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Division of Pennoni

ENGINEERING REPORT

VOLUME 3

Princeton Nurseries

**Block 102, Lots 5 & 6, and Block 106, Lot 1
Plainsboro Township, Middlesex County, New Jersey**

Block 99, Lot 14.04

**South Brunswick Township, Middlesex County,
New Jersey**

A handwritten signature in black ink, appearing to read 'Chad Gaulrapp', is positioned above a horizontal line.

Chad Gaulrapp

New Jersey Professional Engineer License #GE41350

WRNUL23001

June 14, 2024

September 27, 2024

October 30, 2024

January 16, 2025

103 College Road East, Third Floor, Princeton, NJ 08540

(609) 987-2323 • Fax (609) 987-0005

www.vannoteharvey.com

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OUTLET STRUCTURE DATA

Table of Contents			Table of Contents		
BIO1	Outlet Input Data, 100 years (100YR Projected)	1	UGB10	Outlet Input Data, 100 years (100YR Projected)	37
BIO12A	Outlet Input Data, 100 years (100YR Projected)	4	UGB11	Outlet Input Data, 100 years (100YR Projected)	39
BIO25	Outlet Input Data, 100 years (100YR Projected)	6	UGB13	Outlet Input Data, 100 years (100YR Projected)	41
BIO26	Outlet Input Data, 100 years (100YR Projected)	8	UGB14	Outlet Input Data, 100 years (100YR Projected)	43
BIO28	Outlet Input Data, 100 years (100YR Projected)	10	UGB15	Outlet Input Data, 100 years (100YR Projected)	45
BIO29	Outlet Input Data, 100 years (100YR Projected)	12	UGB16	Outlet Input Data, 100 years (100YR Projected)	47
BIO35	Outlet Input Data, 100 years (100YR Projected)	14	UGB17	Outlet Input Data, 100 years (100YR Projected)	49
BIO36	Outlet Input Data, 100 years (100YR Projected)	16	UGB18	Outlet Input Data, 100 years (100YR Projected)	51
BIO45	Outlet Input Data, 100 years (100YR Projected)	18	UGB19	Outlet Input Data, 100 years (100YR Projected)	53
BIO51	Outlet Input Data, 100 years (100YR Projected)	20	UGB2	Outlet Input Data, 100 years (100YR Projected)	55
BIO52	Outlet Input Data, 100 years (100YR Projected)	22	UGB20	Outlet Input Data, 100 years (100YR Projected)	57
BIO53	Outlet Input Data, 100 years (100YR Projected)	24	UGB21	Outlet Input Data, 100 years (100YR Projected)	59
BIO58	Outlet Input Data, 100 years (100YR Projected)	26	UGB22	Outlet Input Data, 100 years (100YR Projected)	61
Ex Basin 6	Outlet Input Data, 100 years (100YR Projected)	28	UGB27	Outlet Input Data, 100 years (100YR Projected)	63
INFIL30	Outlet Input Data, 100 years (100YR Projected)	30	UGB3	Outlet Input Data, 100 years (100YR Projected)	65
Infil8	Outlet Input Data, 100 years (100YR Projected)	32	UGB31	Outlet Input Data, 100 years (100YR Projected)	67
Overflow 12	Outlet Input Data, 100 years (100YR Projected)	35	UGB32	Outlet Input Data, 100 years (100YR Projected)	69

Table of Contents			Table of Contents		
UGB33	Outlet Input Data, 100 years (100YR Projected)	71	UGB57	Outlet Input Data, 100 years (100YR Projected)	105
UGB34	Outlet Input Data, 100 years (100YR Projected)	73	UGB59	Outlet Input Data, 100 years (100YR Projected)	107
UGB37	Outlet Input Data, 100 years (100YR Projected)	75	UGB6	Outlet Input Data, 100 years (100YR Projected)	109
UGB4	Outlet Input Data, 100 years (100YR Projected)	77	UGB60	Outlet Input Data, 100 years (100YR Projected)	111
UGB41	Outlet Input Data, 100 years (100YR Projected)	79	UGB61	Outlet Input Data, 100 years (100YR Projected)	113
UGB42	Outlet Input Data, 100 years (100YR Projected)	81	UGB62	Outlet Input Data, 100 years (100YR Projected)	115
UGB43	Outlet Input Data, 100 years (100YR Projected)	83	UGB63	Outlet Input Data, 100 years (100YR Projected)	117
UGB44	Outlet Input Data, 100 years (100YR Projected)	85	UGB7	Outlet Input Data, 100 years (100YR Projected)	119
UGB46	Outlet Input Data, 100 years (100YR Projected)	87	UGB9	Outlet Input Data, 100 years (100YR Projected)	121
UGB47	Outlet Input Data, 100 years (100YR Projected)	89			
UGB48	Outlet Input Data, 100 years (100YR Projected)	91			
UGB49	Outlet Input Data, 100 years (100YR Projected)	93			
UGB5	Outlet Input Data, 100 years (100YR Projected)	95			
UGB50	Outlet Input Data, 100 years (100YR Projected)	97			
UGB54	Outlet Input Data, 100 years (100YR Projected)	99			
UGB55	Outlet Input Data, 100 years (100YR Projected)	101			
UGB56	Outlet Input Data, 100 years (100YR Projected)	103			

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO1
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	77.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	87.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
User Defined Table	E Grate	Forward	TW	0.00	87.00
Orifice-Circular	O1-1	Forward	TW	77.52	87.00
Rectangular Weir	W1 - 2	Forward	TW	84.05	87.00
Rectangular Weir	W1-3	Forward	TW	84.75	87.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO1
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: O1-1 Structure Type: Orifice-Circular	
Number of Openings	2
Elevation	77.52 ft
Orifice Diameter	7.5 in
Orifice Coefficient	0.600

Structure ID: W1 - 2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	84.05 ft
Weir Length	3.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: E Grate Structure Type: User Defined Table	

Elevation (ft)	Flow (ft³/s)
77.00	0.00
86.00	0.00
86.25	9.75
86.50	13.00
87.00	14.00

Structure ID: W1-3 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	84.75 ft
Weir Length	5.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Downstream Channel
Catalog Conduit	30 inch
Channel Slope	0.010 ft/ft
Channel Invert Elevation	75.00 ft

Convergence Tolerances	
Maximum Iterations	30

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO1
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Convergence Tolerances	
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO12A
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	85.25 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	90.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W12-1	Forward	TW	86.15	90.00
Rectangular Weir	W12 - 2	Forward	TW	87.00	90.00
Rectangular Weir	W12 - 3	Forward	TW	88.00	90.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO12A
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W12-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	86.15 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W12 - 2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	87.00 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W12 - 3	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	88.00 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Downstream Channel
Catalog Conduit	30 inch
Channel Slope	0.010 ft/ft
Channel Invert Elevation	84.95 ft

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10,000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO25
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	100.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	104.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	W25-1	Forward	TW	101.35	104.00
Rectangular Weir	W25-2	Forward	TW	102.00	104.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO25
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W25-2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	102.00 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft ^{0.5} /s)
Structure ID: W25-1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	101.35 ft
Orifice Diameter	3.0 in
Orifice Coefficient	0.600
Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type: Free Outfall	
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO26
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	97.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	100.00 ft

Outlet Connectivity					
Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W26-1	Forward	TW	97.80	100.00
Rectangular Weir	Weir - 2	Forward	TW	98.50	100.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO26
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W26-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	97.80 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: Weir - 2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	98.50 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type: Free Outfall	

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO28
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	91.00 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	95.00 ft

Outlet Connectivity					
Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir Tailwater Settings	W28-1 Tailwater	Forward	TW	91.50 (N/A)	95.00 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO28
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W28-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	91.50 ft
Weir Length	1.25 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Downstream Channel
Catalog Conduit	24 inch
Channel Slope	0.009 ft/ft
Channel Invert Elevation	91.00 ft

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: Bio29
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	93.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	96.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Inlet Box	Riser - 1	Forward	TW	95.90	96.00
Rectangular Weir	W29-1	Forward	TW	94.00	96.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: Bio29
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W29-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	94.00 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: Riser - 1	
Structure Type: Inlet Box	
Number of Openings	1
Elevation	95.90 ft
Orifice Area	1.5 ft²
Orifice Coefficient	0.600
Weir Length	5.28 ft
Weir Coefficient	3.00 (ft~0.5)/s
K Reverse	1.000
Manning's n	0.000
Key, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO35
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	103.40 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	108.00 ft

Outlet Connectivity					
Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	O35-1	Forward	TW	103.90	108.00
Rectangular Weir	W35-2	Forward	TW	105.75	108.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO35
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: O35-1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	103.90 ft
Orifice Diameter	4.0 in
Orifice Coefficient	0.600

Structure ID: W35-2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	105.75 ft
Weir Length	3.25 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Downstream Channel
Catalog Conduit	24 inch
Channel Slope	0.005 ft/ft
Channel Invert Elevation	103.40 ft

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO36
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	98.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	102.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W36-1	Forward	TW	98.75 (N/A)	102.00 (N/A)
Tailwater Settings	Tailwater				

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO36
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W36-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	98.75 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: BIO45
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	96.50 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	101.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W45-1	Forward	TW	97.08	101.50
Rectangular Weir	W45-2	Forward	TW	98.75	101.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: BIO45 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W45-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	97.08 ft
Weir Length	0.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W45-2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	98.75 ft
Weir Length	6.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: BIO51 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	102.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	106.50 ft

Outlet Connectivity					
Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W51-1	Forward	TW	103.00	106.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: B1051
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W51-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	103.00 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: B1052
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	100.10 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	105.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir Tailwater Settings	W52-1 Tailwater	Forward	TW	100.62 (N/A)	105.00 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: B1052
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W52-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	100.62 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft ³ ~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data
Label: B1053
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	104.50 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	109.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir Tailwater Settings	W53-1 Tailwater	Forward	TW	105.45 (N/A)	109.00 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: B1053 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W53-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	105.45 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s
Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: B1058 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	106.40 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	111.00 ft

Outlet Connectivity					
Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W58-1	Forward	TW	107.15	111.00
Rectangular Weir	W58 - 2	Forward	TW	108.75	111.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: B1058
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W58-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	107.15 ft
Weir Length	0.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W58 - 2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	108.75 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: Ex Basin 6
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	89.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	95.00 ft

Outlet Connectivity				
Structure Type	Outlet ID	Direction	Outfall	E1 (ft)
Orifice-Circular	O EX6-1	Forward	TW	90.00
Rectangular Weir	W EX6-2	Forward	TW	91.35
Tailwater Settings	Tailwater			(N/A)
				95.00
				(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: Ex Basin 6
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: O EX6-1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	90.00 ft
Orifice Diameter	3.0 in
Orifice Coefficient	0.500

Structure ID: W EX6-2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	91.35 ft
Weir Length	2.50 ft
Weir Coefficient	3.20 (ft ^{0.5})/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	

Tailwater Type	Downstream Channel
Catalog Conduit	18 inch
Channel Slope	1.600 ft/ft
Channel Invert Elevation	84.20 ft

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data
Label: INFIL30
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	91.40 ft
Increment (Headwater)	0.01 ft
Maximum (Headwater)	96.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	Orifice - 1	Forward	TW	91.45	96.50
Rectangular Weir	W30-1	Forward	TW	92.17	96.50
Rectangular Weir	Weir - 2	Forward	TW	93.52	96.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: INFIL30
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W30-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	92.17 ft
Weir Length	2.25 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: Weir - 2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	93.52 ft
Weir Length	4.33 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: Orifice - 1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	91.45 ft
Orifice Diameter	2.5 in
Orifice Coefficient	0.600

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Downstream Channel
Catalog Conduit	24 inch
Channel Slope	0.009 ft/ft
Channel Invert Elevation	91.00 ft

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10,000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: Infil8
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	109.50 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	112.00 ft

Outlet Connectivity					
Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W8 - 2	Forward	TW	110.75	112.00
Inlet Box	Riser - 1	Forward	TW	111.48	112.00
Orifice-Circular	O8-1	Forward	TW	109.50	112.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: Infil8
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: OB-1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	109.50 ft
Orifice Diameter	10.0 in
Orifice Coefficient	0.600

Structure ID: Riser - 1	
Structure Type: Inlet Box	
Number of Openings	1
Elevation	111.48 ft
Orifice Area	2.9 ft ²
Orifice Coefficient	0.600
Weir Length	6.96 ft
Weir Coefficient	3.00 (ft ^{0.5})/s
K Reverse	1.000
Manning's n	0.000
Key, Charged Riser	0.000
Weir Submergence	False
Orifice H to crest	True

Structure ID: W8 - 2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	110.75 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft ^{0.5})/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s

PROJECTED POST Developed Park
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9/23/2024

Bentley Systems, Inc. Haestad Methods Solution Center
27 Siemon Corporate Drive Suite 200 W
Watertown, CT 06795 USA +1-203-755-1666

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Page 33 of 122

Outlet Structure Data

Subsection: Outlet Input Data
Label: Infil8
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Convergence Tolerances	
Flow Tolerance (Maximum)	10.000 ft ³ /s

PROJECTED POST Developed Park
Subarea.ppc
9/23/2024

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27 Siemon Corporate Drive Suite 200 W
Watertown, CT 06795 USA +1-203-755-1666

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Page 34 of 122

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: Overflow 12 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	88.75 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	90.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
User Defined Table	E Grate	Forward	TW	0.00	90.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: Overflow 12 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: E Grate Structure Type: User Defined Table		
Elevation (ft)	Flow (ft³/s)	
88.75		0.00
89.00		9.30
89.08		13.00
89.25		14.00
90.00		14.50

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	
Free Outfall	
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB10 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	106.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	109.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W10-1	Forward	TW	107.00	109.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB10 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W10-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	107.00 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB11 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	84.08 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	86.41 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W11-1	Forward	TW	84.98	86.91
Rectangular Weir	W11-2	Forward	TW	85.25	86.91
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB11 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W11-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	84.98 ft
Weir Length	2.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W11-2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	85.25 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB13 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	86.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	88.33 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W13-1	Forward	TW	87.00 (N/A)	89.50 (N/A)
Tailwater Settings	Tailwater				

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB13 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W13-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	87.00 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB14 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	86.25 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	89.75 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	O14-1	Forward	TW	87.23	89.75
Rectangular Weir	W14-2	Forward	TW	88.40	89.75
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB14 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O14-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	87.23 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

Structure ID: W14-2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	88.40 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB15 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	92.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	95.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W15-1	Forward	TW	92.63 (N/A)	95.50 (N/A)
Tailwater Settings	Tailwater				

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB15 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W15-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	92.63 ft
Weir Length	1.75 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB16 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	94.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	97.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W16-1	Forward	TW	94.63 (N/A)	97.72 (N/A)
Tailwater Settings					

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB16 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W16-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	94.63 ft
Weir Length	0.75 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB17 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	110.50 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	114.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W17-1	Forward	TW	111.50	114.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB17 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W17-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	111.50 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB18 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	94.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	97.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W18-1	Forward	TW	95.00	97.50
Rectangular Weir	W18- 2	Forward	TW	96.50	97.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB18 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W18-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	95.00 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W18- 2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	96.50 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	
Free Outfall	

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB19
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	94.50 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	96.83 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	O19-1	Forward	TW	95.03	98.00
Rectangular Weir	W19-2	Forward	TW	95.50	98.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB19
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: O19-1 Structure Type: Orifice-Circular	
Number of Openings	3
Elevation	95.03 ft
Orifice Diameter	3.5 in
Orifice Coefficient	0.600

Structure ID: W19-2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	95.50 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB2 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	85.25 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	87.58 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W2-1	Forward	TW	86.25	87.58
Rectangular Weir	W2-2	Forward	TW	87.00	87.58
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB2 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W2-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	86.25 ft
Weir Length	1.75 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W2-2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	87.00 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type: Free Outfall	

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB20 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	97.10 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	99.43 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	O20-1	Forward	TW	97.72	100.60
Rectangular Weir	W20 - 2	Forward	TW	98.80	100.60
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB20 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O20-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	97.72 ft
Orifice Diameter	10.0 in
Orifice Coefficient	0.600

Structure ID: W20 - 2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	98.80 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB21
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	98.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	101.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir Tailwater Settings	W21-1	Forward	TW	98.50	101.50
	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB21
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W21-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	98.50 ft
Weir Length	0.75 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB22 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	107.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	110.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W22-2	Forward	TW	108.00	110.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB22 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W22-2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	108.00 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB27
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	99.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	102.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	Orifice - 1 Tailwater	Forward	TW	99.75 (N/A)	102.50 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB27
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: Orifice - 1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	99.75 ft
Orifice Diameter	12.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB3 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	85.50 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	90.30 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W3- 1	Forward			
Tailwater Settings	Tailwater			85.50 (N/A)	89.50 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB3 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W3- 1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	85.50 ft
Weir Length	0.85 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Downstream Channel
Catalog Conduit	24 inch
Channel Slope	0.010 ft/ft
Channel Invert Elevation	85.50 ft

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB31 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	92.60 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	96.10 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	O31-1 Tailwater	Forward	TW	93.10 (N/A)	96.10 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB31 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O31-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	93.10 ft
Orifice Diameter	10.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB32 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	109.75 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	113.25 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W32-1	Forward	TW	110.50	113.25
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB32 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W32-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	110.50 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB33 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	105.82 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	109.32 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W33-1	Forward	TW	106.40	109.32
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB33 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W33-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	106.40 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB34 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	109.50 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	111.83 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	O34-1 Tailwater	Forward	TW	110.00 (N/A)	111.83 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB34 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O34-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	110.00 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB37 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	103.50 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	107.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W37-1	Forward	TW	104.50	107.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB37 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W37-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	104.50 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB4 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	85.10 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	88.60 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W4-1	Forward	TW	86.10	88.60
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB4 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W4-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	86.10 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB41 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	104.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	106.33 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	O41-1 Tailwater	Forward	TW	104.79 (N/A)	106.33 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB41 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O41-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	104.79 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB42 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	95.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	98.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W42-1	Forward	TW	96.00	98.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB42 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W42-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	96.00 ft
Weir Length	0.75 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data

Label: UGB43

Scenario: 100YR Projected

Return Event: 100 years

Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	98.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	101.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W43-1	Forward	TW	99.00	101.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data

Label: UGB43

Scenario: 100YR Projected

Return Event: 100 years

Storm Event: 100yr Projected NOAA D

Structure ID: W43-1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	99.00 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	

Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB44 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	101.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	104.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W44-1	Forward	TW	102.00	104.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB44 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W44-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	102.00 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB46 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	103.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	106.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	O46-1 Tailwater	Forward	TW	103.50 (N/A)	106.50 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB46 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O46-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	103.50 ft
Orifice Diameter	10.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB47 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	108.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	111.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	O47-1 Tailwater	Forward	TW	108.50 (N/A)	111.50 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB47 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O47-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	108.50 ft
Orifice Diameter	10.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB48 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	100.90 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	104.40 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	O48-1	Forward	TW	101.50 (N/A)	104.40 (N/A)
Tailwater Settings	Tailwater				

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB48 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O48-1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	101.50 ft
Orifice Diameter	15.0 in
Orifice Coefficient	0.600

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB49 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	102.70 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	106.20 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	O49-1	Forward	TW	103.33 (N/A)	106.20 (N/A)
Tailwater Settings	Tailwater				

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB49 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O49-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	103.33 ft
Orifice Diameter	15.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB5 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	94.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	97.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	OS-1	Forward	TW	95.00	97.50
Rectangular Weir	W5-2	Forward	TW	96.90	97.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB5 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: OS-1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	95.00 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

Structure ID: W5-2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	96.90 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type: Free Outfall	

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB50 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	101.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	104.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	O50-1 Tailwater	Forward	TW	102.00 (N/A)	104.50 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB50 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O50-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	102.00 ft
Orifice Diameter	10.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB54 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	99.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	101.33 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	OS4-1 Tailwater	Forward	TW	99.50 (N/A)	101.33 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB54 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: OS4-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	99.50 ft
Orifice Diameter	12.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB55
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	106.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	109.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W55-1	Forward	TW	106.79	109.50
Rectangular Weir	W55-2	Forward	TW	107.50	109.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB55
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W55-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	106.79 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W55-2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	107.50 ft
Weir Length	2.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB56
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	110.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	113.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W56-1	Forward	TW	111.00	113.50
Rectangular Weir	W56 - 2	Forward	TW	112.50	113.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB56
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W56-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	111.00 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W56 - 2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	112.50 ft
Weir Length	2.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB57
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	111.10 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	114.60 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W57-1	Forward	TW	112.50	114.60
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB57
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W57-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	112.50 ft
Weir Length	0.75 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB59 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	104.00 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	107.62 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W59-1	Forward	TW	105.00	107.62
Rectangular Weir	W59 - 2	Forward	TW	105.50	107.62
Rectangular Weir	W59 - 3	Forward	TW	106.50	107.62
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB59 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W59-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	105.00 ft
Weir Length	1.25 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W59 - 2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	105.50 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W59 - 3 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	106.50 ft
Weir Length	3.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB6
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	94.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	97.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W6-1	Forward	TW	95.00	97.50
Rectangular Weir	Weir - 2	Forward	TW	97.45	97.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB6
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: W6-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	95.00 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: Weir - 2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	97.45 ft
Weir Length	4.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB60 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	111.10 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	114.60 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W60-1	Forward	TW	112.10	114.60
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB60 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W60-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	112.10 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB61 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	107.75 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	111.25 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	O61-1 Tailwater	Forward	TW	108.25 (N/A)	111.25 (N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB61 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: O61-1 Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	108.25 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB62
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Requested Pond Water Surface Elevations	
Minimum (Headwater)	108.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	111.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	O62 - 1	Forward	TW	108.50	111.50
Rectangular Weir	W62-2	Forward	TW	110.00	111.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data
Label: UGB62
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Structure ID: O62 - 1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	108.50 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

Structure ID: W62-2	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	110.00 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type: Free Outfall	

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB63 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	104.00 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	107.50 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W63-1	Forward	TW	105.00	107.50
Rectangular Weir	W63 - 2	Forward	TW	106.00	107.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB63 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W63-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	105.00 ft
Weir Length	0.83 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: W63 - 2 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	106.00 ft
Weir Length	1.75 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB7 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	100.50 ft
Increment (Headwater)	0.10 ft
Maximum (Headwater)	104.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	Orifice - 1	Forward	TW	101.50	102.50
Rectangular Weir	Weir - 1	Forward	TW	101.82	102.50
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB7 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: Orifice - 1	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	101.50 ft
Orifice Diameter	8.0 in
Orifice Coefficient	0.600

Structure ID: Weir - 1	
Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	101.82 ft
Weir Length	1.00 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type: Free Outfall	

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB9 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Requested Pond Water Surface Elevations	
Minimum (Headwater)	100.30 ft
Increment (Headwater)	0.25 ft
Maximum (Headwater)	103.80 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Rectangular Weir	W9-1	Forward	TW	101.30	103.80
Tailwater Settings	Tailwater			(N/A)	(N/A)

Outlet Structure Data

Subsection: Outlet Input Data Return Event: 100 years
Label: UGB9 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Structure ID: W9-1 Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	101.30 ft
Weir Length	1.50 ft
Weir Coefficient	3.00 (ft~0.5)/s

Structure ID: TW Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall

Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft³/s
Flow Tolerance (Maximum)	10.000 ft³/s

BASIN ROUTINGS
CURRENT RAINFALL

Bio36 (IN)	Table of Contents		Table of Contents	
	Level Pool Pond Routing Summary, 2 years (2YR)	84	Level Pool Pond Routing Summary, 2 years (2YR)	110
	Level Pool Pond Routing Summary, 10 years (10YR)	85	Level Pool Pond Routing Summary, 10 years (10YR)	111
	Level Pool Pond Routing Summary, 100 years (100YR)	86	Level Pool Pond Routing Summary, 100 years (100YR)	112
	Pond Inflow Summary, 2 years (2YR)	87	Pond Inflow Summary, 2 years (2YR)	113
	Pond Inflow Summary, 10 years (10YR)	88	Pond Inflow Summary, 10 years (10YR)	114
	Pond Inflow Summary, 100 years (100YR)	89	Pond Inflow Summary, 100 years (100YR)	115
Bio45			Bio58	
	Interconnected Pond Routing Summary, 2 years (2YR)	90	Interconnected Pond Routing Summary, 2 years (2YR)	116
	Interconnected Pond Routing Summary, 10 years (10YR)	91	Interconnected Pond Routing Summary, 10 years (10YR)	117
	Interconnected Pond Routing Summary, 100 years (100YR)	92	Interconnected Pond Routing Summary, 100 years (100YR)	118
Bio51			EX. BASIN 6	
	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	93	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	119
Bio51 (IN)			EX. BASIN 6 (IN)	
	Pond Infiltration Calculations, 2 years (2YR)	94	Level Pool Pond Routing Summary, 2 years (2YR)	120
	Level Pool Pond Routing Summary, 2 years (2YR)	95	Level Pool Pond Routing Summary, 10 years (10YR)	121
	Level Pool Pond Routing Summary, 10 years (10YR)	96	Level Pool Pond Routing Summary, 100 years (100YR)	122
	Level Pool Pond Routing Summary, 100 years (100YR)	97	Pond Inflow Summary, 2 years (2YR)	123
	Pond Inflow Summary, 2 years (2YR)	98	Pond Inflow Summary, 10 years (10YR)	124
	Pond Inflow Summary, 10 years (10YR)	99	Pond Inflow Summary, 100 years (100YR)	125
	Pond Inflow Summary, 100 years (100YR)	100		
Bio52			Infil30 (IN)	
	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	101	Pond Infiltration Calculations, 2 years (2YR)	126
Bio52 (IN)			Infil30	
	Pond Infiltration Calculations, 2 years (2YR)	102	Interconnected Pond Routing Summary, 2 years (2YR)	139
	Level Pool Pond Routing Summary, 2 years (2YR)	103	Interconnected Pond Routing Summary, 10 years (10YR)	140
	Level Pool Pond Routing Summary, 10 years (10YR)	104	Interconnected Pond Routing Summary, 100 years (100YR)	141
	Level Pool Pond Routing Summary, 100 years (100YR)	105		
	Pond Inflow Summary, 2 years (2YR)	106	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	142
	Pond Inflow Summary, 10 years (10YR)	107		
	Pond Inflow Summary, 100 years (100YR)	108	Pond Infiltration Calculations, 2 years (2YR)	144
Bio53			Level Pool Pond Routing Summary, 2 years (2YR)	145
	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	109	Level Pool Pond Routing Summary, 10 years (10YR)	146
Bio53 (IN)			Level Pool Pond Routing Summary, 100 years (100YR)	147
			Pond Inflow Summary, 2 years (2YR)	148
			Pond Inflow Summary, 10 years (10YR)	149

	Table of Contents		Table of Contents	
	UGB37	Pond Inflow Summary, 2 years (2YR) Pond Inflow Summary, 10 years (10YR) Pond Inflow Summary, 100 years (100YR)	255 256 257	281 282 283
	UGB37 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	258	284
		Level Pool Pond Routing Summary, 2 years (2YR) Level Pool Pond Routing Summary, 10 years (10YR) Level Pool Pond Routing Summary, 100 years (100YR) Pond Inflow Summary, 2 years (2YR) Pond Inflow Summary, 10 years (10YR) Pond Inflow Summary, 100 years (100YR)	259 260 261 262 263 264	285 286
	UGB4	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	265	287
	UGB4 (IN)	Pond Infiltration Calculations, 2 years (2YR) Level Pool Pond Routing Summary, 2 years (2YR) Level Pool Pond Routing Summary, 10 years (10YR) Level Pool Pond Routing Summary, 100 years (100YR) Pond Inflow Summary, 2 years (2YR) Pond Inflow Summary, 10 years (10YR) Pond Inflow Summary, 100 years (100YR)	266 267 268 269 270 271 272	288 289 290 291 292 293 294
		Elevation-Volume-Flow Table (Pond), 100 years (100YR)	273	295
	UGB41	Pond Infiltration Calculations, 2 years (2YR) Level Pool Pond Routing Summary, 2 years (2YR) Level Pool Pond Routing Summary, 10 years (10YR) Level Pool Pond Routing Summary, 100 years (100YR) Pond Inflow Summary, 2 years (2YR) Pond Inflow Summary, 10 years (10YR) Pond Inflow Summary, 100 years (100YR)	274 275 276 277 278 279	296 297 298 299 300 301 302
	UGB41 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	273	303
		Level Pool Pond Routing Summary, 2 years (2YR) Level Pool Pond Routing Summary, 10 years (10YR) Level Pool Pond Routing Summary, 100 years (100YR) Pond Inflow Summary, 2 years (2YR) Pond Inflow Summary, 10 years (10YR) Pond Inflow Summary, 100 years (100YR)	274 275 276 277 278 279	304 305 306 307 308
	UGB42	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	280	
	UGB42 (IN)			

Table of Contents		Table of Contents			
UGB47	Pond Inflow Summary, 100 years (100YR)	309	UGB50	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	335
UGB47 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	310	UGB50 (IN)	Level Pool Pond Routing Summary, 2 years (2YR)	336
	Level Pool Pond Routing Summary, 2 years (2YR)	311		Level Pool Pond Routing Summary, 10 years (10YR)	337
	Level Pool Pond Routing Summary, 10 years (10YR)	312		Level Pool Pond Routing Summary, 100 years (100YR)	338
	Level Pool Pond Routing Summary, 100 years (100YR)	313		Pond Inflow Summary, 2 years (2YR)	339
	Pond Inflow Summary, 2 years (2YR)	314		Pond Inflow Summary, 10 years (10YR)	340
	Pond Inflow Summary, 10 years (10YR)	315		Pond Inflow Summary, 100 years (100YR)	341
	Pond Inflow Summary, 100 years (100YR)	316	UGB54	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	342
UGB48	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	317	UGB54 (IN)	Level Pool Pond Routing Summary, 2 years (2YR)	343
UGB48 (IN)	Level Pool Pond Routing Summary, 2 years (2YR)	318		Level Pool Pond Routing Summary, 10 years (10YR)	344
	Level Pool Pond Routing Summary, 10 years (10YR)	319		Level Pool Pond Routing Summary, 100 years (100YR)	345
	Level Pool Pond Routing Summary, 100 years (100YR)	320		Pond Inflow Summary, 2 years (2YR)	346
	Pond Inflow Summary, 2 years (2YR)	321		Pond Inflow Summary, 10 years (10YR)	347
	Pond Inflow Summary, 10 years (10YR)	322		Pond Inflow Summary, 100 years (100YR)	348
	Pond Inflow Summary, 100 years (100YR)	323	UGB55	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	349
UGB49	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	324	UGB55 (IN)	Level Pool Pond Routing Summary, 2 years (2YR)	350
UGB49 (IN)	Level Pool Pond Routing Summary, 2 years (2YR)	325		Level Pool Pond Routing Summary, 10 years (10YR)	351
	Level Pool Pond Routing Summary, 10 years (10YR)	326		Level Pool Pond Routing Summary, 100 years (100YR)	352
	Level Pool Pond Routing Summary, 100 years (100YR)	327		Pond Inflow Summary, 2 years (2YR)	353
	Pond Inflow Summary, 2 years (2YR)	328		Pond Inflow Summary, 10 years (10YR)	354
	Pond Inflow Summary, 10 years (10YR)	329		Pond Inflow Summary, 100 years (100YR)	355
	Pond Inflow Summary, 100 years (100YR)	330	UGB56	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	356
UGB5 (IN)	Pond Infiltration Calculations, 2 years (2YR)	331	UGB56 (IN)	Level Pool Pond Routing Summary, 2 years (2YR)	357
UGB5	Interconnected Pond Routing Summary, 2 years (2YR)	332		Level Pool Pond Routing Summary, 10 years (10YR)	358
	Interconnected Pond Routing Summary, 10 years (10YR)	333		Level Pool Pond Routing Summary, 100 years (100YR)	359
	Interconnected Pond Routing Summary, 100 years (100YR)	334		Pond Inflow Summary, 2 years (2YR)	360

Table of Contents		Table of Contents		
UGB57	Pond Inflow Summary, 10 years (10YR)	361	Level Pool Pond Routing Summary, 10 years (10YR)	386
	Pond Inflow Summary, 100 years (100YR)	362	Level Pool Pond Routing Summary, 100 years (100YR)	387
	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	363	Pond Inflow Summary, 2 years (2YR)	388
	Level Pool Pond Routing Summary, 2 years (2YR)	364	Pond Inflow Summary, 10 years (10YR)	389
	Level Pool Pond Routing Summary, 10 years (10YR)	365	Pond Inflow Summary, 100 years (100YR)	390
UGB57 (IN)	Level Pool Pond Routing Summary, 100 years (100YR)	366	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	391
	Pond Inflow Summary, 2 years (2YR)	367	Level Pool Pond Routing Summary, 2 years (2YR)	392
	Pond Inflow Summary, 10 years (10YR)	368	Level Pool Pond Routing Summary, 10 years (10YR)	393
	Pond Inflow Summary, 100 years (100YR)	369	Level Pool Pond Routing Summary, 100 years (100YR)	394
	Interconnected Pond Routing Summary, 2 years (2YR)	370	Pond Inflow Summary, 2 years (2YR)	395
UGB59	Interconnected Pond Routing Summary, 10 years (10YR)	371	Pond Inflow Summary, 10 years (10YR)	396
	Interconnected Pond Routing Summary, 100 years (100YR)	372	Pond Inflow Summary, 100 years (100YR)	397
	Pond Infiltration Calculations, 2 years (2YR)	373	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	398
	Interconnected Pond Routing Summary, 2 years (2YR)	374	Level Pool Pond Routing Summary, 2 years (2YR)	399
	Interconnected Pond Routing Summary, 10 years (10YR)	375	Level Pool Pond Routing Summary, 10 years (10YR)	400
UGB60	Interconnected Pond Routing Summary, 100 years (100YR)	376	Level Pool Pond Routing Summary, 100 years (100YR)	401
	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	377	Pond Inflow Summary, 2 years (2YR)	402
	Level Pool Pond Routing Summary, 2 years (2YR)	378	Pond Inflow Summary, 10 years (10YR)	403
	Level Pool Pond Routing Summary, 10 years (10YR)	379	Pond Inflow Summary, 100 years (100YR)	404
	Level Pool Pond Routing Summary, 100 years (100YR)	380	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	405
UGB61	Pond Inflow Summary, 2 years (2YR)	381	Pond Infiltration Calculations, 2 years (2YR)	407
	Pond Inflow Summary, 10 years (10YR)	382	Level Pool Pond Routing Summary, 2 years (2YR)	408
	Pond Inflow Summary, 100 years (100YR)	383	Level Pool Pond Routing Summary, 10 years (10YR)	409
	Elevation-Volume-Flow Table (Pond), 100 years (100YR)	384	Level Pool Pond Routing Summary, 100 years (100YR)	410
	Level Pool Pond Routing Summary, 2 years (2YR)	385	Pond Inflow Summary, 2 years (2YR)	411
UGB61 (IN)	Level Pool Pond Routing Summary, 2 years (2YR)	385	Pond Inflow Summary, 10 years (10YR)	412
			Pond Inflow Summary, 100 years (100YR)	413

Table of Contents

Elevation-Volume-Flow Table (Pond), 100 years (100YR)	414
Level Pool Pond Routing Summary, 2 years (2YR)	415
Level Pool Pond Routing Summary, 10 years (10YR)	416
Level Pool Pond Routing Summary, 100 years (100YR)	417
Pond Inflow Summary, 2 years (2YR)	418
Pond Inflow Summary, 10 years (10YR)	419
Pond Inflow Summary, 100 years (100YR)	420

UGB9 (IN)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)
PDA-6 Imp (Plainsboro)	2YR	2	146,683,000	12.100	30.42
PDA-6 Imp (Plainsboro)	10YR	10	229,876,000	12.100	46.84
PDA-6 Imp (Plainsboro)	100YR	100	401,110,000	12.100	80.45
PDA-6 PER (Plainsboro)	2YR	2	3,551,000	12.100	0.72
PDA-6 PER (Plainsboro)	10YR	10	8,870,000	12.100	2.05
PDA-6 PER (Plainsboro)	100YR	100	22,618,000	12.100	5.40
Future Imp Road-Basin 6 (S Brunswick)	2YR	2	3,449,000	12.000	1.06
Future Imp Road-Basin 6 (S Brunswick)	10YR	10	5,405,000	12.000	1.63
Future Imp Road-Basin 6 (S Brunswick)	100YR	100	9,431,000	12.000	2.80
Ex DA-6 Perv (S Brunswick)	2YR	2	5,475,000	12.100	0.82
Ex DA-6 Perv (S Brunswick)	10YR	10	16,916,000	12.100	3.92
Ex DA-6 Perv (S Brunswick)	100YR	100	49,931,000	12.050	12.82
DA28 Perv	2YR	2	1,554,000	12.150	0.26
DA28 Perv	10YR	10	4,383,000	12.100	0.95
DA28 Perv	100YR	100	12,186,000	12.100	2.85
DA28 Imp	2YR	2	9,982,000	12.000	3.15
DA28 Imp	10YR	10	15,834,000	12.000	4.87
DA28 Imp	100YR	100	27,900,000	12.000	8.39
DA30 Imp	2YR	2	14,763,000	12.000	4.76
DA30 Imp	10YR	10	23,705,000	12.000	7.42
DA30 Imp	100YR	100	42,178,000	12.000	12.83
DA30 Perv	2YR	2	4,933,000	12.050	1.34
DA30 Perv	10YR	10	12,068,000	12.050	3.56
DA30 Perv	100YR	100	30,291,000	12.050	8.97
DA45 Imp	2YR	2	19,359,000	12.000	5.93
DA45 Imp	10YR	10	31,087,000	12.000	9.27
DA45 Imp	100YR	100	55,315,000	12.000	16.05
DA45 Perv	2YR	2	1,324,000	12.050	0.31
DA45 Perv	10YR	10	3,734,000	12.000	1.10
DA45 Perv	100YR	100	10,381,000	12.000	3.26
DA57 Imp	2YR	2	9,320,000	12.000	2.95
DA57 Imp	10YR	10	14,783,000	12.000	4.56
DA57 Imp	100YR	100	26,045,000	12.000	7.84

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA56 Imp	2YR	2	23,071,000	12,000	7.27
DA56 Imp	10YR	10	36,596,000	12,000	11.25
DA56 Imp	100YR	100	64,479,000	12,000	19.37
DA62 Perv	2YR	2	231,000	12,000	0.07
DA62 Perv	10YR	10	651,000	12,000	0.24
DA62 Perv	100YR	100	1,808,000	12,000	0.67
DA62 Imp	2YR	2	16,096,000	12,000	4.96
DA62 Imp	10YR	10	25,224,000	12,000	7.62
DA62 Imp	100YR	100	44,012,000	12,000	13.08
DA63 Imp	2YR	2	11,497,000	12,000	3.54
DA63 Imp	10YR	10	18,017,000	12,000	5.45
DA63 Imp	100YR	100	31,438,000	12,000	9.35
DA1 Perv Basin	2YR	2	778,000	12,000	0.24
DA1 Perv Basin	10YR	10	1,905,000	12,000	0.64
DA1 Perv Basin	100YR	100	4,781,000	12,000	1.62
EDA3 Perv	2YR	2	8,037,000	12,050	1.96
EDA3 Perv	10YR	10	22,072,000	12,000	6.68
EDA3 Perv	100YR	100	60,242,000	12,000	19.26
DA12A Imp	2YR	2	4,138,000	12,000	1.22
DA12A Imp	10YR	10	6,485,000	12,000	1.88
DA12A Imp	100YR	100	11,316,000	12,000	3.23
DA12A Perv	2YR	2	4,671,000	12,150	0.76
DA12A Perv	10YR	10	12,826,000	12,150	2.65
DA12A Perv	100YR	100	35,005,000	12,150	7.62
DA35 Imp	2YR	2	2,299,000	12,000	0.70
DA35 Imp	10YR	10	3,603,000	12,000	1.08
DA35 Imp	100YR	100	6,287,000	12,000	1.86
DA35 Perv	2YR	2	1,496,000	12,000	0.36
DA35 Perv	10YR	10	4,221,000	12,000	1.32
DA35 Perv	100YR	100	11,735,000	12,000	3.88
DA59 Imp	2YR	2	11,725,000	12,000	3.56
DA59 Imp	10YR	10	18,375,000	12,000	5.47
DA59 Imp	100YR	100	32,063,000	12,000	9.40
DA59 Perv	2YR	2	7,054,000	12,150	1.44
DA59 Perv	10YR	10	15,718,000	12,150	3.36
DA59 Perv	100YR	100	36,689,000	12,150	7.85
DA58 Imp	2YR	2	17,411,000	12,000	5.45
DA58 Imp	10YR	10	27,620,000	12,000	8.44
DA58 Imp	100YR	100	48,667,000	12,000	14.54
DA58 Perv	2YR	2	5,099,000	12,100	1.20
DA58 Perv	10YR	10	11,991,000	12,050	3.04
DA58 Perv	100YR	100	29,204,000	12,050	7.54
DA51 Perv	2YR	2	2,088,000	12,050	0.47

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA51 Perv	10YR	10	5,732,000	12,050	1.60
DA51 Perv	100YR	100	15,645,000	12,050	4.57
DA51 Imp	2YR	2	7,012,000	12,000	2.12
DA51 Imp	10YR	10	10,989,000	12,000	3.27
DA51 Imp	100YR	100	19,174,000	12,000	5.61
DA56 Perv	2YR	2	537,000	12,000	0.15
DA56 Perv	10YR	10	1,514,000	12,000	0.51
DA56 Perv	100YR	100	4,211,000	12,000	1.48
DA57 Perv	2YR	2	155,000	12,000	0.05
DA57 Perv	10YR	10	436,000	12,000	0.16
DA57 Perv	100YR	100	1,209,000	12,000	0.45
DA26 Imp	2YR	2	18,278,000	12,000	5.37
DA26 Imp	10YR	10	28,644,000	12,000	8.26
DA26 Imp	100YR	100	49,981,000	12,000	14.18
DA26 Perv	2YR	2	211,000	12,000	0.05
DA26 Perv	10YR	10	595,000	12,000	0.19
DA26 Perv	100YR	100	1,655,000	12,000	0.56
DA60 Imp	2YR	2	14,646,000	12,000	4.63
DA60 Imp	10YR	10	23,230,000	12,000	7.16
DA60 Imp	100YR	100	40,928,000	12,000	12.32
DA60 Perv	2YR	2	446,000	12,000	0.14
DA60 Perv	10YR	10	1,253,000	12,000	0.47
DA60 Perv	100YR	100	3,474,000	12,000	1.30
DA47 Imp	2YR	2	5,877,000	12,000	1.81
DA47 Imp	10YR	10	9,323,000	12,000	2.81
DA47 Imp	100YR	100	16,428,000	12,000	4.84
DA47- Perv	2YR	2	576,000	12,150	0.09
DA47- Perv	10YR	10	1,624,000	12,100	0.35
DA47- Perv	100YR	100	4,514,000	12,100	1.06
DA46 Imp	2YR	2	3,438,000	12,000	1.08
DA46 Imp	10YR	10	5,454,000	12,000	1.68
DA46 Imp	100YR	100	9,610,000	12,000	2.89
DA46 Perv	2YR	2	249,000	12,050	0.06
DA46 Perv	10YR	10	703,000	12,050	0.20
DA46 Perv	100YR	100	1,956,000	12,000	0.60
DA50 Perv	2YR	2	230,000	12,050	0.05
DA50 Perv	10YR	10	649,000	12,050	0.18
DA50 Perv	100YR	100	1,806,000	12,050	0.53
DA50 Imp	2YR	2	3,993,000	12,000	1.26
DA50 Imp	10YR	10	6,333,000	12,000	1.94
DA50 Imp	100YR	100	11,159,000	12,000	3.35
DA15 Imp	2YR	2	9,657,000	12,000	2.97
DA15 Imp	10YR	10	15,134,000	12,000	4.57

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA15 Imp	100YR	100	26,407,000	12,000	7.84
DA15 Perv	2YR	2	1,574,000	12,000	0.48
DA15 Perv	10YR	10	4,439,000	12,000	1.60
DA15 Perv	100YR	100	12,339,000	12,000	4.54
DA16 Perv	2YR	2	1,669,000	12,050	0.38
DA16 Perv	10YR	10	4,708,000	12,050	1.34
DA16 Perv	100YR	100	13,089,000	12,050	3.87
DA16 Imp	2YR	2	16,412,000	12,000	5.16
DA16 Imp	10YR	10	26,036,000	12,000	7.98
DA16 Imp	100YR	100	45,875,000	12,000	13.74
DA55 Imp	2YR	2	24,034,000	12,000	7.41
DA55 Imp	10YR	10	37,662,000	12,000	11.39
DA55 Imp	100YR	100	65,713,000	12,000	19.55
DA55 Perv	2YR	2	1,182,000	12,050	0.32
DA55 Perv	10YR	10	2,893,000	12,000	0.88
DA55 Perv	100YR	100	7,261,000	12,000	2.27
DA25 Imp	2YR	2	20,644,000	12,000	5.96
DA25 Imp	10YR	10	33,150,000	12,000	9.32
DA25 Imp	100YR	100	58,986,000	12,000	16.15
DA25 Perv	2YR	2	2,839,000	12,050	0.67
DA25 Perv	10YR	10	8,009,000	12,000	2.36
DA25 Perv	100YR	100	22,266,000	12,000	7.01
DA32 Imp	2YR	2	25,289,000	12,000	7.97
DA32 Imp	10YR	10	40,114,000	12,000	12.33
DA32 Imp	100YR	100	70,679,000	12,000	21.23
DA32 Perv	2YR	2	423,000	12,000	0.13
DA32 Perv	10YR	10	1,193,000	12,000	0.44
DA32 Perv	100YR	100	3,314,000	12,000	1.23
DA34 Perv	2YR	2	250,000	12,000	0.08
DA34 Perv	10YR	10	704,000	12,000	0.25
DA34 Perv	100YR	100	1,956,000	12,000	0.72
DA34 Imp	2YR	2	3,882,000	12,000	1.22
DA34 Imp	10YR	10	6,158,000	12,000	1.89
DA34 Imp	100YR	100	10,850,000	12,000	3.25
DA33 Perv	2YR	2	3,909,000	12,000	1.20
DA33 Imp	10YR	10	6,125,000	12,000	1.85
DA33 Imp	100YR	100	10,688,000	12,000	3.17
DA33 Perv	2YR	2	173,000	12,000	0.05
DA33 Perv	10YR	10	488,000	12,000	0.18
DA33 Perv	100YR	100	1,355,000	12,000	0.50
DA44 Imp	2YR	2	1,797,000	12,000	0.63
DA44 Imp	10YR	10	3,105,000	12,000	1.05
DA44 Imp	100YR	100	5,867,000	12,000	1.89

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA44 Perv	2YR	2	58,000	12,000	0.02
DA44 Perv	10YR	10	163,000	12,000	0.06
DA44 Perv	100YR	100	453,000	12,000	0.17
DA43 Imp	2YR	2	1,495,000	12,000	0.46
DA43 Imp	10YR	10	2,343,000	12,000	0.71
DA43 Imp	100YR	100	4,087,000	12,000	1.22
DA43 Perv	2YR	2	490,000	12,000	0.14
DA43 Perv	10YR	10	1,175,000	12,000	0.37
DA43 Perv	100YR	100	2,905,000	12,000	0.92
DA42 Perv	2YR	2	424,000	12,000	0.13
DA42 Perv	10YR	10	1,194,000	12,000	0.44
DA42 Perv	100YR	100	3,315,000	12,000	1.23
DA42 Imp	2YR	2	5,569,000	12,000	1.86
DA42 Imp	10YR	10	9,161,000	12,000	2.96
DA42 Imp	100YR	100	16,626,000	12,000	5.17
DA36 Imp	2YR	2	5,864,000	12,000	1.80
DA36 Imp	10YR	10	9,189,000	12,000	2.78
DA36 Imp	100YR	100	16,033,000	12,000	4.76
DA36 Perv	2YR	2	2,334,000	12,000	0.84
DA36 Perv	10YR	10	5,592,000	12,000	2.08
DA36 Perv	100YR	100	13,814,000	12,000	5.05
DA53 Imp	2YR	2	3,423,000	12,000	1.10
DA53 Imp	10YR	10	5,497,000	12,000	1.72
DA53 Imp	100YR	100	9,781,000	12,000	2.98
DA53 Perv	2YR	2	710,000	12,050	0.16
DA53 Perv	10YR	10	2,002,000	12,050	0.57
DA53 Perv	100YR	100	5,566,000	12,050	1.65
DA52 Imp	2YR	2	4,326,000	12,000	1.37
DA52 Imp	10YR	10	6,862,000	12,000	2.11
DA52 Imp	100YR	100	12,090,000	12,000	3.64
DA52 Perv	2YR	2	748,000	12,050	0.17
DA52 Perv	10YR	10	2,110,000	12,050	0.60
DA52 Perv	100YR	100	5,867,000	12,050	1.73
DA20 Imp	2YR	2	7,653,000	12,000	2.42
DA20 Imp	10YR	10	12,140,000	12,000	3.74
DA20 Imp	100YR	100	21,391,000	12,000	6.44
DA20 Perv	2YR	2	769,000	12,000	0.24
DA20 Perv	10YR	10	2,168,000	12,000	0.79
DA20 Perv	100YR	100	6,023,000	12,000	2.23
DA17 Imp	2YR	2	9,094,000	12,000	2.93
DA17 Imp	10YR	10	14,601,000	12,000	4.56
DA17 Imp	100YR	100	25,978,000	12,000	7.90
DA17 Perv	2YR	2	230,000	12,000	0.06

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA17 Perv	10YR	10	649,000	12,000	0.21
DA17 Perv	100YR	100	1,805,000	12,000	0.61
DA22 Imp	2YR	2	8,882,000	12,000	2.87
DA22 Imp	10YR	10	14,260,000	12,000	4.46
DA22 Imp	100YR	100	25,370,000	12,000	7.72
DA22 Perv	2YR	2	1,008,000	12,000	0.34
DA22 Perv	10YR	10	2,690,000	12,000	1.01
DA22 Perv	100YR	100	7,195,000	12,000	2.68
PDAB Imp	2YR	2	4,369,000	12,000	1.34
PDAB Imp	10YR	10	6,847,000	12,000	2.07
PDAB Imp	100YR	100	11,946,000	12,000	3.55
PDAB Perv	2YR	2	504,000	12,000	0.16
PDAB Perv	10YR	10	1,417,000	12,000	0.53
PDAB Perv	100YR	100	3,928,000	12,000	1.47
DA11 Imp	2YR	2	6,525,000	12,000	2.08
DA11 Imp	10YR	10	10,477,000	12,000	3.24
DA11 Imp	100YR	100	18,643,000	12,000	5.61
DA11 Perv	2YR	2	345,000	12,000	0.10
DA11 Perv	10YR	10	973,000	12,000	0.34
DA11 Perv	100YR	100	2,707,000	12,000	0.97
DA19 Perv	2YR	2	192,000	12,050	0.05
DA19 Perv	10YR	10	541,000	12,050	0.15
DA19 Perv	100YR	100	1,504,000	12,000	0.46
DA19 Imp	2YR	2	3,743,000	12,000	1.05
DA19 Imp	10YR	10	6,011,000	12,000	1.65
DA19 Imp	100YR	100	10,695,000	12,000	2.85
DA18 Imp	2YR	2	8,651,000	12,050	2.25
DA18 Imp	10YR	10	13,724,000	12,050	3.48
DA18 Imp	100YR	100	24,181,000	12,050	6.00
DA18 Perv	2YR	2	710,000	12,050	0.16
DA18 Perv	10YR	10	2,003,000	12,050	0.56
DA18 Perv	100YR	100	5,567,000	12,050	1.64
DA49 Imp	2YR	2	3,327,000	12,000	1.04
DA49 Imp	10YR	10	5,277,000	12,000	1.61
DA49 Imp	100YR	100	9,299,000	12,000	2.78
DA49 Perv	2YR	2	345,000	12,000	0.10
DA49 Perv	10YR	10	973,000	12,000	0.35
DA49 Perv	100YR	100	2,707,000	12,000	0.98
DA21 Perv	2YR	2	441,000	12,000	0.10
DA21 Perv	10YR	10	1,244,000	12,000	0.39
DA21 Perv	100YR	100	3,460,000	12,000	1.14
DA21 Imp	2YR	2	5,562,000	12,000	1.65
DA21 Imp	10YR	10	8,931,000	12,000	2.58

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA21 Imp	100YR	100	15,892,000	12,000	4.48
DA48 Imp	2YR	2	2,246,000	12,000	0.68
DA48 Imp	10YR	10	3,607,000	12,000	1.07
DA48 Imp	100YR	100	6,417,000	12,000	1.85
DA48 Perv	2YR	2	173,000	12,000	0.04
DA48 Perv	10YR	10	487,000	12,000	0.16
DA48 Perv	100YR	100	1,354,000	12,000	0.46
DA6 Perv	2YR	2	422,000	12,000	0.10
DA6 Perv	10YR	10	1,190,000	12,000	0.38
DA6 Perv	100YR	100	3,309,000	12,000	1.11
DA6 Imp	2YR	2	5,434,000	12,000	1.62
DA6 Imp	10YR	10	8,620,000	12,000	2.51
DA6 Imp	100YR	100	15,188,000	12,000	4.32
DA5 Imp	2YR	2	4,067,000	12,000	1.31
DA5 Imp	10YR	10	6,529,000	12,000	2.05
DA5 Imp	100YR	100	11,616,000	12,000	3.54
DA5 Perv	2YR	2	252,000	12,000	0.08
DA5 Perv	10YR	10	708,000	12,000	0.26
DA5 Perv	100YR	100	1,964,000	12,000	0.74
DA61 Perv	2YR	2	115,000	12,000	0.04
DA61 Perv	10YR	10	325,000	12,000	0.12
DA61 Perv	100YR	100	904,000	12,000	0.33
DA61 Imp	2YR	2	5,978,000	12,000	1.84
DA61 Imp	10YR	10	9,368,000	12,000	2.83
DA61 Imp	100YR	100	16,346,000	12,000	4.85
DA37 Perv	2YR	2	345,000	12,050	0.08
DA37 Perv	10YR	10	974,000	12,050	0.28
DA37 Perv	100YR	100	2,708,000	12,000	0.81
DA37 Imp	2YR	2	3,882,000	12,000	1.22
DA37 Imp	10YR	10	6,158,000	12,000	1.89
DA37 Imp	100YR	100	10,849,000	12,000	3.26
DA31 Perv	2YR	2	3,104,000	12,000	0.89
DA31 Perv	10YR	10	4,864,000	12,000	1.36
DA31 Perv	100YR	100	8,487,000	12,000	2.34
DA31 Imp	2YR	2	6,432,000	12,000	2.01
DA31 Imp	10YR	10	10,204,000	12,000	3.11
DA31 Imp	100YR	100	17,979,000	12,000	5.36
DA4 Imp	2YR	2	9,204,000	12,000	2.97
DA4 Imp	10YR	10	14,777,000	12,000	4.63
DA4 Imp	100YR	100	26,290,000	12,000	8.01
DA4 Perv	2YR	2	291,000	12,000	0.09
DA4 Perv	10YR	10	817,000	12,000	0.30
DA4 Perv	100YR	100	2,266,000	12,000	0.85

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA1 Imp	2YR	2	5,988,000	12,000	1.88
DA1 Imp	10YR	10	9,499,000	12,000	2.91
DA1 Imp	100YR	100	16,737,000	12,000	5.01
DA1 Perv	2YR	2	2,275,000	12,000	0.77
DA1 Perv	10YR	10	5,685,000	12,000	2.07
DA1 Perv	100YR	100	14,498,000	12,000	5.25
DA14 Imp	2YR	2	3,530,000	12,000	1.14
DA14 Imp	10YR	10	5,668,000	12,000	1.77
DA14 Imp	100YR	100	10,086,000	12,000	3.06
DA14 Perv	2YR	2	134,000	12,000	0.04
DA14 Perv	10YR	10	379,000	12,000	0.14
DA14 Perv	100YR	100	1,054,000	12,000	0.39
DA13 Imp	2YR	2	3,508,000	12,000	1.15
DA13 Imp	10YR	10	5,701,000	12,000	1.81
DA13 Imp	100YR	100	10,243,000	12,000	3.15
DA13 Perv	2YR	2	77,000	12,000	0.02
DA13 Perv	10YR	10	217,000	12,000	0.08
DA13 Perv	100YR	100	603,000	12,000	0.22
DA2 Perv	2YR	2	1,899,000	12,000	0.55
DA2 Perv	10YR	10	5,217,000	12,000	1.81
DA2 Perv	100YR	100	14,243,000	12,000	5.07
DA2 Imp	2YR	2	9,317,000	12,000	2.94
DA2 Imp	10YR	10	14,779,000	12,000	4.54
DA2 Imp	100YR	100	26,039,000	12,000	7.83
DA9 Imp	2YR	2	5,242,000	12,000	1.69
DA9 Imp	10YR	10	8,417,000	12,000	2.63
DA9 Imp	100YR	100	14,976,000	12,000	4.55
DA9 Perv	2YR	2	288,000	12,050	0.06
DA9 Perv	10YR	10	812,000	12,050	0.23
DA9 Perv	100YR	100	2,257,000	12,050	0.67
DA10 Perv	2YR	2	461,000	12,000	0.14
DA10 Perv	10YR	10	1,300,000	12,000	0.47
DA10 Perv	100YR	100	3,614,000	12,000	1.34
DA10 Imp	2YR	2	9,082,000	12,000	2.80
DA10 Imp	10YR	10	14,233,000	12,000	4.30
DA10 Imp	100YR	100	24,836,000	12,000	7.38
DA54 Imp	2YR	2	3,316,000	12,000	1.07
DA54 Imp	10YR	10	5,325,000	12,000	1.66
DA54 Imp	100YR	100	9,474,000	12,000	2.88
DA54 Perv	2YR	2	192,000	12,000	0.06
DA54 Perv	10YR	10	542,000	12,000	0.20
DA54 Perv	100YR	100	1,505,000	12,000	0.56
DA41 Perv	2YR	2	39,000	12,000	0.01

Basin Routings Current Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA41 Perv	10YR	10	109,000	12,000	0.04
DA41 Perv	100YR	100	302,000	12,000	0.11
DA41 Imp	2YR	2	1,819,000	12,000	0.59
DA41 Imp	10YR	10	2,921,000	12,000	0.92
DA41 Imp	100YR	100	5,197,000	12,000	1.58
DA27	2YR	2	8,855,000	12,000	2.73
DA27	10YR	10	13,875,000	12,000	4.20
DA27	100YR	100	24,210,000	12,000	7.20
DA29 Perv	2YR	2	403,000	12,000	0.10
DA29 Perv	10YR	10	1,136,000	12,000	0.36
DA29 Perv	100YR	100	3,159,000	12,000	1.06
DA29 Imp	2YR	2	11,424,000	12,000	3.60
DA29 Imp	10YR	10	18,122,000	12,000	5.57
DA29 Imp	100YR	100	31,930,000	12,000	9.60
DA7 Perv	2YR	2	402,000	12,000	0.12
DA7 Perv	10YR	10	1,136,000	12,000	0.40
DA7 Perv	100YR	100	3,158,000	12,000	1.14
DA7 Imp	2YR	2	4,436,000	12,000	1.38
DA7 Imp	10YR	10	7,037,000	12,000	2.14
DA7 Imp	100YR	100	12,400,000	12,000	3.69

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
POI-2 (Harry's Brook)	2YR	2	123,514,000	13.850	4.36
POI-2 (Harry's Brook)	10YR	10	376,363,000	12.600	27.59
POI-2 (Harry's Brook)	100YR	100	970,558,000	12.850	47.43
J 24	2YR	2	91,248,000	13.800	4.15
J 24	10YR	10	233,142,000	12.850	16.02
J 24	100YR	100	558,912,000	12.300	63.70
POI-1 Barclay Square	2YR	2	124,380,000	13.300	6.60
POI-1 Barclay Square	10YR	10	289,964,000	12.350	32.62
POI-1 Barclay Square	100YR	100	692,475,000	12.100	110.77
POI-3 Barclay Square Ex	2YR	2	8,037,000	12.050	1.96
POI-3 Barclay Square Ex	10YR	10	22,072,000	12.000	6.68
POI-3 Barclay Square Ex	100YR	100	60,242,000	12.000	19.26

Pond Summary

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
EX BASIN 6 (IN)	2YR	2	161,150,000	12.100	32.33	(N/A)	(N/A)
EX BASIN 6 (OUT)	2YR	2	32,266,000	24.050	0.36	91.38	150,189,000
EX BASIN 6 (IN)	10YR	10	275,011,000	12.100	53.56	(N/A)	(N/A)
EX BASIN 6 (OUT)	10YR	10	140,488,000	14.500	3.75	91.91	188,159,000
EX BASIN 6 (IN)	100YR	100	544,631,000	12.100	102.51	(N/A)	(N/A)
EX BASIN 6 (OUT)	100YR	100	408,117,000	12.850	21.27	93.24	290,239,000
Inf130 (IN)	2YR	2	157,669,000	12.000	15.31	(N/A)	(N/A)
Inf130 (OUT)	2YR	2	88,668,000	13.800	4.15	92.87	42,931,000
Inf130 (IN)	10YR	10	301,543,000	12.000	32.09	(N/A)	(N/A)
Inf130 (OUT)	10YR	10	223,151,000	12.950	15.02	93.76	73,009,000
Inf130 (IN)	100YR	100	617,695,000	12.050	85.68	(N/A)	(N/A)
Inf130 (OUT)	100YR	100	528,092,000	12.400	56.46	95.06	119,752,000
Bi028 (IN)	2YR	2	2,430,000	12.000	6.55	(N/A)	(N/A)
Bi028 (OUT)	2YR	2	2,580,000	12.200	1.16	91.96	4,254,000
Bi028 (IN)	10YR	10	38,498,000	12.000	10.80	(N/A)	(N/A)
Bi028 (OUT)	10YR	10	9,991,000	12.150	3.92	92.54	7,148,000
Bi028 (IN)	100YR	100	74,145,000	12.000	19.96	(N/A)	(N/A)
Bi028 (OUT)	100YR	100	30,821,000	12.100	10.29	93.54	12,624,000
Bi045 (IN)	2YR	2	77,961,000	12.000	10.88	(N/A)	(N/A)
Bi045 (OUT)	2YR	2	70,083,000	13.550	2.32	98.42	26,406,000
Bi045 (IN)	10YR	10	150,782,000	12.000	20.88	(N/A)	(N/A)
Bi045 (OUT)	10YR	10	142,808,000	12.500	9.19	99.16	37,937,000
Bi045 (IN)	100YR	100	312,120,000	12.000	44.99	(N/A)	(N/A)
Bi045 (OUT)	100YR	100	304,071,000	12.150	32.40	99.99	52,126,000
UGB57 (IN)	2YR	2	9,975,000	12.000	3.00	(N/A)	(N/A)
UGB57 (OUT)	2YR	2	0.000	0.000	0.00	112.31	9,479,000
UGB57 (IN)	10YR	10	15,219,000	12.000	4.72	(N/A)	(N/A)
UGB57 (OUT)	10YR	10	3,850,000	16.900	0.10	112.62	12,531,000
UGB57 (IN)	100YR	100	27,253,000	12.000	8.30	(N/A)	(N/A)
UGB57 (OUT)	100YR	100	15,894,000	12.600	1.00	113.08	16,761,000
UGB55 (IN)	2YR	2	23,607,000	12.000	7.42	(N/A)	(N/A)
UGB55 (OUT)	2YR	2	10,046,000	14.500	0.29	111.19	17,024,000
UGB56 (IN)	10YR	10	38,110,000	12.000	11.76	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB56 (OUT)	10YR	10	24,548,000	12.750	1.24	111.55	23,349,000
UGB56 (IN)	100YR	100	68,690,000	12.000	20.85	(N/A)	(N/A)
UGB56 (OUT)	100YR	100	55,126,000	12.250	4.58	112.32	35,802,000
UGB62 (IN)	2YR	2	16,327,000	12.000	5.03	(N/A)	(N/A)
UGB62 (OUT)	2YR	2	13,444,000	12.500	0.65	109.03	9,358,000
UGB62 (IN)	10YR	10	25,875,000	12.000	7.86	(N/A)	(N/A)
UGB62 (OUT)	10YR	10	22,986,000	12.400	1.24	109.38	13,495,000
UGB62 (IN)	100YR	100	45,820,000	12.000	13.75	(N/A)	(N/A)
UGB62 (OUT)	100YR	100	42,923,000	12.450	2.10	110.13	21,729,000
UGB63 (IN)	2YR	2	11,497,000	12.000	3.54	(N/A)	(N/A)
UGB63 (OUT)	2YR	2	7,136,000	12.350	0.63	105.39	6,612,000
UGB63 (IN)	10YR	10	18,017,000	12.000	5.45	(N/A)	(N/A)
UGB63 (OUT)	10YR	10	13,656,000	12.100	1.80	105.80	8,895,000
UGB63 (IN)	100YR	100	31,438,000	12.000	9.35	(N/A)	(N/A)
UGB63 (OUT)	100YR	100	27,076,000	12.050	5.02	106.35	11,697,000
Bi01 (IN)	2YR	2	136,014,000	12.250	16.19	(N/A)	(N/A)
Bi01 (OUT)	2YR	2	124,380,000	13.300	6.60	82.82	34,546,000
Bi01 (IN)	10YR	10	306,823,000	12.100	45.04	(N/A)	(N/A)
Bi01 (OUT)	10YR	10	289,964,000	12.350	32.62	85.32	53,838,000
Bi01 (IN)	100YR	100	710,495,000	12.050	109.46	(N/A)	(N/A)
Bi01 (OUT)	100YR	100	691,041,000	12.100	107.01	86.55	64,479,000
Bi012 (IN)	2YR	2	102,230,000	12.050	12.66	(N/A)	(N/A)
Bi012 (OUT)	2YR	2	74,971,000	12.250	9.29	87.39	12,411,000
Bi012 (IN)	10YR	10	225,820,000	12.050	30.36	(N/A)	(N/A)
Bi012 (OUT)	10YR	10	186,556,000	12.100	27.92	88.01	16,536,000
Bi012 (IN)	100YR	100	500,170,000	12.050	76.28	(N/A)	(N/A)
Bi012 (OUT)	100YR	100	456,874,000	12.100	73.10	88.85	22,734,000
Bi035 (IN)	2YR	2	30,202,000	12.000	1.06	(N/A)	(N/A)
Bi035 (OUT)	2YR	2	21,197,000	17.850	0.39	104.93	7,471,000
Bi035 (IN)	10YR	10	72,410,000	12.750	3.07	(N/A)	(N/A)
Bi035 (OUT)	10YR	10	60,593,000	15.250	1.21	105.91	13,562,000
Bi035 (IN)	100YR	100	152,269,000	12.000	11.49	(N/A)	(N/A)
Bi035 (OUT)	100YR	100	140,002,000	12.700	9.14	106.66	19,193,000
UGB59 (IN)	2YR	2	35,877,000	12.000	4.88	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB59 (OUT)	2YR	2	26,407,000	14.700	0.75	105.07	18,129,000
UGB59 (IN)	10YR	10	68,288,000	12.000	9.43	(N/A)	(N/A)
UGB59 (OUT)	10YR	10	64,587,000	12.750	2.74	105.93	31,742,000
UGB59 (IN)	100YR	100	141,201,000	12.000	20.62	(N/A)	(N/A)
UGB59 (OUT)	100YR	100	134,248,000	12.450	9.20	106.76	45,015,000
UGB58 (IN)	2YR	2	22,512,000	12.000	6.37	(N/A)	(N/A)
UGB58 (OUT)	2YR	2	17,097,000	12.550	1.02	107.92	11,620,000
UGB58 (IN)	10YR	10	39,614,000	12.000	10.92	(N/A)	(N/A)
UGB58 (OUT)	10YR	10	34,194,000	12.350	2.61	108.60	17,953,000
UGB58 (IN)	100YR	100	77,874,000	12.000	20.86	(N/A)	(N/A)
UGB58 (OUT)	100YR	100	72,447,000	12.200	8.58	109.53	27,644,000
UGB51 (IN)	2YR	2	9,099,000	12.000	2.48	(N/A)	(N/A)
UGB51 (OUT)	2YR	2	2,867,000	12.450	0.43	103.19	3,716,000
UGB51 (IN)	10YR	10	16,721,000	12.000	4.64	(N/A)	(N/A)
UGB51 (OUT)	10YR	10	9,563,000	12.100	2.23	103.62	5,317,000
UGB51 (IN)	100YR	100	34,819,000	12.000	9.68	(N/A)	(N/A)
UGB51 (OUT)	100YR	100	27,031,000	12.100	6.21	104.24	7,824,000
UGB25 (IN)	2YR	2	24,402,000	12.000	7.08	(N/A)	(N/A)
UGB25 (OUT)	2YR	2	15,648,000	12.200	2.54	98.62	9,805,000
UGB25 (IN)	10YR	10	39,983,000	12.000	11.25	(N/A)	(N/A)
UGB25 (OUT)	10YR	10	30,478,000	12.100	5.74	99.02	12,955,000
UGB25 (IN)	100YR	100	72,535,000	12.000	18.90	(N/A)	(N/A)
UGB25 (OUT)	100YR	100	62,137,000	12.100	11.35	99.52	17,229,000
UGB25 (IN)	2YR	2	23,483,000	12.000	6.58	(N/A)	(N/A)
UGB25 (OUT)	2YR	2	0.000	0.000	0.00	101.07	15,417,000
UGB25 (IN)	10YR	10	41,159,000	12.000	11.68	(N/A)	(N/A)
UGB25 (OUT)	10YR	10	6,025,000	16.900	0.14	101.83	27,544,000
UGB25 (IN)	100YR	100	81,252,000	12.000	23.16	(N/A)	(N/A)
UGB25 (OUT)	100YR	100	41,090,000	12.700	2.89	102.69	42,679,000
UGB50 (IN)	2YR	2	4,223,000	12.000	1.30	(N/A)	(N/A)
UGB50 (OUT)	2YR	2	3,860,000	12.000	1.13	102.66	690,000
UGB50 (IN)	10YR	10	6,983,000	12.000	2.11	(N/A)	(N/A)
UGB50 (OUT)	10YR	10	6,620,000	12.000	1.81	102.92	819,000
UGB50 (IN)	100YR	100	12,965,000	12.000	3.84	(N/A)	(N/A)
UGB50 (OUT)	100YR	100	12,602,000	12.000	2.92	103.66	1,169,000
UGB46 (IN)	2YR	2	3,688,000	12.000	1.14	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB46 (OUT)	2YR	2	3,567,000	12.000	0.99	104.11	418,000
UGB46 (IN)	10YR	10	6,157,000	12.000	1.88	(N/A)	(N/A)
UGB46 (OUT)	10YR	10	6,037,000	12.000	1.63	104.35	536,000
UGB46 (IN)	100YR	100	11,595,000	12.000	3.48	(N/A)	(N/A)
UGB46 (OUT)	100YR	100	11,445,000	12.000	2.70	104.97	844,000
UGB47 (IN)	2YR	2	6,453,000	12.000	1.86	(N/A)	(N/A)
UGB47 (OUT)	2YR	2	6,024,000	12.050	1.08	109.15	1,578,000
UGB47 (IN)	10YR	10	10,947,000	12.000	3.04	(N/A)	(N/A)
UGB47 (OUT)	10YR	10	10,518,000	12.050	1.85	109.44	2,092,000
UGB47 (IN)	100YR	100	20,942,000	12.000	5.60	(N/A)	(N/A)
UGB47 (OUT)	100YR	100	20,512,000	12.100	3.00	110.22	3,411,000
UGB60 (IN)	2YR	2	15,092,000	12.000	4.77	(N/A)	(N/A)
UGB60 (OUT)	2YR	2	7,657,000	13.150	0.35	112.33	9,751,000
UGB60 (IN)	10YR	10	24,483,000	12.000	7.63	(N/A)	(N/A)
UGB60 (OUT)	10YR	10	17,049,000	12.250	1.47	112.71	13,416,000
UGB60 (IN)	100YR	100	44,402,000	12.000	13.63	(N/A)	(N/A)
UGB60 (OUT)	100YR	100	36,968,000	12.100	4.61	113.43	19,770,000
UGB15 (IN)	2YR	2	26,238,000	12.000	4.34	(N/A)	(N/A)
UGB15 (OUT)	2YR	2	24,058,000	12.250	2.01	93.15	5,230,000
UGB15 (IN)	10YR	10	47,248,000	12.000	8.30	(N/A)	(N/A)
UGB15 (OUT)	10YR	10	45,064,000	12.150	4.56	93.54	7,445,000
UGB15 (IN)	100YR	100	94,650,000	12.000	17.75	(N/A)	(N/A)
UGB15 (OUT)	100YR	100	92,459,000	12.100	11.36	94.30	11,481,000
UGB16 (IN)	2YR	2	18,083,000	12.000	5.46	(N/A)	(N/A)
UGB16 (OUT)	2YR	2	14,999,000	12.250	1.22	95.29	8,578,000
UGB16 (IN)	10YR	10	30,745,000	12.000	9.19	(N/A)	(N/A)
UGB16 (OUT)	10YR	10	27,662,000	12.200	2.71	95.76	12,305,000
UGB16 (IN)	100YR	100	58,964,000	12.000	17.42	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB16 (OUT)	100YR	100	55,882.000	12.100	6.76	96.71	18,820.000
UGB55 (IN)	2YR	2	25,216.000	12.000	7.73	(N/A)	(N/A)
UGB55 (OUT)	2YR	2	18,924.000	12.250	1.49	107.41	13,547.000
UGB55 (IN)	10YR	10	40,555.000	12.000	12.27	(N/A)	(N/A)
UGB55 (OUT)	10YR	10	34,262.000	12.100	4.40	107.83	18,212.000
UGB55 (IN)	100YR	100	72,974.000	12.000	21.82	(N/A)	(N/A)
UGB55 (OUT)	100YR	100	66,681.000	12.050	11.98	108.45	24,415.000
UGB32 (IN)	2YR	2	25,712.000	12.000	8.10	(N/A)	(N/A)
UGB32 (OUT)	2YR	2	21,444.000	12.050	3.01	111.26	10,813.000
UGB32 (IN)	10YR	10	41,307.000	12.000	12.77	(N/A)	(N/A)
UGB32 (OUT)	10YR	10	37,040.000	12.050	5.71	111.67	14,094.000
UGB32 (IN)	100YR	100	73,993.000	12.000	22.46	(N/A)	(N/A)
UGB32 (OUT)	100YR	100	69,725.000	12.050	12.15	112.44	19,567.000
UGB33 (IN)	2YR	2	28,863.000	12.000	4.20	(N/A)	(N/A)
UGB33 (OUT)	2YR	2	28,252.000	12.150	3.63	107.26	2,248.000
UGB33 (IN)	10YR	10	49,720.000	12.000	7.86	(N/A)	(N/A)
UGB33 (OUT)	10YR	10	49,109.000	12.100	7.01	107.74	3,125.000
UGB33 (IN)	100YR	100	93,780.000	12.000	16.12	(N/A)	(N/A)
UGB33 (OUT)	100YR	100	93,169.000	12.050	14.97	108.63	4,568.000
UGB34 (IN)	2YR	2	4,131.000	12.000	1.30	(N/A)	(N/A)
UGB34 (OUT)	2YR	2	3,338.000	12.150	0.35	110.36	1,939.000
UGB34 (IN)	10YR	10	6,861.000	12.000	2.14	(N/A)	(N/A)
UGB34 (OUT)	10YR	10	6,068.000	12.100	0.79	110.61	2,660.000
UGB34 (IN)	100YR	100	12,806.000	12.000	3.97	(N/A)	(N/A)
UGB34 (OUT)	100YR	100	12,012.000	12.100	1.47	111.11	3,992.000
UGB43 (IN)	2YR	2	1,985.000	12.000	0.60	(N/A)	(N/A)
UGB43 (OUT)	2YR	2	0.000	0.000	0.00	98.83	1,021.000
UGB43 (IN)	10YR	10	4,254.000	12.000	1.08	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB43 (OUT)	10YR	10	1,556.000	12.600	0.25	99.17	1,615.000
UGB43 (IN)	100YR	100	10,319.000	12.000	3.16	(N/A)	(N/A)
UGB43 (OUT)	100YR	100	7,188.000	12.100	1.95	99.75	2,630.000
UGB44 (IN)	2YR	2	1,855.000	12.000	0.65	(N/A)	(N/A)
UGB44 (OUT)	2YR	2	0.000	0.000	0.00	101.83	1,022.000
UGB44 (IN)	10YR	10	3,268.000	12.000	1.11	(N/A)	(N/A)
UGB44 (OUT)	10YR	10	737.000	12.450	0.15	102.10	1,491.000
UGB44 (IN)	100YR	100	6,320.000	12.000	2.06	(N/A)	(N/A)
UGB44 (OUT)	100YR	100	3,327.000	12.050	1.12	102.52	2,229.000
UGB42 (IN)	2YR	2	5,993.000	12.000	2.00	(N/A)	(N/A)
UGB42 (OUT)	2YR	2	4,765.000	12.050	1.10	96.61	2,229.000
UGB42 (IN)	10YR	10	10,355.000	12.000	3.40	(N/A)	(N/A)
UGB42 (OUT)	10YR	10	9,128.000	12.050	2.17	96.97	2,799.000
UGB42 (IN)	100YR	100	19,941.000	12.000	6.41	(N/A)	(N/A)
UGB42 (OUT)	100YR	100	18,714.000	12.000	4.60	97.61	3,728.000
BIG36 (IN)	2YR	2	8,198.000	12.000	2.64	(N/A)	(N/A)
BIG36 (OUT)	2YR	2	7,538.000	12.000	1.84	99.47	1,504.000
BIG36 (IN)	10YR	10	14,781.000	12.000	4.86	(N/A)	(N/A)
BIG36 (OUT)	10YR	10	14,121.000	12.000	3.61	99.88	2,070.000
BIG36 (IN)	100YR	100	29,847.000	12.000	9.81	(N/A)	(N/A)
BIG36 (OUT)	100YR	100	29,187.000	12.000	7.58	100.60	3,257.000
BIG53 (IN)	2YR	2	4,133.000	12.000	1.24	(N/A)	(N/A)
BIG53 (OUT)	2YR	2	3,138.000	12.050	0.68	105.81	1,542.000
BIG53 (IN)	10YR	10	7,499.000	12.000	2.25	(N/A)	(N/A)
BIG53 (OUT)	10YR	10	6,503.000	12.050	1.45	106.06	1,962.000
BIG53 (IN)	100YR	100	15,346.000	12.000	4.57	(N/A)	(N/A)
BIG53 (OUT)	100YR	100	14,351.000	12.050	3.12	106.48	2,775.000
BIG52 (IN)	2YR	2	5,074.000	12.000	1.50	(N/A)	(N/A)
BIG52 (OUT)	2YR	2	3,258.000	12.050	0.86	101.05	1,429.000
BIG52 (IN)	10YR	10	8,972.000	12.000	2.66	(N/A)	(N/A)
BIG52 (OUT)	10YR	10	7,011.000	12.050	1.68	101.29	1,887.000
BIG52 (IN)	100YR	100	17,958.000	12.000	5.29	(N/A)	(N/A)
BIG52 (OUT)	100YR	100	15,826.000	12.050	3.59	101.74	2,814.000
UGB20 (IN)	2YR	2	20,078.000	12.000	5.55	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB20 (OUT)	2YR	2	10,722,000	12.200	1.98	98.71	6,004,000
UGB20 (IN)	10YR	10	34,397,000	12.000	9.75	(N/A)	(N/A)
UGB20 (OUT)	10YR	10	23,383,000	12.100	5.88	99.21	8,106,000
UGB20 (IN)	100YR	100	66,117,000	12.000	19.02	(N/A)	(N/A)
UGB20 (OUT)	100YR	100	53,599,000	12.050	14.92	99.77	10,217,000
UGB17 (IN)	2YR	2	9,324,000	12.000	2.99	(N/A)	(N/A)
UGB17 (OUT)	2YR	2	1,993,000	17.300	0.06	111.54	7,746,000
UGB17 (IN)	10YR	10	15,250,000	12.000	4.77	(N/A)	(N/A)
UGB17 (OUT)	10YR	10	7,919,000	13.050	0.38	111.75	9,778,000
UGB17 (IN)	100YR	100	27,783,000	12.000	8.51	(N/A)	(N/A)
UGB17 (OUT)	100YR	100	20,453,000	12.200	2.02	112.27	14,641,000
UGB22 (IN)	2YR	2	9,890,000	12.000	3.21	(N/A)	(N/A)
UGB22 (OUT)	2YR	2	3,544,000	14.100	0.15	108.07	6,914,000
UGB22 (IN)	10YR	10	16,950,000	12.000	5.47	(N/A)	(N/A)
UGB22 (OUT)	10YR	10	10,604,000	12.400	0.92	108.34	9,153,000
UGB22 (IN)	100YR	100	32,565,000	12.000	10.40	(N/A)	(N/A)
UGB22 (OUT)	100YR	100	26,219,000	12.050	4.17	108.95	13,924,000
Infl8 (IN)	2YR	2	12,489,000	12.000	3.24	(N/A)	(N/A)
Infl8 (OUT)	2YR	2	8,015,000	12.300	1.20	110.19	3,099,000
Infl8 (IN)	10YR	10	21,869,000	12.000	5.74	(N/A)	(N/A)
Infl8 (OUT)	10YR	10	15,947,000	12.250	2.17	110.60	5,196,000
Infl8 (IN)	100YR	100	42,395,000	12.000	11.47	(N/A)	(N/A)
Infl8 (OUT)	100YR	100	34,893,000	12.150	5.04	111.32	9,264,000
UGB11 (IN)	2YR	2	30,928,000	12.000	3.70	(N/A)	(N/A)
UGB11 (OUT)	2YR	2	27,886,000	12.000	3.45	85.47	807,000
UGB11 (IN)	10YR	10	56,514,000	12.000	7.38	(N/A)	(N/A)
UGB11 (OUT)	10YR	10	53,187,000	12.000	7.15	85.69	996,000
UGB11 (IN)	100YR	100	113,809,000	12.000	16.44	(N/A)	(N/A)
UGB11 (OUT)	100YR	100	110,201,000	12.050	15.60	86.06	1,301,000
UGB19 (IN)	2YR	2	14,656,000	12.050	2.75	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB19 (OUT)	2YR	2	12,863,000	12.250	2.51	96.26	1,328,000
UGB19 (Reverse)	2YR	2	0.000	21.050	0.00	(N/A)	(N/A)
UGB19 (IN)	10YR	10	29,935,000	12.050	7.37	(N/A)	(N/A)
UGB19 (OUT)	10YR	10	27,672,000	12.100	6.73	96.95	1,909,000
UGB19 (IN)	100YR	100	65,797,000	12.050	17.90	(N/A)	(N/A)
UGB19 (OUT)	100YR	100	63,353,000	12.050	17.57	97.70	2,430,000
UGB19 (Reverse)	100YR	100	0.000	6.250	0.00	(N/A)	(N/A)
UGB18 (IN)	2YR	2	22,223,000	12.050	4.27	(N/A)	(N/A)
UGB18 (OUT)	2YR	2	21,565,000	12.100	3.81	96.17	1,683,000
UGB18 (IN)	10YR	10	43,398,000	12.050	9.90	(N/A)	(N/A)
UGB18 (OUT)	10YR	10	42,847,000	12.100	10.01	96.84	2,200,000
UGB18 (IN)	100YR	100	93,100,000	12.050	24.98	(N/A)	(N/A)
UGB18 (OUT)	100YR	100	92,260,000	12.050	23.86	97.50	2,626,000
UGB49 (IN)	2YR	2	3,672,000	12.000	1.14	(N/A)	(N/A)
UGB49 (OUT)	2YR	2	3,518,000	12.000	1.04	103.87	373,000
UGB49 (IN)	10YR	10	6,251,000	12.000	1.96	(N/A)	(N/A)
UGB49 (OUT)	10YR	10	6,097,000	12.000	1.86	104.07	458,000
UGB49 (IN)	100YR	100	12,006,000	12.000	3.76	(N/A)	(N/A)
UGB49 (OUT)	100YR	100	11,852,000	12.000	3.64	104.43	604,000
UGB21 (IN)	2YR	2	6,003,000	12.000	1.76	(N/A)	(N/A)
UGB21 (OUT)	2YR	2	5,856,000	12.050	1.48	99.26	600,000
UGB21 (IN)	10YR	10	10,176,000	12.000	2.97	(N/A)	(N/A)
UGB21 (OUT)	10YR	10	10,029,000	12.050	2.59	99.60	806,000
UGB21 (IN)	100YR	100	19,352,000	12.000	5.61	(N/A)	(N/A)
UGB21 (OUT)	100YR	100	19,205,000	12.050	5.03	100.21	1,166,000
UGB48 (IN)	2YR	2	2,419,000	12.000	0.73	(N/A)	(N/A)
UGB48 (OUT)	2YR	2	2,278,000	12.050	0.62	101.91	311,000
UGB48 (IN)	10YR	10	4,094,000	12.000	1.22	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB48 (OUT)	10YR	10	3,952,000	12.050	1.08	102.05	364,000
UGB48 (IN)	100YR	100	7,771,000	12.000	2.31	(N/A)	(N/A)
UGB48 (OUT)	100YR	100	7,630,000	12.000	2.07	102.29	464,000
UGB66 (IN)	2YR	2	10,530,000	12.000	3.09	(N/A)	(N/A)
UGB66 (OUT)	2YR	2	9,369,000	12.100	1.77	96.65	2,091,000
UGB66 (IN)	10YR	10	18,182,000	12.000	5.28	(N/A)	(N/A)
UGB66 (OUT)	10YR	10	16,597,000	12.050	4.21	97.45	2,605,000
UGB66 (IN)	100YR	100	34,873,000	12.000	10.01	(N/A)	(N/A)
UGB66 (OUT)	100YR	100	29,889,000	11.900	4.71	97.50	2,638,000
UGB85 (IN)	2YR	2	13,691,000	12.000	2.96	(N/A)	(N/A)
UGB85 (OUT)	2YR	2	12,071,000	12.150	1.88	96.59	2,046,000
UGB85 (IN)	10YR	10	23,839,000	12.000	5.76	(N/A)	(N/A)
UGB85 (OUT)	10YR	10	22,027,000	12.050	5.32	97.29	2,503,000
UGB85 (IN)	100YR	100	43,475,000	11.950	7.58	(N/A)	(N/A)
UGB85 (OUT)	100YR	100	41,615,000	12.000	7.35	97.45	2,603,000
UGB61 (IN)	2YR	2	6,093,000	12.000	1.87	(N/A)	(N/A)
UGB61 (OUT)	2YR	2	5,545,000	12.050	0.86	108.89	2,004,000
UGB61 (IN)	10YR	10	9,694,000	12.000	2.95	(N/A)	(N/A)
UGB61 (OUT)	10YR	10	9,145,000	12.050	1.30	109.18	2,667,000
UGB61 (IN)	100YR	100	17,250,000	12.000	5.19	(N/A)	(N/A)
UGB61 (OUT)	100YR	100	16,701,000	12.100	1.91	109.88	4,169,000
UGB37 (IN)	2YR	2	4,227,000	12.000	1.29	(N/A)	(N/A)
UGB37 (OUT)	2YR	2	2,815,000	12.100	0.51	104.80	1,979,000
UGB37 (IN)	10YR	10	7,132,000	12.000	2.16	(N/A)	(N/A)
UGB37 (OUT)	10YR	10	5,720,000	12.050	1.32	105.07	2,491,000
UGB37 (IN)	100YR	100	13,557,000	12.000	4.07	(N/A)	(N/A)
UGB37 (OUT)	100YR	100	12,145,000	12.050	2.79	105.45	3,174,000
UGB31 (IN)	2YR	2	9,536,000	12.000	2.90	(N/A)	(N/A)
UGB31 (OUT)	2YR	2	8,869,000	12.100	1.44	93.87	2,818,000
UGB31 (IN)	10YR	10	15,068,000	12.000	4.47	(N/A)	(N/A)
UGB31 (OUT)	10YR	10	14,401,000	12.100	2.18	94.21	3,722,000
UGB31 (IN)	100YR	100	26,466,000	12.000	7.70	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB31 (OUT)	100YR	100	25,890,000	12.100	3.23	95.04	5,799,000
UGB4 (IN)	2YR	2	9,495,000	12.000	3.07	(N/A)	(N/A)
UGB4 (OUT)	2YR	2	4,029,000	12.150	0.81	86.51	3,912,000
UGB4 (IN)	10YR	10	15,594,000	12.000	4.94	(N/A)	(N/A)
UGB4 (OUT)	10YR	10	9,629,000	12.050	2.48	86.98	5,428,000
UGB4 (IN)	100YR	100	28,556,000	12.000	8.86	(N/A)	(N/A)
UGB4 (OUT)	100YR	100	22,146,000	12.050	5.43	87.59	7,234,000
UGB2 (IN)	2YR	2	17,658,000	12.000	5.15	(N/A)	(N/A)
UGB2 (OUT)	2YR	2	15,441,000	12.050	3.78	87.03	4,104,000
UGB2 (IN)	10YR	10	31,159,000	12.000	8.94	(N/A)	(N/A)
UGB2 (OUT)	10YR	10	28,951,000	12.000	7.69	87.30	4,610,000
UGB2 (IN)	100YR	100	61,473,000	12.000	18.58	(N/A)	(N/A)
UGB2 (OUT)	100YR	100	58,324,000	12.000	13.43	87.58	5,152,000
UGB13 (IN)	2YR	2	6,853,000	12.000	1.99	(N/A)	(N/A)
UGB13 (OUT)	2YR	2	6,437,000	12.000	1.67	87.67	790,000
UGB13 (IN)	10YR	10	11,569,000	12.000	3.00	(N/A)	(N/A)
UGB13 (OUT)	10YR	10	11,154,000	12.000	2.59	87.94	940,000
UGB13 (IN)	100YR	100	21,602,000	12.000	6.44	(N/A)	(N/A)
UGB13 (OUT)	100YR	100	21,177,000	12.000	5.68	88.63	1,311,000
UGB14 (IN)	2YR	2	3,666,000	12.000	1.18	(N/A)	(N/A)
UGB14 (OUT)	2YR	2	3,267,000	12.000	0.81	87.93	796,000
UGB14 (IN)	10YR	10	6,049,000	12.000	1.91	(N/A)	(N/A)
UGB14 (OUT)	10YR	10	5,649,000	12.050	1.14	88.40	1,055,000
UGB14 (IN)	100YR	100	11,142,000	12.000	3.45	(N/A)	(N/A)
UGB14 (OUT)	100YR	100	10,753,000	12.000	3.06	88.75	1,246,000
UGB9 (IN)	2YR	2	5,530,000	12.000	1.74	(N/A)	(N/A)
UGB9 (OUT)	2YR	2	4,673,000	12.000	1.37	101.75	1,371,000
UGB9 (IN)	10YR	10	9,229,000	12.000	2.84	(N/A)	(N/A)
UGB9 (OUT)	10YR	10	8,371,000	12.000	2.39	101.95	1,600,000
UGB9 (IN)	100YR	100	17,232,000	12.000	5.18	(N/A)	(N/A)
UGB9 (OUT)	100YR	100	16,375,000	12.000	4.58	102.31	2,000,000
UGB10 (IN)	2YR	2	9,544,000	12.000	2.94	(N/A)	(N/A)
UGB10 (OUT)	2YR	2	7,616,000	12.050	1.84	107.55	3,325,000
UGB10 (IN)	10YR	10	15,534,000	12.000	4.77	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
UGB10 (OUT)	10YR	10	13,606,000	12.050	3.23	107.80	3,946,000
UGB10 (IN)	100YR	100	28,449,000	12,000	8.72	(N/A)	(N/A)
UGB10 (OUT)	100YR	100	26,521,000	12,000	6.45	108.27	5,058,000
UGB54 (IN)	2YR	2	3,508,000	12,000	1.13	(N/A)	(N/A)
UGB54 (OUT)	2YR	2	3,383,000	12,000	1.01	100.08	402,000
UGB54 (IN)	10YR	10	5,866,000	12,000	1.86	(N/A)	(N/A)
UGB54 (OUT)	10YR	10	5,741,000	12,000	1.74	100.29	498,000
UGB54 (IN)	100YR	100	10,980,000	12,000	3.43	(N/A)	(N/A)
UGB54 (OUT)	100YR	100	10,854,000	12,000	3.18	100.71	667,000
UGB41 (IN)	2YR	2	1,858,000	12,000	0.60	(N/A)	(N/A)
UGB41 (OUT)	2YR	2	1,695,000	12,000	0.55	105.24	295,000
UGB41 (IN)	10YR	10	3,030,000	12,000	0.96	(N/A)	(N/A)
UGB41 (OUT)	10YR	10	2,866,000	12,000	0.88	105.42	345,000
UGB41 (IN)	100YR	100	5,499,000	12,000	1.70	(N/A)	(N/A)
UGB41 (OUT)	100YR	100	5,335,000	12,000	1.48	105.91	467,000
UGB27 (IN)	2YR	2	8,855,000	12,000	2.73	(N/A)	(N/A)
UGB27 (OUT)	2YR	2	5,914,000	12,050	1.72	100.53	2,408,000
UGB27 (IN)	10YR	10	13,875,000	12,000	4.20	(N/A)	(N/A)
UGB27 (OUT)	10YR	10	10,744,000	12,050	2.80	100.80	2,911,000
UGB27 (IN)	100YR	100	24,210,000	12,000	7.20	(N/A)	(N/A)
UGB27 (OUT)	100YR	100	20,899,000	12,050	4.27	101.53	4,161,000
BIO29 (IN)	2YR	2	11,826,000	12,000	3.70	(N/A)	(N/A)
BIO29 (OUT)	2YR	2	10,894,000	12,000	3.28	94.81	1,025,000
BIO29 (IN)	10YR	10	19,258,000	12,000	5.93	(N/A)	(N/A)
BIO29 (OUT)	10YR	10	18,281,000	12,000	5.29	95.11	1,335,000
BIO29 (IN)	100YR	100	35,089,000	12,000	10.65	(N/A)	(N/A)
BIO29 (OUT)	100YR	100	34,059,000	12,000	9.48	95.64	1,989,000
UGB7 (IN)	2YR	2	4,838,000	12,000	1.50	(N/A)	(N/A)
UGB7 (OUT)	2YR	2	0.000	0.000	0.00	101.11	3,150,000
UGB7 (IN)	10YR	10	8,173,000	12,000	2.54	(N/A)	(N/A)
UGB7 (OUT)	10YR	10	2,389,000	12,550	0.30	101.84	4,168,000
UGB7 (IN)	100YR	100	15,558,000	12,000	4.83	(N/A)	(N/A)

Basin Routings Current Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
UGB7 (OUT)	100YR	100	10,183,000	12,000	3.05	102.50	4,882,000
UGB3 (IN)	2YR	2	23,865,000	12,450	0.43	(N/A)	(N/A)
UGB3 (OUT)	2YR	2	22,476,000	17,050	0.39	85.84	345,000
UGB3 (IN)	10YR	10	70,156,000	12,150	2.31	(N/A)	(N/A)
UGB3 (OUT)	10YR	10	67,724,000	12,400	1.76	86.37	1,360,000
UGB3 (IN)	100YR	100	167,033,000	12,500	11.43	(N/A)	(N/A)
UGB3 (OUT)	100YR	100	163,998,000	12,700	11.02	88.35	6,458,000

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio1
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	1.0000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	77.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
77.00	0.00	0.000	0.110	0.00	0.00	0.00
77.10	0.00	480.991	0.111	0.11	0.11	5.46
77.20	0.00	965.654	0.112	0.11	0.11	10.84
77.30	0.00	1,454.003	0.113	0.11	0.11	16.27
77.40	0.00	1,946.052	0.113	0.11	0.11	21.74
77.50	0.00	2,441.815	0.114	0.12	0.12	27.25
77.52	0.00	2,541.414	0.114	0.12	0.12	28.35
77.60	0.03	2,941.305	0.115	0.12	0.15	32.83
77.70	0.17	3,444.537	0.116	0.12	0.28	38.56
77.80	0.39	3,951.524	0.117	0.12	0.50	44.41
77.90	0.68	4,462.281	0.118	0.12	0.80	50.38
78.00	1.03	4,976.822	0.119	0.12	1.14	56.44
78.10	1.41	5,495.160	0.119	0.12	1.53	62.59
78.20	1.79	6,017.309	0.120	0.12	1.91	68.77
78.30	2.02	6,543.284	0.121	0.12	2.14	74.84
78.40	2.22	7,073.099	0.122	0.12	2.35	80.94
78.50	2.41	7,606.767	0.123	0.12	2.54	87.06
78.60	2.59	8,144.302	0.124	0.12	2.71	93.20
78.70	2.75	8,685.718	0.125	0.13	2.88	99.38
78.80	2.90	9,231.030	0.126	0.13	3.03	105.60
78.90	3.05	9,780.251	0.127	0.13	3.18	111.85
79.00	3.19	10,333.395	0.127	0.13	3.32	118.13
79.10	3.32	10,890.476	0.128	0.13	3.45	124.46
79.20	3.45	11,451.508	0.129	0.13	3.58	130.82
79.30	3.58	12,016.506	0.130	0.13	3.71	137.23
79.40	3.70	12,585.482	0.131	0.13	3.83	143.67
79.50	3.81	13,158.451	0.132	0.13	3.95	150.15
79.60	3.93	13,735.428	0.133	0.13	4.06	156.68

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Page 22 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio1
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
79.70	4.04	14,316.425	0.134	0.13	4.17	163.24
79.80	4.14	14,901.457	0.135	0.14	4.28	169.85
79.90	4.25	15,490.538	0.136	0.14	4.38	176.50
80.00	4.35	16,083.682	0.137	0.14	4.49	183.19
80.10	4.45	16,680.902	0.138	0.14	4.59	189.93
80.20	4.54	17,282.213	0.139	0.14	4.68	196.71
80.30	4.64	17,887.629	0.139	0.14	4.78	203.53
80.40	4.73	18,497.164	0.140	0.14	4.87	210.40
80.50	4.82	19,110.831	0.141	0.14	4.97	217.31
80.60	4.91	19,728.645	0.142	0.14	5.06	224.26
80.70	5.00	20,350.619	0.143	0.14	5.15	231.26
80.80	5.09	20,976.768	0.144	0.15	5.23	238.31
80.90	5.17	21,607.105	0.145	0.15	5.32	245.40
81.00	5.26	22,241.644	0.146	0.15	5.40	252.53
81.10	5.34	22,880.400	0.147	0.15	5.49	259.71
81.20	5.42	23,523.387	0.148	0.15	5.57	266.94
81.30	5.50	24,170.617	0.149	0.15	5.65	274.21
81.40	5.58	24,822.106	0.150	0.15	5.73	281.53
81.50	5.66	25,477.867	0.151	0.15	5.81	288.90
81.60	5.73	26,137.914	0.152	0.15	5.89	296.31
81.70	5.81	26,802.262	0.153	0.15	5.96	303.77
81.80	5.88	27,470.923	0.154	0.16	6.04	311.27
81.90	5.96	28,143.913	0.155	0.16	6.11	318.82
82.00	6.03	28,821.245	0.156	0.16	6.19	326.42
82.10	6.10	29,502.932	0.157	0.16	6.26	334.07
82.20	6.17	30,188.990	0.158	0.16	6.33	341.76
82.30	6.24	30,879.432	0.159	0.16	6.40	349.51
82.40	6.31	31,574.271	0.160	0.16	6.47	357.30
82.50	6.38	32,273.522	0.161	0.16	6.54	365.14
82.60	6.45	32,977.199	0.162	0.16	6.61	373.03
82.70	6.52	33,685.316	0.163	0.16	6.68	380.96
82.80	6.58	34,397.887	0.164	0.17	6.75	388.95
82.90	6.65	35,114.925	0.165	0.17	6.81	396.98
83.00	6.71	35,836.445	0.166	0.17	6.88	405.06
83.10	6.78	36,562.461	0.167	0.17	6.95	413.20
83.20	6.84	37,292.986	0.168	0.17	7.01	421.38
83.30	6.91	38,028.035	0.169	0.17	7.08	429.61
83.40	6.97	38,767.621	0.170	0.17	7.14	437.89
83.50	7.03	39,511.759	0.171	0.17	7.20	446.22
83.60	7.09	40,260.462	0.172	0.17	7.27	454.60
83.70	7.15	41,013.744	0.173	0.17	7.33	463.04
83.80	7.21	41,771.620	0.174	0.18	7.39	471.52
83.90	7.27	42,534.103	0.176	0.18	7.45	480.05

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Page 23 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio1
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25t + O (ft³/s)
84.00	7.33	43,301.208	0.177	0.18	7.51	488.64
84.10	7.77	44,072.947	0.178	0.18	7.95	497.65
84.20	8.53	44,849.336	0.179	0.18	8.71	507.03
84.30	9.48	45,630.388	0.180	0.18	9.66	516.67
84.40	10.60	46,416.118	0.181	0.18	10.79	526.52
84.50	11.87	47,206.538	0.182	0.18	12.05	536.57
84.60	13.26	48,001.663	0.183	0.18	13.44	546.80
84.70	14.77	48,801.508	0.184	0.19	14.95	557.19
84.75	15.56	49,203.204	0.185	0.19	15.75	562.45
84.80	16.55	49,606.085	0.185	0.19	16.74	567.92
84.90	18.97	50,415.409	0.186	0.19	19.16	579.33
85.00	21.78	51,229.495	0.187	0.19	21.97	591.19
85.10	24.91	52,048.355	0.189	0.19	25.10	603.42
85.20	28.32	52,872.003	0.190	0.19	28.51	615.98
85.30	31.98	53,700.455	0.191	0.19	32.17	628.84
85.40	35.86	54,533.724	0.192	0.19	36.06	641.99
85.50	39.97	55,371.823	0.193	0.19	40.16	655.40
85.60	44.27	56,214.766	0.194	0.20	44.47	669.08
85.70	48.77	57,062.569	0.195	0.20	48.97	683.00
85.80	53.45	57,915.244	0.196	0.20	53.65	697.16
85.90	58.31	58,772.806	0.197	0.20	58.51	711.54
86.00	63.34	59,635.268	0.199	0.20	63.54	726.16
86.10	72.44	60,502.644	0.200	0.20	72.64	740.89
86.20	81.69	61,374.949	0.201	0.20	81.89	753.84
86.30	89.80	62,252.197	0.202	0.20	90.00	781.69
86.40	96.75	63,134.401	0.203	0.20	96.96	798.45
86.50	103.85	64,021.575	0.204	0.21	104.06	815.41
86.60	110.00	64,913.733	0.205	0.21	110.20	831.47
86.70	116.28	65,810.890	0.207	0.21	116.49	847.72
86.80	122.69	66,713.059	0.208	0.21	122.90	864.16
86.90	129.24	67,620.254	0.209	0.21	129.45	880.79
87.00	135.92	68,532.489	0.210	0.21	136.13	897.60
87.10	142.63	69,451.562	0.212	0.21	142.84	914.52
87.20	149.45	70,379.285	0.214	0.22	149.67	931.66
87.30	156.40	71,315.700	0.216	0.22	156.62	949.02
87.40	163.47	72,260.847	0.218	0.22	163.69	966.59
87.50	170.66	73,214.767	0.220	0.22	170.88	984.38

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
77.00	4,791.6	0.00
77.10	4,828.2	0.11
77.20	4,865.0	0.11
77.30	4,902.0	0.11
77.40	4,939.0	0.11
77.50	4,976.2	0.12
77.52	4,983.7	0.12
77.60	5,013.6	0.12
77.70	5,051.1	0.12
77.80	5,088.7	0.12
77.90	5,126.5	0.12
78.00	5,164.4	0.12
78.10	5,202.4	0.12
78.20	5,240.6	0.12
78.30	5,278.9	0.12
78.40	5,317.4	0.12
78.50	5,356.0	0.12
78.60	5,394.7	0.12
78.70	5,433.6	0.13
78.80	5,472.6	0.13
78.90	5,511.8	0.13
79.00	5,551.1	0.13
79.10	5,590.5	0.13
79.20	5,630.1	0.13
79.30	5,669.8	0.13
79.40	5,709.7	0.13
79.50	5,749.7	0.13
79.60	5,789.8	0.13
79.70	5,830.1	0.13
79.80	5,870.5	0.14
79.90	5,911.1	0.14
80.00	5,951.8	0.14
80.10	5,992.6	0.14
80.20	6,033.6	0.14
80.30	6,074.7	0.14
80.40	6,116.0	0.14
80.50	6,157.4	0.14
80.60	6,198.9	0.14
80.70	6,240.6	0.14
80.80	6,282.4	0.15
80.90	6,324.4	0.15
81.00	6,366.5	0.15

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
81.10	6,408.7	0.15
81.20	6,451.1	0.15
81.30	6,493.6	0.15
81.40	6,536.2	0.15
81.50	6,579.0	0.15
81.60	6,622.0	0.15
81.70	6,665.0	0.15
81.80	6,708.2	0.16
81.90	6,751.6	0.16
82.00	6,795.1	0.16
82.10	6,838.7	0.16
82.20	6,882.5	0.16
82.30	6,926.4	0.16
82.40	6,970.4	0.16
82.50	7,014.6	0.16
82.60	7,058.9	0.16
82.70	7,103.4	0.16
82.80	7,148.0	0.17
82.90	7,192.8	0.17
83.00	7,237.7	0.17
83.10	7,282.7	0.17
83.20	7,327.8	0.17
83.30	7,373.2	0.17
83.40	7,418.6	0.17
83.50	7,464.2	0.17
83.60	7,509.9	0.17
83.70	7,555.8	0.17
83.80	7,601.8	0.18
83.90	7,647.9	0.18
84.00	7,694.2	0.18
84.10	7,740.6	0.18
84.20	7,787.2	0.18
84.30	7,833.9	0.18
84.40	7,880.7	0.18
84.50	7,927.7	0.18
84.60	7,974.8	0.18
84.70	8,022.1	0.19
84.75	8,045.8	0.19
84.80	8,069.5	0.19
84.90	8,117.0	0.19
85.00	8,164.7	0.19
85.10	8,212.5	0.19

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.20	8,260.5	0.19
85.30	8,308.6	0.19
85.40	8,356.8	0.19
85.50	8,405.2	0.19
85.60	8,453.7	0.20
85.70	8,502.4	0.20
85.80	8,551.2	0.20
85.90	8,600.1	0.20
86.00	8,649.2	0.20
86.10	8,698.4	0.20
86.20	8,747.7	0.20
86.30	8,797.2	0.20
86.40	8,846.9	0.20
86.50	8,896.6	0.21
86.60	8,946.6	0.21
86.70	8,996.6	0.21
86.80	9,046.8	0.21
86.90	9,097.1	0.21
87.00	9,147.6	0.21
87.10	9,233.9	0.21
87.20	9,320.6	0.22
87.30	9,407.7	0.22
87.40	9,495.3	0.22
87.50	9,583.2	0.22

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio1 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
1.0000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
77.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	16.19 ft³/s	Time to Peak (Flow, In)	12.250 hours
Infiltration (Peak)	0.17 ft³/s	Time to Peak (Infiltration)	13.300 hours
Flow (Peak Outlet)	6.60 ft³/s	Time to Peak (Flow, Outlet)	13.300 hours

Elevation (Water Surface, Peak)		82.82 ft
Volume (Peak)		34,545.952 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		136,014.000 ft³
Volume (Total Infiltration)		11,633.000 ft³
Volume (Total Outlet Outflow)		124,380.000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio1 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
1.0000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
77.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	45.04 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.19 ft³/s	Time to Peak (Infiltration)	12.350 hours
Flow (Peak Outlet)	32.62 ft³/s	Time to Peak (Flow, Outlet)	12.350 hours

Elevation (Water Surface, Peak)		85.32 ft
Volume (Peak)		53,838.300 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		306,823.000 ft³
Volume (Total Infiltration)		16,853.000 ft³
Volume (Total Outlet Outflow)		289,964.000 ft³
Volume (Retained)		5.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio1 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	1.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	77.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	109.46 ft³/s
Infiltration (Peak)	0.21 ft³/s
Flow (Peak Outlet)	107.01 ft³/s
Elevation (Water Surface, Peak)	
Volume (Peak)	86.55 ft
	64,479.409 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	710,495.000 ft³
Volume (Total Infiltration)	19,442.000 ft³
Volume (Total Outlet Outflow)	691,041.000 ft³
Volume (Retained)	12.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio1 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio1'

Upstream Link		Upstream Node
Out7		UGB7
Out4		UGB4
Out 12		Bio12
<Catchment to Outflow Node>		DA1 Imp
Out11		UGB11
<Catchment to Outflow Node>		DA1 Perv Basin
Out8		Infil8
<Catchment to Outflow Node>		DA1 Perv
Out5		UGB5

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out7	0.000	0.000	0.00
Flow (From)	Out4	4,028.626	12.150	0.81
Flow (From)	Out 12	74,970.582	12.250	9.29
Flow (From)	DA1 Imp	5,987.937	12.000	1.88
Flow (From)	Out11	27,886.399	12.000	3.45
Flow (From)	DA1 Perv Basin	778.448	12.000	0.24
Flow (From)	Out8	8,015.204	12.300	1.20
Flow (From)	DA1 Perv	2,275.066	12.000	0.77
Flow (From)	Out5	12,071.326	12.150	1.88
Flow (In)	Bio1	136,013.589	12.250	16.19

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary

Label: Bio1 (IN)

Scenario: 10YR

Return Event: 10 years

Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio1'

Upstream Link		Upstream Node	
Out7		UGB7	
Out4		UGB4	
Out 12		Bio12	
<Catchment to Outflow Node>		DA1 Imp	
Out11		UGB11	
<Catchment to Outflow Node>		DA1 Perv Basin	
Out8		Infil8	
<Catchment to Outflow Node>		DA1 Perv	
Out5		UGB5	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out7	2,388.619	12.550	0.30
Flow (From)	Out4	9,628.672	12.050	2.48
Flow (From)	Out 12	186,555.935	12.100	27.92
Flow (From)	DA1 Imp	9,499.035	12.000	2.91
Flow (From)	Out11	53,187.186	12.000	7.15
Flow (From)	DA1 Perv Basin	1,904.572	12.000	0.64
Flow (From)	Out8	15,947.030	12.250	2.17
Flow (From)	DA1 Perv	5,684.847	12.000	2.07
Flow (From)	Out5	22,026.730	12.050	5.32
Flow (In)	Bio1	306,822.625	12.100	45.04

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Bentley Systems, Inc. Haestad Methods Solution
Center
27 Siemon Corporate Drive Suite 200 W
Watertown, CT 06795 USA +1-203-755-1666

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Page 32 of 420

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary

Label: Bio1 (IN)

Scenario: 100YR

Return Event: 100 years

Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio1'

Upstream Link		Upstream Node	
Out7		UGB7	
Out4		UGB4	
Out 12		Bio12	
<Catchment to Outflow Node>		DA1 Imp	
Out11		UGB11	
<Catchment to Outflow Node>		DA1 Perv Basin	
Out8		Infil8	
<Catchment to Outflow Node>		DA1 Perv	
Out5		UGB5	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out7	10,183.166	12.000	3.05
Flow (From)	Out4	22,146.488	12.050	5.43
Flow (From)	Out 12	455,441.022	12.100	69.34
Flow (From)	DA1 Imp	16,737.272	12.000	5.01
Flow (From)	Out11	110,200.554	12.050	15.60
Flow (From)	DA1 Perv Basin	4,781.118	12.000	1.62
Flow (From)	Out8	34,892.984	12.150	5.04
Flow (From)	DA1 Perv	14,498.218	12.000	5.25
Flow (From)	Out5	41,614.623	12.000	7.35
Flow (In)	Bio1	710,495.445	12.050	109.46

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[10.02.00.01]
Page 33 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio12
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
2.0000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	
85.25 ft	
Volume (Initial)	
0.000 ft³	
Flow (Initial Outlet)	
0.00 ft³/s	
Flow (Initial Infiltration)	
0.00 ft³/s	
Flow (Initial, Total)	
0.00 ft³/s	
Time Increment	
0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
85.25	0.00	0.000	0.120	0.00	0.00	0.00
85.30	0.00	262.072	0.121	0.24	0.24	3.16
85.35	0.00	525.571	0.121	0.24	0.24	6.08
85.40	0.00	790.501	0.122	0.25	0.25	9.03
85.45	0.00	1,056.865	0.123	0.25	0.25	11.99
85.50	0.00	1,324.668	0.123	0.25	0.25	14.97
85.55	0.00	1,593.913	0.124	0.25	0.25	17.96
85.60	0.00	1,864.604	0.125	0.25	0.25	20.97
85.65	0.00	2,136.745	0.125	0.25	0.25	23.99
85.70	0.00	2,410.340	0.126	0.25	0.25	27.04
85.75	0.00	2,685.393	0.127	0.26	0.26	30.09
85.80	0.00	2,961.908	0.127	0.26	0.26	33.17
85.85	0.00	3,239.888	0.128	0.26	0.26	36.26
85.90	0.00	3,519.338	0.129	0.26	0.26	39.36
85.95	0.00	3,800.260	0.129	0.26	0.26	42.49
86.00	0.00	4,082.661	0.130	0.26	0.26	45.63
86.05	0.00	4,366.335	0.130	0.26	0.26	48.78
86.10	0.00	4,651.081	0.131	0.26	0.26	51.94
86.15	0.00	4,936.899	0.131	0.27	0.27	55.12
86.20	0.07	5,223.793	0.132	0.27	0.34	58.38
86.25	0.14	5,511.763	0.132	0.27	0.41	61.65
86.30	0.30	5,800.812	0.133	0.27	0.57	65.02
86.35	0.46	6,090.942	0.133	0.27	0.73	68.40
86.40	0.62	6,382.155	0.134	0.27	0.89	71.80
86.45	0.77	6,674.453	0.134	0.27	1.05	75.21
86.50	0.93	6,967.838	0.135	0.27	1.20	78.62
86.55	1.16	7,262.312	0.135	0.27	1.44	82.13
86.60	1.40	7,557.877	0.136	0.27	1.67	85.65

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Page 34 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio12
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
86.65	1.63	7,854.535	0.136	0.28	1.90	89.18
86.70	1.86	8,152.288	0.137	0.28	2.14	92.72
86.75	2.09	8,451.138	0.137	0.28	2.37	96.27
86.80	2.38	8,751.088	0.138	0.28	2.66	99.89
86.85	2.67	9,052.138	0.138	0.28	2.94	103.52
86.90	2.95	9,354.291	0.139	0.28	3.23	107.17
86.95	3.24	9,657.550	0.139	0.28	3.52	110.83
87.00	3.53	9,961.916	0.140	0.28	3.81	114.50
87.05	4.16	10,267.890	0.141	0.28	4.44	118.53
87.10	4.79	10,575.976	0.142	0.29	5.08	122.59
87.15	5.43	10,886.182	0.143	0.29	5.71	126.67
87.20	6.06	11,198.516	0.144	0.29	6.35	130.78
87.25	6.69	11,512.984	0.145	0.29	6.98	134.91
87.30	7.61	11,829.593	0.146	0.29	7.91	139.35
87.35	8.54	12,148.351	0.147	0.30	8.83	143.81
87.40	9.46	12,469.266	0.148	0.30	9.76	148.30
87.45	10.38	12,792.344	0.149	0.30	10.68	152.82
87.50	11.30	13,117.593	0.150	0.30	11.60	157.35
87.55	12.74	13,445.020	0.151	0.30	13.04	162.43
87.60	14.18	13,774.632	0.152	0.31	14.49	167.54
87.65	15.62	14,106.436	0.153	0.31	15.93	172.66
87.70	17.06	14,440.441	0.154	0.31	17.37	177.82
87.75	18.50	14,776.652	0.155	0.31	18.81	182.99
87.80	20.33	15,115.078	0.156	0.31	20.64	188.59
87.85	22.16	15,455.726	0.157	0.32	22.48	194.21
87.90	23.99	15,798.602	0.158	0.32	24.31	199.85
87.95	25.82	16,143.714	0.159	0.32	26.15	205.52
88.00	27.66	16,491.070	0.160	0.32	27.98	211.21
88.05	29.67	16,840.608	0.161	0.32	29.99	217.11
88.10	31.68	17,192.267	0.162	0.33	32.01	223.03
88.15	33.70	17,546.052	0.163	0.33	34.02	228.98
88.20	35.71	17,901.970	0.164	0.33	36.04	234.95
88.25	37.72	18,260.027	0.165	0.33	38.05	240.94
88.30	40.18	18,620.231	0.166	0.33	40.51	247.40
88.35	42.63	18,982.587	0.167	0.34	42.97	253.88
88.40	45.08	19,347.102	0.168	0.34	45.42	260.39
88.45	47.54	19,713.782	0.169	0.34	47.88	266.92
88.50	49.99	20,082.633	0.170	0.34	50.34	273.48
88.55	52.69	20,453.663	0.171	0.35	52.73	280.29
88.60	55.38	20,826.877	0.172	0.35	55.03	287.14
88.65	58.07	21,202.281	0.173	0.35	58.42	294.00
88.70	60.77	21,579.883	0.174	0.35	61.12	300.89
88.75	63.46	21,959.689	0.175	0.35	63.81	307.81

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Page 35 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio12
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25t + 0 (ft³/s)
88.80	68.23	22,341.705	0.176	0.35	68.58	316.83
88.85	73.00	22,725.937	0.177	0.36	73.36	325.87
88.90	77.77	23,112.392	0.178	0.36	78.13	334.94
88.95	82.54	23,501.076	0.179	0.36	82.90	344.03
89.00	87.32	23,891.996	0.180	0.36	87.68	353.14
89.05	92.74	24,285.097	0.181	0.36	93.11	362.94
89.10	97.36	24,680.325	0.182	0.37	97.73	371.95
89.15	100.77	25,077.685	0.183	0.37	101.14	379.78
89.20	104.17	25,477.182	0.184	0.37	104.55	387.63
89.25	107.58	25,878.824	0.185	0.37	107.96	395.50
89.30	110.92	26,282.614	0.186	0.37	111.29	403.32
89.35	114.25	26,688.560	0.187	0.38	114.63	411.17
89.40	117.59	27,096.666	0.188	0.38	117.97	419.04
89.45	120.93	27,506.939	0.189	0.38	121.31	426.94
89.50	124.26	27,919.384	0.190	0.38	124.65	434.86
89.55	127.78	28,334.007	0.191	0.38	128.16	442.99
89.60	131.29	28,750.814	0.192	0.39	131.68	451.13
89.65	134.81	29,169.811	0.193	0.39	135.20	459.31
89.70	138.32	29,591.002	0.194	0.39	138.71	467.50
89.75	141.84	30,014.395	0.195	0.39	142.23	475.72
89.80	145.52	30,439.994	0.196	0.40	145.92	484.14
89.85	149.21	30,867.806	0.197	0.40	149.60	492.58
89.90	152.89	31,297.835	0.198	0.40	153.29	501.04
89.95	156.58	31,730.089	0.199	0.40	156.98	509.53
90.00	160.26	32,164.572	0.200	0.40	160.66	518.05

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio12 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.25	5,227.2	0.00
85.30	5,255.7	0.24
85.35	5,284.3	0.24
85.40	5,312.9	0.25
85.45	5,341.7	0.25
85.50	5,370.5	0.25
85.55	5,399.3	0.25
85.60	5,428.3	0.25
85.65	5,457.4	0.25
85.70	5,486.5	0.25
85.75	5,515.7	0.26
85.80	5,544.9	0.26
85.85	5,574.3	0.26
85.90	5,603.7	0.26
85.95	5,633.2	0.26
86.00	5,662.8	0.26
86.05	5,694.2	0.26
86.10	5,705.6	0.26
86.15	5,727.1	0.27
86.20	5,748.6	0.27
86.25	5,770.2	0.27
86.30	5,791.8	0.27
86.35	5,813.4	0.27
86.40	5,835.1	0.27
86.45	5,856.8	0.27
86.50	5,878.6	0.27
86.55	5,900.4	0.27
86.60	5,922.2	0.27
86.65	5,944.1	0.28
86.70	5,966.0	0.28
86.75	5,988.0	0.28
86.80	6,010.0	0.28
86.85	6,032.0	0.28
86.90	6,054.1	0.28
86.95	6,076.2	0.28
87.00	6,098.4	0.28
87.05	6,140.6	0.28
87.10	6,182.9	0.29
87.15	6,225.4	0.29
87.20	6,268.0	0.29
87.25	6,310.7	0.29
87.30	6,353.7	0.29

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio12 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
87.35	6,396.7	0.30
87.40	6,439.9	0.30
87.45	6,483.2	0.30
87.50	6,526.7	0.30
87.55	6,570.4	0.30
87.60	6,614.1	0.31
87.65	6,658.1	0.31
87.70	6,702.1	0.31
87.75	6,746.3	0.31
87.80	6,790.7	0.31
87.85	6,835.2	0.32
87.90	6,879.9	0.32
87.95	6,924.7	0.32
88.00	6,969.6	0.32
88.05	7,011.9	0.32
88.10	7,054.4	0.33
88.15	7,097.0	0.33
88.20	7,139.7	0.33
88.25	7,182.6	0.33
88.30	7,225.6	0.33
88.35	7,268.7	0.34
88.40	7,311.9	0.34
88.45	7,355.3	0.34
88.50	7,398.8	0.34
88.55	7,442.4	0.34
88.60	7,486.2	0.35
88.65	7,530.0	0.35
88.70	7,574.1	0.35
88.75	7,618.2	0.35
88.80	7,662.5	0.35
88.85	7,706.9	0.36
88.90	7,751.4	0.36
88.95	7,796.0	0.36
89.00	7,840.8	0.36
89.05	7,883.3	0.36
89.10	7,925.9	0.37
89.15	7,968.6	0.37
89.20	8,011.4	0.37
89.25	8,054.3	0.37
89.30	8,097.3	0.37
89.35	8,140.5	0.38
89.40	8,183.8	0.38

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio12 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
89.45	8,227.2	0.38
89.50	8,270.7	0.38
89.55	8,314.3	0.38
89.60	8,358.0	0.39
89.65	8,401.9	0.39
89.70	8,445.8	0.39
89.75	8,489.9	0.39
89.80	8,534.1	0.40
89.85	8,578.4	0.40
89.90	8,622.8	0.40
89.95	8,667.4	0.40
90.00	8,712.0	0.40

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio12 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	2.0000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	85.25 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	12.66 ft³/s	Time to Peak (Flow, In)	12.050 hours
Infiltration (Peak)	0.30 ft³/s	Time to Peak (Infiltration)	12.250 hours
Flow (Peak Outlet)	9.29 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)		87.39 ft
Volume (Peak)		12,411.149 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	102,230.000 ft³	
Volume (Total Infiltration)	27,259.000 ft³	
Volume (Total Outlet Outflow)	74,971.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio12 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	2.0000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	85.25 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	30.36 ft³/s	Time to Peak (Flow, In)	12.050 hours
Infiltration (Peak)	0.32 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	27.92 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)		88.01 ft
Volume (Peak)		16,536.109 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	225,820.000 ft³	
Volume (Total Infiltration)	39,227.000 ft³	
Volume (Total Outlet Outflow)	186,556.000 ft³	
Volume (Retained)	37.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio12 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	76.28 ft³/s
Infiltration (Peak)	0.36 ft³/s
Flow (Peak Outlet)	73.10 ft³/s
Elevation (Water Surface, Peak)	88.85 ft
Volume (Peak)	22,733.621 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	500,170,000 ft³
Volume (Total Infiltration)	42,748,000 ft³
Volume (Total Outlet Outflow)	456,874,000 ft³
Volume (Retained)	548,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio12 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio12'

Upstream Link	Upstream Node
Out53	Bio53
Out3	UGB3
Out41	UGB41
<Catchment to Outflow Node>	DA12A Perv
Out52	Bio52
Out2	UGB2
Out55	UGB55
<Catchment to Outflow Node>	DA12A Imp
Out18	UGB18
Out54	UGB54
Out22	UGB22

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out53	3,137,506	12.050	0.68
Flow (From)	Out3	22,475,576	17.050	0.39
Flow (From)	Out41	1,694,604	12.000	0.55
Flow (From)	DA12A Perv	4,670,679	12.150	0.76
Flow (From)	Out52	3,257,646	12.050	0.86
Flow (From)	Out2	15,440,634	12.050	3.78
Flow (From)	Out55	18,923,530	12.250	1.49
Flow (From)	DA12A Imp	4,138,136	12.000	1.22
Flow (From)	Out18	21,565,062	12.100	3.81
Flow (From)	Out54	3,382,705	12.000	1.01
Flow (From)	Out22	3,543,918	14.100	0.15
Flow (In)	Bio12	102,229,996	12.050	12.66

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio12 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio12'

Upstream Link		Upstream Node
Out53		Bio53
Out3		UGB3
Out41		UGB41
<Catchment to Outflow Node>		DA12A Perv
Out52		Bio52
Out2		UGB2
Out55		UGB55
<Catchment to Outflow Node>		DA12A Imp
Out18		UGB18
Out54		UGB54
Out22		UGB22

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out53	6,503,224	12,050	1.45
Flow (From)	Out3	67,724,321	12,400	1.76
Flow (From)	Out41	2,866,344	12,000	0.88
Flow (From)	DA12A Perv	12,825,690	12,150	2.65
Flow (From)	Out52	7,010,657	12,050	1.68
Flow (From)	Out2	28,951,299	12,000	7.69
Flow (From)	Out55	34,261,805	12,100	4.40
Flow (From)	DA12A Imp	6,485,147	12,000	1.88
Flow (From)	Out18	42,847,054	12,100	10.01
Flow (From)	Out54	5,740,847	12,000	1.74
Flow (From)	Out22	10,603,739	12,400	0.92
Flow (In)	Bio12	225,820,127	12,050	30.36

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio12 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio12'

Upstream Link		Upstream Node
Out53		Bio53
Out3		UGB3
Out41		UGB41
<Catchment to Outflow Node>		DA12A Perv
Out52		Bio52
Out2		UGB2
Out55		UGB55
<Catchment to Outflow Node>		DA12A Imp
Out18		UGB18
Out54		UGB54
Out22		UGB22

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out53	14,350,796	12,050	3.12
Flow (From)	Out3	163,997,883	12,700	11.02
Flow (From)	Out41	5,335,275	12,000	1.48
Flow (From)	DA12A Perv	35,005,235	12,150	7.62
Flow (From)	Out52	15,826,417	12,050	3.59
Flow (From)	Out2	58,323,739	12,000	13.43
Flow (From)	Out55	66,681,241	12,050	11.98
Flow (From)	DA12A Imp	11,315,951	12,000	3.23
Flow (From)	Out18	92,260,391	12,050	23.86
Flow (From)	Out54	10,854,170	12,000	3.18
Flow (From)	Out22	26,219,270	12,050	4.17
Flow (In)	Bio12	500,170,370	12,050	76.28

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio25
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Infiltration Rate	Average
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)	100.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
100.00	0.00	0.000	0.310	0.00	0.00	0.00
100.25	0.00	3,428.974	0.320	0.16	0.16	38.26
100.50	0.00	6,965.196	0.330	0.17	0.17	77.56
100.75	0.00	10,610.318	0.340	0.17	0.17	118.06
101.00	0.00	14,365.992	0.350	0.18	0.18	159.80
101.25	0.00	18,230.715	0.360	0.18	0.18	202.74
101.35	0.00	19,806.601	0.364	0.18	0.18	220.26
101.50	0.03	22,202.865	0.370	0.19	0.22	246.92
101.75	0.12	26,283.915	0.380	0.19	0.32	292.36
102.00	0.17	30,475.338	0.390	0.20	0.37	338.98
102.25	0.77	34,775.780	0.400	0.20	0.97	387.37
102.50	1.83	39,183.794	0.410	0.21	2.04	437.41
102.75	3.19	43,700.708	0.420	0.21	3.40	488.96
103.00	4.79	48,327.850	0.430	0.22	5.01	541.98
103.25	6.60	53,077.054	0.442	0.22	6.83	596.57
103.50	8.60	57,960.510	0.455	0.23	8.83	652.84
103.75	10.77	62,980.092	0.467	0.24	11.01	710.79
104.00	13.10	68,137.670	0.480	0.24	13.35	770.43

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio25 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
100.00	13,503.6	0.00
100.25	13,929.3	0.16
100.50	14,361.6	0.17
100.75	14,800.5	0.17
101.00	15,246.0	0.18
101.25	15,672.8	0.18
101.35	15,845.1	0.18
101.50	16,105.4	0.19
101.75	16,544.0	0.19
102.00	16,988.4	0.20
102.25	17,416.0	0.20
102.50	17,849.0	0.21
102.75	18,287.2	0.21
103.00	18,730.8	0.22
103.25	19,264.1	0.22
103.50	19,804.8	0.23
103.75	20,353.1	0.24
104.00	20,908.8	0.24

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio25 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	100.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	6.58 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.18 ft³/s	Time to Peak (Infiltration)	17.300 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)		101.07 ft
Volume (Peak)		15,417.144 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	23,483.000 ft³	
Volume (Total Infiltration)	22,302.000 ft³	
Volume (Total Outlet Outflow)	0.000 ft³	
Volume (Retained)	1,169.000 ft³	
Volume (Unrouted)	-12.000 ft³	
Error (Mass Balance)	0.1 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio25 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	100.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	11.68 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.19 ft³/s	Time to Peak (Infiltration)	16.900 hours
Flow (Peak Outlet)	0.14 ft³/s	Time to Peak (Flow, Outlet)	16.900 hours

Elevation (Water Surface, Peak)		101.83 ft
Volume (Peak)		27,544.153 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	41,159.000 ft³	
Volume (Total Infiltration)	26,435.000 ft³	
Volume (Total Outlet Outflow)	6,025.000 ft³	
Volume (Retained)	8,686.000 ft³	
Volume (Unrouted)	-14.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio25 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	100.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	23.16 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.21 ft³/s	Time to Peak (Infiltration)	12.700 hours
Flow (Peak Outlet)	2.89 ft³/s	Time to Peak (Flow, Outlet)	12.700 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	102.69 ft
Volume (Peak)	42,679.187 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	81,252.000 ft³
Volume (Total Infiltration)	28,709.000 ft³
Volume (Total Outlet Outflow)	41,090.000 ft³
Volume (Retained)	11,443.000 ft³
Volume (Unrouted)	-10.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio25 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio25'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA25 Perv
<Catchment to Outflow Node>	DA25 Imp

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA25 Perv	2,838.927	12.050	0.67
Flow (From)	DA25 Imp	20,644.433	12.000	5.96
Flow (In)	Bio25	23,483.360	12.000	6.58

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio25 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio25'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA25 Perv	
<Catchment to Outflow Node>		DA25 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA25 Perv	8,008.628	12.000	2.36
Flow (From)	DA25 Imp	33,150.048	12.000	9.32
Flow (In)	Bio25	41,158.676	12.000	11.68

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio25 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio25'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA25 Perv	
<Catchment to Outflow Node>		DA25 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA25 Perv	22,266.500	12.000	7.01
Flow (From)	DA25 Imp	58,985.769	12.000	16.15
Flow (In)	Bio25	81,252.269	12.000	23.16

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio26
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Infiltration Rate	Average
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)	97.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
97.00	0.00	0.000	0.100	0.00	0.00	0.00
97.25	0.00	1,151.333	0.112	0.06	0.06	12.85
97.50	0.00	2,431.915	0.124	0.06	0.06	27.08
97.75	0.00	3,848.622	0.137	0.07	0.07	42.83
97.80	0.00	4,148.903	0.139	0.07	0.07	46.17
98.00	0.27	5,408.330	0.150	0.08	0.34	60.44
98.25	0.91	7,093.601	0.160	0.08	0.99	79.80
98.50	1.76	8,884.559	0.169	0.09	1.84	100.56
98.75	3.34	10,784.416	0.180	0.09	3.43	123.26
99.00	5.53	12,796.388	0.190	0.10	5.63	147.81
99.25	8.16	14,905.078	0.197	0.10	8.26	173.87
99.50	11.15	17,093.948	0.205	0.10	11.25	201.19
99.75	14.46	19,364.493	0.212	0.11	14.57	229.73
100.00	18.06	21,718.208	0.220	0.11	18.17	259.48

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio26 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
97.00	4,356.0	0.00
97.25	4,859.2	0.06
97.50	5,390.0	0.06
97.75	5,948.2	0.07
97.80	6,063.2	0.07
98.00	6,534.0	0.08
98.25	6,950.3	0.08
98.50	7,379.5	0.09
98.75	7,821.5	0.09
99.00	8,276.4	0.10
99.25	8,594.1	0.10
99.50	8,917.8	0.10
99.75	9,247.5	0.11
100.00	9,583.2	0.11

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio26 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	97.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	7.08 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.09 ft³/s	Time to Peak (Infiltration)	12.200 hours
Flow (Peak Outlet)	2.54 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)		98.62 ft
Volume (Peak)		9.805.096 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	24,402.000 ft³	
Volume (Total Infiltration)	8,582.000 ft³	
Volume (Total Outlet Outflow)	15,648.000 ft³	
Volume (Retained)	165.000 ft³	
Volume (Unrouted)	-8.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio26 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	97.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	11.25 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.10 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	5.74 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)		99.02 ft
Volume (Peak)		12.955.341 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	39,983.000 ft³	
Volume (Total Infiltration)	9,308.000 ft³	
Volume (Total Outlet Outflow)	30,478.000 ft³	
Volume (Retained)	187.000 ft³	
Volume (Unrouted)	-9.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio26 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	97.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	18.90 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.10 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	11.35 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)		99.52 ft
Volume (Peak)	17,229.418 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	72,535.000 ft³	
Volume (Total Infiltration)	10,170.000 ft³	
Volume (Total Outlet Outflow)	62,137.000 ft³	
Volume (Retained)	218.000 ft³	
Volume (Unrouted)	-10.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio26 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio26'

Out27	Upstream Link	Upstream Node
<Catchment to Outflow Node>		
<Catchment to Outflow Node>		
	UGB27	
	DA26 Imp	
	DA26 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out27	5,913.693	12.050	1.72
Flow (From)	DA26 Imp	18,277.581	12.000	5.37
Flow (From)	DA26 Perv	210.947	12.000	0.05
Flow (In)	Bio26	24,402.221	12.000	7.08

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio26 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio26'

Upstream Link		Upstream Node	
Out27		UGB27	
<Catchment to Outflow Node>		DA26 Imp	
<Catchment to Outflow Node>		DA26 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out27	10,743,512	12.050	2.80
Flow (From)	DA26 Imp	28,643,977	12.000	8.26
Flow (From)	DA26 Perv	595,109	12.000	0.19
Flow (In)	Bio26	39,982,597	12.000	11.25

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio26 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio26'

Upstream Link		Upstream Node	
Out27		UGB27	
<Catchment to Outflow Node>		DA26 Imp	
<Catchment to Outflow Node>		DA26 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out27	20,899,409	12.050	4.27
Flow (From)	DA26 Imp	49,980,907	12.000	14.18
Flow (From)	DA26 Perv	1,654,664	12.000	0.56
Flow (In)	Bio26	72,534,980	12.000	18.90

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio28
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.00 ft ³ /s
Initial Conditions	
Elevation (Water Surface, Initial)	
91.00 ft	
Volume (Initial)	
0.000 ft ³	
Flow (Initial Outlet)	
0.00 ft ³ /s	
Flow (Initial Infiltration)	
0.00 ft ³ /s	
Flow (Initial, Total)	
0.00 ft ³ /s	
Time Increment	
0.050 hours	

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
91.00	0.00	0.000	0.095	0.00	0.00	0.00
91.05	0.00	207.698	0.096	1.00	1.00	3.31
91.10	0.00	416.975	0.096	1.00	1.00	5.63
91.15	0.00	627.838	0.097	1.00	1.00	7.98
91.20	0.00	840.293	0.098	1.00	1.00	10.34
91.25	0.00	1,054.345	0.099	1.00	1.00	12.71
91.30	0.00	1,270.001	0.099	1.00	1.00	15.11
91.35	0.00	1,487.267	0.100	1.00	1.00	17.53
91.40	0.00	1,706.148	0.101	1.00	1.00	19.96
91.45	0.00	1,926.650	0.102	1.00	1.00	22.41
91.50	0.00	2,148.780	0.102	1.00	1.00	24.88
91.55	0.04	2,372.544	0.103	1.00	1.04	27.40
91.60	0.12	2,597.947	0.104	1.00	1.12	29.98
91.65	0.22	2,824.995	0.105	1.00	1.22	32.61
91.70	0.34	3,053.695	0.105	1.00	1.34	35.27
91.75	0.47	3,284.053	0.106	1.00	1.47	37.96
91.80	0.62	3,516.073	0.107	1.00	1.62	40.68
91.85	0.78	3,749.764	0.108	1.00	1.78	43.44
91.90	0.95	3,985.129	0.108	1.00	1.95	46.23
91.95	1.13	4,222.176	0.109	1.00	2.13	49.05
92.00	1.33	4,460.911	0.110	1.00	2.33	51.89
92.05	1.53	4,701.282	0.111	1.00	2.53	54.77
92.10	1.74	4,943.240	0.111	1.00	2.74	57.67
92.15	1.97	5,186.790	0.112	1.00	2.97	60.60
92.20	2.20	5,431.937	0.113	1.00	3.20	63.55
92.25	2.44	5,678.686	0.114	1.00	3.44	66.53
92.30	2.68	5,927.042	0.114	1.00	3.68	69.54
92.35	2.93	6,177.011	0.115	1.00	3.93	72.56

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Page 62 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio28
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
92.40	3.18	6,428.598	0.116	1.00	4.18	75.61
92.45	3.44	6,681.808	0.117	1.00	4.44	78.68
92.50	3.70	6,936.646	0.117	1.00	4.70	81.77
92.55	3.97	7,193.118	0.118	1.00	4.97	84.89
92.60	4.24	7,451.228	0.119	1.00	5.24	88.03
92.65	4.52	7,710.982	0.120	1.00	5.52	91.20
92.70	4.80	7,972.386	0.120	1.00	5.80	94.38
92.75	5.09	8,235.444	0.121	1.00	6.09	97.60
92.80	5.39	8,500.161	0.122	1.00	6.39	100.83
92.85	5.68	8,766.544	0.123	1.00	6.68	104.09
92.90	5.99	9,034.596	0.123	1.00	6.99	107.37
92.95	6.30	9,304.323	0.124	1.00	7.30	110.68
93.00	6.61	9,575.731	0.125	1.00	7.61	114.01
93.05	6.93	9,848.879	0.126	1.00	7.93	117.36
93.10	7.25	10,123.824	0.127	1.00	8.25	120.74
93.15	7.58	10,400.573	0.127	1.00	8.58	124.14
93.20	7.91	10,679.133	0.128	1.00	8.91	127.57
93.25	8.25	10,959.508	0.129	1.00	9.25	131.02
93.30	8.59	11,241.705	0.130	1.00	9.59	134.50
93.35	8.94	11,525.730	0.131	1.00	9.94	138.00
93.40	9.32	11,811.589	0.132	1.00	10.32	141.56
93.45	9.64	12,099.287	0.133	1.00	10.64	145.07
93.50	10.00	12,388.830	0.133	1.00	11.00	148.65
93.55	10.36	12,680.225	0.134	1.00	11.36	152.25
93.60	10.72	12,973.476	0.135	1.00	11.72	155.87
93.65	11.09	13,268.591	0.136	1.00	12.09	159.52
93.70	11.46	13,565.575	0.137	1.00	12.46	163.19
93.75	11.84	13,864.434	0.138	1.00	12.84	166.89
93.80	12.22	14,165.174	0.139	1.00	13.22	170.61
93.85	12.60	14,467.800	0.139	1.00	13.60	174.35
93.90	12.98	14,772.319	0.140	1.00	13.98	178.12
93.95	13.37	15,078.737	0.141	1.00	14.37	181.91
94.00	13.76	15,387.058	0.142	1.00	14.76	185.73
94.05	14.15	15,697.286	0.143	1.00	15.15	189.57
94.10	14.55	16,009.422	0.144	1.00	15.55	193.43
94.15	14.95	16,323.470	0.145	1.00	15.95	197.32
94.20	15.35	16,639.439	0.146	1.00	16.35	201.23
94.25	15.75	16,957.332	0.146	1.00	16.75	205.16
94.30	16.15	17,277.156	0.147	1.00	17.15	209.12
94.35	16.56	17,598.917	0.148	1.00	17.56	213.10
94.40	16.96	17,922.621	0.149	1.00	17.96	217.10
94.45	17.36	18,246.273	0.150	1.00	18.36	221.12
94.50	17.77	18,575.879	0.151	1.00	18.77	225.16

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Page 63 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio28
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	25t + O (ft ³ /s)
94.55	18.16	18,905.446	0.152	1.00	19.16	229.22
94.60	18.59	19,236.979	0.153	1.00	19.59	233.33
94.65	18.98	19,570.484	0.154	1.00	19.98	237.43
94.70	19.37	19,905.966	0.154	1.00	20.37	241.55
94.75	19.72	20,243.432	0.155	1.00	20.72	245.65
94.80	19.92	20,582.887	0.156	1.00	20.92	249.62
94.85	20.44	20,924.338	0.157	1.00	21.44	253.93
94.90	20.96	21,267.790	0.158	1.00	21.96	258.27
94.95	21.49	21,613.249	0.159	1.00	22.49	262.64
95.00	22.02	21,960.720	0.160	1.00	23.02	267.03

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio28 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Constant	
Infiltration Rate (Constant)	1.00 ft ³ /s	
Initial Conditions		
Elevation (Water Surface, Initial)	91.00 ft	
Volume (Initial)	0.000 ft ³	
Flow (Initial Outlet)	0.00 ft ³ /s	
Flow (Initial Infiltration)	0.00 ft ³ /s	
Flow (Initial, Total)	0.00 ft ³ /s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	6.55 ft ³ /s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.00 ft ³ /s	Time to Peak (Infiltration)	11.550 hours
Flow (Peak Outlet)	1.16 ft ³ /s	Time to Peak (Flow, Outlet)	12.200 hours
Elevation (Water Surface, Peak)	91.96 ft		
Volume (Peak)	4,253.517 ft ³		
Mass Balance (ft ³)			
Volume (Initial)	0.000 ft ³		
Volume (Total Inflow)	22,430.000 ft ³		
Volume (Total Infiltration)	19,850.000 ft ³		
Volume (Total Outlet Outflow)	2,580.000 ft ³		
Volume (Retained)	0.000 ft ³		
Volume (Unrouted)	0.000 ft ³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio28 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.00 ft³/s
Initial Conditions	
Elevation (Water Surface, Initial)	91.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	10.80 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.00 ft³/s	Time to Peak (Infiltration)	11.150 hours
Flow (Peak Outlet)	3.92 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)		92.54 ft
Volume (Peak)		7,148.179 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	38,498.000 ft³	
Volume (Total Infiltration)	28,507.000 ft³	
Volume (Total Outlet Outflow)	9,991.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio28 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	1.00 ft³/s
Initial Conditions	
Elevation (Water Surface, Initial)	91.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	19.96 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	1.00 ft³/s	Time to Peak (Infiltration)	10.450 hours
Flow (Peak Outlet)	10.29 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)		93.54 ft
Volume (Peak)		12,624.336 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	74,145.000 ft³	
Volume (Total Infiltration)	43,325.000 ft³	
Volume (Total Outlet Outflow)	30,821.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio28 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio28'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA28 Imp	BIO29
Out29			DA28 Perv
<Catchment to Outflow Node>			

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA28 Imp	9,981,894	12.000	3.15
Flow (From)	Out29	10,894,216	12.000	3.28
Flow (From)	DA28 Perv	1,553,886	12.150	0.26
Flow (In)	Bio28	22,429,995	12.000	6.55

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio28 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio28'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA28 Imp	BIO29
Out29			DA28 Perv
<Catchment to Outflow Node>			

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA28 Imp	15,834,496	12.000	4.87
Flow (From)	Out29	18,280,553	12.000	5.29
Flow (From)	DA28 Perv	4,383,209	12.100	0.95
Flow (In)	Bio28	38,498,258	12.000	10.80

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio28 (In)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio28'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA28 Imp	BIO29
Out29			
<Catchment to Outflow Node>		DA28 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA28 Imp	27,899,868	12.000	8.39
Flow (From)	Out29	34,059,425	12.000	9.48
Flow (From)	DA28 Perv	12,186,145	12.100	2.85
Flow (In)	Bio28	74,145,437	12.000	19.96

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: BIO29
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	
93.00 ft	
Volume (Initial)	
0.000 ft³	
Flow (Initial Outlet)	
0.00 ft³/s	
Flow (Initial Infiltration)	
0.00 ft³/s	
Flow (Initial, Total)	
0.00 ft³/s	
Time Increment	
0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
93.00	0.00	0.000	0.005	0.00	0.00	0.00
93.20	0.00	49.689	0.006	0.00	0.00	0.56
93.40	0.00	112.690	0.008	0.00	0.00	1.26
93.60	0.00	190.583	0.010	0.00	0.00	2.12
93.80	0.00	284.947	0.012	0.01	0.01	3.17
94.00	0.00	397.363	0.014	0.01	0.01	4.42
94.20	0.40	527.032	0.016	0.01	0.41	6.27
94.40	1.14	672.724	0.018	0.01	1.15	8.62
94.60	2.09	835.374	0.020	0.01	2.10	11.38
94.80	3.22	1,015.914	0.022	0.01	3.23	14.52
95.00	4.50	1,215.279	0.024	0.01	4.51	18.02
95.20	5.92	1,433.906	0.026	0.01	5.93	21.86
95.40	7.45	1,672.175	0.029	0.01	7.47	26.05
95.60	9.11	1,930.930	0.031	0.02	9.12	30.58
95.80	10.87	2,211.016	0.033	0.02	10.88	35.45
95.90	11.79	2,359.322	0.035	0.02	11.80	38.02
96.00	13.23	2,513.278	0.036	0.02	13.25	41.17

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: BIO29 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
93.00	217.8	0.00
93.20	280.4	0.00
93.40	350.9	0.00
93.60	429.3	0.00
93.80	515.6	0.01
94.00	609.8	0.01
94.20	687.6	0.01
94.40	770.1	0.01
94.60	857.2	0.01
94.80	949.0	0.01
95.00	1,045.4	0.01
95.20	1,141.5	0.01
95.40	1,241.9	0.01
95.60	1,346.4	0.02
95.80	1,455.2	0.02
95.90	1,511.1	0.02
96.00	1,568.2	0.02

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: BIO29 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	0.5900 m/h		
Initial Conditions			
Elevation (Water Surface, Initial)	93.00 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.70 ft³/s	T	
Infiltration (Peak)	0.01 ft³/s	T	
Flow (Peak Outlet)	3.28 ft³/s	T	
Elevation (Water Surface, Peak)	94.81 ft		
Volume (Peak)	1,024,803 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	11,826,000 ft³		
Volume (Total Infiltration)	916,000 ft³		
Volume (Total Outlet Outflow)	10,894,000 ft³		
Volume (Retained)	15,000 ft³		
Volume (Unrouted)	-1,000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: BIO29 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	93.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	5.93 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.01 ft³/s	Time to Peak (Infiltration)	12.000 hours
Flow (Peak Outlet)	5.29 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)		95.11 ft
Volume (Peak)		1,335,144 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	19,258,000 ft³	
Volume (Total Infiltration)	961,000 ft³	
Volume (Total Outlet Outflow)	18,281,000 ft³	
Volume (Retained)	15,000 ft³	
Volume (Unrouted)	-1,000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: BIO29 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	93.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	10.65 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.02 ft³/s	Time to Peak (Infiltration)	12.000 hours
Flow (Peak Outlet)	9.48 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)		95.64 ft
Volume (Peak)		1,988,958 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	35,089,000 ft³	
Volume (Total Infiltration)	1,013,000 ft³	
Volume (Total Outlet Outflow)	34,059,000 ft³	
Volume (Retained)	16,000 ft³	
Volume (Unrouted)	-1,000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: BIO29 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'BIO29'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA29 Perv	
<Catchment to Outflow Node>		DA29 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA29 Perv	402.772	12.000	0.10
Flow (From)	DA29 Imp	11,423.525	12.000	3.60
Flow (In)	BIO29	11,826.298	12.000	3.70

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: BIO29 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'BIO29'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA29 Perv	
<Catchment to Outflow Node>		DA29 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA29 Perv	1,136.247	12.000	0.36
Flow (From)	DA29 Imp	18,121.532	12.000	5.57
Flow (In)	BIO29	19,257.779	12.000	5.93

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: BIO29 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'BIO29'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA29 Perv	
<Catchment to Outflow Node>		DA29 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (Front)	DA29 Perv	3,159,190	12,000	1.06
Flow (Front)	DA29 Imp	31,929,708	12,000	9.60
Flow (In)	BIO29	35,088,898	12,000	10.65

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio35 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
103.40	3,920.4	0.00
103.65	4,272.8	0.05
103.90	4,640.3	0.05
104.15	4,917.6	0.06
104.40	5,131.4	0.06
104.65	5,349.6	0.06
104.90	5,572.4	0.06
105.15	5,850.2	0.07
105.40	6,169.3	0.07
105.65	6,496.8	0.08
105.75	6,630.2	0.08
105.90	6,832.8	0.08
106.15	7,158.5	0.08
106.40	7,478.9	0.09
106.65	7,806.3	0.09
106.90	8,140.7	0.09
107.15	8,466.3	0.10
107.40	8,787.6	0.10
107.65	9,114.9	0.11
107.90	9,448.2	0.11
108.00	9,583.2	0.11

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio35
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 0.5000 in/h
Infiltration Rate (Average)	
Initial Conditions	
Elevation (Starting Water Surface Computed)	103.40 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
17.850	104.93
	7,471.000
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.000	1.06
17.850	0.00
17.850	0.39
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
	0.000
	0.000
	0.000

Total Volume In	
Volume (ft ³)	Direction
30,202.000	Forward
0.000	Reverse
0.000	Reverse
0.000	Forward
Total Volume Out	
Volume (ft ³)	Direction
0.000 ft ³	
30,202.000 ft ³	
28,924.000 ft ³	
1,276.000 ft ³	
103.69 ft	
2.000 ft ³	
0.0 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio35
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 0.5000 in/h
Infiltration Rate (Average)	
Initial Conditions	
Elevation (Starting Water Surface Computed)	103.40 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
15.250	105.91
	13,562.000
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.750	3.07
15.250	0.00
15.250	1.21
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
	0.000
	0.000
	0.000

Total Volume In	
Volume (ft ³)	Direction
72,410.000	Forward
0.000	Reverse
0.000	Reverse
0.000	Forward
Total Volume Out	
Volume (ft ³)	Direction
0.000 ft ³	
72,410.000 ft ³	
69,814.000 ft ³	
2,307.000 ft ³	
103.93 ft	
289.000 ft ³	
0.4 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio35
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	103.40
Volume (Starting)	0.000
Infiltration (Starting ICPM)	0.00
Outflow (Starting)	0.00
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050
	hours
	hours

		Maximum Storage	
Time to Peak (hours)	Elevation (ft)	Volume (ft³)	
12.700	106.66	19,193.000	
		Forward Flow Peaks	Reverse Flow Peaks
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.000	11.49	0.000
Infiltration...	12.700	0.00	0.000
Pond Outflow...	12.700	9.14	0.000
		Total Volume In	Total Volume Out
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	152,269.000	Forward	0.000
Infiltration...	0.000	Reverse	9,891.000
Pond Outflow...	0.000	Reverse	140,002.000
Mass Balance (ft³)			
Volume (Initial ICPM)		0.000	ft³
Volume (Total In ICPM)		152,269.000	ft³
Volume (Total Out ICPM)		149,893.000	ft³
Volume (Ending)		2,438.000	ft³
Elevation (Ending)		103.96	ft
Difference		-62.000	ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0	%

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio36
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
98.00	0.00	0.000	0.017	0.00	0.00	0.00
98.25	0.00	196.301	0.019	0.00	0.00	2.18
98.50	0.00	415.808	0.021	0.00	0.00	4.62
98.75	0.00	659.817	0.024	0.00	0.00	7.33
99.00	0.38	929.626	0.026	0.00	0.38	10.70
99.25	1.06	1,224.259	0.028	0.00	1.06	14.66
99.50	1.95	1,542.467	0.030	0.00	1.95	19.09
99.75	3.00	1,885.217	0.033	0.00	3.00	23.95
100.00	4.19	2,253.359	0.035	0.00	4.19	29.23
100.25	5.51	2,648.631	0.038	0.00	5.51	34.94
100.50	6.95	3,072.830	0.040	0.00	6.95	41.09
100.75	8.49	3,526.976	0.043	0.00	8.49	47.67
101.00	10.13	4,012.091	0.046	0.00	10.13	54.70
101.25	11.86	4,532.251	0.050	0.00	11.86	62.22
101.50	13.68	5,091.810	0.053	0.00	13.68	70.26
101.75	15.59	5,692.207	0.057	0.00	15.59	78.84
102.00	17.58	6,334.880	0.061	0.00	17.58	87.96

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio36 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.64 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.84 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	99.47 ft
Volume (Peak)	1,504.103 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	8,198.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,538.000 ft³
Volume (Retained)	660.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio36 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.86 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.61 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	99.88 ft
Volume (Peak)	2,069.870 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	14,781.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	14,121.000 ft³
Volume (Retained)	660.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio36 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	9.81 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	7.58 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	100.60 ft
Volume (Peak)	3,257,345 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	29,847,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	29,187,000 ft³
Volume (Retained)	660,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio36 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio36'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA36 Perv
<Catchment to Outflow Node>	DA36 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA36 Perv	2,334,271	12.000	0.84
Flow (From)	DA36 Imp	5,863,631	12.000	1.80
Flow (In)	Bio36	8,197,903	12.000	2.64

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio36 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio36'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA36 Perv	
<Catchment to Outflow Node>		DA36 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA36 Perv	5,591,827	12,000	2.08
Flow (From)	DA36 Imp	9,188,828	12,000	2.78
Flow (In)	Bio36	14,780,655	12,000	4.86

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio36 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio36'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA36 Perv	
<Catchment to Outflow Node>		DA36 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA36 Perv	13,813,587	12,000	5.05
Flow (From)	DA36 Imp	16,033,110	12,000	4.76
Flow (In)	Bio36	29,846,697	12,000	9.81

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio45
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	96.50 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
	hours

Time to Peak		Maximum Storage	
Peak (hours)	Elevation (ft)	Volume (ft ³)	
13.550	98.42	26,406.000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.000	10.88	0.000	0.00
13.550	2.32	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
77,961.000	Forward	0.000	Reverse
0.000	Reverse	70,083.000	Forward

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	77,961.000 ft ³
Volume (Total Out ICPM)	70,083.000 ft ³
Volume (Ending)	7,878.000 ft ³
Elevation (Ending)	97.11 ft
Difference	1.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio45
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	96.50 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
	hours

Time to Peak		Maximum Storage	
Peak (hours)	Elevation (ft)	Volume (ft ³)	
12.500	99.16	37,937.000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.000	20.88	0.000	0.00
12.500	9.19	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
150,782.000	Forward	0.000	Reverse
0.000	Reverse	142,808.000	Forward

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	150,782.000 ft ³
Volume (Total Out ICPM)	142,808.000 ft ³
Volume (Ending)	7,969.000 ft ³
Elevation (Ending)	97.12 ft
Difference	6.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary

Return Event: 100 years

Label: Bio45

Storm Event: 100yr current

Scenario: 100YR

Infiltration			
Infiltration Method (Computed)	No Infiltration		
Initial Conditions			
Elevation (Starting Water Surface Computed)	96.50 ft	Flow Tolerance (Minimum)	0.000 ft ³ /s
Volume (Starting)	0.000 ft ³	Maximum Iterations	35
outflow (Starting)	0.00 ft ³ /s	ICPM Time Step	0.020 hours

Time to Peak (hours)	12.150	99.99	52,126,000
Maximum Storage Elevation (ft)			
Volume (ft ³)			

	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.000	44.99	0.000	0.000
Pond Outflow....	12.150	32.40	0.000	0.000
	Total Volume In		Total Volume Out	
	Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	312,120.000	Forward	0.000	Reverse
Pond Outflow....	0.000	Reverse	304,071.000	Forward

	Total Volume In		Total Volume Out	
	Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow...	312,120.000	Forward	0.000	Reverse
Pond Outflow...	0.000	Reverse	304,071.000	Forward

Volume (Initial ICPM)	0.000 R ³
Volume (Total In ICPM)	312,120,000 R ³
Volume (Total Out ICPM)	304,071,000 R ³
Volume (Ending)	8,049,000 R ³
Elevation (Ending)	97.13 ft
Difference	0.000 R ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)

Return Event: 100 years

Label: Bio51

Storm Event: 100yr current

Scenario: 100YR

Infiltration	Infiltration Method (Computed)	Average Infiltration Rate
	Infiltration Rate (Average)	0.8000 m/h
Initial Conditions		
	Elevation (Water Surface, Initial)	102.00 ft
	Volume (Initial)	0.000 ft³
	Flow (Initial Outlet)	0.00 ft³/s
	Flow (Initial Infiltration)	0.00 ft³/s
	Flow (Initial, Total)	0.00 ft³/s
	Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	25'(t + o) (ft ³ /s)
102.00	0.00	0.000	0.060	0.00	0.00	0.00
102.25	0.00	678.996	0.065	0.05	0.05	7.60
102.50	0.00	1,410.488	0.070	0.06	0.06	15.73
102.75	0.00	2,196.429	0.075	0.06	0.06	24.47
103.00	0.00	3,038.775	0.080	0.06	0.06	33.83
103.25	0.56	3,928.393	0.083	0.07	0.63	44.28
103.50	1.59	4,855.357	0.087	0.07	1.66	55.61
103.75	2.92	5,820.437	0.090	0.07	3.00	67.67
104.00	4.50	6,824.400	0.094	0.08	4.58	80.40
104.25	6.29	7,869.127	0.098	0.08	6.37	93.80
104.50	8.27	8,956.558	0.102	0.08	8.35	107.87
104.75	10.42	10,087.550	0.106	0.09	10.50	122.59
105.00	12.73	11,262.957	0.110	0.09	12.82	137.96
105.25	15.19	12,499.645	0.117	0.09	15.28	154.17
105.50	17.52	13,815.549	0.125	0.10	17.89	171.39
105.75	20.59	15,213.129	0.132	0.11	20.63	189.66
106.00	23.38	16,694.842	0.140	0.11	23.50	208.99
106.25	26.37	18,246.354	0.145	0.12	26.48	229.22
106.50	29.47	19,852.316	0.150	0.12	29.59	250.17

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio51 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
102.00	2,613.6	0.00
102.25	2,819.7	0.05
102.50	3,033.6	0.06
102.75	3,255.3	0.06
103.00	3,484.8	0.06
103.25	3,632.7	0.07
103.50	3,783.6	0.07
103.75	3,937.6	0.07
104.00	4,094.6	0.08
104.25	4,263.7	0.08
104.50	4,436.3	0.08
104.75	4,612.2	0.09
105.00	4,791.6	0.09
105.25	5,103.5	0.09
105.50	5,425.3	0.10
105.75	5,756.9	0.11
106.00	6,098.4	0.11
106.25	6,314.3	0.12
106.50	6,534.0	0.12

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio51 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.89000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	102.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.48 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.07 ft³/s	Time to Peak (Infiltration)	12.450 hours
Flow (Peak Outlet)	0.43 ft³/s	Time to Peak (Flow, Outlet)	12.450 hours

Elevation (Water Surface, Peak)	103.19 ft
Volume (Peak)	3,716.485 ft³

Mass Balance (ft³)

Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,099,000 ft³
Volume (Total Infiltration)	6,418,000 ft³
Volume (Total Outlet Outflow)	2,667,000 ft³
Volume (Retained)	14,000 ft³
Volume (Unrouted)	-1,000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio51 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.8000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	102.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.64 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.07 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	2.23 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	103.62 ft
Volume (Peak)	5,317.031 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	16,721.000 ft³
Volume (Total Infiltration)	7,137.000 ft³
Volume (Total Outlet Outflow)	9,563.000 ft³
Volume (Retained)	19.000 ft³
Volume (Unrouted)	-1.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio51 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.8000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	102.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	9.68 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.08 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	6.21 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	104.24 ft
Volume (Peak)	7,824,223 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	34,819,000 ft³
Volume (Total Infiltration)	7,765,000 ft³
Volume (Total Outlet Outflow)	27,031,000 ft³
Volume (Retained)	21,000 ft³
Volume (Unrouted)	-1,000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio51 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio51'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA51 Perv	
<Catchment to Outflow Node>		DA51 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA51 Perv	2,087,528	12.050	0.47
Flow (From)	DA51 Imp	7,011,713	12.000	2.12
Flow (In)	Bio51	9,099,241	12.000	2.48

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio51 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio51'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA51 Perv	
<Catchment to Outflow Node>		DA51 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA51 Perv	5,732,188	12.050	1.60
Flow (From)	DA51 Imp	10,988,580	12.000	3.27
Flow (In)	Bio51	16,720,769	12.000	4.64

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio51 (In)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio51'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA51 Perv	
<Catchment to Outflow Node>		DA51 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA51 Perv	15,644,574	12.050	4.57
Flow (From)	DA51 Imp	19,174,066	12.000	5.61
Flow (In)	Bio51	34,818,640	12.000	9.68

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio52
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	100.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
100.10	0.00	0.000	0.029	0.00	0.00	0.00
100.35	0.00	331.360	0.032	0.02	0.02	3.70
100.60	0.00	694.809	0.035	0.02	0.02	7.74
100.62	0.00	725.315	0.035	0.02	0.02	8.08
100.85	0.33	1,091.829	0.038	0.02	0.35	12.48
101.10	1.00	1,524.037	0.041	0.02	1.02	17.95
101.35	1.87	1,994.195	0.045	0.02	1.89	24.05
101.60	2.91	2,504.218	0.049	0.02	2.94	30.76
101.85	4.09	3,055.727	0.053	0.03	4.12	38.07
102.10	5.40	3,649.884	0.056	0.03	5.43	45.98
102.35	6.83	4,283.924	0.060	0.03	6.86	54.46
102.60	8.36	4,958.063	0.064	0.03	8.39	63.48
102.85	9.99	5,673.532	0.068	0.03	10.02	73.06
103.10	11.72	6,431.400	0.072	0.04	11.75	83.21
103.35	13.53	7,231.389	0.075	0.04	13.57	93.92
103.60	15.43	8,074.265	0.079	0.04	15.47	105.19
103.85	17.42	8,961.150	0.083	0.04	17.46	117.03
104.10	19.48	9,894.413	0.088	0.04	19.52	129.46
104.35	21.61	10,887.042	0.094	0.05	21.66	142.63
104.60	23.82	11,943.806	0.100	0.05	23.87	156.98
104.85	26.10	13,066.714	0.106	0.05	26.15	171.34
105.00	27.50	13,773.042	0.110	0.06	27.56	180.59

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio52 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
100.10	1,263.2	0.00
100.35	1,388.6	0.02
100.60	1,519.9	0.02
100.62	1,530.7	0.02
100.85	1,657.2	0.02
101.10	1,803.1	0.02
101.35	1,959.3	0.02
101.60	2,122.0	0.02
101.85	2,291.2	0.03
102.10	2,457.6	0.03
102.35	2,615.5	0.03
102.60	2,778.4	0.03
102.85	2,946.2	0.03
103.10	3,115.7	0.04
103.35	3,285.0	0.04
103.60	3,458.8	0.04
103.85	3,637.0	0.04
104.10	3,844.9	0.04
104.35	4,097.4	0.05
104.60	4,358.0	0.05
104.85	4,626.6	0.05
105.00	4,791.6	0.06

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio52 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
	0.5900 m/h		
Initial Conditions			
Elevation (Water Surface, Initial)	100.10 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.50 ft³/s		
Infiltration (Peak)	0.02 ft³/s		
Flow (Peak Outlet)	0.86 ft³/s		
Elevation (Water Surface, Peak)	101.05 ft		
Volume (Peak)	1,429,424 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	5,074,000 ft³		
Volume (Total Infiltration)	1,801,000 ft³		
Volume (Total Outlet Outflow)	3,258,000 ft³		
Volume (Retained)	15,000 ft³		
Volume (Unrouted)	-1,000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: Bio52 (IN)

Scenario: 10YR

Return Event: 10 years

Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	100.10 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.66 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.02 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	1.68 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		101.29 ft
Volume (Peak)		1,887.347 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	8,972.000 ft³	
Volume (Total Infiltration)	1,946.000 ft³	
Volume (Total Outlet Outflow)	7,011.000 ft³	
Volume (Retained)	15.000 ft³	
Volume (Unrouted)	-1.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: Bio52 (IN)

Scenario: 100YR

Return Event: 100 years

Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	0.5000 in/h
Infiltration Rate (Average)		
Initial Conditions		
Elevation (Water Surface, Initial)	100.10 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	5.29 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	3.59 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		101.74 ft
Volume (Peak)		2,814.086 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	17,958.000 ft³	
Volume (Total Infiltration)	2,115.000 ft³	
Volume (Total Outlet Outflow)	15,826.000 ft³	
Volume (Retained)	16.000 ft³	
Volume (Unrouted)	-1.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio52 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio52'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA52 Perv	
<Catchment to Outflow Node>		DA52 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA52 Perv	748.205	12.050	0.17
Flow (From)	DA52 Imp	4,325.853	12.000	1.37
Flow (In)	Bio52	5,074.058	12.000	1.50

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio52 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio52'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA52 Perv	
<Catchment to Outflow Node>		DA52 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA52 Perv	2,110.445	12.050	0.60
Flow (From)	DA52 Imp	6,861.996	12.000	2.11
Flow (In)	Bio52	8,972.442	12.000	2.66

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio52 (In)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio52'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA52 Perv	
<Catchment to Outflow Node>		DA52 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA52 Perv	5,867,281	12.050	1.73
Flow (From)	DA52 Imp	12,090,397	12.000	3.64
Flow (In)	Bio52	17,957,678	12.000	5.29

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio53
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
104.50	0.00	0.000	0.014	0.00	0.00	0.00
104.75	0.00	181.786	0.020	0.00	0.00	2.02
105.00	0.00	428.912	0.026	0.00	0.00	4.77
105.25	0.00	729.406	0.029	0.00	0.00	8.10
105.45	0.00	995.673	0.032	0.00	0.00	11.06
105.50	0.03	1,065.970	0.033	0.00	0.03	11.88
105.75	0.49	1,440.649	0.036	0.00	0.49	16.50
106.00	1.22	1,855.488	0.040	0.00	1.22	21.84
106.25	2.15	2,316.021	0.045	0.00	2.15	27.88
106.50	3.23	2,828.254	0.049	0.00	3.23	34.65
106.75	4.45	3,394.937	0.055	0.00	4.45	42.17
107.00	5.79	4,018.820	0.060	0.00	5.79	50.44
107.25	7.24	4,691.690	0.064	0.00	7.24	59.37
107.50	8.81	5,404.260	0.067	0.00	8.81	68.85
107.75	10.46	6,157.668	0.071	0.00	10.46	78.88
108.00	12.22	6,953.051	0.075	0.00	12.22	89.47
108.25	14.06	7,786.908	0.078	0.00	14.06	100.58
108.50	15.98	8,655.451	0.081	0.00	15.98	112.15
108.75	17.98	9,559.387	0.085	0.00	17.98	124.20
109.00	20.07	10,499.421	0.088	0.00	20.07	136.73

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio53 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.24 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.68 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	105.81 ft
Volume (Peak)	1,542.331 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	4,133.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	3,138.000 ft³
Volume (Retained)	996.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio53 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.25 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.45 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	106.06 ft
Volume (Peak)	1,961.585 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,499.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	6,503.000 ft³
Volume (Retained)	996.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio53 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.57 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.12 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	106.48 ft
Volume (Peak)	2,774.921 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,346.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	14,351.000 ft³
Volume (Retained)	996.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio53 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Bio53'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA53 Perv
<Catchment to Outflow Node>	DA53 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA53 Perv	709,742	12.050	0.16
Flow (From)	DA53 Imp	3,423,438	12.000	1.10
Flow (In)	Bio53	4,133,180	12.000	1.24

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio53 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Bio53'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA53 Perv	
<Catchment to Outflow Node>		DA53 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA53 Perv	2,002.016	12.050	0.57
Flow (From)	DA53 Imp	5,496.882	12.000	1.72
Flow (In)	Bio53	7,498.897	12.000	2.25

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Bio53 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Bio53'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA53 Perv	
<Catchment to Outflow Node>		DA53 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA53 Perv	5,565.953	12.050	1.65
Flow (From)	DA53 Imp	9,780.516	12.000	2.98
Flow (In)	Bio53	15,346.470	12.000	4.57

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio58
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	106.40 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak		Maximum Storage	
Peak (hours)		Elevation (ft)	
12.550		107.92	
11.620.000			
Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)		Time to Peak (hours)	
Flow (Peak) (ft ³ /s)		Flow (Peak) (ft ³ /s)	
12.000		6.37	
12.550		1.02	
0.000		0.000	
0.000		0.000	

Total Volume In		Total Volume Out	
Volume (ft ³)		Volume (ft ³)	
Direction		Direction	
Forward		Forward	
Reverse		Reverse	
0.000		17,097.000	
0.000		0.000	
22,512.000		22,512.000	
Pond Inflow....		Pond Inflow....	
Pond Outflow...		Pond Outflow...	
Mass Balance (ft ³)		Mass Balance (ft ³)	
Volume (Initial ICPM)		Volume (Initial ICPM)	
22,512.000 ft ³		0.000 ft ³	
Volume (Total In ICPM)		Volume (Total In ICPM)	
17,097.000 ft ³		22,512.000 ft ³	
Volume (Total Out ICPM)		Volume (Total Out ICPM)	
5,413.000 ft ³		17,097.000 ft ³	
Volume (Ending)		Volume (Ending)	
107.15 ft		107.15 ft	
Elevation (Ending)		Elevation (Ending)	
2.000 ft ³		2.000 ft ³	
Difference		Difference	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		Percent of Inflow Volume (Interconnected Pond Mass Balance)	
0.0 %		0.0 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio58
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	106.40 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak		Maximum Storage	
Peak (hours)		Elevation (ft)	
12.350		108.60	
17.953.000			
Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)		Time to Peak (hours)	
Flow (Peak) (ft ³ /s)		Flow (Peak) (ft ³ /s)	
12.000		10.92	
12.350		2.61	
0.000		0.000	
0.000		0.000	

Total Volume In		Total Volume Out	
Volume (ft ³)		Volume (ft ³)	
Direction		Direction	
Forward		Forward	
Reverse		Reverse	
0.000		34,194.000	
39,614.000		0.000	
Pond Inflow....		Pond Inflow....	
Pond Outflow...		Pond Outflow...	
Mass Balance (ft ³)		Mass Balance (ft ³)	
Volume (Initial ICPM)		Volume (Initial ICPM)	
39,614.000 ft ³		0.000 ft ³	
Volume (Total In ICPM)		Volume (Total In ICPM)	
34,194.000 ft ³		39,614.000 ft ³	
Volume (Total Out ICPM)		Volume (Total Out ICPM)	
5,418.000 ft ³		5,418.000 ft ³	
Volume (Ending)		Volume (Ending)	
107.15 ft		107.15 ft	
Elevation (Ending)		Elevation (Ending)	
2.000 ft ³		2.000 ft ³	
Difference		Difference	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		Percent of Inflow Volume (Interconnected Pond Mass Balance)	
0.0 %		0.0 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio58
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration					
Infiltration Method (Computed)					
Initial Conditions					
Calculation Tolerances					
Elevation (Starting Water Surface Computed)	106.40	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s
Volume (Starting)	0.000	ft ³	Maximum Iterations	35	
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.020	hours

Time to Peak (hours)					
Maximum Storage Elevation (ft)					
Volume (ft ³)					
12.200 109.53 27,644.000					
Forward Flow Peaks					
Time to Peak (hours)					
Flow (Peak) (ft ³ /s)					
Reverse Flow Peaks					
Time to Peak (hours)					
Flow (Peak) (ft ³ /s)					
Pond Inflow....	12.000	20.86	0.000	0.00	
Pond Outflow...	12.200	8.58	0.000	0.00	
Total Volume In					
Volume (ft ³)					
Direction					
Forward					
Pond Inflow....	77,874,000	0.000	0.000	Reverse	
Pond Outflow...	0.000	72,447,000	Forward		
Mass Balance (ft ³)					
Volume (Initial ICPM)					
0.000 ft ³					
Volume (Total In ICPM)					
77,874,000 ft ³					
Volume (Total Out ICPM)					
72,447,000 ft ³					
Volume (Ending)					
5,423,000 ft ³					
Elevation (Ending)					
107.15 ft					
Difference					
4,000 ft ³					
Percent of Inflow Volume (Interconnected Pond Mass Balance)					
0.0 %					

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: EX BASIN 6
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration						
Infiltration Method (Computed)		No Infiltration				
Initial Conditions						
Elevation (Water Surface, Initial)		89.00 ft				
Volume (Initial)		0.000 ft³				
Flow (Initial Outlet)		0.00 ft³/s				
Flow (Initial Infiltration)		0.00 ft³/s				
Flow (Initial, Total)		0.00 ft³/s				
Time Increment		0.050 hours				
Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/t + O (ft³/s)
89.00	0.00	0.000	1.300	0.00	0.00	0.00
89.25	0.00	14,319,122	1.330	0.00	0.00	159.10
89.50	0.00	28,964,943	1.360	0.00	0.00	321.83
89.75	0.00	43,937,518	1.390	0.00	0.00	486.19
90.00	0.00	59,236,793	1.420	0.00	0.00	658.19
90.25	0.08	74,889,639	1.455	0.00	0.08	832.19
90.50	0.14	90,923,636	1.490	0.00	0.14	1,010.41
90.75	0.19	107,312,011	1.520	0.00	0.19	1,192.54
91.00	0.22	124,027,087	1.550	0.00	0.22	1,378.30
91.25	0.25	141,100,242	1.586	0.00	0.25	1,568.03
91.35	0.26	148,038,528	1.600	0.00	0.26	1,645.13
91.50	0.74	158,558,201	1.620	0.00	0.74	1,762.50
91.75	2.33	176,362,360	1.650	0.00	2.33	1,961.91
92.00	4.52	194,493,220	1.680	0.00	4.52	2,165.55
92.25	7.17	212,977,699	1.715	0.00	7.17	2,373.59
92.50	10.23	231,843,327	1.750	0.00	10.23	2,586.27
92.75	13.63	251,090,157	1.785	0.00	13.63	2,803.53
93.00	17.36	270,718,136	1.820	0.00	17.36	3,025.34
93.25	21.37	290,727,312	1.855	0.00	21.37	3,251.67
93.50	25.65	311,117,638	1.890	0.00	25.65	3,482.52
93.75	30.19	331,916,034	1.930	0.00	30.19	3,718.15
94.00	34.98	353,150,029	1.970	0.00	34.98	3,958.87
94.25	39.99	374,792,795	2.005	0.00	39.99	4,204.35
94.50	45.22	396,816,711	2.040	0.00	45.22	4,454.29
94.75	50.66	419,221,814	2.075	0.00	50.66	4,708.68
95.00	56.31	442,008,068	2.110	0.00	56.31	4,967.51

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: EX. BASIN 6 (IN)

Scenario: 2YR

Return Event: 2 years

Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	89.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	32.33 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.36 ft³/s	Time to Peak (Flow, Outlet)	24.050 hours

Elevation (Water Surface, Peak)		91.38 ft
Volume (Peak)		150,189.411 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	161,150.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	32,266.000 ft³	
Volume (Retained)	128,804.000 ft³	
Volume (Unrouted)	-81.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: EX. BASIN 6 (IN)

Scenario: 10YR

Return Event: 10 years

Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	89.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	53.56 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.75 ft³/s	Time to Peak (Flow, Outlet)	14.500 hours

Elevation (Water Surface, Peak)		91.91 ft
Volume (Peak)		188,159.128 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	275,011.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	140,488.000 ft³	
Volume (Retained)	134,433.000 ft³	
Volume (Unrouted)	-89.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: EX. BASIN 6 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	89.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	102.51 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	21.27 ft³/s	Time to Peak (Flow, Outlet)	12.850 hours

Elevation (Water Surface, Peak)		93.24 ft
Volume (Peak)		290,239.118 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	544,631.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	408,117.000 ft³	
Volume (Retained)	136,432.000 ft³	
Volume (Unrouted)	-82.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: EX. BASIN 6 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'EX. BASIN 6'

Upstream Link		Upstream Node
<Catchment to Outflow Node>		PDA-6 Imp (Plainsboro)
Out17		UGB17
Out25		Bk25
<Catchment to Outflow Node>		Future Imp Road-Basin 6 (S Brunswick)
<Catchment to Outflow Node>		PDA-6 PER (Plainsboro)
<Catchment to Outflow Node>		Ex DA-6 Perv (S Brunswick)

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA-6 Imp (Plainsboro)	146,683.022	12.100	30.42
Flow (From)	Out17	1,992.930	17.300	0.06
Flow (From)	Out25	0.000	0.000	0.00
Flow (From)	Future Imp Road-Basin 6 (S Brunswick)	3,448.893	12.000	1.06
Flow (From)	PDA-6 PER (Plainsboro)	3,550.561	12.100	0.72
Flow (From)	Ex DA-6 Perv (S Brunswick)	5,474.651	12.100	0.82
Flow (In)	EX. BASIN 6	161,150.056	12.100	32.33

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: EX. BASIN 6 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'EX. BASIN 6'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA-6 Imp (Plainsboro)	
Out17		UGB17	
Out25		Bk25	
<Catchment to Outflow Node>		Future Imp Road-Basin 6 (S Brunswick)	
<Catchment to Outflow Node>		PDA-6 PER (Plainsboro)	
<Catchment to Outflow Node>		Ex DA-6 Perv (S Brunswick)	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	PDA-6 Imp (Plainsboro)	229,875,744	12.100	46.84
Flow (From)	Out17	7,919,164	13.050	0.38
Flow (From)	Out25	6,024,682	16.900	0.14
Flow (From)	Future Imp Road-Basin 6 (S Brunswick)	5,404,779	12.000	1.63
Flow (From)	PDA-6 PER (Plainsboro)	8,870,097	12.100	2.05
Flow (From)	Ex DA-6 Perv (S Brunswick)	16,916,438	12.100	3.92
Flow (In)	EX. BASIN 6	275,010,903	12.100	53.56

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: EX. BASIN 6 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'EX. BASIN 6'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA-6 Imp (Plainsboro)	
Out17		UGB17	
Out25		Bk25	
<Catchment to Outflow Node>		Future Imp Road-Basin 6 (S Brunswick)	
<Catchment to Outflow Node>		PDA-6 PER (Plainsboro)	
<Catchment to Outflow Node>		Ex DA-6 Perv (S Brunswick)	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	PDA-6 Imp (Plainsboro)	401,109,639	12.100	80.45
Flow (From)	Out17	20,452,627	12.200	2.02
Flow (From)	Out25	41,089,900	12.700	2.89
Flow (From)	Future Imp Road-Basin 6 (S Brunswick)	9,430,586	12.000	2.80
Flow (From)	PDA-6 PER (Plainsboro)	22,617,814	12.100	5.40
Flow (From)	Ex DA-6 Perv (S Brunswick)	49,930,532	12.050	12.82
Flow (In)	EX. BASIN 6	544,631,098	12.100	102.51

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
91.40	19,602.0	0.00
91.41	19,769.7	0.46
91.42	19,938.1	0.46
91.43	20,107.2	0.47
91.44	20,277.0	0.47
91.45	20,447.6	0.47
91.46	20,618.9	0.48
91.47	20,790.8	0.48
91.48	20,963.5	0.49
91.49	21,136.9	0.49
91.50	21,311.0	0.49
91.51	21,485.9	0.50
91.52	21,661.4	0.50
91.53	21,837.7	0.51
91.54	22,014.7	0.51
91.55	22,192.3	0.51
91.56	22,370.8	0.52
91.57	22,549.9	0.52
91.58	22,729.7	0.53
91.59	22,910.2	0.53
91.60	23,091.5	0.53
91.61	23,273.5	0.54
91.62	23,456.2	0.54
91.63	23,639.6	0.55
91.64	23,823.7	0.55
91.65	24,008.5	0.56
91.66	24,194.1	0.56
91.67	24,380.3	0.56
91.68	24,567.3	0.57
91.69	24,755.0	0.57
91.70	24,943.4	0.58
91.71	25,132.5	0.58
91.72	25,322.3	0.59
91.73	25,512.9	0.59
91.74	25,704.2	0.60
91.75	25,896.1	0.60
91.76	26,088.8	0.60
91.77	26,282.2	0.61
91.78	26,476.3	0.61
91.79	26,671.2	0.62
91.80	26,866.7	0.62
91.81	27,063.0	0.63

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27 Siemon Corporate Drive Suite 200 W
Watertown, CT 06795 USA +1-203-755-1666

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Page 128 of 420

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
91.82	27,259.9	0.63
91.83	27,457.6	0.64
91.84	27,656.0	0.64
91.85	27,855.1	0.64
91.86	28,055.0	0.65
91.87	28,255.5	0.65
91.88	28,456.8	0.66
91.89	28,658.8	0.66
91.90	28,861.4	0.67
91.91	29,064.8	0.67
91.92	29,269.0	0.68
91.93	29,473.8	0.68
91.94	29,679.3	0.69
91.95	29,885.6	0.69
91.96	30,092.6	0.70
91.97	30,300.3	0.70
91.98	30,508.7	0.71
91.99	30,717.8	0.71
92.00	30,927.6	0.72
92.01	30,949.0	0.72
92.02	30,970.4	0.72
92.03	30,991.9	0.72
92.04	31,013.3	0.72
92.05	31,034.7	0.72
92.06	31,056.2	0.72
92.07	31,077.6	0.72
92.08	31,099.1	0.72
92.09	31,120.6	0.72
92.10	31,142.1	0.72
92.11	31,163.6	0.72
92.12	31,185.0	0.72
92.13	31,206.5	0.72
92.14	31,228.1	0.72
92.15	31,249.6	0.72
92.16	31,271.1	0.72
92.17	31,292.6	0.72
92.18	31,314.2	0.72
92.19	31,335.7	0.73
92.20	31,357.3	0.73
92.21	31,378.8	0.73
92.22	31,400.4	0.73
92.23	31,422.0	0.73

CURRENT POST Developed Park
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Bentley Systems, Inc. Haestad Methods Solution Center
27 Siemon Corporate Drive Suite 200 W
Watertown, CT 06795 USA +1-203-755-1666

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Page 127 of 420

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
92.24	31,443.6	0.73
92.25	31,465.2	0.73
92.26	31,486.8	0.73
92.27	31,508.4	0.73
92.28	31,530.0	0.73
92.29	31,551.6	0.73
92.30	31,573.2	0.73
92.31	31,594.9	0.73
92.32	31,616.5	0.73
92.33	31,638.1	0.73
92.34	31,659.8	0.73
92.35	31,681.5	0.73
92.36	31,703.1	0.73
92.37	31,724.8	0.73
92.38	31,746.5	0.73
92.39	31,768.2	0.74
92.40	31,789.9	0.74
92.41	31,811.6	0.74
92.42	31,833.3	0.74
92.43	31,855.1	0.74
92.44	31,876.8	0.74
92.45	31,898.5	0.74
92.46	31,920.3	0.74
92.47	31,942.0	0.74
92.48	31,963.8	0.74
92.49	31,985.6	0.74
92.50	32,007.3	0.74
92.51	32,029.1	0.74
92.52	32,050.9	0.74
92.53	32,072.7	0.74
92.54	32,094.5	0.74
92.55	32,116.3	0.74
92.56	32,138.2	0.74
92.57	32,160.0	0.74
92.58	32,181.8	0.74
92.59	32,203.7	0.75
92.60	32,225.5	0.75
92.61	32,247.4	0.75
92.62	32,269.2	0.75
92.63	32,291.1	0.75
92.64	32,313.0	0.75
92.65	32,334.9	0.75

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
92.66	32,356.8	0.75
92.67	32,378.7	0.75
92.68	32,400.6	0.75
92.69	32,422.5	0.75
92.70	32,444.4	0.75
92.71	32,466.4	0.75
92.72	32,488.3	0.75
92.73	32,510.2	0.75
92.74	32,532.2	0.75
92.75	32,554.2	0.75
92.76	32,576.1	0.75
92.77	32,598.1	0.75
92.78	32,620.1	0.76
92.79	32,642.1	0.76
92.80	32,664.1	0.76
92.81	32,686.1	0.76
92.82	32,708.1	0.76
92.83	32,730.1	0.76
92.84	32,752.1	0.76
92.85	32,774.2	0.76
92.86	32,796.2	0.76
92.87	32,818.3	0.76
92.88	32,840.3	0.76
92.89	32,862.4	0.76
92.90	32,884.5	0.76
92.91	32,906.5	0.76
92.92	32,928.6	0.76
92.93	32,950.7	0.76
92.94	32,972.8	0.76
92.95	32,994.9	0.76
92.96	33,017.1	0.76
92.97	33,039.2	0.76
92.98	33,061.3	0.77
92.99	33,083.5	0.77
93.00	33,105.6	0.77
93.01	33,127.0	0.77
93.02	33,148.5	0.77
93.03	33,169.9	0.77
93.04	33,191.4	0.77
93.05	33,212.9	0.77
93.06	33,234.3	0.77
93.07	33,255.8	0.77

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
93.08	33,277.3	0.77
93.09	33,298.8	0.77
93.10	33,320.3	0.77
93.11	33,341.8	0.77
93.12	33,363.3	0.77
93.13	33,384.8	0.77
93.14	33,406.3	0.77
93.15	33,427.9	0.77
93.16	33,449.4	0.77
93.17	33,471.0	0.77
93.18	33,492.5	0.78
93.19	33,514.1	0.78
93.20	33,535.6	0.78
93.21	33,557.2	0.78
93.22	33,578.8	0.78
93.23	33,600.4	0.78
93.24	33,622.0	0.78
93.25	33,643.6	0.78
93.26	33,665.2	0.78
93.27	33,686.8	0.78
93.28	33,708.4	0.78
93.29	33,730.1	0.78
93.30	33,751.7	0.78
93.31	33,773.4	0.78
93.32	33,795.0	0.78
93.33	33,816.7	0.78
93.34	33,838.3	0.78
93.35	33,860.0	0.78
93.36	33,881.7	0.78
93.37	33,903.4	0.78
93.38	33,925.1	0.79
93.39	33,946.8	0.79
93.40	33,968.5	0.79
93.41	33,990.2	0.79
93.42	34,011.9	0.79
93.43	34,033.6	0.79
93.44	34,055.4	0.79
93.45	34,077.1	0.79
93.46	34,098.9	0.79
93.47	34,120.6	0.79
93.48	34,142.4	0.79
93.49	34,164.2	0.79

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
93.50	34,185.9	0.79
93.51	34,207.7	0.79
93.52	34,229.5	0.79
93.53	34,251.3	0.79
93.54	34,273.1	0.79
93.55	34,294.9	0.79
93.56	34,316.7	0.79
93.57	34,338.6	0.79
93.58	34,360.4	0.80
93.59	34,382.2	0.80
93.60	34,404.1	0.80
93.61	34,425.9	0.80
93.62	34,447.8	0.80
93.63	34,469.7	0.80
93.64	34,491.5	0.80
93.65	34,513.4	0.80
93.66	34,535.3	0.80
93.67	34,557.2	0.80
93.68	34,579.1	0.80
93.69	34,601.0	0.80
93.70	34,622.9	0.80
93.71	34,644.8	0.80
93.72	34,666.8	0.80
93.73	34,688.7	0.80
93.74	34,710.6	0.80
93.75	34,732.6	0.80
93.76	34,754.6	0.80
93.77	34,776.5	0.81
93.78	34,798.5	0.81
93.79	34,820.5	0.81
93.80	34,842.4	0.81
93.81	34,864.4	0.81
93.82	34,886.4	0.81
93.83	34,908.4	0.81
93.84	34,930.5	0.81
93.85	34,952.5	0.81
93.86	34,974.5	0.81
93.87	34,996.5	0.81
93.88	35,018.6	0.81
93.89	35,040.6	0.81
93.90	35,062.7	0.81
93.91	35,084.7	0.81

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
93.92	35,106.8	0.81
93.93	35,128.9	0.81
93.94	35,151.0	0.81
93.95	35,173.1	0.81
93.96	35,195.1	0.81
93.97	35,217.3	0.82
93.98	35,239.4	0.82
93.99	35,261.5	0.82
94.00	35,283.6	0.82
94.01	35,305.1	0.82
94.02	35,326.5	0.82
94.03	35,348.0	0.82
94.04	35,369.5	0.82
94.05	35,391.0	0.82
94.06	35,412.4	0.82
94.07	35,433.9	0.82
94.08	35,455.4	0.82
94.09	35,476.9	0.82
94.10	35,498.5	0.82
94.11	35,520.0	0.82
94.12	35,541.5	0.82
94.13	35,563.1	0.82
94.14	35,584.6	0.82
94.15	35,606.1	0.82
94.16	35,627.7	0.82
94.17	35,649.3	0.83
94.18	35,670.8	0.83
94.19	35,692.4	0.83
94.20	35,714.0	0.83
94.21	35,735.6	0.83
94.22	35,757.2	0.83
94.23	35,778.8	0.83
94.24	35,800.4	0.83
94.25	35,822.0	0.83
94.26	35,843.6	0.83
94.27	35,865.2	0.83
94.28	35,886.9	0.83
94.29	35,908.5	0.83
94.30	35,930.2	0.83
94.31	35,951.8	0.83
94.32	35,973.5	0.83
94.33	35,995.1	0.83

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.34	36,016.8	0.83
94.35	36,038.5	0.83
94.36	36,060.2	0.83
94.37	36,081.9	0.84
94.38	36,103.6	0.84
94.39	36,125.3	0.84
94.40	36,147.0	0.84
94.41	36,168.7	0.84
94.42	36,190.4	0.84
94.43	36,212.1	0.84
94.44	36,233.9	0.84
94.45	36,255.6	0.84
94.46	36,277.4	0.84
94.47	36,299.1	0.84
94.48	36,320.9	0.84
94.49	36,342.7	0.84
94.50	36,364.4	0.84
94.51	36,386.2	0.84
94.52	36,408.0	0.84
94.53	36,429.8	0.84
94.54	36,451.6	0.84
94.55	36,473.4	0.84
94.56	36,495.2	0.84
94.57	36,517.1	0.85
94.58	36,538.9	0.85
94.59	36,560.7	0.85
94.60	36,582.6	0.85
94.61	36,604.4	0.85
94.62	36,626.3	0.85
94.63	36,648.1	0.85
94.64	36,670.0	0.85
94.65	36,691.9	0.85
94.66	36,713.8	0.85
94.67	36,735.6	0.85
94.68	36,757.5	0.85
94.69	36,779.4	0.85
94.70	36,801.4	0.85
94.71	36,823.3	0.85
94.72	36,845.2	0.85
94.73	36,867.1	0.85
94.74	36,889.0	0.85
94.75	36,911.0	0.85

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
94.76	36,932.9	0.85
94.77	36,954.9	0.86
94.78	36,976.8	0.86
94.79	36,998.8	0.86
94.80	37,020.8	0.86
94.81	37,042.8	0.86
94.82	37,064.7	0.86
94.83	37,086.7	0.86
94.84	37,108.7	0.86
94.85	37,130.7	0.86
94.86	37,152.8	0.86
94.87	37,174.8	0.86
94.88	37,196.8	0.86
94.89	37,218.8	0.86
94.90	37,240.9	0.86
94.91	37,262.9	0.86
94.92	37,285.0	0.86
94.93	37,307.0	0.86
94.94	37,329.1	0.86
94.95	37,351.2	0.86
94.96	37,373.2	0.87
94.97	37,395.3	0.87
94.98	37,417.4	0.87
94.99	37,439.5	0.87
95.00	37,461.6	0.87
95.01	37,483.1	0.87
95.02	37,504.6	0.87
95.03	37,526.0	0.87
95.04	37,547.5	0.87
95.05	37,569.0	0.87
95.06	37,590.5	0.87
95.07	37,612.1	0.87
95.08	37,633.6	0.87
95.09	37,655.1	0.87
95.10	37,676.6	0.87
95.11	37,698.2	0.87
95.12	37,719.7	0.87
95.13	37,741.3	0.87
95.14	37,762.8	0.87
95.15	37,784.4	0.87
95.16	37,805.9	0.88
95.17	37,827.5	0.88

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Page 134 of 420

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
95.18	37,849.1	0.88
95.19	37,870.7	0.88
95.20	37,892.3	0.88
95.21	37,913.9	0.88
95.22	37,935.5	0.88
95.23	37,957.1	0.88
95.24	37,978.7	0.88
95.25	38,000.3	0.88
95.26	38,022.0	0.88
95.27	38,043.6	0.88
95.28	38,065.2	0.88
95.29	38,086.9	0.88
95.30	38,108.5	0.88
95.31	38,130.2	0.88
95.32	38,151.9	0.88
95.33	38,173.5	0.88
95.34	38,195.2	0.88
95.35	38,216.9	0.88
95.36	38,238.6	0.89
95.37	38,260.3	0.89
95.38	38,282.0	0.89
95.39	38,303.7	0.89
95.40	38,325.4	0.89
95.41	38,347.1	0.89
95.42	38,368.9	0.89
95.43	38,390.6	0.89
95.44	38,412.3	0.89
95.45	38,434.1	0.89
95.46	38,455.8	0.89
95.47	38,477.6	0.89
95.48	38,499.4	0.89
95.49	38,521.1	0.89
95.50	38,542.9	0.89
95.51	38,564.7	0.89
95.52	38,586.5	0.89
95.53	38,608.3	0.89
95.54	38,630.1	0.89
95.55	38,651.9	0.89
95.56	38,673.7	0.90
95.57	38,695.5	0.90
95.58	38,717.3	0.90
95.59	38,739.2	0.90

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Page 135 of 420

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
95.60	38,761.0	0.90
95.61	38,782.9	0.90
95.62	38,804.7	0.90
95.63	38,826.6	0.90
95.64	38,848.4	0.90
95.65	38,870.3	0.90
95.66	38,892.2	0.90
95.67	38,914.1	0.90
95.68	38,935.9	0.90
95.69	38,957.8	0.90
95.70	38,979.7	0.90
95.71	39,001.6	0.90
95.72	39,023.6	0.90
95.73	39,045.5	0.90
95.74	39,067.4	0.90
95.75	39,089.3	0.90
95.76	39,111.3	0.91
95.77	39,133.2	0.91
95.78	39,155.2	0.91
95.79	39,177.1	0.91
95.80	39,199.1	0.91
95.81	39,221.0	0.91
95.82	39,243.0	0.91
95.83	39,265.0	0.91
95.84	39,287.0	0.91
95.85	39,309.0	0.91
95.86	39,331.0	0.91
95.87	39,353.0	0.91
95.88	39,375.0	0.91
95.89	39,397.0	0.91
95.90	39,419.0	0.91
95.91	39,441.1	0.91
95.92	39,463.1	0.91
95.93	39,485.1	0.91
95.94	39,507.2	0.91
95.95	39,529.2	0.92
95.96	39,551.3	0.92
95.97	39,573.4	0.92
95.98	39,595.4	0.92
95.99	39,617.5	0.92
96.00	39,639.6	0.92
96.01	39,665.5	0.92

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
96.02	39,691.5	0.92
96.03	39,717.4	0.92
96.04	39,743.4	0.92
96.05	39,769.3	0.92
96.06	39,795.3	0.92
96.07	39,821.3	0.92
96.08	39,847.3	0.92
96.09	39,873.3	0.92
96.10	39,899.3	0.92
96.11	39,925.3	0.92
96.12	39,951.3	0.92
96.13	39,977.3	0.93
96.14	40,003.4	0.93
96.15	40,029.4	0.93
96.16	40,055.5	0.93
96.17	40,081.5	0.93
96.18	40,107.6	0.93
96.19	40,133.7	0.93
96.20	40,159.8	0.93
96.21	40,185.9	0.93
96.22	40,212.0	0.93
96.23	40,238.1	0.93
96.24	40,264.2	0.93
96.25	40,290.4	0.93
96.26	40,316.5	0.93
96.27	40,342.6	0.93
96.28	40,368.8	0.93
96.29	40,395.0	0.94
96.30	40,421.1	0.94
96.31	40,447.3	0.94
96.32	40,473.5	0.94
96.33	40,499.7	0.94
96.34	40,525.9	0.94
96.35	40,552.1	0.94
96.36	40,578.4	0.94
96.37	40,604.6	0.94
96.38	40,630.8	0.94
96.39	40,657.1	0.94
96.40	40,683.3	0.94
96.41	40,709.6	0.94
96.42	40,735.9	0.94
96.43	40,762.2	0.94

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
96.44	40,788.5	0.94
96.45	40,814.8	0.94
96.46	40,841.1	0.95
96.47	40,867.4	0.95
96.48	40,893.7	0.95
96.49	40,920.1	0.95
96.50	40,946.4	0.95

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Infil30
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	1.0000 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	91.40 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050
	hours
	hours

Time to Peak (hours)	Elevation (ft)	Volume (ft³)
13.800	92.87	42,931.000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.000	15.31	0.000
Infiltration...	13.800	0.00	0.000
Pond Outflow...	13.800	4.15	0.000

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	157,669.000	Forward	0.000
Infiltration...	0.000	Reverse	68,994.000
Pond Outflow...	0.000	Reverse	88,668.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	157,669.000 ft³
Volume (Total Out ICPM)	157,662.000 ft³
Volume (Ending)	7.000 ft³
Elevation (Ending)	91.40 ft
Difference	1.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Infil30
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 1.0000 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	91.40 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050

Time to Peak		Maximum Storage	
Peak (hours)	Elevation (ft)	Volume (ft³)	
12.950	93.76	73,009.000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
12.000	32.09	0.000	0.00
12.950	0.00	0.000	0.00
12.950	15.02	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
301,543.000	Forward	0.000	Reverse
0.000	Reverse	78,384.000	Forward
0.000	Reverse	223,151.000	Forward

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	301,543.000 ft³
Volume (Total Out ICPM)	301,534.000 ft³
Volume (Ending)	9.000 ft³
Elevation (Ending)	91.40 ft
Difference	0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Infil30
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 1.0000 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	91.40 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050

Time to Peak		Maximum Storage	
Peak (hours)	Elevation (ft)	Volume (ft³)	
12.400	95.06	119,752.00	0

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
12.050	85.68	0.000	0.00
12.400	0.00	0.000	0.00
12.400	56.46	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
617,695.000	Forward	0.000	Reverse
0.000	Reverse	89,577.000	Forward
0.000	Reverse	528,092.000	Forward

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	617,695.000 ft³
Volume (Total Out ICPM)	617,669.000 ft³
Volume (Ending)	11.000 ft³
Elevation (Ending)	91.40 ft
Difference	15.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Infil8
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
1.0000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)	109.50 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
109.50	0.00	0.000	0.090	0.00	0.00	0.00
109.60	0.03	400.374	0.094	0.09	0.13	4.57
109.70	0.12	817.647	0.098	0.10	0.22	9.30
109.80	0.26	1,252.170	0.102	0.10	0.36	14.28
109.90	0.45	1,704.291	0.106	0.11	0.56	19.49
110.00	0.68	2,174.361	0.110	0.11	0.79	24.95
110.10	0.94	2,657.707	0.112	0.11	1.05	30.58
110.20	1.22	3,149.475	0.114	0.11	1.34	36.33
110.30	1.53	3,649.736	0.116	0.12	1.65	42.20
110.40	1.83	4,158.564	0.118	0.12	1.94	48.15
110.50	2.00	4,676.031	0.120	0.12	2.13	54.08
110.60	2.17	5,202.210	0.122	0.12	2.29	60.10
110.70	2.32	5,737.173	0.124	0.12	2.45	66.19
110.75	2.40	6,007.972	0.125	0.13	2.52	69.28
110.80	2.52	6,280.995	0.126	0.13	2.64	72.43
110.90	2.86	6,833.746	0.128	0.13	2.99	78.92
111.00	3.29	7,395.500	0.130	0.13	3.43	85.60
111.10	3.79	7,967.998	0.133	0.13	3.92	92.45
111.20	4.33	8,553.022	0.136	0.14	4.47	99.50
111.30	4.92	9,150.706	0.139	0.14	5.06	106.74
111.40	5.56	9,761.188	0.142	0.14	5.70	114.16
111.48	6.09	10,258.878	0.144	0.15	6.23	120.22
111.50	6.29	10,384.602	0.145	0.15	6.43	121.82
111.60	7.80	11,021.085	0.148	0.15	7.95	130.41
111.70	9.83	11,670.770	0.151	0.15	9.98	139.65
111.80	12.22	12,333.795	0.154	0.16	12.38	149.42
111.90	14.93	13,010.295	0.157	0.16	15.09	159.65
112.00	17.91	13,700.405	0.160	0.16	18.07	170.30

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Page 142 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Infil8
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

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Page 143 of 420

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil8 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
109.50	3,920.4	0.00
109.60	4,087.7	0.09
109.70	4,258.4	0.10
109.80	4,432.6	0.10
109.90	4,610.4	0.11
110.00	4,791.6	0.11
110.10	4,875.4	0.11
110.20	4,960.0	0.11
110.30	5,045.3	0.12
110.40	5,131.4	0.12
110.50	5,218.1	0.12
110.60	5,305.6	0.12
110.70	5,393.8	0.12
110.75	5,438.2	0.13
110.80	5,482.7	0.13
110.90	5,572.4	0.13
111.00	5,662.8	0.13
111.10	5,787.4	0.13
111.20	5,913.3	0.14
111.30	6,040.6	0.14
111.40	6,169.3	0.14
111.48	6,273.1	0.15
111.50	6,299.3	0.15
111.60	6,430.6	0.15
111.70	6,563.3	0.15
111.80	6,697.4	0.16
111.90	6,832.8	0.16
112.00	6,969.6	0.16

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Infil8 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	1.0000 in/h		
Initial Conditions			
Elevation (Water Surface, Initial)	109.50 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.24 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.11 ft³/s	Time to Peak (Infiltration)	12.300 hours
Flow (Peak Outlet)	1.20 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours
Elevation (Water Surface, Peak)	110.19 ft		
Volume (Peak)	3,098.550 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	12,489,000 ft³		
Volume (Total Infiltration)	4,474,000 ft³		
Volume (Total Outlet Outflow)	8,015,000 ft³		
Volume (Retained)	0.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Infil8 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	1.0000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	109.50 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	5.74 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.12 ft³/s	Time to Peak (Infiltration)	12.250 hours
Flow (Peak Outlet)	2.17 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)		110.60 ft
Volume (Peak)		5,195,723 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		21,869,000 ft³
Volume (Total Infiltration)		5,922,000 ft³
Volume (Total Outlet Outflow)		15,947,000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Infil8 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	1.0000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	109.50 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	11.47 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.14 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	5.04 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)		111.32 ft
Volume (Peak)		9,264,086 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		42,395,000 ft³
Volume (Total Infiltration)		7,502,000 ft³
Volume (Total Outlet Outflow)		34,893,000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Infil8 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'Infil8'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA8 Imp	
<Catchment to Outflow Node>		PDA8 Perv	
Out10		UGB10	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA8 Imp	4,369.005	12.000	1.34
Flow (From)	PDA8 Perv	503.960	12.000	0.16
Flow (From)	Out10	7,615.770	12.050	1.84
Flow (In)	Infil8	12,488.735	12.000	3.24

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Infil8 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'Infil8'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA8 Imp	
<Catchment to Outflow Node>		PDA8 Perv	
Out10		UGB10	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA8 Imp	6,846.606	12.000	2.07
Flow (From)	PDA8 Perv	1,416.601	12.000	0.53
Flow (From)	Out10	13,605.840	12.050	3.23
Flow (In)	Infil8	21,869.047	12.000	5.74

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: Infil8 (In)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'Infil8'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA8 Imp	
<Catchment to Outflow Node>		PDA8 Perv	
Out10		UGB10	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA8 Imp	11,946,276	12.000	3.55
Flow (From)	PDA8 Perv	3,927,658	12.000	1.47
Flow (From)	Out10	26,521,167	12.000	6.45
Flow (In)	Infil8	42,395,102	12.000	11.47

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB10
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
106.00	0.00	0.000	0.000	0.00	0.00	0.00
106.25	0.00	308.473	0.000	0.00	0.00	3.43
106.50	0.00	623.315	0.000	0.00	0.00	6.93
106.75	0.00	1,276.719	0.000	0.00	0.00	14.19
107.00	0.00	1,927.904	0.000	0.00	0.00	21.42
107.25	0.56	2,571.755	0.000	0.00	0.56	29.14
107.50	1.59	3,206.879	0.000	0.00	1.59	37.22
107.75	2.92	3,827.883	0.000	0.00	2.92	45.45
108.00	4.50	4,432.649	0.000	0.00	4.50	53.75
108.25	6.29	5,012.490	0.000	0.00	6.29	61.98
108.50	8.27	5,561.117	0.000	0.00	8.27	70.06
108.75	10.42	6,052.483	0.000	0.00	10.42	77.67
109.00	12.73	6,466.727	0.000	0.00	12.73	84.58
109.25	15.19	6,858.120	0.000	0.00	15.19	91.39
109.50	17.79	7,256.458	0.000	0.00	17.79	98.42

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: UGB10 (IN)

Scenario: 2YR

Return Event: 2 years

Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.94 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.84 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	107.55 ft
Volume (Peak)	3,324,534 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,544,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,616,000 ft³
Volume (Retained)	1,928,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: UGB10 (IN)

Scenario: 10YR

Return Event: 10 years

Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.77 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.23 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	107.80 ft
Volume (Peak)	3,945,623 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,534,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	13,606,000 ft³
Volume (Retained)	1,928,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB10 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	8.72 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	6.45 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	108.27 ft
Volume (Peak)	5,058.091 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	28,449.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	26,521.000 ft³
Volume (Retained)	1,928.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB10 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB10'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA10 Perv
<Catchment to Outflow Node>	DA10 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA10 Perv	461.275	12.000	0.14
Flow (From)	DA10 Imp	9,082.399	12.000	2.80
Flow (In)	UGB10	9,543.675	12.000	2.94

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB10 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB10'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA10 Perv	
<Catchment to Outflow Node>		DA10 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA10 Perv	1,300.386	12.000	0.47
Flow (From)	DA10 Imp	14,233.357	12.000	4.30
Flow (In)	UGB10	15,533.743	12.000	4.77

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB10 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB10'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA10 Perv	
<Catchment to Outflow Node>		DA10 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA10 Perv	3,613.558	12.000	1.34
Flow (From)	DA10 Imp	24,835.514	12.000	7.38
Flow (In)	UGB10	28,449.072	12.000	8.72

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB11
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	1.0000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	84.08 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/(t + O) (ft³/s)
84.08	0.00	0.000	0.025	0.00	0.00	0.00
84.33	0.00	109.027	0.025	0.03	0.03	1.24
84.58	0.00	221.802	0.026	0.03	0.03	2.49
84.83	0.00	338.692	0.027	0.03	0.03	3.79
84.98	0.00	410.617	0.028	0.03	0.03	4.59
85.08	0.19	459.427	0.028	0.03	0.22	5.32
85.25	0.84	613.252	0.029	0.03	0.87	7.68
85.33	1.51	685.062	0.029	0.03	1.54	9.16
85.58	5.06	905.855	0.030	0.03	5.09	15.16
85.83	10.00	1,116.838	0.031	0.03	10.03	22.44
86.08	16.00	1,313.711	0.032	0.03	16.03	30.63
86.33	22.88	1,477.912	0.033	0.03	22.91	39.33
86.58	30.55	1,625.808	0.034	0.03	30.58	48.65
86.83	38.93	1,776.150	0.035	0.04	38.97	58.70
86.91	41.87	1,827.123	0.035	0.04	41.91	62.21

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB11 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
84.08	1,070.1	0.00
84.33	1,108.9	0.03
84.58	1,148.2	0.03
84.83	1,188.0	0.03
84.98	1,212.2	0.03
85.08	1,228.3	0.03
85.25	1,256.0	0.03
85.33	1,269.1	0.03
85.58	1,310.5	0.03
85.83	1,352.3	0.03
86.08	1,394.6	0.03
86.33	1,437.4	0.03
86.58	1,480.7	0.03
86.83	1,524.5	0.04
86.91	1,539.2	0.04

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB11 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
1.0000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
84.08 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.70 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.000 hours
Flow (Peak Outlet)	3.45 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)		85.47 ft
Volume (Peak)		806.579 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		30,928.000 ft³
Volume (Total Infiltration)		3,041.000 ft³
Volume (Total Outlet Outflow)		27,886.000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB11 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
1.0000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
84.08 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	7.38 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.000 hours
Flow (Peak Outlet)	7.15 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)		85.69 ft
Volume (Peak)		996.257 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		56,514.000 ft³
Volume (Total Infiltration)		3,327.000 ft³
Volume (Total Outlet Outflow)		53,187.000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB11 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Infiltration Rate	Average
Infiltration Rate (Average)	1.0000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	84.08 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	16.44 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	15.60 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	1,301.181 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	113,809.000 ft³
Volume (Total Infiltration)	3,698.000 ft³
Volume (Total Outlet Outflow)	110,201.000 ft³
Volume (Retained)	1.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB11 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB11'

Upstream Link		Upstream Node
Out15		UGB15
<Catchment to Outflow Node>		DA11 Perv
<Catchment to Outflow Node>		DA11 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out15	24,057.982	12.250	2.01
Flow (From)	DA11 Perv	344.907	12.000	0.10
Flow (From)	DA11 Imp	6,524.671	12.000	2.08
Flow (In)	UGB11	30,927.560	12.000	3.70

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB11 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB11'

Upstream Link		Upstream Node	
Out15		UGB15	
<Catchment to Outflow Node>		DA11 Perv	
<Catchment to Outflow Node>		DA11 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out15	45,063.561	12.150	4.56
Flow (From)	DA11 Perv	973.358	12.000	0.34
Flow (From)	DA11 Imp	10,477.296	12.000	3.24
Flow (In)	UGB11	56,514.215	12.000	7.38

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB11 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB11'

Upstream Link		Upstream Node	
Out15		UGB15	
<Catchment to Outflow Node>		DA11 Perv	
<Catchment to Outflow Node>		DA11 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out15	92,459.065	12.100	11.36
Flow (From)	DA11 Perv	2,707.024	12.000	0.97
Flow (From)	DA11 Imp	18,643.109	12.000	5.61
Flow (In)	UGB11	113,809.198	12.000	16.44

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB13
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)	
Maximum Storage Elevation (ft)	87.67
Volume (ft ³)	790.000

Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.000 1.99
Pond Outflow...	12.000 1.67

Total Volume In	
Volume (ft ³)	Direction
Pond Inflow....	6,853.000 Forward
Pond Outflow...	0.000 Reverse

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	6,853.000 ft ³
Volume (Total Out ICPM)	6,437.000 ft ³
Volume (Ending)	413.000 ft ³
Elevation (Ending)	87.00 ft
Difference	4.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.1 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB13
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)	
Maximum Storage Elevation (ft)	87.94
Volume (ft ³)	940.000

Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.000 3.00
Pond Outflow...	12.000 2.59

Total Volume In	
Volume (ft ³)	Direction
Pond Inflow....	11,569.000 Forward
Pond Outflow...	0.000 Reverse

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	11,569.000 ft ³
Volume (Total Out ICPM)	11,154.000 ft ³
Volume (Ending)	413.000 ft ³
Elevation (Ending)	87.00 ft
Difference	2.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB13
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Pond Inflow.... Pond Outflow....	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
	12.000	6.44	0.000	0.00
	12.000	5.68	0.000	0.00
	Time to Peak (hours)	Elevation (ft)	Maximum Storage Volume (ft³)	
	12.000	88.63	1,311.000	

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
21,602.000	Forward	0.000	Reverse
0.000	Reverse	21,177.000	Forward
Mass Balance (ft ³)			
Volume (Initial ICPM)		0.000 ft ³	
Volume (Total In ICPM)		21,602.000 ft ³	
Volume (Total Out ICPM)		21,177.000 ft ³	
Volume (Ending)		413.000 ft ³	
Elevation (Ending)		87.00 ft	
Difference		12.000 ft ³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.1 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB14
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft³)	
12.050		87.93		796.000	
Forward Flow Peaks					
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)	Reverse Flow Peaks	
12.000	1.18	0.000	0.000	0.00	
12.000	0.81	0.000	0.000	0.00	

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
3,666.000	Forward	0.000	Reverse
0.000	Reverse	3,267.000	Forward
Mass Balance (ft ³)			
Volume (Initial ICPM)		0.000 ft ³	
Volume (Total In ICPM)		3,666.000 ft ³	
Volume (Total Out ICPM)		3,267.000 ft ³	
Volume (Ending)		401.000 ft ³	
Elevation (Ending)		87.23 ft	
Difference		-3.000 ft ³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.1 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB14
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

	Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)	
	12.050	88.40	1,055,000	
	Forward Flow Peaks			
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.000	1.91	0.000	0.00
Pond Outflow....	12.050	1.14	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	6,049,000	Forward	0.000
Pond Outflow...	0.000	Reverse	5,649,000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	6,049,000 ft ³		
Volume (Total Out ICPM)	5,649,000 ft ³		
Volume (Ending)	401,000 ft ³		
Elevation (Ending)	87.23 ft		
Difference	-1,000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB14
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft³)	
12.000		88.75		1,246,000	
Forward Flow Peaks					
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)		
Pond Inflow....	12.000	3.45	0.000	0.00	
Pond Outflow....	12.000	3.06	0.000	0.00	

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	11,142,000	Forward	0.000
Pond Outflow...	0.000	Reverse	10,753,000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	11,142,000 ft ³		
Volume (Total Out ICPM)	10,753,000 ft ³		
Volume (Ending)	401,000 ft ³		
Elevation (Ending)	87.23 ft		
Difference	-12,000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.1 %		

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB15
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	92.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.250		93.15		5,230.000	
Forward Flow Peaks		Reverse Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)		
Pond Inflow....	12.000	4.34	0.000	0.00	0.00
Pond Outflow...	12.250	2.01	0.000	0.00	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	26,238.000	Forward	0.000
Pond Outflow...	0.000	Reverse	24,058.000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	26,238.000 ft ³		
Volume (Total Out ICPM)	24,058.000 ft ³		
Volume (Ending)	2,174.000 ft ³		
Elevation (Ending)	92.63 ft		
Difference	6.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB15
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	92.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.150		93.54		7,445.000	
Forward Flow Peaks		Reverse Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)		
Pond Inflow....	12.000	8.30	0.000	0.00	0.00
Pond Outflow...	12.150	4.56	0.000	0.00	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	47,248.000	Forward	0.000
Pond Outflow...	0.000	Reverse	45,064.000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	47,248.000 ft ³		
Volume (Total Out ICPM)	45,064.000 ft ³		
Volume (Ending)	2,174.000 ft ³		
Elevation (Ending)	92.63 ft		
Difference	10.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB15
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	92.00 ft
Volume (Starting)	0.000 ft³
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
	hours

Pond Inflow.... Pond Outflow....	Maximum Storage	
	Time to Peak	Elevation
	(hours)	(ft)
	12.100	94.30
	11,481.000	
	Forward Flow Peaks	
	Time to Peak	Flow (Peak)
	(hours)	(ft³/s)
	12.000	17.75
	12.100	11.36
Reverse Flow Peaks		
Time to Peak	Flow (Peak)	
(hours)	(ft³/s)	
0.00	0.00	
0.00	0.00	

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	94,650.000	Forward	0.000
Pond Outflow....	0.000	Reverse	92,459.000
Mass Balance (ft³)			
Volume (Initial ICPM)		0.000 ft³	
Volume (Total In ICPM)		94,650.000 ft³	
Volume (Total Out ICPM)		92,459.000 ft³	
Volume (Ending)		2,174.000 ft³	
Elevation (Ending)		92.63 ft	
Difference		17.000 ft³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB16
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft³
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
	hours

Pond Inflow.... Pond Outflow....	Time to Peak		Maximum Storage	
	Peak (hours)		Elevation (ft)	
	12.250		95.29	
	12.250		8,578.000	
	Forward Flow Peaks			
	Time to Peak		Flow (Peak)	
	(hours)		(ft³/s)	
	12.000		5.46	
	12.250		1.22	
	Reverse Flow Peaks			
Time to Peak		Flow (Peak)		
(hours)		(ft³/s)		
0.000		0.00		
0.000		0.00		

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	18,083.000	Forward	0.000
Pond Outflow....	0.000	Reverse	14,999.000
Mass Balance (ft³)			
Volume (Initial ICPM)		0.000 ft³	
Volume (Total In ICPM)		18,083.000 ft³	
Volume (Total Out ICPM)		14,999.000 ft³	
Volume (Ending)		3,082.000 ft³	
Elevation (Ending)		94.63 ft	
Difference		1.000 ft³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB16
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.200		95.76		12,305.000	
Forward Flow Peaks		Reverse Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)		
Pond Inflow....	12.000	9.19	0.000	0.00	0.00
Pond Outflow...	12.200	2.71	0.000	0.00	0.00

Total Volume In		Total Volume Out			
Volume (ft ³)	Direction	Volume (ft ³)	Direction		
Pond Inflow....	30,745.000	Forward	0.000	Reverse	Forward
Pond Outflow...	0.000	Reverse	27,662.000	Forward	
Mass Balance (ft ³)					
Volume (Initial ICPM)		0.000 ft ³			
Volume (Total In ICPM)		30,745.000 ft ³			
Volume (Total Out ICPM)		27,662.000 ft ³			
Volume (Ending)		3,082.000 ft ³			
Elevation (Ending)		94.63 ft			
Difference		0.000 ft ³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %			

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB16
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.100		96.71		18,820.000	
Forward Flow Peaks		Reverse Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)		
Pond Inflow....	12.000	17.42	0.000	0.00	0.00
Pond Outflow...	12.100	6.76	0.000	0.00	0.00

Total Volume In		Total Volume Out			
Volume (ft ³)	Direction	Volume (ft ³)	Direction		
Pond Inflow....	58,964.000	Forward	0.000	Reverse	Forward
Pond Outflow...	0.000	Reverse	55,882.000	Forward	
Mass Balance (ft ³)					
Volume (Initial ICPM)		0.000 ft ³			
Volume (Total In ICPM)		58,964.000 ft ³			
Volume (Total Out ICPM)		55,882.000 ft ³			
Volume (Ending)		3,082.000 ft ³			
Elevation (Ending)		94.63 ft			
Difference		0.000 ft ³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %			

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB17
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
110.50	0.00	0.000	0.000	0.00	0.00	0.00
110.75	0.00	1,168.548	0.000	0.00	0.00	12.98
111.00	0.00	2,350.871	0.000	0.00	0.00	26.12
111.25	0.00	4,850.926	0.000	0.00	0.00	53.90
111.50	0.00	7,330.736	0.000	0.00	0.00	81.45
111.75	0.38	9,769.092	0.000	0.00	0.38	108.92
112.00	1.06	12,161.398	0.000	0.00	1.06	136.19
112.25	1.95	14,485.207	0.000	0.00	1.95	162.90
112.50	3.00	16,733.176	0.000	0.00	3.00	188.92
112.75	4.19	18,869.975	0.000	0.00	4.19	213.86
113.00	5.51	20,871.780	0.000	0.00	5.51	237.42
113.25	6.95	22,635.077	0.000	0.00	6.95	258.45
113.50	8.49	24,082.744	0.000	0.00	8.49	276.07
113.75	10.13	25,426.780	0.000	0.00	10.13	292.64
114.00	11.86	26,785.167	0.000	0.00	11.86	309.47

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB17 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.99 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.06 ft³/s	Time to Peak (Flow, Outlet)	17.300 hours
Elevation (Water Surface, Peak)	111.54 ft		
Volume (Peak)	7,746,400 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	9,324,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	1,993,000 ft³		
Volume (Retained)	7,331,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB17 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.77 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.38 ft³/s	Time to Peak (Flow, Outlet)	13.050 hours

Elevation (Water Surface, Peak)	111.75 ft
Volume (Peak)	9,778.117 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,250.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,919.000 ft³
Volume (Retained)	7,331.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB17 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	8.51 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.02 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	112.27 ft
Volume (Peak)	14,640.903 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	27,783.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	20,453.000 ft³
Volume (Retained)	7,331.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB17 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB17'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA17 Imp	
<Catchment to Outflow Node>		DA17 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA17 Imp	9,093,528	12,000	2.93
Flow (From)	DA17 Perv	230,136	12,000	0.06
Flow (In)	UGB17	9,323,665	12,000	2.99

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB17 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB17'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA17 Imp	
<Catchment to Outflow Node>		DA17 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA17 Imp	14,600,658	12,000	4.56
Flow (From)	DA17 Perv	649,240	12,000	0.21
Flow (In)	UGB17	15,249,898	12,000	4.77

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB17 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB17'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA17 Imp	
<Catchment to Outflow Node>		DA17 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA17 Imp	25,978.205	12.000	7.90
Flow (From)	DA17 Perv	1,805.157	12.000	0.61
Flow (In)	UGB17	27,783.362	12.000	8.51

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB18
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration

Infiltration Method (Computed)	No Infiltration	

Initial Conditions

Elevation (Starting Water Surface Computed)	94.00	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s
Volume (Starting)	0.000	ft ³	Maximum Iterations	35	
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.020	hours

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB18
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

	Time to Peak (hours)	Elevation (ft)	Maximum Storage Volume (ft³)	
	12.100	96.84	2,200.000	
	Forward Flow Peaks			
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Reverse Flow Peaks Flow (Peak) (ft³/s)
Pond Inflow....	12.050	9.90	0.000	0.00
Pond Outflow....	12.100	10.01	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	43,398.000	Forward	0.000
Pond Outflow...	0.000	Reverse	42,847.000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	43,398.000 ft ³		
Volume (Total Out ICPM)	42,847.000 ft ³		
Volume (Ending)	660.000 ft ³		
Elevation (Ending)	95.00 ft		
Difference	-109.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.3 %		

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB18
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

	Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)
	12.050	97.50	2,626,000
	Forward Flow Peaks		
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)
Pond Inflow....	12.050	24.98	0.000
Pond Outflow....	12.050	23.86	0.000

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	93,100.000	Forward	0.000
Pond Outflow...	0.000	Reverse	92,260.000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	93,100.000 ft ³		
Volume (Total Out ICPM)	92,260.000 ft ³		
Volume (Ending)	660.000 ft ³		
Elevation (Ending)	95.00 ft		
Difference	179,000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.2 %		

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB19 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.50	1,040.8	0.00
94.75	1,081.9	0.03
95.00	1,123.6	0.03
95.03	1,128.6	0.03
95.25	1,165.7	0.03
95.50	1,208.4	0.03
95.75	1,251.6	0.03
96.00	1,295.3	0.03
96.25	1,339.4	0.03
96.50	1,384.1	0.03
96.75	1,429.2	0.03
97.00	1,474.9	0.03
97.25	1,521.1	0.04
97.50	1,567.7	0.04
97.75	1,614.9	0.04
98.00	1,662.6	0.04

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB19
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate 1.0000 in/h
Infiltration Rate (Average)	

Initial Conditions		Calculation Tolerances		
Elevation (Starting Water Surface Computed)	94.50	ft	Flow Tolerance (Minimum)	0.000
Volume (Starting)	0.000	ft³	Maximum Iterations	35
Infiltration (Starting ICPM)	0.00	ft³/s	ICPM Time Step	0.020
Outflow (Starting)	0.00	ft³/s	Output Increment	0.050

Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)
12.150	96.26	1,328.000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.050	2.75	0.000
Infiltration...	12.150	0.00	0.006
Pond Outflow...	12.250	2.51	21.050

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	14,656.000	Forward	0.000
Infiltration...	0.000	Reverse	1,804.000
Pond Outflow...	0.000	Reverse	12,863.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	14,656.000 ft³
Volume (Total Out ICPM)	14,667.000 ft³
Volume (Ending)	0.000 ft³
Elevation (Ending) Difference	94.50 ft -10.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.1 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB19
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.50 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000 ft ³ /s
Maximum Iterations	35
ICPM Time Step	0.020 hours
Output Increment	0.050 hours

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.100	96.95
	1,909,000
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.050	7.37
12.100	0.00
12.100	6.73
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
	0.000
	0.000
	0.000

Total Volume In	
Volume (ft ³)	Direction
29,935,000	Forward
0.000	Reverse
27,672,000	Forward
Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	29,935,000 ft ³
Volume (Total Out ICPM)	29,832,000 ft ³
Volume (Ending)	0.000 ft ³
Elevation (Ending)	94.50 ft
Difference	103,000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.3 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB19
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.50 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000 ft ³ /s
Maximum Iterations	35
ICPM Time Step	0.020 hours
Output Increment	0.050 hours

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.050	97.70
	2,430,000
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.050	17.90
12.050	0.00
12.050	0.002
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
	0.000
	0.002
	6.250

Total Volume In	
Volume (ft ³)	Direction
65,797,000	Forward
0.000	Reverse
63,353,000	Forward
Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	65,797,000 ft ³
Volume (Total Out ICPM)	65,861,000 ft ³
Volume (Ending)	0.000 ft ³
Elevation (Ending)	94.50 ft
Difference	-64,000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.1 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB2
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration				
Infiltration Method (Computed)		No Infiltration		
Initial Conditions				
Elevation (Starting Water Surface Computed)	85.25	ft	Flow Tolerance (Minimum)	0.000
Volume (Starting)	0.000	ft ³	Maximum Iterations	35
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.020
				hours

		Maximum Storage		
		Time to Peak (hours)	Elevation (ft)	Volume (ft³)
		12.050	87.03	4,104.000
		Reverse Flow Peaks		
		Time to Peak (hours)	Flow (Peak) (ft³/s)	Flow (Peak) (ft³/s)
Pond Inflow....	12.000	5.15	0.000	0.00
Pond Outflow....	12.050	3.78	0.000	0.00

		Total Volume In		Total Volume Out	
		Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	17,658.000	Forward	0.000	Reverse	Forward
Pond Outflow...	0.000	Reverse	15,441.000	Forward	
Mass Balance (ft ³)					
Volume (Initial ICPM)		0.000 ft ³			
Volume (Total In ICPM)		17,658.000 ft ³			
Volume (Total Out ICPM)		15,441.000 ft ³			
Volume (Ending)		2,206.000 ft ³			
Elevation (Ending)		86.25 ft			
Difference		12.000 ft ³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.1 %			

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB2
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration				
Infiltration Method (Computed)		No Infiltration		
Initial Conditions				
Elevation (Starting Water Surface Computed)	85.25	ft	Flow Tolerance (Minimum)	0.000
Volume (Starting)	0.000	ft ³	Maximum Iterations	35
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.020
				hours

		Maximum Storage		
		Time to Peak (hours)	Elevation (ft)	Volume (ft³)
		12.000	87.30	4,610.000
		Reverse Flow Peaks		
		Time to Peak (hours)	Flow (Peak) (ft³/s)	Flow (Peak) (ft³/s)
Pond Inflow....	12.000	8.94	0.000	0.00
Pond Outflow....	12.000	7.69	0.000	0.00

		Total Volume In		Total Volume Out	
		Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	31,159.000	Forward	0.000	Reverse	Forward
Pond Outflow...	0.000	Reverse	28,951.000	Forward	
Mass Balance (ft ³)					
Volume (Initial ICPM)		0.000 ft ³			
Volume (Total In ICPM)		31,159.000 ft ³			
Volume (Total Out ICPM)		28,951.000 ft ³			
Volume (Ending)		2,206.000 ft ³			
Elevation (Ending)		86.25 ft			
Difference		2.000 ft ³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %			

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB2
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration			
Infiltration Method (Computed)		No Infiltration	
Initial Conditions			
Elevation (Starting Water Surface Computed)	85.25	ft	Flow Tolerance (Minimum)
Volume (Starting)	0.000	ft ³	Maximum Iterations
outflow (Starting)	0.00	ft ³ /s	ICPM Time Step
			0.000
			35
			0.020
			hours

	Time to Peak		Forward Flow Peaks		Reverse Flow Peaks	
	Peak (hours)	Elevation (ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12,000	87.58	12,000	18.58	0.000	0.00
Pond Outflow....	12,000		12,000	13.43	0.000	0.00
Maximum Storage		5,152,000				

	Total Volume In	Total Volume Out
	Volume	Volume
	(ft ³)	(ft ³)
	Direction	Direction
Pond Inflow...	61,473,000	0.000
Pond Outflow...	0.000	58,324,000
	Forward	Reverse
	Reverse	Forward

Mass Balance (ft ³)	
Volume (Initial TCPM)	0.000 ft ³
Volume (Total In TCPM)	61,473.000 ft ³
Volume (Total Out TCPM)	58,324.000 ft ³
Volume (Ending)	2,206.000 ft ³
Elevation (Ending)	86.25 ft
Difference	943.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	1.5 %

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB20 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface)		Area (Total)	Flow (Infiltration)
(ft)	(ft²)	(ft²/s)	
97.10	5,264.1	0.00	
97.20	5,310.9	0.12	
97.25	5,334.3	0.12	
97.30	5,357.8	0.12	
97.40	5,404.7	0.13	
97.50	5,451.7	0.13	
97.60	5,498.9	0.13	
97.70	5,546.0	0.13	
97.72	5,555.5	0.13	
97.75	5,569.6	0.13	
97.80	5,593.3	0.13	
97.90	5,640.6	0.13	
98.00	5,688.1	0.13	
98.10	5,735.6	0.13	
98.20	5,783.2	0.13	
98.30	5,830.8	0.13	
98.40	5,878.6	0.14	
98.50	5,926.4	0.14	
98.60	5,974.3	0.14	
98.70	6,022.3	0.14	
98.80	6,070.4	0.14	
98.90	6,118.5	0.14	
99.00	6,166.7	0.14	
99.10	6,215.0	0.14	
99.20	6,263.4	0.14	
99.30	6,311.9	0.15	
99.40	6,360.4	0.15	
99.50	6,409.1	0.15	
99.60	6,457.8	0.15	
99.70	6,506.6	0.15	
99.80	6,555.4	0.15	
99.90	6,604.4	0.15	
100.00	6,653.4	0.15	
100.10	6,702.5	0.16	
100.20	6,751.7	0.16	
100.30	6,801.0	0.16	
100.40	6,850.3	0.16	
100.50	6,899.7	0.16	
100.60	6,949.2	0.16	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB20
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	97.10 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000 ft ³ /s
Maximum Iterations	35
ICPM Time Step	0.020 hours
Output Increment	0.050 hours

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.200	98.71
6,004.000	
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.000	5.55
12.200	0.00
12.200	1.98
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
0.000	0.00
0.000	0.00
0.000	0.00

Total Volume In	
Volume (ft ³)	Direction
20,078.000	Forward
0.000	Reverse
0.000	Reverse
0.000	Forward
Total Volume Out	
Volume (ft ³)	Direction
0.000 ft ³	
20,078.000 ft ³	
20,075.000 ft ³	
0.000 ft ³	
0.000 ft ³	
97.10 ft	
3.000 ft ³	
0.0 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB20
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	97.10 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000 ft ³ /s
Maximum Iterations	35
ICPM Time Step	0.020 hours
Output Increment	0.050 hours

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.100	99.21
8,106.000	
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.000	9.75
12.100	0.00
12.100	5.88
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
0.000	0.00
0.000	0.00
0.000	0.00

Total Volume In	
Volume (ft ³)	Direction
34,397.000	Forward
0.000	Reverse
0.000	Reverse
0.000	Forward
Total Volume Out	
Volume (ft ³)	Direction
0.000 ft ³	
34,397.000 ft ³	
34,389.000 ft ³	
0.000 ft ³	
0.000 ft ³	
97.10 ft	
8.000 ft ³	
0.0 %	

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB20
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	97.10 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050
hours	hours

Time to Peak (hours)		Elevation (ft)		Maximum Storage Volume (ft³)	
12.050	95.77	10.217	0.00	10.217	0.00
Forward Flow Peaks		Reverse Flow Peaks		Time to Peak	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
12.000	19.02	0.000	0.00	0.000	0.00
12.050	0.00	0.000	0.00	0.000	0.00
12.050	14.92	0.000	0.00	0.000	0.00
Total Volume In		Total Volume Out		Direction	
Volume (ft³)	Direction	Volume (ft³)	Direction	Volume (ft³)	Direction
66,117,000	Forward	0.000	Reverse	0.000	Reverse
0.000	Reverse	12,511,000	Forward	12,511,000	Forward
0.000	Reverse	53,599,000	Forward	53,599,000	Forward
Mass Balance (ft³)					
Volume (Initial ICPM)	0.000 ft³				
Volume (Total In ICPM)	66,117,000 ft³				
Volume (Total Out ICPM)	66,109,000 ft³				
Volume (Ending)	0.000 ft³				
Elevation (Ending)	97.10 ft				
Difference	7.000 ft³				
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %				

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB21
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
98.00	0.00	0.000	0.000	0.00	0.00	0.00
98.25	0.00	72.016	0.000	0.00	0.00	0.80
98.50	0.00	146.982	0.000	0.00	0.00	1.63
98.75	0.28	296.256	0.000	0.00	0.28	3.57
99.00	0.80	446.716	0.000	0.00	0.80	5.76
99.25	1.46	597.444	0.000	0.00	1.46	8.10
99.50	2.25	748.040	0.000	0.00	2.25	10.56
99.75	3.14	897.532	0.000	0.00	3.14	13.12
100.00	4.13	1,045.357	0.000	0.00	4.13	15.75
100.25	5.21	1,189.844	0.000	0.00	5.21	18.43
100.50	6.36	1,329.531	0.000	0.00	6.36	21.14
100.75	7.59	1,459.032	0.000	0.00	7.59	23.81
101.00	8.89	1,573.971	0.000	0.00	8.89	26.38
101.25	10.26	1,686.181	0.000	0.00	10.26	29.00
101.50	11.69	1,801.917	0.000	0.00	11.69	31.71

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB21 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.76 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.48 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	99.26 ft
Volume (Peak)	600.485 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	6,003.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	5,856.000 ft³
Volume (Retained)	147.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB21 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.97 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.59 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	99.60 ft
Volume (Peak)	805.666 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	10,176.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	10,029.000 ft³
Volume (Retained)	147.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB21 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	No Infiltration
Infiltration Method (Computed)	
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.61 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	5.03 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	100.21 ft
Volume (Peak)	1,165.655 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	19,352.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	19,205.000 ft³
Volume (Retained)	147.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB21 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB21'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA21 Perv
<Catchment to Outflow Node>	DA21 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA21 Perv	441.146	12.000	0.10
Flow (From)	DA21 Imp	5,562.007	12.000	1.65
Flow (In)	UGB21	6,003.153	12.000	1.76

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB21 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB21'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA21 Perv	
<Catchment to Outflow Node>		DA21 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA21 Perv	1,244.477	12.000	0.39
Flow (From)	DA21 Imp	8,931.268	12.000	2.58
Flow (In)	UGB21	10,175.745	12.000	2.97

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB21 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB21'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA21 Perv	
<Catchment to Outflow Node>		DA21 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA21 Perv	3,460.062	12.000	1.14
Flow (From)	DA21 Imp	15,891.930	12.000	4.48
Flow (In)	UGB21	19,351.991	12.000	5.61

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB22
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
107.00	0.00	0.000	0.000	0.00	0.00	0.00
107.25	0.00	1,021.552	0.000	0.00	0.00	11.35
107.50	0.00	2,043.104	0.000	0.00	0.00	22.70
107.75	0.00	4,209.505	0.000	0.00	0.00	46.77
108.00	0.00	6,345.925	0.000	0.00	0.00	70.51
108.25	0.56	8,432.666	0.000	0.00	0.56	94.26
108.50	1.59	10,466.631	0.000	0.00	1.59	117.89
108.75	2.92	12,427.130	0.000	0.00	2.92	141.00
109.00	4.50	14,308.589	0.000	0.00	4.50	163.48
109.25	6.29	16,078.920	0.000	0.00	6.29	184.94
109.50	8.27	17,718.177	0.000	0.00	8.27	205.14
109.75	10.42	19,134.313	0.000	0.00	10.42	223.02
110.00	12.73	20,260.550	0.000	0.00	12.73	237.85
110.25	15.19	21,282.102	0.000	0.00	15.19	251.66
110.50	17.79	22,303.654	0.000	0.00	17.79	265.61

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB22 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.21 ft³/s	Time to Peak (Flow, In)	12,000 hours
Flow (Peak Outlet)	0.15 ft³/s	Time to Peak (Flow, Outlet)	14,100 hours
Elevation (Water Surface, Peak)	108.07 ft		
Volume (Peak)	6,914.342 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	9,890.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	3,544.000 ft³		
Volume (Retained)	6,346.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB22 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.47 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.92 ft³/s	Time to Peak (Flow, Outlet)	12.400 hours

Elevation (Water Surface, Peak)	108.34 ft
Volume (Peak)	9,152.865 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	16,950.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	10,604.000 ft³
Volume (Retained)	6,346.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB22 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	10.40 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	4.17 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	108.95 ft
Volume (Peak)	13,923.630 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	32,565.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	26,219.000 ft³
Volume (Retained)	6,346.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB22 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB22'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA22 Perv	
<Catchment to Outflow Node>		DA22 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA22 Perv	1,007,992	12.000	0.34
Flow (From)	DA22 Imp	8,881,851	12.000	2.87
Flow (In)	UGB22	9,889,844	12.000	3.21

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB22 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB22'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA22 Perv	
<Catchment to Outflow Node>		DA22 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA22 Perv	2,690,003	12.000	1.01
Flow (From)	DA22 Imp	14,259,661	12.000	4.46
Flow (In)	UGB22	16,949,665	12.000	5.47

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB22 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB22'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA22 Perv	
<Catchment to Outflow Node>		DA22 Imp	
Inflow Type	Element	Volume (ft³)	Time to Peak (hours)
Flow (From)	DA22 Perv	7,195,006	12,000
Flow (From)	DA22 Imp	25,370,190	12,000
Flow (In)	UGB22	32,565,196	12,000
			2.68
			7.72
			10.40

Node Inflows

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB27
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
99.00	0.00	0.000	0.051	0.00	0.00	0.00
99.25	0.00	226.411	0.053	0.03	0.03	2.54
99.50	0.00	459.077	0.054	0.03	0.03	5.13
99.75	0.00	935.435	0.056	0.03	0.03	10.42
100.00	0.20	1,411.941	0.057	0.03	0.23	15.92
100.25	0.76	1,885.100	0.059	0.03	0.79	21.74
100.50	1.59	2,353.786	0.060	0.03	1.62	27.77
100.75	2.67	2,814.308	0.062	0.03	2.70	33.97
101.00	3.27	3,265.020	0.063	0.03	3.31	39.58
101.25	3.78	3,695.879	0.065	0.03	3.81	44.92
101.50	4.23	4,114.257	0.067	0.03	4.26	49.97
101.75	4.63	4,489.716	0.068	0.03	4.66	54.55
102.00	5.00	4,811.931	0.070	0.04	5.04	58.50
102.25	5.35	5,119.834	0.071	0.04	5.38	62.27
102.50	5.67	5,434.568	0.073	0.04	5.71	66.09

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB27 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
99.00	2,230.4	0.00
99.25	2,295.3	0.03
99.50	2,360.7	0.03
99.75	2,426.6	0.03
100.00	2,493.0	0.03
100.25	2,559.9	0.03
100.50	2,627.3	0.03
100.75	2,695.2	0.03
101.00	2,763.6	0.03
101.25	2,832.5	0.03
101.50	2,901.9	0.03
101.75	2,971.8	0.03
102.00	3,042.2	0.04
102.25	3,113.1	0.04
102.50	3,184.5	0.04

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB27 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	0.5900 m/h		
Initial Conditions			
Elevation (Water Surface, Initial)	99.00 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.73 ft³/s		
Infiltration (Peak)	0.03 ft³/s		
Flow (Peak Outlet)	1.72 ft³/s		
Elevation (Water Surface, Peak)	100.53 ft		
Volume (Peak)	2,408.494 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	8,855.000 ft³		
Volume (Total Infiltration)	2,941.000 ft³		
Volume (Total Outlet Outflow)	5,914.000 ft³		
Volume (Retained)	0.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB27 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
99.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.20 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	2.80 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		100.80 ft
Volume (Peak)		2,911.356 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		13,875.000 ft³
Volume (Total Infiltration)		3,132.000 ft³
Volume (Total Outlet Outflow)		10,744.000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB27 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
99.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	7.20 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	4.27 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		101.53 ft
Volume (Peak)		4,160.630 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		24,210.000 ft³
Volume (Total Infiltration)		3,310.000 ft³
Volume (Total Outlet Outflow)		20,899.000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB27 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB27'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA27

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA27	8,854.615	12.000	2.73
Flow (In)	UGB27	8,854.615	12.000	2.73

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB27 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB27'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA27

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA27	13,875.488	12.000	4.20
Flow (In)	UGB27	13,875.488	12.000	4.20

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB27 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB27'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA27	
Inflow Type	Element	Volume (ft³)	Time to Peak (hours)
Flow (From)	DA27	24,210.096	12.000
Flow (In)	UGB27	24,210.096	12.000
			7.20
			7.20

Node Inflows

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB3
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5900 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
85.50	0.00	0.000	0.000	0.00	0.00	0.00
85.51	0.00	5,649	0.000	0.00	0.00	0.06
85.60	0.05	56,492	0.020	0.01	0.06	0.68
85.70	0.16	158,560	0.028	0.01	0.18	1.94
85.80	0.32	289,024	0.034	0.02	0.34	3.55
85.90	0.50	441,453	0.040	0.02	0.52	5.43
86.00	0.73	611,971	0.045	0.02	0.75	7.55
86.10	1.01	797,847	0.049	0.02	1.04	9.90
86.20	1.29	996,988	0.054	0.03	1.32	12.40
86.30	1.54	1,207,697	0.057	0.03	1.57	14.99
86.40	1.85	1,428,547	0.061	0.03	1.88	17.76
86.50	2.19	1,658,299	0.065	0.03	2.22	20.65
86.60	2.54	1,895,854	0.068	0.03	2.57	23.64
86.70	2.91	2,140,218	0.072	0.04	2.95	26.73
86.80	3.30	2,390,480	0.075	0.04	3.33	29.90
86.90	3.70	2,645,789	0.078	0.04	3.74	33.14
87.00	4.12	2,905,347	0.082	0.04	4.16	36.44
87.10	4.55	3,168,394	0.085	0.04	4.59	39.80
87.20	5.00	3,434,198	0.088	0.04	5.04	43.20
87.30	5.46	3,702,051	0.091	0.05	5.51	46.64
87.40	5.93	3,971,263	0.094	0.05	5.98	50.11
87.50	6.42	4,241,150	0.097	0.05	6.47	53.59
87.60	6.92	4,511,038	0.100	0.05	6.97	57.09
87.70	7.43	4,780,249	0.104	0.05	7.49	60.60
87.80	7.96	5,048,102	0.107	0.05	8.01	64.10
87.90	8.49	5,313,906	0.110	0.06	8.55	67.59
88.00	9.04	5,576,953	0.113	0.06	9.10	71.06
88.10	9.65	5,836,511	0.116	0.06	9.71	74.56

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB3
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	25ft + O (ft ³ /s)
88.20	10.17	6,091.821	0.120	0.06	10.23	77.91
88.30	10.74	6,342.082	0.123	0.06	10.80	81.27
88.40	11.33	6,586.446	0.126	0.06	11.39	84.58
88.50	11.93	6,824.001	0.130	0.07	11.99	87.81
88.60	12.53	7,053.753	0.133	0.07	12.60	90.97
88.70	13.15	7,274.603	0.137	0.07	13.22	94.05
88.80	13.77	7,485.313	0.141	0.07	13.84	97.01
88.90	14.40	7,684.453	0.145	0.07	14.47	99.86
89.00	15.04	7,870.329	0.150	0.08	15.11	102.56
89.10	15.68	8,040.847	0.155	0.08	15.76	105.10
89.20	16.33	8,193.277	0.160	0.08	16.42	107.45
89.30	16.99	8,323.740	0.167	0.08	17.07	109.56
89.40	17.65	8,425.808	0.175	0.09	17.74	111.36
89.50	18.31	8,482.300	0.195	0.10	18.41	112.66

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB3 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
85.50	0.0	0.00
85.51	8.6	0.00
85.60	857.4	0.01
85.70	1,217.8	0.01
85.80	1,498.0	0.02
85.90	1,737.5	0.02
86.00	1,951.4	0.02
86.10	2,147.6	0.02
86.20	2,330.7	0.03
86.30	2,503.7	0.03
86.40	2,668.8	0.03
86.50	2,827.4	0.03
86.60	2,980.9	0.03
86.70	3,130.1	0.04
86.80	3,275.7	0.04
86.90	3,418.5	0.04
87.00	3,558.9	0.04
87.10	3,697.5	0.04
87.20	3,834.6	0.04
87.30	3,970.7	0.05
87.40	4,106.1	0.05
87.50	4,241.2	0.05
87.60	4,376.2	0.05
87.70	4,511.6	0.05
87.80	4,647.7	0.05
87.90	4,784.8	0.06
88.00	4,923.4	0.06
88.10	5,063.8	0.06
88.20	5,206.6	0.06
88.30	5,352.2	0.06
88.40	5,501.4	0.06
88.50	5,654.9	0.07
88.60	5,813.5	0.07
88.70	5,978.6	0.07
88.80	6,151.6	0.07
88.90	6,334.7	0.07
89.00	6,530.9	0.08
89.10	6,744.8	0.08
89.20	6,984.3	0.08
89.30	7,264.5	0.08
89.40	7,624.9	0.09
89.50	8,482.3	0.10

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB3 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
85.50 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.43 ft³/s	Time to Peak (Flow, In)	12.450 hours
Infiltration (Peak)	0.02 ft³/s	Time to Peak (Infiltration)	17.050 hours
Flow (Peak Outlet)	0.39 ft³/s	Time to Peak (Flow, Outlet)	17.050 hours

Elevation (Water Surface, Peak)		85.84 ft
Volume (Peak)		344.801 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		23,865,000 ft³
Volume (Total Infiltration)		1,386,000 ft³
Volume (Total Outlet Outflow)		22,476,000 ft³
Volume (Retained)		3,000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB3 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
85.50 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.31 ft³/s	Time to Peak (Flow, In)	12.150 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.400 hours
Flow (Peak Outlet)	1.76 ft³/s	Time to Peak (Flow, Outlet)	12.400 hours

Elevation (Water Surface, Peak)		86.37 ft
Volume (Peak)		1,359,567 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		70,156,000 ft³
Volume (Total Infiltration)		2,413,000 ft³
Volume (Total Outlet Outflow)		67,724,000 ft³
Volume (Retained)		17,000 ft³
Volume (Unrouted)		-2,000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB3 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	11.43 ft³/s	Time to Peak (Flow, In)	12.500 hours
Infiltration (Peak)	0.06 ft³/s	Time to Peak (Infiltration)	12.700 hours
Flow (Peak Outlet)	11.02 ft³/s	Time to Peak (Flow, Outlet)	12.700 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	88.35 ft
Volume (Peak)	6,458.461 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	167,033.000 ft³
Volume (Total Infiltration)	3,005.000 ft³
Volume (Total Outlet Outflow)	163,998.000 ft³
Volume (Retained)	26.000 ft³
Volume (Unrouted)	-4.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB3 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB3'

Upstream Link		Upstream Node
Out35		Bio35
Out51		Bio51

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out35	21,197.465	17.850	0.39
Flow (From)	Out51	2,667.407	12.450	0.43
Flow (In)	UGB3	23,864.872	12.450	0.43

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB3 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB3'

Upstream Link		Upstream Node	
Out35		Bio35	
Out51		Bio51	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out35	60,592,898	15.250	1.21
Flow (From)	Out51	9,563,269	12.100	2.23
Flow (In)	UGB3	70,156,167	12.150	2.31

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB3 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB3'

Upstream Link		Upstream Node	
Out35		Bio35	
Out51		Bio51	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out35	140,001,703	12.700	9.14
Flow (From)	Out51	27,031,295	12.100	6.21
Flow (In)	UGB3	167,032,998	12.500	11.43

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB31
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
92.60	0.00	0.000	0.000	0.00	0.00	0.00
92.85	0.00	330.018	0.000	0.00	0.00	3.67
93.10	0.00	666.747	0.000	0.00	0.00	7.41
93.35	0.19	1,366.095	0.000	0.00	0.19	15.36
93.60	0.68	2,062.945	0.000	0.00	0.68	23.60
93.85	1.38	2,751.803	0.000	0.00	1.38	31.95
94.10	2.00	3,431.184	0.000	0.00	2.00	40.13
94.35	2.40	4,095.296	0.000	0.00	2.40	47.90
94.60	2.73	4,741.876	0.000	0.00	2.73	55.42
94.85	3.03	5,361.602	0.000	0.00	3.03	62.60
95.10	3.30	5,947.744	0.000	0.00	3.30	69.39
95.35	3.55	6,472.379	0.000	0.00	3.55	75.47
95.60	3.79	6,914.236	0.000	0.00	3.79	80.61
95.85	4.01	7,331.446	0.000	0.00	4.01	85.47
96.10	4.22	7,755.943	0.000	0.00	4.22	90.40

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB31 (1IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.90 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.44 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours
Elevation (Water Surface, Peak)	93.87 ft		
Volume (Peak)	2,818.153 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	9,536.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	8,869.000 ft³		
Volume (Retained)	667.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB31 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.47 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.18 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	94.21 ft
Volume (Peak)	3,722.398 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,068.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	14,401.000 ft³
Volume (Retained)	667.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB31 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.70 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.23 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	95.04 ft
Volume (Peak)	5,798.837 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	26,466.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	25,800.000 ft³
Volume (Retained)	667.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB31 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB31'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA31 Perv	
<Catchment to Outflow Node>		DA31 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA31 Perv	3,103.713	12.000	0.89
Flow (From)	DA31 Imp	6,432.192	12.000	2.01
Flow (In)	UGB31	9,535.906	12.000	2.90

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB31 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB31'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA31 Perv	
<Catchment to Outflow Node>		DA31 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA31 Perv	4,864.024	12.000	1.36
Flow (From)	DA31 Imp	10,203.815	12.000	3.11
Flow (In)	UGB31	15,067.838	12.000	4.47

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB31 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB31'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA31 Perv	
<Catchment to Outflow Node>		DA31 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA31 Perv	8,487,235	12,000	2.34
Flow (From)	DA31 Imp	17,979,110	12,000	5.36
Flow (In)	UGB31	26,466,344	12,000	7.70

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB32
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
109.75 ft	
Volume (Initial)	
0.000 ft³	
Flow (Initial Outlet)	
0.00 ft³/s	
Flow (Initial Infiltration)	
0.00 ft³/s	
Flow (Initial, Total)	
0.00 ft³/s	
Time Increment	
0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
109.75	0.00	0.000	0.000	0.00	0.00	0.00
110.00	0.00	1,028,256	0.000	0.00	0.00	11.43
110.25	0.00	2,068,919	0.000	0.00	0.00	22.99
110.50	0.00	4,267,923	0.000	0.00	0.00	47.42
110.75	0.56	6,449,450	0.000	0.00	0.56	72.22
111.00	1.59	8,594,895	0.000	0.00	1.59	97.09
111.25	2.92	10,700,163	0.000	0.00	2.92	121.81
111.50	4.50	12,745,666	0.000	0.00	4.50	146.12
111.75	6.29	14,724,823	0.000	0.00	6.29	169.90
112.00	8.27	16,606,658	0.000	0.00	8.27	192.79
112.25	10.42	18,370,211	0.000	0.00	10.42	214.53
112.50	12.73	19,924,550	0.000	0.00	12.73	234.11
112.75	15.19	21,201,878	0.000	0.00	15.19	250.76
113.00	17.79	22,388,534	0.000	0.00	17.79	266.55
113.25	20.52	23,588,173	0.000	0.00	20.52	282.61

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: UGB32 (IN)

Scenario: 2YR

Return Event: 2 years

Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	8.10 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.01 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	111.26 ft
Volume (Peak)	10,813.423 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	25,712.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	21,444.000 ft³
Volume (Retained)	4,268.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary

Label: UGB32 (IN)

Scenario: 10YR

Return Event: 10 years

Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	12.77 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	5.71 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	111.67 ft
Volume (Peak)	14,094.283 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	41,307.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	37,040.000 ft³
Volume (Retained)	4,268.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB32 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	22.46 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	12.15 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	112.44 ft
Volume (Peak)	19,566.518 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	73,993.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	69,725.000 ft³
Volume (Retained)	4,268.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB32 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB32'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA32 Imp
<Catchment to Outflow Node>	DA32 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA32 Imp	25,288.520	12.000	7.97
Flow (From)	DA32 Perv	423.433	12.000	0.13
Flow (In)	UGB32	25,711.953	12.000	8.10

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB32 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB32'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA32 Imp	
<Catchment to Outflow Node>		DA32 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA32 Imp	40,114.392	12.000	12.33
Flow (From)	DA32 Perv	1,193.091	12.000	0.44
Flow (In)	UGB32	41,307.483	12.000	12.77

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB32 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB32'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA32 Imp	
<Catchment to Outflow Node>		DA32 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA32 Imp	70,678.821	12.000	21.23
Flow (From)	DA32 Perv	3,314.095	12.000	1.23
Flow (In)	UGB32	73,992.916	12.000	22.46

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB33
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
105.82	0.00	0.000	0.000	0.00	0.00	0.00
106.07	0.00	226.411	0.000	0.00	0.00	2.52
106.32	0.00	459.077	0.000	0.00	0.00	5.10
106.40	0.00	611.279	0.000	0.00	0.00	6.79
106.57	0.32	935.435	0.000	0.00	0.32	10.71
106.82	1.22	1,411.941	0.000	0.00	1.22	16.91
107.07	2.47	1,885.100	0.000	0.00	2.47	23.41
107.32	3.97	2,353.786	0.000	0.00	3.97	30.12
107.57	5.69	2,814.308	0.000	0.00	5.69	36.97
107.82	7.61	3,265.020	0.000	0.00	7.61	43.89
108.07	9.71	3,699.879	0.000	0.00	9.71	50.82
108.32	11.97	4,114.257	0.000	0.00	11.97	57.69
108.57	14.38	4,489.716	0.000	0.00	14.38	64.27
108.82	16.94	4,811.931	0.000	0.00	16.94	70.41
109.07	19.63	5,119.834	0.000	0.00	19.63	76.52
109.32	22.45	5,434.568	0.000	0.00	22.45	82.84

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB33 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.20 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.63 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours
Elevation (Water Surface, Peak)	107.26 ft		
Volume (Peak)	2,247,987 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	28,863,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	28,252,000 ft³		
Volume (Retained)	611,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB33 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.86 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	7.01 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	107.74 ft
Volume (Peak)	3,124.626 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	49,720.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	49,109.000 ft³
Volume (Retained)	611.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB33 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	16.12 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	14.97 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	108.63 ft
Volume (Peak)	4,568.214 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	93,780.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	93,169.000 ft³
Volume (Retained)	611.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB33 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB33'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA33 Perv	
Out32		UGB32	
Out34		UGB34	
<Catchment to Outflow Node>		DA33 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA33 Perv	173.008	12.000	0.05
Flow (From)	Out32	21,444.029	12.050	3.01
Flow (From)	Out34	3,337.679	12.150	0.35
Flow (From)	DA33 Imp	3,908.667	12.000	1.20
Flow (In)	UGB33	28,863.382	12.000	4.20

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB33 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB33'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA33 Perv	
Out32		UGB32	
Out34		UGB34	
<Catchment to Outflow Node>		DA33 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA33 Perv	487.685	12.000	0.18
Flow (From)	Out32	37,039.561	12.050	5.71
Flow (From)	Out34	6,067.827	12.100	0.79
Flow (From)	DA33 Imp	6,125.408	12.000	1.85
Flow (In)	UGB33	49,720.481	12.000	7.86

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB33 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB33'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA33 Perv	
Out32		UGB32	
Out34		UGB34	
<Catchment to Outflow Node>		DA33 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA33 Perv	1,355,110	12,000	0.50
Flow (From)	Out32	69,724,993	12,050	12.15
Flow (From)	Out34	12,012,269	12,100	1.47
Flow (From)	DA33 Imp	10,688,106	12,000	3.17
Flow (In)	UGB33	93,780,478	12,000	16.12

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB34
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
109.50	0.00	0.000	0.000	0.00	0.00	0.00
109.75	0.00	391.888	0.000	0.00	0.00	4.35
110.00	0.00	793.495	0.000	0.00	0.00	8.82
110.25	0.16	1,583.242	0.000	0.00	0.16	17.75
110.50	0.58	2,349.867	0.000	0.00	0.58	26.69
110.75	1.08	3,074.183	0.000	0.00	1.08	35.24
111.00	1.37	3,740.357	0.000	0.00	1.37	42.93
111.25	1.61	4,278.202	0.000	0.00	1.61	49.14
111.50	1.81	4,749.415	0.000	0.00	1.81	54.59
111.75	2.00	5,223.702	0.000	0.00	2.00	60.04
111.83	2.06	5,383.854	0.000	0.00	2.06	61.88

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB34 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.30 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.35 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	110.36 ft
Volume (Peak)	1,938.998 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	4,131.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	3,338.000 ft³
Volume (Retained)	793.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB34 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.14 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.79 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	110.61 ft
Volume (Peak)	2,660.224 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	6,861.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	6,068.000 ft³
Volume (Retained)	793.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB34 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.97 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.47 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	111.11 ft
Volume (Peak)	3,991.745 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	12,806.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	12,012.000 ft³
Volume (Retained)	793.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB34 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB34'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA34 Perv
<Catchment to Outflow Node>	DA34 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA34 Perv	249.515	12.000	0.08
Flow (From)	DA34 Imp	3,881.660	12.000	1.22
Flow (In)	UGB34	4,131.174	12.000	1.30

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB34 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB34'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA34 Perv	
<Catchment to Outflow Node>		DA34 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA34 Perv	703.728	12.000	0.25
Flow (From)	DA34 Imp	6,157.597	12.000	1.89
Flow (In)	UGB34	6,861.324	12.000	2.14

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB34 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB34'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA34 Perv	
<Catchment to Outflow Node>		DA34 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA34 Perv	1,956.236	12.000	0.72
Flow (From)	DA34 Imp	10,849.527	12.000	3.25
Flow (In)	UGB34	12,805.763	12.000	3.97

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB37
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
103.50	0.00	0.000	0.000	0.00	0.00	0.00
103.75	0.00	226.411	0.000	0.00	0.00	2.52
104.00	0.00	459.077	0.000	0.00	0.00	5.10
104.25	0.00	935.435	0.000	0.00	0.00	10.39
104.50	0.00	1,411.941	0.000	0.00	0.00	15.69
104.75	0.38	1,885.100	0.000	0.00	0.38	21.32
105.00	1.06	2,353.786	0.000	0.00	1.06	27.21
105.25	1.95	2,814.308	0.000	0.00	1.95	33.22
105.50	3.00	3,265.020	0.000	0.00	3.00	39.28
105.75	4.19	3,699.879	0.000	0.00	4.19	45.30
106.00	5.51	4,114.257	0.000	0.00	5.51	51.23
106.25	6.95	4,489.716	0.000	0.00	6.95	56.83
106.50	8.49	4,811.931	0.000	0.00	8.49	61.95
106.75	10.13	5,119.834	0.000	0.00	10.13	67.01
107.00	11.86	5,434.568	0.000	0.00	11.86	72.24

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB37 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.29 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.51 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours
Elevation (Water Surface, Peak)	104.80 ft		
Volume (Peak)	1,979.360 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	4,227.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	2,815.000 ft³		
Volume (Retained)	1,412.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB37 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.16 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.32 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		105.07 ft
Volume (Peak)		2,490.826 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	7,132.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	5,720.000 ft³	
Volume (Retained)	1,412.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB37 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.07 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.79 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		105.45 ft
Volume (Peak)		3,174.181 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	13,557.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	12,145.000 ft³	
Volume (Retained)	1,412.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB37 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB37'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA37 Imp	
<Catchment to Outflow Node>		DA37 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA37 Imp	3,881,783	12,000	1.22
Flow (From)	DA37 Perv	345,267	12,050	0.08
Flow (In)	UGB37	4,227,050	12,000	1.29

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB37 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB37'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA37 Imp	
<Catchment to Outflow Node>		DA37 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA37 Imp	6,157,607	12,000	1.89
Flow (From)	DA37 Perv	973,908	12,050	0.28
Flow (In)	UGB37	7,131,515	12,000	2.16

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB37 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB37'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA37 Imp	
<Catchment to Outflow Node>		DA37 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA37 Imp	10,849,345	12.000	3.26
Flow (From)	DA37 Perv	2,707,645	12.000	0.81
Flow (In)	UGB37	13,556,991	12.000	4.07

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB4
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5900 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	85.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
85.10	0.00	0.000	0.092	0.00	0.00	0.00
85.35	0.00	405.316	0.094	0.05	0.05	4.55
85.60	0.00	817.457	0.095	0.05	0.05	9.13
85.85	0.00	1,679.191	0.097	0.05	0.05	18.71
86.10	0.00	2,536.268	0.099	0.05	0.05	28.23
86.35	0.38	3,381.707	0.100	0.05	0.43	38.00
86.60	1.06	4,213.780	0.102	0.05	1.11	47.93
86.85	1.95	5,025.134	0.104	0.05	2.00	57.84
87.10	3.00	5,813.075	0.106	0.05	3.05	67.64
87.35	4.19	6,565.855	0.107	0.05	4.25	77.20
87.60	5.51	7,275.221	0.109	0.05	5.57	86.40
87.85	6.95	7,906.278	0.111	0.06	7.00	94.85
88.10	8.49	8,432.679	0.112	0.06	8.54	102.24
88.35	10.13	8,926.615	0.114	0.06	10.18	109.37
88.60	11.86	9,427.952	0.116	0.06	11.92	116.67

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB4 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.10	4,016.4	0.00
85.35	4,087.2	0.05
85.60	4,158.5	0.05
85.85	4,230.4	0.05
86.10	4,302.7	0.05
86.35	4,375.6	0.05
86.60	4,448.9	0.05
86.85	4,522.7	0.05
87.10	4,597.1	0.05
87.35	4,671.9	0.05
87.60	4,747.3	0.05
87.85	4,823.1	0.06
88.10	4,899.4	0.06
88.35	4,976.3	0.06
88.60	5,053.6	0.06

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB4 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5900 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.07 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.05 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	0.81 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	86.51 ft
Volume (Peak)	3,912.014 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,495,000 ft³
Volume (Total Infiltration)	5,465,000 ft³
Volume (Total Outlet Outflow)	4,029,000 ft³
Volume (Retained)	2,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB4 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
85.10 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.94 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.05 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	2.48 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		86.98 ft
Volume (Peak)		5,428.070 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		15,594.000 ft³
Volume (Total Infiltration)		5,963.000 ft³
Volume (Total Outlet Outflow)		9,629.000 ft³
Volume (Retained)		3.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB4 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
85.10 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	8.86 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.05 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	5.43 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		87.59 ft
Volume (Peak)		7,233.748 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		28,556.000 ft³
Volume (Total Infiltration)		6,406.000 ft³
Volume (Total Outlet Outflow)		22,146.000 ft³
Volume (Retained)		3.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB4 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB4'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA4 Imp	
<Catchment to Outflow Node>		DA4 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA4 Imp	9,204.486	12.000	2.97
Flow (From)	DA4 Perv	290.746	12.000	0.09
Flow (In)	UGB4	9,495.232	12.000	3.07

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB4 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB4'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA4 Imp	
<Catchment to Outflow Node>		DA4 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA4 Imp	14,776.947	12.000	4.63
Flow (From)	DA4 Perv	817.270	12.000	0.30
Flow (In)	UGB4	15,594.217	12.000	4.94

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB4 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB4'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA4 Imp	
<Catchment to Outflow Node>		DA4 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA4 Imp	26,289,701	12,000	8.01
Flow (From)	DA4 Perv	2,265,956	12,000	0.85
Flow (In)	UGB4	28,555,657	12,000	8.86

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB41
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
104.00	0.00	0.000	0.000	0.00	0.00	0.00
104.50	0.00	78.338	0.000	0.00	0.00	0.87
104.79	0.00	163.653	0.000	0.00	0.00	1.82
105.00	0.12	225.426	0.000	0.00	0.12	2.62
105.50	1.03	367.332	0.000	0.00	1.03	5.11
106.00	1.57	487.180	0.000	0.00	1.57	6.99
106.33	1.85	568.897	0.000	0.00	1.85	8.17

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB41 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	0.60 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.55 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	105.24 ft
Volume (Peak)	294.546 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	1,858.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	1,695.000 ft³
Volume (Retained)	164.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB41 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	0.96 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.88 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	105.42 ft
Volume (Peak)	345.215 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	3,030.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	2,866.000 ft³
Volume (Retained)	164.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB41 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.70 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.48 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	105.91 ft
Volume (Peak)	467.074 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	5,499.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	5,335.000 ft³
Volume (Retained)	164.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB41 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB41'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA41 Imp
<Catchment to Outflow Node>	DA41 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA41 Imp	1,819.491	12.000	0.59
Flow (From)	DA41 Perv	38.766	12.000	0.01
Flow (In)	UGB41	1,858.258	12.000	0.60

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB41 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB41'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA41 Imp	
<Catchment to Outflow Node>		DA41 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA41 Imp	2,921,024	12,000	0.92
Flow (From)	DA41 Perv	108,969	12,000	0.04
Flow (In)	UGB41	3,029,994	12,000	0.96

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB41 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB41'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA41 Imp	
<Catchment to Outflow Node>		DA41 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA41 Imp	5,196,801	12,000	1.58
Flow (From)	DA41 Perv	302,128	12,000	0.11
Flow (In)	UGB41	5,498,929	12,000	1.70

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB42
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	95.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
95.00	0.00	0.000	0.000	0.00	0.00	0.00
95.25	0.00	196.849	0.000	0.00	0.00	2.19
95.50	0.00	399.269	0.000	0.00	0.00	4.44
95.75	0.00	813.059	0.000	0.00	0.00	9.03
96.00	0.00	1,227.140	0.000	0.00	0.00	13.63
96.25	0.28	1,638.504	0.000	0.00	0.28	18.49
96.50	0.80	2,046.168	0.000	0.00	0.80	23.53
96.75	1.46	2,446.954	0.000	0.00	1.46	28.65
97.00	2.25	2,839.426	0.000	0.00	2.25	33.80
97.25	3.14	3,218.371	0.000	0.00	3.14	38.90
97.50	4.13	3,579.767	0.000	0.00	4.13	43.91
97.75	5.21	3,907.659	0.000	0.00	5.21	48.63
98.00	6.36	4,189.620	0.000	0.00	6.36	52.92
98.25	7.59	4,459.417	0.000	0.00	7.59	57.14
98.50	8.89	4,735.361	0.000	0.00	8.89	61.51

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB42 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	95.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.00 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.10 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours
Elevation (Water Surface, Peak)	96.61 ft		
Volume (Peak)	2,228.772 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	5,993.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	4,765.000 ft³		
Volume (Retained)	1,227.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB42 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	95.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.40 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.17 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	96.97 ft
Volume (Peak)	2,798.678 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	10,355.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	9,128.000 ft³
Volume (Retained)	1,227.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB42 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	95.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.41 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	4.60 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	97.61 ft
Volume (Peak)	3,727.828 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	19,941.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	18,714.000 ft³
Volume (Retained)	1,227.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB42 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB42'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA42 Perv	
<Catchment to Outflow Node>		DA42 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA42 Perv	423.841	12.000	0.13
Flow (From)	DA42 Imp	5,568.748	12.000	1.86
Flow (In)	UGB42	5,992.589	12.000	2.00

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB42 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB42'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA42 Perv	
<Catchment to Outflow Node>		DA42 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA42 Perv	1,193.874	12.000	0.44
Flow (From)	DA42 Imp	9,161.213	12.000	2.96
Flow (In)	UGB42	10,355.088	12.000	3.40

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB42 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB42'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA42 Perv	
<Catchment to Outflow Node>		DA42 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA42 Perv	3,315,468	12,000	1.23
Flow (From)	DA42 Imp	16,625,919	12,000	5.17
Flow (In)	UGB42	19,941,387	12,000	6.41

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB43
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
98.00	0.00	0.000	0.048	0.00	0.00	0.00
98.25	0.00	211.630	0.049	0.02	0.02	2.38
98.50	0.00	429.173	0.051	0.03	0.03	4.79
98.75	0.00	874.247	0.052	0.03	0.03	9.74
99.00	0.00	1,319.541	0.054	0.03	0.03	14.69
99.25	0.38	1,761.802	0.055	0.03	0.40	19.98
99.50	1.06	2,199.977	0.056	0.03	1.09	25.53
99.75	1.95	2,630.631	0.058	0.03	1.98	31.21
100.00	3.00	3,052.223	0.059	0.03	3.03	36.94
100.25	4.19	3,459.125	0.061	0.03	4.22	42.66
100.50	5.51	3,847.012	0.062	0.03	5.54	48.29
100.75	6.95	4,198.688	0.064	0.03	6.98	53.63
101.00	8.49	4,500.775	0.066	0.03	8.52	58.53
101.25	10.13	4,789.626	0.067	0.03	10.16	63.38
101.50	11.86	5,084.964	0.069	0.03	11.89	68.39

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB43 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
98.00	2,084.4	0.00
98.25	2,145.8	0.02
98.50	2,207.6	0.03
98.75	2,270.0	0.03
99.00	2,332.8	0.03
99.25	2,396.1	0.03
99.50	2,460.0	0.03
99.75	2,524.3	0.03
100.00	2,589.2	0.03
100.25	2,654.5	0.03
100.50	2,720.3	0.03
100.75	2,786.7	0.03
101.00	2,853.5	0.03
101.25	2,920.9	0.03
101.50	2,988.7	0.03

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB43 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	0.5000 m/h		
Initial Conditions			
Elevation (Water Surface, Initial)	98.00 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.60 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	14.600 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours
Elevation (Water Surface, Peak)	98.83 ft		
Volume (Peak)	1,020.846 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	1,985.000 ft³		
Volume (Total Infiltration)	1,985.000 ft³		
Volume (Total Outlet Outflow)	0.000 ft³		
Volume (Retained)	0.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB43 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
98.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.08 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.600 hours
Flow (Peak Outlet)	0.25 ft³/s	Time to Peak (Flow, Outlet)	12.600 hours

Elevation (Water Surface, Peak)		98.17 ft
Volume (Peak)		1,614.585 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		4,254.000 ft³
Volume (Total Infiltration)		2,697.000 ft³
Volume (Total Outlet Outflow)		1,556.000 ft³
Volume (Retained)		1.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB43 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
98.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.16 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	1.95 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)		99.75 ft
Volume (Peak)		2,629.702 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		10,319.000 ft³
Volume (Total Infiltration)		3,129.000 ft³
Volume (Total Outlet Outflow)		7,188.000 ft³
Volume (Retained)		1.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB43 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB43'

Upstream Link		Upstream Node	
Out44		UGB44	
<Catchment to Outflow Node>		DA43 Imp	
<Catchment to Outflow Node>		DA43 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out44	0.000	0.000	0.00
Flow (From)	DA43 Imp	1,494.935	12.000	0.46
Flow (From)	DA43 Perv	490.007	12.000	0.14
Flow (In)	UGB43	1,984.942	12.000	0.60

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB43 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB43'

Upstream Link		Upstream Node	
Out44		UGB44	
<Catchment to Outflow Node>		DA43 Imp	
<Catchment to Outflow Node>		DA43 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out44	736.587	12.450	0.15
Flow (From)	DA43 Imp	2,342.615	12.000	0.71
Flow (From)	DA43 Perv	1,174.909	12.000	0.37
Flow (In)	UGB43	4,254.111	12.000	1.08

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB43 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB43'

Upstream Link		Upstream Node	
Out44		UGB44	
<Catchment to Outflow Node>		DA43 Imp	
<Catchment to Outflow Node>		DA43 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out44	3,326,760	12.050	1.12
Flow (From)	DA43 Imp	4,087,419	12.000	1.22
Flow (From)	DA43 Perv	2,904,541	12.000	0.92
Flow (In)	UGB43	10,318,720	12.000	3.16

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB44
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	
101.00 ft	
Volume (Initial)	
0.000 ft³	
Flow (Initial Outlet)	
0.00 ft³/s	
Flow (Initial Infiltration)	
0.00 ft³/s	
Flow (Initial, Total)	
0.00 ft³/s	
Time Increment	
0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
101.00	0.00	0.000	0.048	0.00	0.00	0.00
101.25	0.00	211.630	0.049	0.02	0.02	2.38
101.50	0.00	429.173	0.051	0.03	0.03	4.79
101.75	0.00	874.247	0.052	0.03	0.03	9.74
102.00	0.00	1,319.541	0.054	0.03	0.03	14.69
102.25	0.38	1,761.802	0.055	0.03	0.40	19.98
102.50	1.06	2,199.977	0.056	0.03	1.09	25.53
102.75	1.95	2,630.631	0.058	0.03	1.98	31.21
103.00	3.00	3,052.223	0.059	0.03	3.03	36.94
103.25	4.19	3,459.125	0.061	0.03	4.22	42.66
103.50	5.51	3,847.012	0.062	0.03	5.54	48.29
103.75	6.95	4,198.688	0.064	0.03	6.98	53.63
104.00	8.49	4,500.775	0.066	0.03	8.52	58.53
104.25	10.13	4,789.626	0.067	0.03	10.16	63.38
104.50	11.86	5,084.964	0.069	0.03	11.89	68.39

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB44 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
101.00	2,084.4	0.00
101.25	2,145.8	0.02
101.50	2,207.6	0.03
101.75	2,270.0	0.03
102.00	2,332.8	0.03
102.25	2,396.1	0.03
102.50	2,460.0	0.03
102.75	2,524.3	0.03
103.00	2,589.2	0.03
103.25	2,654.5	0.03
103.50	2,720.3	0.03
103.75	2,786.7	0.03
104.00	2,853.5	0.03
104.25	2,920.9	0.03
104.50	2,988.7	0.03

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB44 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5900 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	0.65 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	14.500 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	101.83 ft
Volume (Peak)	1,022.016 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	1,855.000 ft³
Volume (Total Infiltration)	1,855.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB44 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
101.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.11 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.450 hours
Flow (Peak Outlet)	0.15 ft³/s	Time to Peak (Flow, Outlet)	12.450 hours

Elevation (Water Surface, Peak)		102.10 ft
Volume (Peak)		1,491.172 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		3,268.000 ft³
Volume (Total Infiltration)		2,531.000 ft³
Volume (Total Outlet Outflow)		737.000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB44 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
101.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.06 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.050 hours
Flow (Peak Outlet)	1.12 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		102.52 ft
Volume (Peak)		2,229.303 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		6,320.000 ft³
Volume (Total Infiltration)		2,992.000 ft³
Volume (Total Outlet Outflow)		3,327.000 ft³
Volume (Retained)		1.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB44 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB44'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA44 Perv	
<Catchment to Outflow Node>		DA44 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA44 Perv	58.045	12.000	0.02
Flow (From)	DA44 Imp	1,797,421	12.000	0.63
Flow (In)	UGB44	1,855,466	12.000	0.65

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB44 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB44'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA44 Perv	
<Catchment to Outflow Node>		DA44 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA44 Perv	163,249	12.000	0.06
Flow (From)	DA44 Imp	3,104,804	12.000	1.05
Flow (In)	UGB44	3,268,054	12.000	1.11

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB44 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB44'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA44 Perv	
<Catchment to Outflow Node>		DA44 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA44 Perv	452.823	12.000	0.17
Flow (From)	DA44 Imp	5,866.759	12.000	1.89
Flow (In)	UGB44	6,319.582	12.000	2.06

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB46
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
Volume (Initial)	
Flow (Initial Outlet)	
Flow (Initial Infiltration)	
Flow (Initial, Total)	
Time Increment	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
103.00	0.00	0.000	0.000	0.00	0.00	0.00
103.25	0.00	58.667	0.000	0.00	0.00	0.65
103.50	0.00	120.399	0.000	0.00	0.00	1.34
103.75	0.19	240.770	0.000	0.00	0.19	2.86
104.00	0.68	362.855	0.000	0.00	0.68	4.71
104.25	1.38	486.017	0.000	0.00	1.38	6.78
104.50	2.00	609.888	0.000	0.00	2.00	8.78
104.75	2.40	733.791	0.000	0.00	2.40	10.55
105.00	2.73	857.232	0.000	0.00	2.73	12.26
105.25	3.03	978.991	0.000	0.00	3.03	13.91
105.50	3.30	1,097.871	0.000	0.00	3.30	15.50
105.75	3.55	1,209.767	0.000	0.00	3.55	17.00
106.00	3.79	1,311.212	0.000	0.00	3.79	18.36
106.25	4.01	1,411.495	0.000	0.00	4.01	19.69
106.50	4.22	1,515.419	0.000	0.00	4.22	21.06

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB46 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.14 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.99 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	104.11 ft
Volume (Peak)	417.651 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	3,688.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	3,567.000 ft³
Volume (Retained)	120.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB46 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.88 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.63 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	104.35 ft
Volume (Peak)	535.683 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	6,157.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	6,037.000 ft³
Volume (Retained)	120.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB46 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.48 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.70 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	104.97 ft
Volume (Peak)	843.850 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	11,565,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	11,445,000 ft³
Volume (Retained)	120,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB46 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB46'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA46 Perv
<Catchment to Outflow Node>	DA46 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA46 Perv	249,353	12.050	0.06
Flow (From)	DA46 Imp	3,438,254	12.000	1.08
Flow (In)	UGB46	3,687,607	12.000	1.14

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB46 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB46'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA46 Perv	
<Catchment to Outflow Node>		DA46 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA46 Perv	703.417	12.050	0.20
Flow (From)	DA46 Imp	5,453.990	12.000	1.68
Flow (In)	UGB46	6,157.407	12.000	1.88

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB46 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB46'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA46 Perv	
<Catchment to Outflow Node>		DA46 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA46 Perv	1,955.702	12.000	0.60
Flow (From)	DA46 Imp	9,609.554	12.000	2.89
Flow (In)	UGB46	11,565.256	12.000	3.48

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB47
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
108.00	0.00	0.000	0.000	0.00	0.00	0.00
108.25	0.00	211.630	0.000	0.00	0.00	2.35
108.50	0.00	429.173	0.000	0.00	0.00	4.77
108.75	0.19	874.247	0.000	0.00	0.19	9.90
109.00	0.68	1,319.541	0.000	0.00	0.68	15.34
109.25	1.38	1,761.802	0.000	0.00	1.38	20.95
109.50	2.00	2,199.977	0.000	0.00	2.00	26.45
109.75	2.40	2,630.631	0.000	0.00	2.40	31.63
110.00	2.73	3,052.223	0.000	0.00	2.73	36.65
110.25	3.03	3,459.125	0.000	0.00	3.03	41.47
110.50	3.30	3,847.012	0.000	0.00	3.30	46.05
110.75	3.55	4,198.688	0.000	0.00	3.55	50.21
111.00	3.79	4,500.775	0.000	0.00	3.79	53.80
111.25	4.01	4,789.626	0.000	0.00	4.01	57.23
111.50	4.22	5,084.964	0.000	0.00	4.22	60.72

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB47 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.86 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.08 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours
Elevation (Water Surface, Peak)	109.15 ft		
Volume (Peak)	1,578.151 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	6,453.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	6,024.000 ft³		
Volume (Retained)	429.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB47 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.04 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.85 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	109.44 ft
Volume (Peak)	2,091.733 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	10,947.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	10,518.000 ft³
Volume (Retained)	429.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB47 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	5.60 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.00 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	110.22 ft
Volume (Peak)	3,411.445 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	20,942.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	20,512.000 ft³
Volume (Retained)	429.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB47 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB47'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA47 Imp	
<Catchment to Outflow Node>		DA47- Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA47 Imp	5,877.196	12.000	1.81
Flow (From)	DA47- Perv	575.582	12.150	0.09
Flow (In)	UGB47	6,452.778	12.000	1.86

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB47 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB47'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA47 Imp	
<Catchment to Outflow Node>		DA47- Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA47 Imp	9,323.396	12.000	2.81
Flow (From)	DA47- Perv	1,623.560	12.100	0.35
Flow (In)	UGB47	10,946.957	12.000	3.04

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB47 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB47'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA47 Imp	
<Catchment to Outflow Node>		DA47- Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA47 Imp	16,427,832	12.000	4.84
Flow (From)	DA47- Perv	4,513,707	12.100	1.06
Flow (In)	UGB47	20,941,539	12.000	5.60

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB48
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
Volume (Initial)	
Flow (Initial Outlet)	
Flow (Initial Infiltration)	
Flow (Initial, Total)	
Time Increment	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
100.90	0.00	0.000	0.000	0.00	0.00	0.00
101.15	0.00	49,217	0.000	0.00	0.00	0.55
101.40	0.00	100,702	0.000	0.00	0.00	1.12
101.50	0.00	141,047	0.000	0.00	0.00	1.57
101.65	0.08	202,067	0.000	0.00	0.08	2.33
101.90	0.57	304,555	0.000	0.00	0.57	3.96
102.15	1.44	407,599	0.000	0.00	1.44	5.97
102.40	2.59	510,918	0.000	0.00	2.59	8.27
102.65	3.94	613,914	0.000	0.00	3.94	10.76
102.90	5.20	716,193	0.000	0.00	5.20	13.16
103.15	5.98	816,695	0.000	0.00	5.98	15.05
103.40	6.67	914,423	0.000	0.00	6.67	16.83
103.65	7.29	1,005,843	0.000	0.00	7.29	18.47
103.90	7.87	1,088,014	0.000	0.00	7.87	19.96
104.15	8.41	1,168,881	0.000	0.00	8.41	21.39
104.40	8.91	1,252,592	0.000	0.00	8.91	22.83

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB48 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.90 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.73 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.62 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		101.91 ft
Volume (Peak)		310.501 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	2,419.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	2,278.000 ft³	
Volume (Retained)	141.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB48 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.90 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.22 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.08 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)		102.05 ft
Volume (Peak)		364.439 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	4,094.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	3,952.000 ft³	
Volume (Retained)	141.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB48 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.90 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.31 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.07 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	102.29 ft
Volume (Peak)	464.362 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,771.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,630.000 ft³
Volume (Retained)	141.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB48 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB48'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA48 Perv
<Catchment to Outflow Node>	DA48 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA48 Perv	172.608	12.000	0.04
Flow (From)	DA48 Imp	2,246.025	12.000	0.68
Flow (In)	UGB48	2,418.633	12.000	0.73

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB48 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB48'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA48 Perv	
<Catchment to Outflow Node>		DA48 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA48 Perv	486.928	12.000	0.16
Flow (From)	DA48 Imp	3,606.600	12.000	1.07
Flow (In)	UGB48	4,093.528	12.000	1.22

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB48 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB48'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA48 Perv	
<Catchment to Outflow Node>		DA48 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA48 Perv	1,353.832	12.000	0.46
Flow (From)	DA48 Imp	6,417.454	12.000	1.85
Flow (In)	UGB48	7,771.287	12.000	2.31

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB49
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	102.70 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
102.70	0.00	0.000	0.000	0.00	0.00	0.00
102.95	0.00	50.351	0.000	0.00	0.00	0.56
103.20	0.00	100.702	0.000	0.00	0.00	1.12
103.33	0.00	153.703	0.000	0.00	0.00	1.71
103.45	0.05	202.628	0.000	0.00	0.05	2.31
103.70	0.49	304.555	0.000	0.00	0.49	3.88
103.95	1.31	407.737	0.000	0.00	1.31	5.84
104.20	2.44	510.918	0.000	0.00	2.44	8.11
104.45	3.77	613.556	0.000	0.00	3.77	10.58
104.70	5.10	716.193	0.000	0.00	5.10	13.06
104.95	5.89	815.308	0.000	0.00	5.89	14.95
105.20	6.59	914.423	0.000	0.00	6.59	16.75
105.45	7.22	1,001.219	0.000	0.00	7.22	18.35
105.70	7.80	1,088.014	0.000	0.00	7.80	19.89
105.95	8.34	1,170.303	0.000	0.00	8.34	21.35
106.20	8.85	1,252.592	0.000	0.00	8.85	22.77

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB49 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	102.70 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.14 ft³/s	Time to Peak (Flow, In)	12,000 hours
Flow (Peak Outlet)	1.04 ft³/s	Time to Peak (Flow, Outlet)	12,000 hours
Elevation (Water Surface, Peak)	103.87 ft		
Volume (Peak)	372.871 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	3,672.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	3,518.000 ft³		
Volume (Retained)	154.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB49 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	102.70 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.96 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.86 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	104.07 ft
Volume (Peak)	457.642 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	6,251.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	6,097.000 ft³
Volume (Retained)	154.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB49 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	102.70 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.76 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.64 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	104.43 ft
Volume (Peak)	604.182 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	12,006.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	11,852.000 ft³
Volume (Retained)	154.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB49 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB49'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA49 Perv	
<Catchment to Outflow Node>		DA49 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA49 Perv	344.983	12.000	0.10
Flow (From)	DA49 Imp	3,326.747	12.000	1.04
Flow (In)	UGB49	3,671.730	12.000	1.14

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB49 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB49'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA49 Perv	
<Catchment to Outflow Node>		DA49 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA49 Perv	973.430	12.000	0.35
Flow (From)	DA49 Imp	5,277.435	12.000	1.61
Flow (In)	UGB49	6,250.864	12.000	1.96

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB49 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB49'

Upstream Link		Upstream Node
<Catchment to Outflow Node>		DA49 Perv
<Catchment to Outflow Node>		DA49 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (Front)	DA49 Perv	2,706.959	12.000	0.98
Flow (Front)	DA49 Imp	9,298.833	12.000	2.78
Flow (In)	UGB49	12,005.792	12.000	3.76

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB5 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.00	1,062.7	0.00
94.25	1,099.1	0.01
94.50	1,136.1	0.01
94.75	1,173.5	0.01
95.00	1,211.4	0.01
95.25	1,249.8	0.01
95.50	1,288.7	0.01
95.75	1,328.2	0.02
96.00	1,368.1	0.02
96.25	1,408.5	0.02
96.50	1,449.4	0.02
96.75	1,490.8	0.02
96.90	1,515.9	0.02
97.00	1,532.8	0.02
97.25	1,575.2	0.02
97.50	1,618.1	0.02

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB5
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Starting Water Surface computed)	ft
Volume (Starting)	ft ³
Infiltration (Starting ICPM)	ft ³ /s
Outflow (Starting)	ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050
	hours

	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow...	12.000	2.96	0.000	0.00
Infiltration...	12.150	0.00	0.000	0.00
Pond Outflow...	12.150	1.88	0.000	0.00
Total Volume In Total Volume Out				
	Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow...	13,691.000	Forward	0.000	Reverse
Infiltration...	0.000	Reverse	1,642.000	Forward
Pond Outflow...	0.000	Reverse	12,071.000	Forward
Mass Balance (ft ³)				

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB5
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Starting Water Surface computed)	94.00
Volume (Starting)	0.000
Infiltration (Starting ICPM)	0.00
Outflow (Starting)	0.00
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050
	hours
	hours

	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.000	5.76	0.000	0.00
Infiltration...	12.050	0.00	0.000	0.00
Pond Outflow...	12.050	5.32	0.000	0.00
			Total Volume In Volume (ft ³)	Total Volume Out Volume (ft ³)
Pond Inflow....	23,839,000	Forward	0.000	Reverse
Infiltration...	0.000	Reverse	1,770,000	Forward
Pond Outflow...	0.000	Reverse	22,027,000	Forward
Mass Balance (ft ³)				

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB5
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.000	97.45
Volume (ft³)	
2,603.000	
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)
11.950	7.58
12.000	0.00
12.000	0.00
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)
0.000	0.00
0.000	0.00
0.000	0.00
Total Volume In	
Volume (ft³)	Direction
43,475.000	Forward
0.000	Reverse
0.000	Reverse
Total Volume Out	
Volume (ft³)	Direction
0.000	Forward
1,896.000	Reverse
41,615.000	Forward
Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	43,475.000 ft³
Volume (Total Out ICPM)	43,510.000 ft³
Volume (Ending)	1.000 ft³
Elevation (Ending)	94.00 ft
Difference	-36.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.1 %

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB50
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
101.00	0.00	0.000	0.000	0.00	0.00	0.00
101.25	0.00	58.667	0.000	0.00	0.00	0.65
101.50	0.00	120.399	0.000	0.00	0.00	1.34
101.75	0.00	240.770	0.000	0.00	0.00	2.68
102.00	0.00	362.855	0.000	0.00	0.00	4.03
102.25	0.19	486.017	0.000	0.00	0.19	5.59
102.50	0.68	609.888	0.000	0.00	0.68	7.45
102.75	1.38	733.791	0.000	0.00	1.38	9.53
103.00	2.00	857.232	0.000	0.00	2.00	11.53
103.25	2.40	978.991	0.000	0.00	2.40	13.27
103.50	2.73	1,097.871	0.000	0.00	2.73	14.93
103.75	3.03	1,209.767	0.000	0.00	3.03	16.47
104.00	3.30	1,311.212	0.000	0.00	3.30	17.87
104.25	3.55	1,411.495	0.000	0.00	3.55	19.24
104.50	3.79	1,515.419	0.000	0.00	3.79	20.63

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB50 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.30 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.13 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	102.66 ft
Volume (Peak)	689.637 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	4,223.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	3,860.000 ft³
Volume (Retained)	363.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB50 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.11 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.81 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	102.92 ft
Volume (Peak)	819.299 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	6,983.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	6,620.000 ft³
Volume (Retained)	363.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB50 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.84 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.92 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	103.66 ft
Volume (Peak)	1,168.851 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	12,965.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	12,602.000 ft³
Volume (Retained)	363.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB50 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB50'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA50 Imp
<Catchment to Outflow Node>	DA50 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA50 Imp	3,992.554	12.000	1.26
Flow (From)	DA50 Perv	230.240	12.050	0.05
Flow (In)	UGB50	4,222.794	12.000	1.30

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB50 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB50'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA50 Imp	
<Catchment to Outflow Node>		DA50 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA50 Imp	6,333,479	12,000	1.94
Flow (From)	DA50 Perv	649,470	12,050	0.18
Flow (In)	UGB50	6,982,949	12,000	2.11

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Page 349 of 420

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB50 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB50'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA50 Imp	
<Catchment to Outflow Node>		DA50 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA50 Imp	11,159,392	12,000	3.35
Flow (From)	DA50 Perv	1,805,636	12,050	0.53
Flow (In)	UGB50	12,965,028	12,000	3.84

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Page 347 of 420

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB54
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
99.00	0.00	0.000	0.000	0.00	0.00	0.00
99.10	0.00	24.080	0.000	0.00	0.00	0.27
99.20	0.00	48.669	0.000	0.00	0.00	0.54
99.30	0.00	73.771	0.000	0.00	0.00	0.82
99.40	0.00	99.390	0.000	0.00	0.00	1.10
99.50	0.00	125.528	0.000	0.00	0.00	1.39
99.60	0.03	173.845	0.000	0.00	0.03	1.97
99.70	0.13	222.060	0.000	0.00	0.13	2.60
99.80	0.29	270.123	0.000	0.00	0.29	3.29
99.90	0.50	317.892	0.000	0.00	0.50	4.03
100.00	0.76	365.227	0.000	0.00	0.76	4.82
100.10	1.07	411.846	0.000	0.00	1.07	5.65
100.20	1.41	457.894	0.000	0.00	1.41	6.50
100.30	1.78	502.997	0.000	0.00	1.78	7.37
100.40	2.17	546.945	0.000	0.00	2.17	8.25
100.50	2.67	589.416	0.000	0.00	2.67	9.22
100.60	2.93	629.051	0.000	0.00	2.93	9.92
100.70	3.16	665.117	0.000	0.00	3.16	10.55
100.80	3.38	699.913	0.000	0.00	3.38	11.16
100.90	3.59	733.947	0.000	0.00	3.59	11.74
101.00	3.78	768.260	0.000	0.00	3.78	12.32
101.10	3.96	803.145	0.000	0.00	3.96	12.89
101.20	4.14	838.603	0.000	0.00	4.14	13.46
101.30	4.31	874.638	0.000	0.00	4.31	14.03
101.33	4.36	886.779	0.000	0.00	4.36	14.22

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB54 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.13 ft³/s	Time to Peak (Flow, In)	12,000 hours
Flow (Peak Outlet)	1.01 ft³/s	Time to Peak (Flow, Outlet)	12,000 hours
Elevation (Water Surface, Peak)	100.08 ft		
Volume (Peak)	402.404 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	3,508.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	3,383.000 ft³		
Volume (Retained)	126.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB54 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.86 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.74 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)		100.29 ft
Volume (Peak)		497.581 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	5,866.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	5,741.000 ft³	
Volume (Retained)	126.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB54 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.43 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	3.18 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)		100.71 ft
Volume (Peak)		667.159 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	10,980.000 ft³	
Volume (Total Infiltration)	0.000 ft³	
Volume (Total Outlet Outflow)	10,854.000 ft³	
Volume (Retained)	126.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB54 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB54'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA54 Perv	
<Catchment to Outflow Node>		DA54 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA54 Perv	192.133	12.000	0.06
Flow (From)	DA54 Imp	3,316.098	12.000	1.07
Flow (In)	UGB54	3,508.232	12.000	1.13

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB54 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB54'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA54 Perv	
<Catchment to Outflow Node>		DA54 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA54 Perv	541.702	12.000	0.20
Flow (From)	DA54 Imp	5,324.674	12.000	1.66
Flow (In)	UGB54	5,866.375	12.000	1.86

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB54 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB54'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA54 Perv	
<Catchment to Outflow Node>		DA54 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA54 Perv	1,505,420	12.000	0.56
Flow (From)	DA54 Imp	9,474,278	12.000	2.88
Flow (In)	UGB54	10,979,698	12.000	3.43

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB55
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
Volume (Initial)	
Flow (Initial Outlet)	
Flow (Initial Infiltration)	
Flow (Initial, Total)	
Time Increment	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
106.00	0.00	0.000	0.000	0.00	0.00	0.00
106.25	0.00	1,399.733	0.000	0.00	0.00	15.55
106.50	0.00	2,811.077	0.000	0.00	0.00	31.23
106.75	0.00	5,814.153	0.000	0.00	0.00	64.60
106.79	0.00	6,292.683	0.000	0.00	0.00	69.92
107.00	0.29	8,787.585	0.000	0.00	0.29	97.93
107.25	0.94	11,705.228	0.000	0.00	0.94	130.99
107.50	1.79	14,561.879	0.000	0.00	1.79	163.59
107.75	3.57	17,330.037	0.000	0.00	3.57	196.13
108.00	6.11	20,001.073	0.000	0.00	6.11	228.35
108.25	9.19	22,531.773	0.000	0.00	9.19	259.54
108.50	12.71	24,893.676	0.000	0.00	12.71	289.30
108.75	16.62	26,960.872	0.000	0.00	16.62	316.18
109.00	20.88	28,640.299	0.000	0.00	20.88	339.10
109.25	25.47	30,188.484	0.000	0.00	25.47	360.89
109.50	30.35	31,748.856	0.000	0.00	30.35	383.12

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB55 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.73 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.49 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)	107.41 ft
Volume (Peak)	13,546.592 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	25,216.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	18,924.000 ft³
Volume (Retained)	6,293.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB55 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	12.27 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	4.40 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	107.83 ft
Volume (Peak)	18,211.818 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	40,555.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	34,262.000 ft³
Volume (Retained)	6,293.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB55 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	21.82 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	11.98 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	108.45 ft
Volume (Peak)	24,415.072 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	72,974.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	66,681.000 ft³
Volume (Retained)	6,293.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB55 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB55'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA55 Imp
<Catchment to Outflow Node>	DA55 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA55 Imp	24,033.955	12.000	7.41
Flow (From)	DA55 Perv	1,182.301	12.050	0.32
Flow (In)	UGB55	25,216.256	12.000	7.73

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB55 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB55'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA55 Imp	
<Catchment to Outflow Node>		DA55 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA55 Imp	37,662,040	12,000	11.39
Flow (From)	DA55 Perv	2,892,515	12,000	0.88
Flow (In)	UGB55	40,554,555	12,000	12.27

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB55 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB55'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA55 Imp	
<Catchment to Outflow Node>		DA55 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA55 Imp	65,713,119	12,000	19.55
Flow (From)	DA55 Perv	7,260,912	12,000	2.27
Flow (In)	UGB55	72,974,030	12,000	21.82

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB56
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
110.00	0.00	0.000	0.000	0.00	0.00	0.00
110.25	0.00	2,158.429	0.000	0.00	0.00	23.98
110.50	0.00	4,331.090	0.000	0.00	0.00	48.12
110.75	0.00	8,970.777	0.000	0.00	0.00	99.68
111.00	0.00	13,560.593	0.000	0.00	0.00	150.67
111.25	0.38	18,059.601	0.000	0.00	0.38	201.04
111.50	1.06	22,460.020	0.000	0.00	1.06	250.62
111.75	1.95	26,718.800	0.000	0.00	1.95	298.82
112.00	3.00	30,822.844	0.000	0.00	3.00	345.48
112.25	4.19	34,704.704	0.000	0.00	4.19	389.80
112.50	5.51	38,320.503	0.000	0.00	5.51	431.29
112.75	7.70	41,474.399	0.000	0.00	7.70	468.52
113.00	10.61	44,022.227	0.000	0.00	10.61	499.74
113.25	14.02	46,361.873	0.000	0.00	14.02	529.15
113.50	17.86	48,716.328	0.000	0.00	17.86	559.15

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB56 (1IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.42 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.29 ft³/s	Time to Peak (Flow, Outlet)	14.500 hours
Elevation (Water Surface, Peak)	111.19 ft		
Volume (Peak)	17,023.565 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	23,607.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	10,046.000 ft³		
Volume (Retained)	13,561.000 ft³		
Volume (Unrouted)	-1.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB56 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	11.76 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.24 ft³/s	Time to Peak (Flow, Outlet)	12.750 hours

Elevation (Water Surface, Peak)	111.55 ft
Volume (Peak)	23,349.056 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	38,110.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	24,548.000 ft³
Volume (Retained)	13,561.000 ft³
Volume (Unrouted)	-2.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB56 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	20.85 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	4.58 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)	112.32 ft
Volume (Peak)	35,802.301 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	68,690.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	55,126.000 ft³
Volume (Retained)	13,563.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB56 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB56'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA56 Perv	
<Catchment to Outflow Node>		DA56 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA56 Perv	536.693	12.000	0.15
Flow (From)	DA56 Imp	23,070.739	12.000	7.27
Flow (In)	UGB56	23,607.432	12.000	7.42

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB56 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB56'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA56 Perv	
<Catchment to Outflow Node>		DA56 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA56 Perv	1,514.357	12.000	0.51
Flow (From)	DA56 Imp	36,595.762	12.000	11.25
Flow (In)	UGB56	38,110.119	12.000	11.76

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB56 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB56'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA56 Perv	
<Catchment to Outflow Node>		DA56 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA56 Perv	4,211.164	12.000	1.48
Flow (From)	DA56 Imp	64,478.550	12.000	19.37
Flow (In)	UGB56	68,689.714	12.000	20.85

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB57
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
111.10 ft	
Volume (Initial)	
0.000 ft³	
Flow (Initial Outlet)	
0.00 ft³/s	
Flow (Initial Infiltration)	
0.00 ft³/s	
Flow (Initial, Total)	
0.00 ft³/s	
Time Increment	
0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
111.10	0.00	0.000	0.000	0.00	0.00	0.00
111.35	0.00	1,184.722	0.000	0.00	0.00	13.16
111.60	0.00	2,381.965	0.000	0.00	0.00	26.47
111.85	0.00	4,919.270	0.000	0.00	0.00	54.66
112.10	0.00	7,434.456	0.000	0.00	0.00	82.61
112.35	0.00	9,905.804	0.000	0.00	0.00	110.06
112.50	0.00	11,367.155	0.000	0.00	0.00	126.30
112.60	0.07	12,328.717	0.000	0.00	0.07	137.06
112.85	0.47	14,680.337	0.000	0.00	0.47	163.58
113.10	1.05	16,953.187	0.000	0.00	1.05	189.41
113.35	1.76	19,111.212	0.000	0.00	1.76	214.11
113.60	2.60	21,130.277	0.000	0.00	2.60	237.38
113.85	3.53	22,904.861	0.000	0.00	3.53	258.03
114.10	4.55	24,356.565	0.000	0.00	4.55	275.18
114.35	5.66	25,701.115	0.000	0.00	5.66	291.23
114.60	6.85	27,058.762	0.000	0.00	6.85	307.50

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB57 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.00 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	112.31 ft
Volume (Peak)	9,479,116 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,475,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	9,479,000 ft³
Volume (Unrouted)	4,000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB57 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.72 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.10 ft³/s	Time to Peak (Flow, Outlet)	16.900 hours

Elevation (Water Surface, Peak)	112.62 ft
Volume (Peak)	12,531,091 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,219,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	3,850,000 ft³
Volume (Retained)	11,369,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB57 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	8.30 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.00 ft³/s	Time to Peak (Flow, Outlet)	12.600 hours

Elevation (Water Surface, Peak)	113.08 ft
Volume (Peak)	16,761.377 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	27,253.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	15,884.000 ft³
Volume (Retained)	11,369.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB57 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB57'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA57 Imp
<Catchment to Outflow Node>	DA57 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA57 Imp	9,320.207	12.000	2.95
Flow (From)	DA57 Perv	155.065	12.000	0.05
Flow (In)	UGB57	9,475.272	12.000	3.00

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB57 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB57'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA57 Imp	
<Catchment to Outflow Node>		DA57 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA57 Imp	14,782.883	12.000	4.56
Flow (From)	DA57 Perv	435.877	12.000	0.16
Flow (In)	UGB57	15,218.761	12.000	4.72

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB57 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB57'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA57 Imp	
<Catchment to Outflow Node>		DA57 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA57 Imp	26,044.812	12.000	7.84
Flow (From)	DA57 Perv	1,208.510	12.000	0.45
Flow (In)	UGB57	27,253.322	12.000	8.30

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB59
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	104.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)	
Maximum Storage Elevation (ft)	105.07
Volume (ft ³)	18,129,000

Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12,000 4.88
Pond Outflow...	14,700 0.75

Total Volume In	
Volume (ft ³)	Direction
Pond Inflow....	35,877,000 Forward
Pond Outflow...	0.000 Reverse

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	35,877,000 ft ³
Volume (Total Out ICPM)	26,407,000 ft ³
Volume (Ending)	9,469,000 ft ³
Elevation (Ending)	104.53 ft
Difference	1,000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB59
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	104.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020 hours

Time to Peak (hours)	
Maximum Storage Elevation (ft)	105.93
Volume (ft ³)	31,742,000

Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12,000 9.43
Pond Outflow...	12,750 2.74

Total Volume In	
Volume (ft ³)	Direction
Pond Inflow....	68,288,000 Forward
Pond Outflow...	0.000 Reverse

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	68,288,000 ft ³
Volume (Total Out ICPM)	64,587,000 ft ³
Volume (Ending)	10,190,000 ft ³
Elevation (Ending)	104.58 ft
Difference	-6,488,000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	9.5 %

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB59
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	104.00 ft
Volume (Starting)	0.000 ft³
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
	Flow Tolerance (Minimum)
	Maximum Iterations
	ICPM Time Step

	Time to Peak (hours)		Maximum Storage Volume (ft³)	
	Time to Peak (hours)	Elevation (ft)	Volume (ft³)	
	12.700	106.76	45,015.000	
Forward Flow Peaks				
Time to Peak (hours)	Flow (Peak) (ft³/s)		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.000	20.62	0.000	0.00
Pond Outflow...	12.450	9.20	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	141,201.000	Forward	0.000
Pond Outflow...	0.000	Reverse	134,248.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	141,201.000 ft³
Volume (Total Out ICPM)	134,248.000 ft³
Volume (Ending)	10,329.000 ft³
Elevation (Ending)	104.58 ft
Difference	-3,376.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	2.4 %

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB6 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.00	1,062.7	0.00
94.25	1,099.1	0.01
94.50	1,136.1	0.01
94.75	1,173.5	0.01
95.00	1,211.4	0.01
95.25	1,249.8	0.01
95.50	1,288.7	0.01
95.75	1,328.2	0.02
96.00	1,368.1	0.02
96.25	1,408.5	0.02
96.50	1,449.4	0.02
96.75	1,490.8	0.02
97.00	1,532.8	0.02
97.25	1,575.2	0.02
97.45	1,609.5	0.02
97.50	1,618.1	0.02

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB6
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 0.5000 in/h
Infiltration Rate (Average)	
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000 ft ³ /s
Maximum Iterations	35
ICPM Time Step	0.020 hours
Output Increment	0.050 hours

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.150	96.65
	2,091,000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.000	3.09	0.000
Infiltration...	12.150	0.00	0.000
Pond Outflow...	12.100	1.77	0.000
Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	10,530,000	Forward	0.000
Infiltration...	0.000	Reverse	1,705,000
Pond Outflow...	0.000	Reverse	9,369,000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	10,530,000 ft ³		
Volume (Total Out ICPM)	11,074,000 ft ³		
Volume (Ending)	1,000 ft ³		
Elevation (Ending)	94.00 ft		
Difference	-545,000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	4.9 %		

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB6
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 0.5000 in/h
Infiltration Rate (Average)	
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Infiltration (Starting ICPM)	0.00 ft ³ /s
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000 ft ³ /s
Maximum Iterations	35
ICPM Time Step	0.020 hours
Output Increment	0.050 hours

Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.050	97.45
	2,605,000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.000	5.28	0.000
Infiltration...	12.050	0.00	0.000
Pond Outflow...	12.050	4.21	0.000
Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	18,182,000	Forward	0.000
Infiltration...	0.000	Reverse	1,820,000
Pond Outflow...	0.000	Reverse	16,597,000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	18,182,000 ft ³		
Volume (Total Out ICPM)	18,417,000 ft ³		
Volume (Ending)	1,000 ft ³		
Elevation (Ending)	94.00 ft		
Difference	-236,000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	1.3 %		

Basin Routings Current Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB6
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 0.5000 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.020
Output Increment	0.050

Time to Peak (hours)		Elevation (ft)		Maximum Storage Volume (ft³)	
11.900		97.50		2,638.000	
Forward Flow Peaks		Reverse Flow Peaks		Time to Peak (hours)	
Time to Peak (hours)		Flow (Peak) (ft³/s)		Flow (Peak) (ft³/s)	
12.000		10.01		0.000	
11.900		0.00		0.000	
11.900		4.71		0.000	
Total Volume In		Total Volume Out		Direction	
Volume (ft³)		Volume (ft³)		Direction	
34,873.000		Forward		Reverse	
0.000		Reverse		Forward	
0.000		Reverse		Forward	
Mass Balance (ft³)		Volume (Initial ICPM)		0.000 ft³	
Volume (Total In ICPM)		34,873.000 ft³			
Volume (Total Out ICPM)		31,819.000 ft³			
Volume (Ending)		1.000 ft³			
Elevation (Ending)		94.00 ft			
Difference		3,053.000 ft³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		8.8 %			

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB60
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
111.10	0.00	0.000	0.000	0.00	0.00	0.00
111.35	0.00	1,184.722	0.000	0.00	0.00	13.16
111.60	0.00	2,381.965	0.000	0.00	0.00	26.47
111.85	0.00	4,919.270	0.000	0.00	0.00	54.66
112.10	0.00	7,434.456	0.000	0.00	0.00	82.61
112.35	0.38	9,905.804	0.000	0.00	0.38	110.44
112.60	1.06	12,328.717	0.000	0.00	1.06	138.05
112.85	1.95	14,680.337	0.000	0.00	1.95	165.06
113.10	3.00	16,953.187	0.000	0.00	3.00	191.37
113.35	4.19	19,111.212	0.000	0.00	4.19	216.54
113.60	5.51	21,130.277	0.000	0.00	5.51	240.29
113.85	6.95	22,904.861	0.000	0.00	6.95	261.44
114.10	8.49	24,356.565	0.000	0.00	8.49	279.11
114.35	10.13	25,701.115	0.000	0.00	10.13	295.69
114.60	11.86	27,058.762	0.000	0.00	11.86	312.51

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB60 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.77 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.35 ft³/s	Time to Peak (Flow, Outlet)	13.150 hours

Elevation (Water Surface, Peak)	112.33 ft
Volume (Peak)	9,750.814 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,092.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,657.000 ft³
Volume (Retained)	7,434.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB60 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.63 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.47 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)	112.71 ft
Volume (Peak)	13,416.474 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	24,483.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	17,049.000 ft³
Volume (Retained)	7,434.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB60 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	13.63 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	4.61 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	113.43 ft
Volume (Peak)	19,770.302 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	44,402.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	36,968.000 ft³
Volume (Retained)	7,434.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB60 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB60'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA60 Perv
<Catchment to Outflow Node>	DA60 Imp

Node Inflows			
Inflow Type	Element	Volume (ft³)	Time to Peak (hours)
Flow (From)	DA60 Perv	445.811	12.000
Flow (From)	DA60 Imp	14,646.040	12.000
Flow (In)	UGB60	15,091.851	12.000
			0.14
			4.63
			4.77

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB60 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB60'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA60 Perv	
<Catchment to Outflow Node>		DA60 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA60 Perv	1,253.147	12,000	0.47
Flow (From)	DA60 Imp	23,230.245	12,000	7.16
Flow (In)	UGB60	24,483.393	12,000	7.63

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB60 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB60'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA60 Perv	
<Catchment to Outflow Node>		DA60 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA60 Perv	3,474.467	12,000	1.30
Flow (From)	DA60 Imp	40,927.562	12,000	12.32
Flow (In)	UGB60	44,402.029	12,000	13.63

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB61
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
107.75	0.00	0.000	0.000	0.00	0.00	0.00
108.00	0.00	270.754	0.000	0.00	0.00	3.01
108.25	0.00	548.789	0.000	0.00	0.00	6.10
108.50	0.16	1,119.000	0.000	0.00	0.16	12.59
108.75	0.58	1,689.143	0.000	0.00	0.58	19.34
109.00	1.08	2,254.994	0.000	0.00	1.08	26.14
109.25	1.37	2,815.214	0.000	0.00	1.37	32.65
109.50	1.61	3,365.340	0.000	0.00	1.61	39.00
109.75	1.81	3,903.410	0.000	0.00	1.81	45.19
110.00	2.00	4,422.140	0.000	0.00	2.00	51.13
110.25	2.17	4,915.992	0.000	0.00	2.17	56.79
110.50	2.33	5,362.802	0.000	0.00	2.33	61.91
110.75	2.47	5,745.397	0.000	0.00	2.47	66.31
111.00	2.61	6,110.460	0.000	0.00	2.61	70.51
111.25	2.74	6,483.378	0.000	0.00	2.74	74.78

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB61 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.87 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.86 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours
Elevation (Water Surface, Peak)	108.89 ft		
Volume (Peak)	2,003.685 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	6,093.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	5,545.000 ft³		
Volume (Retained)	549.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB61 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.95 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.30 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	109.18 ft
Volume (Peak)	2,666,774 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,694,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	9,145,000 ft³
Volume (Retained)	549,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB61 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.19 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.91 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	109.88 ft
Volume (Peak)	4,168,777 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	17,250,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	16,701,000 ft³
Volume (Retained)	549,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB61 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB61'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA61 Perv	
<Catchment to Outflow Node>		DA61 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA61 Perv	115.460	12.000	0.04
Flow (From)	DA61 Imp	5,977.939	12.000	1.84
Flow (In)	UGB61	6,093.399	12.000	1.87

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB61 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB61'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA61 Perv	
<Catchment to Outflow Node>		DA61 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA61 Perv	325.343	12.000	0.12
Flow (From)	DA61 Imp	9,368.166	12.000	2.83
Flow (In)	UGB61	9,693.508	12.000	2.95

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB61 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB61'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA61 Perv	
<Catchment to Outflow Node>		DA61 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA61 Perv	903.754	12.000	0.33
Flow (From)	DA61 Imp	16,346.254	12.000	4.85
Flow (In)	UGB61	17,250.008	12.000	5.19

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB62
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
108.00	0.00	0.000	0.000	0.00	0.00	0.00
108.25	0.00	1,424,862	0.000	0.00	0.00	15.83
108.50	0.00	2,863,043	0.000	0.00	0.00	31.81
108.75	0.16	5,918,493	0.000	0.00	0.16	65.92
109.00	0.58	8,945,385	0.000	0.00	0.58	99.97
109.25	1.08	11,917,312	0.000	0.00	1.08	133.50
109.50	1.37	14,828,862	0.000	0.00	1.37	166.14
109.75	1.61	17,652,250	0.000	0.00	1.61	197.74
110.00	1.81	20,378,588	0.000	0.00	1.81	228.24
110.25	2.37	22,964,141	0.000	0.00	2.37	257.53
110.50	3.23	25,379,894	0.000	0.00	3.23	285.23
110.75	4.27	27,498,172	0.000	0.00	4.27	309.81
111.00	5.47	29,224,392	0.000	0.00	5.47	330.19
111.25	6.80	30,819,054	0.000	0.00	6.80	349.24
111.50	8.25	32,427,611	0.000	0.00	8.25	368.56

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB62 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.03 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.65 ft³/s	Time to Peak (Flow, Outlet)	12.500 hours

Elevation (Water Surface, Peak)	109.03 ft
Volume (Peak)	9,358.097 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	16,327.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	13,444.000 ft³
Volume (Retained)	2,883.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB62 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.86 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.24 ft³/s	Time to Peak (Flow, Outlet)	12.400 hours

Elevation (Water Surface, Peak)	109.38 ft
Volume (Peak)	13,494.565 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	25,875.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	22,986.000 ft³
Volume (Retained)	2,889.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB62 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	13.75 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.10 ft³/s	Time to Peak (Flow, Outlet)	12.450 hours

Elevation (Water Surface, Peak)	110.13 ft
Volume (Peak)	21,729.399 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	45,820.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	42,923.000 ft³
Volume (Retained)	2,897.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB62 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB62'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA62 Imp
<Catchment to Outflow Node>	DA62 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA62 Imp	16,095.725	12.000	4.96
Flow (From)	DA62 Perv	231.054	12.000	0.07
Flow (In)	UGB62	16,326.780	12.000	5.03

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB62 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB62'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA62 Imp	
<Catchment to Outflow Node>		DA62 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA62 Imp	25,223,851	12,000	7.62
Flow (From)	DA62 Perv	650,956	12,000	0.24
Flow (In)	UGB62	25,874,806	12,000	7.86

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB62 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB62'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA62 Imp	
<Catchment to Outflow Node>		DA62 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA62 Imp	44,012,247	12,000	13.08
Flow (From)	DA62 Perv	1,808,014	12,000	0.67
Flow (In)	UGB62	45,820,260	12,000	13.75

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB63
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
104.00	0.00	0.000	0.000	0.00	0.00	0.00
104.25	0.00	695.845	0.000	0.00	0.00	7.73
104.50	0.00	1,392.883	0.000	0.00	0.00	15.55
104.75	0.00	2,886.608	0.000	0.00	0.00	32.07
105.00	0.00	4,361.358	0.000	0.00	0.00	48.46
105.25	0.31	5,811.564	0.000	0.00	0.31	64.88
105.50	0.88	7,234.485	0.000	0.00	0.88	81.26
105.75	1.62	8,616.889	0.000	0.00	1.62	97.36
106.00	2.49	9,954.353	0.000	0.00	2.49	113.09
106.25	4.14	11,225.949	0.000	0.00	4.14	128.87
106.50	6.43	12,417.535	0.000	0.00	6.43	144.40
106.75	9.17	13,467.664	0.000	0.00	9.17	158.82
107.00	12.29	14,330.534	0.000	0.00	12.29	171.52
107.25	15.74	15,132.099	0.000	0.00	15.74	183.88
107.50	19.49	15,942.433	0.000	0.00	19.49	196.63

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB63 (1N)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.54 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	0.63 ft³/s	Time to Peak (Flow, Outlet)	12.350 hours
Elevation (Water Surface, Peak)	105.39 ft		
Volume (Peak)	6,612.231 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	11,497.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	7,136.000 ft³		
Volume (Retained)	4,361.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB63 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.45 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.80 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	105.80 ft
Volume (Peak)	8,894.937 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	18,017.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	13,656.000 ft³
Volume (Retained)	4,361.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB63 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	9.35 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	5.02 ft³/s	Time to Peak (Flow, Outlet)	12.050 hours

Elevation (Water Surface, Peak)	106.35 ft
Volume (Peak)	11,696.523 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	31,438.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	27,076.000 ft³
Volume (Retained)	4,361.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB63 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB63'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA63 Imp

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA63 Imp	11,496.987	12.000	3.54
Flow (In)	UGB63	11,496.987	12.000	3.54

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB63 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB63'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA63 Imp

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA63 Imp	18,017.186	12.000	5.45
Flow (In)	UGB63	18,017.186	12.000	5.45

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB63 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB63'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA63 Imp	
Inflow Type	Element	Volume (ft³)	Time to Peak (hours)
Flow (From)	DA63 Imp	31,437,671	12.000
Flow (In)	UGB63	31,437,671	12.000
			9.35
			9.35

Node Inflows

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB7
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5900 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
99.00	0.00	0.000	0.047	0.00	0.00	0.00
99.10	0.00	82.273	0.047	0.02	0.02	0.94
99.20	0.00	165.280	0.048	0.02	0.02	1.86
99.30	0.00	249.024	0.048	0.02	0.02	2.79
99.40	0.00	333.509	0.049	0.02	0.02	3.73
99.50	0.00	418.737	0.049	0.02	0.02	4.68
99.60	0.00	593.658	0.050	0.02	0.02	6.62
99.70	0.00	768.803	0.050	0.03	0.03	8.57
99.80	0.00	943.696	0.050	0.03	0.03	10.51
99.90	0.00	1,118.340	0.051	0.03	0.03	12.45
100.00	0.00	1,292.501	0.051	0.03	0.03	14.39
100.10	0.00	1,465.844	0.052	0.03	0.03	16.31
100.20	0.00	1,638.280	0.052	0.03	0.03	18.23
100.30	0.00	1,809.953	0.053	0.03	0.03	20.14
100.40	0.00	1,980.676	0.053	0.03	0.03	22.03
100.50	0.00	2,150.165	0.054	0.03	0.03	23.92
100.60	0.00	2,318.328	0.054	0.03	0.03	25.79
100.70	0.00	2,484.689	0.054	0.03	0.03	27.64
100.80	0.00	2,649.490	0.055	0.03	0.03	29.47
100.90	0.00	2,812.544	0.055	0.03	0.03	31.28
101.00	0.00	2,973.471	0.056	0.03	0.03	33.07
101.10	0.00	3,131.987	0.056	0.03	0.03	34.83
101.20	0.00	3,287.568	0.057	0.03	0.03	36.56
101.30	0.00	3,439.549	0.057	0.03	0.03	38.25
101.40	0.00	3,588.315	0.058	0.03	0.03	39.90
101.50	0.00	3,733.152	0.058	0.03	0.03	41.51
101.60	0.03	3,872.197	0.059	0.03	0.06	43.08
101.70	0.11	4,004.353	0.059	0.03	0.14	44.63

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB7
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	25ft + 0 (ft ³ /s)
101.80	0.23	4,125,507	0.059	0.03	0.26	46.10
101.82	0.26	4,147,960	0.060	0.03	0.29	46.38
101.90	0.45	4,237,769	0.060	0.03	0.48	47.57
102.00	0.81	4,345,639	0.060	0.03	0.84	49.12
102.10	1.23	4,451,322	0.061	0.03	1.26	50.72
102.20	1.72	4,557,835	0.061	0.03	1.75	52.39
102.30	2.15	4,665,181	0.062	0.03	2.18	54.01
102.40	2.59	4,773,363	0.062	0.03	2.62	55.66
102.50	3.05	4,882,384	0.063	0.03	3.09	57.33

Basin Routings Current Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB7 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
99.00	2,047.7	0.00
99.10	2,066.0	0.02
99.20	2,084.4	0.02
99.30	2,102.8	0.02
99.40	2,121.4	0.02
99.50	2,140.0	0.02
99.60	2,158.7	0.02
99.70	2,177.5	0.03
99.80	2,196.4	0.03
99.90	2,215.3	0.03
100.00	2,234.4	0.03
100.10	2,253.5	0.03
100.20	2,272.7	0.03
100.30	2,291.9	0.03
100.40	2,311.3	0.03
100.50	2,330.7	0.03
100.60	2,350.2	0.03
100.70	2,369.8	0.03
100.80	2,389.5	0.03
100.90	2,409.2	0.03
101.00	2,429.0	0.03
101.10	2,448.9	0.03
101.20	2,468.9	0.03
101.30	2,489.0	0.03
101.40	2,509.2	0.03
101.50	2,529.4	0.03
101.60	2,549.7	0.03
101.70	2,570.1	0.03
101.80	2,590.5	0.03
101.82	2,594.6	0.03
101.90	2,611.1	0.03
102.00	2,631.7	0.03
102.10	2,652.4	0.03
102.20	2,673.2	0.03
102.30	2,694.1	0.03
102.40	2,715.0	0.03
102.50	2,736.1	0.03

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB7 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
99.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.50 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	18.250 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)		101.11 ft
Volume (Peak)		3,149,542 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		4,838,000 ft³
Volume (Total Infiltration)		4,102,000 ft³
Volume (Total Outlet Outflow)		0.000 ft³
Volume (Retained)		737,000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB7 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
99.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.54 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.550 hours
Flow (Peak Outlet)	0.30 ft³/s	Time to Peak (Flow, Outlet)	12.550 hours

Elevation (Water Surface, Peak)		101.84 ft
Volume (Peak)		4,168,374 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		8,173,000 ft³
Volume (Total Infiltration)		4,417,000 ft³
Volume (Total Outlet Outflow)		2,389,000 ft³
Volume (Retained)		1,367,000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB7 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.54 ft³/s	Time to Peak (Flow, In)	12.000 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.550 hours
Flow (Peak Outlet)	0.30 ft³/s	Time to Peak (Flow, Outlet)	12.550 hours

Elevation (Water Surface, Peak)	101.84 ft
Volume (Peak)	4,168.374 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	8,173.000 ft³
Volume (Total Infiltration)	4,417.000 ft³
Volume (Total Outlet Outflow)	2,389.000 ft³
Volume (Retained)	1,367.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB7 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB7'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA7 Perv
<Catchment to Outflow Node>	DA7 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA7 Perv	402.389	12.000	0.12
Flow (From)	DA7 Imp	4,436.085	12.000	1.38
Flow (In)	UGB7	4,838.474	12.000	1.50

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB7 (IN)
Scenario: 10YR
Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB7'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA7 Perv	
<Catchment to Outflow Node>		DA7 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA7 Perv	1,135.563	12.000	0.40
Flow (From)	DA7 Imp	7,037.265	12.000	2.14
Flow (In)	UGB7	8,172.828	12.000	2.54

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB7 (IN)
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB7'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA7 Perv	
<Catchment to Outflow Node>		DA7 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA7 Perv	3,158.111	12.000	1.14
Flow (From)	DA7 Imp	12,399.659	12.000	3.69
Flow (In)	UGB7	15,557.770	12.000	4.83

Basin Routings Current Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB9
Scenario: 100YR
Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
100.30	0.00	0.000	0.000	0.00	0.00	0.00
100.55	0.00	137.724	0.000	0.00	0.00	1.53
100.80	0.00	279.653	0.000	0.00	0.00	3.11
101.05	0.00	568.306	0.000	0.00	0.00	6.31
101.30	0.00	857.538	0.000	0.00	0.00	9.53
101.55	0.56	1,145.313	0.000	0.00	0.56	13.29
101.80	1.59	1,430.932	0.000	0.00	1.59	17.49
102.05	2.92	1,712.245	0.000	0.00	2.92	21.95
102.30	4.50	1,988.238	0.000	0.00	4.50	26.59
102.55	6.29	2,255.355	0.000	0.00	6.29	31.35
102.80	8.27	2,510.788	0.000	0.00	8.27	36.16
103.05	10.42	2,743.545	0.000	0.00	10.42	40.90
103.30	12.73	2,944.999	0.000	0.00	12.73	45.45
103.55	15.19	3,138.583	0.000	0.00	15.19	50.06
103.80	17.79	3,336.947	0.000	0.00	17.79	54.87

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB9 (IN)
Scenario: 2YR
Return Event: 2 years
Storm Event: 2yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.74 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	1.37 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours
Elevation (Water Surface, Peak)	101.75 ft		
Volume (Peak)	1,370.707 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	5,530.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	4,673.000 ft³		
Volume (Retained)	858.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB9 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.84 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	2.39 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	101.95 ft
Volume (Peak)	1,600.212 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,229.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	8,371.000 ft³
Volume (Retained)	858.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB9 (IN)
Scenario: 100YR

Return Event: 100 years
Storm Event: 100yr current

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.18 ft³/s	Time to Peak (Flow, In)	12.000 hours
Flow (Peak Outlet)	4.58 ft³/s	Time to Peak (Flow, Outlet)	12.000 hours

Elevation (Water Surface, Peak)	102.31 ft
Volume (Peak)	1,999.960 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	17,232.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	16,375.000 ft³
Volume (Retained)	858.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB9 (IN)
Scenario: 2YR

Return Event: 2 years
Storm Event: 2yr current

Summary for Hydrograph Addition at 'UGB9'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA9 Perv	
<Catchment to Outflow Node>		DA9 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA9 Perv	287.778	12.050	0.06
Flow (From)	DA9 Imp	5,242.350	12.000	1.69
Flow (In)	UGB9	5,530.128	12.000	1.74

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary
Label: UGB9 (IN)
Scenario: 10YR

Return Event: 10 years
Storm Event: 10 yr current

Summary for Hydrograph Addition at 'UGB9'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA9 Perv	
<Catchment to Outflow Node>		DA9 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA9 Perv	811.734	12.050	0.23
Flow (From)	DA9 Imp	8,416.946	12.000	2.63
Flow (In)	UGB9	9,228.680	12.000	2.84

Basin Routings Current Rainfall

Subsection: Pond Inflow Summary

Label: UGB9 (IN)

Scenario: 100YR

Return Event: 100 years

Storm Event: 100yr current

Summary for Hydrograph Addition at 'UGB9'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA9 Perv	
<Catchment to Outflow Node>		DA9 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (Front)	DA9 Perv	2,256,715	12.050	0.67
Flow (Front)	DA9 Imp	14,975,588	12.000	4.55
Flow (In)	UGB9	17,232,303	12.000	5.18

BASIN ROUTINGS
PROJECTED RAINFALL

Table of Contents	1	Master Network Summary	Table of Contents	Pond Inflow Summary, 100 years (100YR Projected)	60
	25	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	61
	28	Pond Infiltration Calculations, 2 years (2YR Projected)		Pond Infiltration Calculations, 2 years (2YR Projected)	62
	31	Level Pool Pond Routing Summary, 2 years (2YR Projected)		Level Pool Pond Routing Summary, 2 years (2YR Projected)	63
	32	Level Pool Pond Routing Summary, 10 years (10YR Projected)		Level Pool Pond Routing Summary, 10 years (10YR Projected)	64
	33	Pond Infiltration Calculations, 100 years (100YR Projected)		Pond Infiltration Calculations, 100 years (100YR Projected)	65
	36	Level Pool Pond Routing Summary, 100 years (100YR Projected)		Level Pool Pond Routing Summary, 100 years (100YR Projected)	66
	37	Pond Inflow Summary, 2 years (2YR Projected)		Pond Inflow Summary, 2 years (2YR Projected)	67
	38	Pond Inflow Summary, 10 years (10YR Projected)		Pond Inflow Summary, 10 years (10YR Projected)	68
	39	Pond Inflow Summary, 100 years (100YR Projected)		Pond Inflow Summary, 100 years (100YR Projected)	69
	40	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	70
	42	Pond Infiltration Calculations, 2 years (2YR Projected)		Level Pool Pond Routing Summary, 2 years (2YR Projected)	73
	44	Level Pool Pond Routing Summary, 2 years (2YR Projected)		Level Pool Pond Routing Summary, 10 years (10YR Projected)	74
	45	Level Pool Pond Routing Summary, 10 years (10YR Projected)		Level Pool Pond Routing Summary, 100 years (100YR Projected)	75
	46	Pond Infiltration Calculations, 100 years (100YR Projected)		Pond Inflow Summary, 2 years (2YR Projected)	76
	48	Level Pool Pond Routing Summary, 100 years (100YR Projected)		Pond Inflow Summary, 10 years (10YR Projected)	77
	49	Pond Inflow Summary, 2 years (2YR Projected)		Pond Inflow Summary, 100 years (100YR Projected)	78
	50	Pond Inflow Summary, 10 years (10YR Projected)			
	51	Pond Inflow Summary, 100 years (100YR Projected)		Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	79
	Table of Contents	52		Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	Pond Infiltration Calculations, 2 years (2YR Projected)
53		Pond Infiltration Calculations, 2 years (2YR Projected)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	82	
54		Level Pool Pond Routing Summary, 2 years (2YR Projected)	Level Pool Pond Routing Summary, 10 years (10YR Projected)	83	
55		Level Pool Pond Routing Summary, 10 years (10YR Projected)	Pond Infiltration Calculations, 100 years (100YR Projected)	84	
56		Pond Infiltration Calculations, 100 years (100YR Projected)	Level Pool Pond Routing Summary, 100 years (100YR Projected)	85	
57		Level Pool Pond Routing Summary, 100 years (100YR Projected)	Pond Inflow Summary, 2 years (2YR Projected)	86	
58		Pond Inflow Summary, 2 years (2YR Projected)	Pond Inflow Summary, 10 years (10YR Projected)	87	
59		Pond Inflow Summary, 10 years (10YR Projected)	Pond Inflow Summary, 100 years (100YR Projected)	88	

Table of Contents			Table of Contents		
Bio35	Pond Infiltration Calculations, 2 years (2YR Projected)	89	Bio52	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	113
	Interconnected Pond Routing Summary, 2 years (2YR Projected)	90	Bio52 (IN)	Pond Infiltration Calculations, 2 years (2YR Projected)	114
	Interconnected Pond Routing Summary, 10 years (10YR Projected)	91		Level Pool Pond Routing Summary, 2 years (2YR Projected)	115
Pond Infiltration Calculations, 100 years (100YR Projected)	92	Level Pool Pond Routing Summary, 10 years (10YR Projected)		116	
Bio35	Interconnected Pond Routing Summary, 100 years (100YR Projected)	93		Pond Infiltration Calculations, 100 years (100YR Projected)	117
Bio36	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	94		Level Pool Pond Routing Summary, 100 years (100YR Projected)	118
	Level Pool Pond Routing Summary, 2 years (2YR Projected)	95	Bio53	Pond Inflow Summary, 2 years (2YR Projected)	119
Bio36 (IN)	Level Pool Pond Routing Summary, 10 years (10YR Projected)	96	Bio53 (IN)	Pond Inflow Summary, 10 years (10YR Projected)	120
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	97		Pond Inflow Summary, 100 years (100YR Projected)	121
	Pond Inflow Summary, 2 years (2YR Projected)	98		Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	122
Bio45	Pond Inflow Summary, 10 years (10YR Projected)	99		Level Pool Pond Routing Summary, 2 years (2YR Projected)	123
	Pond Inflow Summary, 100 years (100YR Projected)	100		Level Pool Pond Routing Summary, 10 years (10YR Projected)	124
	Interconnected Pond Routing Summary, 2 years (2YR Projected)	101		Level Pool Pond Routing Summary, 100 years (100YR Projected)	125
	Interconnected Pond Routing Summary, 10 years (10YR Projected)	102		Pond Inflow Summary, 2 years (2YR Projected)	126
Bio51	Interconnected Pond Routing Summary, 100 years (100YR Projected)	103	Bio58	Pond Inflow Summary, 10 years (10YR Projected)	127
	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	104		Pond Inflow Summary, 100 years (100YR Projected)	128
	Pond Infiltration Calculations, 2 years (2YR Projected)	105		Interconnected Pond Routing Summary, 2 years (2YR Projected)	129
Bio51 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	106	EX. BASIN 6	Interconnected Pond Routing Summary, 10 years (10YR Projected)	130
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	107		Interconnected Pond Routing Summary, 100 years (100YR Projected)	131
	Pond Infiltration Calculations, 100 years (100YR Projected)	108	EX. BASIN 6 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	132
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	109		Level Pool Pond Routing Summary, 2 years (2YR Projected)	133
	Pond Inflow Summary, 2 years (2YR Projected)	110		Level Pool Pond Routing Summary, 10 years (10YR Projected)	134
	Pond Inflow Summary, 10 years (10YR Projected)	111		Level Pool Pond Routing Summary, 100 years (100YR Projected)	135
	Pond Inflow Summary, 100 years (100YR Projected)	112		Pond Inflow Summary, 2 years (2YR Projected)	136
				Pond Inflow Summary, 10 years (10YR Projected)	137
				Pond Inflow Summary, 100 years (100YR Projected)	138

Table of Contents		Table of Contents	
Infil30 (IN)	139	Level Pool Pond Routing Summary, 2 years (2YR Projected)	188
		Level Pool Pond Routing Summary, 10 years (10YR Projected)	189
Infil30	152	Pond Infiltration Calculations, 100 years (100YR Projected)	190
	153	Level Pool Pond Routing Summary, 2 years (2YR Projected)	191
		Level Pool Pond Routing Summary, 10 years (10YR Projected)	192
Infil30 (IN)	154	Pond Inflow Summary, 2 years (2YR Projected)	193
		Pond Inflow Summary, 10 years (10YR Projected)	194
Infil30	167	Pond Inflow Summary, 100 years (100YR Projected)	195
		Interconnected Pond Routing Summary, 2 years (2YR Projected)	196
Infil8	168	Interconnected Pond Routing Summary, 10 years (10YR Projected)	197
		Interconnected Pond Routing Summary, 100 years (100YR Projected)	198
Infil8 (IN)	170	Interconnected Pond Routing Summary, 2 years (2YR Projected)	199
	171	Interconnected Pond Routing Summary, 10 years (10YR Projected)	200
	172	Interconnected Pond Routing Summary, 100 years (100YR Projected)	201
	173	Interconnected Pond Routing Summary, 2 years (2YR Projected)	202
	174	Interconnected Pond Routing Summary, 10 years (10YR Projected)	203
	175	Interconnected Pond Routing Summary, 100 years (100YR Projected)	204
UGB10	176	Interconnected Pond Routing Summary, 2 years (2YR Projected)	205
	177	Interconnected Pond Routing Summary, 10 years (10YR Projected)	206
		Interconnected Pond Routing Summary, 100 years (100YR Projected)	207
UGB10 (IN)	178	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	208
	179	Level Pool Pond Routing Summary, 2 years (2YR Projected)	209
	180	Level Pool Pond Routing Summary, 10 years (10YR Projected)	210
	181	Level Pool Pond Routing Summary, 100 years (100YR Projected)	211
	182	Level Pool Pond Routing Summary, 2 years (2YR Projected)	212
	183	Level Pool Pond Routing Summary, 10 years (10YR Projected)	
	184	Level Pool Pond Routing Summary, 100 years (100YR Projected)	
UGB11	185	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	
		Pond Infiltration Calculations, 2 years (2YR Projected)	

Table of Contents		Table of Contents			
UGB18	Pond Inflow Summary, 100 years (100YR Projected)	213	Level Pool Pond Routing Summary, 100 years (100YR Projected)	233	
	Interconnected Pond Routing Summary, 2 years (2YR Projected)	214	Pond Inflow Summary, 2 years (2YR Projected)	234	
	Interconnected Pond Routing Summary, 10 years (10YR Projected)	215	Pond Inflow Summary, 10 years (10YR Projected)	235	
	Interconnected Pond Routing Summary, 100 years (100YR Projected)	216	Pond Inflow Summary, 100 years (100YR Projected)	236	
UGB19 (IN)			UGB22	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	237
UGB19	Pond Infiltration Calculations, 2 years (2YR Projected)	217	UGB22 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	238
	Interconnected Pond Routing Summary, 2 years (2YR Projected)	218		Level Pool Pond Routing Summary, 10 years (10YR Projected)	239
UGB19 (IN)	Interconnected Pond Routing Summary, 10 years (10YR Projected)	219		Level Pool Pond Routing Summary, 100 years (100YR Projected)	240
	Pond Infiltration Calculations, 100 years (100YR Projected)	220		Pond Inflow Summary, 2 years (2YR Projected)	241
UGB19				Pond Inflow Summary, 10 years (10YR Projected)	242
UGB20	Interconnected Pond Routing Summary, 100 years (100YR Projected)	221	UGB27	Pond Inflow Summary, 100 years (100YR Projected)	243
	Interconnected Pond Routing Summary, 2 years (2YR Projected)	222	UGB27 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	244
UGB20 (IN)	Interconnected Pond Routing Summary, 10 years (10YR Projected)	223		Pond Infiltration Calculations, 2 years (2YR Projected)	245
	Interconnected Pond Routing Summary, 100 years (100YR Projected)	224		Level Pool Pond Routing Summary, 2 years (2YR Projected)	246
				Level Pool Pond Routing Summary, 10 years (10YR Projected)	247
	Pond Infiltration Calculations, 2 years (2YR Projected)	225		Pond Infiltration Calculations, 100 years (100YR Projected)	248
UGB20	Interconnected Pond Routing Summary, 2 years (2YR Projected)	226		Level Pool Pond Routing Summary, 100 years (100YR Projected)	249
	Interconnected Pond Routing Summary, 10 years (10YR Projected)	227		Pond Inflow Summary, 2 years (2YR Projected)	250
UGB20 (IN)			UGB3	Pond Inflow Summary, 10 years (10YR Projected)	251
	Pond Infiltration Calculations, 100 years (100YR Projected)	228		Pond Inflow Summary, 100 years (100YR Projected)	252
UGB20			UGB3 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	253
UGB21	Interconnected Pond Routing Summary, 100 years (100YR Projected)	229		Pond Infiltration Calculations, 2 years (2YR Projected)	255
	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	230		Level Pool Pond Routing Summary, 2 years (2YR Projected)	256
UGB21 (IN)				Level Pool Pond Routing Summary, 10 years (10YR Projected)	257
	Level Pool Pond Routing Summary, 2 years (2YR Projected)	231		Pond Infiltration Calculations, 100 years (100YR Projected)	258
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	232		Level Pool Pond Routing Summary, 100 years (100YR Projected)	259
				Pond Inflow Summary, 2 years (2YR Projected)	260

	Table of Contents		Table of Contents	
	UGB31	261	UGB37	286
		262		287
		263		288
		264		289
		265		290
		266		291
		267		292
		268		293
		269		294
		270		295
		271		296
		272		297
		273		298
		274		299
		275		300
		276		301
		277		302
		278		303
		279		304
		280		305
		281		306
		282		307
		283		308
		284		309
		285		310
				311
				312

UGB42	Table of Contents		313	
	Pond Inflow Summary, 100 years (100YR Projected)			
	UGB42 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		314
		Level Pool Pond Routing Summary, 2 years (2YR Projected)		315
		Level Pool Pond Routing Summary, 10 years (10YR Projected)		316
		Level Pool Pond Routing Summary, 100 years (100YR Projected)		317
		Pond Inflow Summary, 2 years (2YR Projected)		318
		Pond Inflow Summary, 10 years (10YR Projected)		319
		Pond Inflow Summary, 100 years (100YR Projected)		320
	UGB43	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		321
	UGB43 (IN)	Pond Infiltration Calculations, 2 years (2YR Projected)		322
		Level Pool Pond Routing Summary, 2 years (2YR Projected)		323
		Level Pool Pond Routing Summary, 10 years (10YR Projected)		324
		Pond Infiltration Calculations, 100 years (100YR Projected)		325
		Level Pool Pond Routing Summary, 100 years (100YR Projected)		326
		Pond Inflow Summary, 2 years (2YR Projected)		327
		Pond Inflow Summary, 10 years (10YR Projected)		328
		Pond Inflow Summary, 100 years (100YR Projected)		329
	UGB44	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		330
	UGB44 (IN)	Pond Infiltration Calculations, 2 years (2YR Projected)		331
Level Pool Pond Routing Summary, 2 years (2YR Projected)			332	
	Level Pool Pond Routing Summary, 10 years (10YR Projected)		333	
	Pond Infiltration Calculations, 100 years (100YR Projected)		334	
	Level Pool Pond Routing Summary, 100 years (100YR Projected)		335	
	Pond Inflow Summary, 2 years (2YR Projected)		336	
	Pond Inflow Summary, 10 years (10YR Projected)		337	
	Pond Inflow Summary, 100 years (100YR Projected)		338	
UGB46	Table of Contents			
Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)			339	
UGB46 (IN)			Level Pool Pond Routing Summary, 2 years (2YR Projected)	
	Level Pool Pond Routing Summary, 10 years (10YR Projected)		341	
	Level Pool Pond Routing Summary, 100 years (100YR Projected)		342	
	Pond Inflow Summary, 2 years (2YR Projected)		343	
	Pond Inflow Summary, 10 years (10YR Projected)		344	
	Pond Inflow Summary, 100 years (100YR Projected)		345	
UGB47	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		346	
UGB47 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)		347	
	Level Pool Pond Routing Summary, 10 years (10YR Projected)		348	
	Level Pool Pond Routing Summary, 100 years (100YR Projected)		349	
	Pond Inflow Summary, 2 years (2YR Projected)		350	
	Pond Inflow Summary, 10 years (10YR Projected)		351	
	Pond Inflow Summary, 100 years (100YR Projected)		352	
UGB48	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		353	
UGB48 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)		354	
	Level Pool Pond Routing Summary, 10 years (10YR Projected)		355	
	Level Pool Pond Routing Summary, 100 years (100YR Projected)		356	
	Pond Inflow Summary, 2 years (2YR Projected)		357	
	Pond Inflow Summary, 10 years (10YR Projected)		358	
	Pond Inflow Summary, 100 years (100YR Projected)		359	
UGB49	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)		360	
UGB49 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)		361	
	Level Pool Pond Routing Summary, 10 years (10YR Projected)		362	
	Level Pool Pond Routing Summary, 100 years (100YR Projected)		363	
	Pond Inflow Summary, 2 years (2YR Projected)		364	

Table of Contents

UGB5 (IN)	Pond Inflow Summary, 10 years (10YR Projected)	365
	Pond Inflow Summary, 100 years (100YR Projected)	366
	Pond Infiltration Calculations, 2 years (2YR Projected)	367
UGB5	Interconnected Pond Routing Summary, 2 years (2YR Projected)	368
	Interconnected Pond Routing Summary, 10 years (10YR Projected)	369
UGB5 (IN)	Pond Infiltration Calculations, 100 years (100YR Projected)	370
UGB5	Interconnected Pond Routing Summary, 100 years (100YR Projected)	371
UGB50	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	372
UGB50 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	373
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	374
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	375
	Pond Inflow Summary, 2 years (2YR Projected)	376
	Pond Inflow Summary, 10 years (10YR Projected)	377
UGB54	Pond Inflow Summary, 100 years (100YR Projected)	378
UGB54 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	379
	Level Pool Pond Routing Summary, 2 years (2YR Projected)	380
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	381
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	382
	Pond Inflow Summary, 2 years (2YR Projected)	383
	Pond Inflow Summary, 10 years (10YR Projected)	384
UGB55	Pond Inflow Summary, 100 years (100YR Projected)	385
	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	386
UGB55 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	387

Table of Contents

	Level Pool Pond Routing Summary, 10 years (10YR Projected)	388
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	389
	Pond Inflow Summary, 2 years (2YR Projected)	390
	Pond Inflow Summary, 10 years (10YR Projected)	391
	Pond Inflow Summary, 100 years (100YR Projected)	392
UGB56	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	393
UGB56 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	394
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	395
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	396
	Pond Inflow Summary, 2 years (2YR Projected)	397
	Pond Inflow Summary, 10 years (10YR Projected)	398
	Pond Inflow Summary, 100 years (100YR Projected)	399
UGB57	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	400
UGB57 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	401
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	402
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	403
	Pond Inflow Summary, 2 years (2YR Projected)	404
	Pond Inflow Summary, 10 years (10YR Projected)	405
	Pond Inflow Summary, 100 years (100YR Projected)	406
UGB59	Interconnected Pond Routing Summary, 2 years (2YR Projected)	407
	Interconnected Pond Routing Summary, 10 years (10YR Projected)	408
	Interconnected Pond Routing Summary, 100 years (100YR Projected)	409
UGB6 (IN)	Pond Infiltration Calculations, 2 years (2YR Projected)	410
UGB6	Interconnected Pond Routing Summary, 2 years (2YR Projected)	411
	Interconnected Pond Routing Summary, 10 years (10YR Projected)	412

Table of Contents			Table of Contents		
UGB6 (IN)	Pond Infiltration Calculations, 100 years (100YR Projected)	413	UGB63 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	437
UGB6	Interconnected Pond Routing Summary, 100 years (100YR Projected)	414		Level Pool Pond Routing Summary, 10 years (10YR Projected)	438
UGB60	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	415		Level Pool Pond Routing Summary, 100 years (100YR Projected)	439
UGB60 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	416		Pond Inflow Summary, 2 years (2YR Projected)	440
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	417	UGB7	Pond Inflow Summary, 10 years (10YR Projected)	441
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	418		Pond Inflow Summary, 100 years (100YR Projected)	442
	Pond Inflow Summary, 2 years (2YR Projected)	419		Elevation-Volume-Flow Table (Pond), 2 years (2YR Projected)	443
	Pond Inflow Summary, 10 years (10YR Projected)	420		Elevation-Volume-Flow Table (Pond), 10 years (10YR Projected)	445
	Pond Inflow Summary, 100 years (100YR Projected)	421	UGB7 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	447
UGB61	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	422		Pond Infiltration Calculations, 2 years (2YR Projected)	449
UGB61 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	423		Level Pool Pond Routing Summary, 2 years (2YR Projected)	450
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	424		Level Pool Pond Routing Summary, 10 years (10YR Projected)	451
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	425		Pond Infiltration Calculations, 100 years (100YR Projected)	452
	Pond Inflow Summary, 2 years (2YR Projected)	426		Level Pool Pond Routing Summary, 100 years (100YR Projected)	453
	Pond Inflow Summary, 10 years (10YR Projected)	427	UGB9	Pond Inflow Summary, 2 years (2YR Projected)	454
	Pond Inflow Summary, 100 years (100YR Projected)	428		Pond Inflow Summary, 10 years (10YR Projected)	455
UGB62	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	429		Pond Inflow Summary, 100 years (100YR Projected)	456
UGB62 (IN)	Level Pool Pond Routing Summary, 2 years (2YR Projected)	430	UGB9 (IN)	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	457
	Level Pool Pond Routing Summary, 10 years (10YR Projected)	431		Level Pool Pond Routing Summary, 2 years (2YR Projected)	458
	Level Pool Pond Routing Summary, 100 years (100YR Projected)	432		Level Pool Pond Routing Summary, 10 years (10YR Projected)	459
	Pond Inflow Summary, 2 years (2YR Projected)	433		Level Pool Pond Routing Summary, 100 years (100YR Projected)	460
	Pond Inflow Summary, 10 years (10YR Projected)	434		Pond Inflow Summary, 2 years (2YR Projected)	461
	Pond Inflow Summary, 100 years (100YR Projected)	435		Pond Inflow Summary, 10 years (10YR Projected)	462
UGB63	Elevation-Volume-Flow Table (Pond), 100 years (100YR Projected)	436		Pond Inflow Summary, 100 years (100YR Projected)	463

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
PDA-6 Imp (Plainsboro)	2YR Projected	2	169,774.000	12.200	35.11
PDA-6 Imp (Plainsboro)	10YR Projected	10	275,672.000	12.200	56.03
PDA-6 Imp (Plainsboro)	100YR Projected	100	520,096.000	12.200	104.11
PDA-6 PER (Plainsboro)	2YR Projected	2	4,882.000	12.200	1.05
PDA-6 PER (Plainsboro)	10YR Projected	10	12,278.000	12.200	2.90
PDA-6 PER (Plainsboro)	100YR Projected	100	33,241.000	12.200	7.91
Future Imp Road-Basin 6 (S Brunswick)	2YR Projected	2	3,992.000	12.100	1.22
Future Imp Road-Basin 6 (S Brunswick)	10YR Projected	10	6,482.000	12.100	1.95
Future Imp Road-Basin 6 (S Brunswick)	100YR Projected	100	12,228.000	12.100	3.61
Ex DA-6 Perv (S Brunswick)	2YR Projected	2	8,192.000	12.200	1.59
Ex DA-6 Perv (S Brunswick)	10YR Projected	10	24,787.000	12.150	6.24
Ex DA-6 Perv (S Brunswick)	100YR Projected	100	76,859.000	12.150	20.62
DA28 Perv	2YR Projected	2	2,241.000	12.200	0.44
DA28 Perv	10YR Projected	10	6,274.000	12.200	1.46
DA28 Perv	100YR Projected	100	18,414.000	12.200	4.44
DA28 Imp	2YR Projected	2	11,605.000	12.100	3.63
DA28 Imp	10YR Projected	10	19,060.000	12.100	5.82
DA28 Imp	100YR Projected	100	36,289.000	12.100	10.83
DA30 Imp	2YR Projected	2	17,241.000	12.100	5.50
DA30 Imp	10YR Projected	10	28,641.000	12.100	8.88
DA30 Imp	100YR Projected	100	55,034.000	12.100	16.59
DA30 Perv	2YR Projected	2	6,727.000	12.150	1.91
DA30 Perv	10YR Projected	10	16,600.000	12.150	4.93
DA30 Perv	100YR Projected	100	44,282.000	12.150	12.90
DA45 Imp	2YR Projected	2	22,607.000	12.100	6.88
DA45 Imp	10YR Projected	10	37,558.000	12.100	11.11
DA45 Imp	100YR Projected	100	72,169.000	12.100	20.78
DA45 Perv	2YR Projected	2	1,909.000	12.150	0.49
DA45 Perv	10YR Projected	10	5,344.000	12.100	1.64
DA45 Perv	100YR Projected	100	15,684.000	12.100	4.97
DA57 Imp	2YR Projected	2	10,834.000	12.100	3.38
DA57 Imp	10YR Projected	10	17,791.000	12.100	5.42
DA57 Imp	100YR Projected	100	33,870.000	12.100	10.09

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA56 Imp	2YR Projected	2	26,822.000	12.100	8.38
DA56 Imp	10YR Projected	10	44,050.000	12.100	13.43
DA56 Imp	100YR Projected	100	83,866.000	12.100	25.00
DA62 Perv	2YR Projected	2	333.000	12.100	0.11
DA62 Perv	10YR Projected	10	932.000	12.100	0.35
DA62 Imp	100YR Projected	100	2,731.000	12.100	1.00
DA62 Imp	2YR Projected	2	18,629.000	12.100	5.69
DA62 Imp	10YR Projected	10	30,247.000	12.100	9.07
DA62 Imp	100YR Projected	100	57,065.000	12.100	16.84
DA63 Imp	2YR Projected	2	13,306.000	12.100	4.06
DA63 Imp	10YR Projected	10	21,606.000	12.100	6.48
DA63 Imp	100YR Projected	100	40,762.000	12.100	12.03
DA1 Perv Basin	2YR Projected	2	1,062.000	12.100	0.35
DA1 Perv Basin	10YR Projected	10	2,620.000	12.100	0.90
DA1 Perv Basin	100YR Projected	100	6,991.000	12.100	2.38
EDA3 Perv	2YR Projected	2	11,468.000	12.100	3.14
EDA3 Perv	10YR Projected	10	31,364.000	12.100	9.93
EDA3 Perv	100YR Projected	100	90,496.000	12.100	29.27
DA12A Imp	2YR Projected	2	4,790.000	12.100	1.41
DA12A Imp	10YR Projected	10	7,777.000	12.100	2.24
DA12A Imp	100YR Projected	100	14,673.000	12.100	4.17
DA12A Perv	2YR Projected	2	6,664.000	12.250	1.26
DA12A Perv	10YR Projected	10	18,224.000	12.250	3.95
DA12A Perv	100YR Projected	100	52,580.000	12.200	11.86
DA35 Imp	2YR Projected	2	2,661.000	12.100	0.81
DA35 Imp	10YR Projected	10	4,321.000	12.100	1.29
DA35 Imp	100YR Projected	100	8,152.000	12.100	2.39
DA35 Perv	2YR Projected	2	2,158.000	12.100	0.61
DA35 Perv	10YR Projected	10	6,040.000	12.100	1.99
DA35 Perv	100YR Projected	100	17,730.000	12.100	5.95
DA59 Imp	2YR Projected	2	13,571.000	12.100	4.09
DA59 Imp	10YR Projected	10	22,036.000	12.100	6.52
DA59 Imp	100YR Projected	100	41,574.000	12.100	12.11
DA59 Perv	2YR Projected	2	9,286.000	12.250	1.99
DA59 Perv	10YR Projected	10	21,034.000	12.200	4.66
DA59 Perv	100YR Projected	100	52,366.000	12.200	11.51
DA58 Imp	2YR Projected	2	20,242.000	12.100	6.29
DA58 Imp	10YR Projected	10	33,246.000	12.100	10.09
DA58 Imp	100YR Projected	100	63,299.000	12.100	18.79
DA58 Perv	2YR Projected	2	6,850.000	12.150	1.72
DA58 Perv	10YR Projected	10	16,307.000	12.150	4.34
DA58 Perv	100YR Projected	100	42,273.000	12.150	11.20
DA51 Perv	2YR Projected	2	2,979.000	12.150	0.77

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA51 Perv	10YR Projected	10	8,146,000	12.150	2.37
DA51 Perv	100YR Projected	100	23,503,000	12.150	6.90
DA51 Imp	2YR Projected	2	8,115,000	12.100	2.45
DA51 Imp	10YR Projected	10	13,178,000	12.100	3.91
DA51 Imp	100YR Projected	100	24,861,000	12.100	7.25
DA56 Perv	2YR Projected	2	774,000	12.100	0.24
DA56 Perv	10YR Projected	10	2,167,000	12.100	0.76
DA56 Perv	100YR Projected	100	6,363,000	12.100	2.24
DA57 Perv	2YR Projected	2	223,000	12.100	0.08
DA57 Perv	10YR Projected	10	623,000	12.100	0.23
DA57 Perv	100YR Projected	100	1,824,000	12.100	0.67
DA26 Imp	2YR Projected	2	21,156,000	12.100	6.20
DA26 Imp	10YR Projected	10	34,352,000	12.100	9.89
DA26 Imp	100YR Projected	100	64,810,000	12.100	18.38
DA26 Perv	2YR Projected	2	304,000	12.100	0.09
DA26 Perv	10YR Projected	10	852,000	12.100	0.29
DA26 Perv	100YR Projected	100	2,500,000	12.100	0.85
DA60 Imp	2YR Projected	2	17,025,000	12.100	5.32
DA60 Imp	10YR Projected	10	27,957,000	12.100	8.52
DA60 Imp	100YR Projected	100	53,225,000	12.100	15.86
DA60 Perv	2YR Projected	2	642,000	12.100	0.22
DA60 Perv	10YR Projected	10	1,791,000	12.100	0.67
DA60 Perv	100YR Projected	100	5,245,000	12.100	1.93
DA47 Imp	2YR Projected	2	6,834,000	12.100	2.10
DA47 Imp	10YR Projected	10	11,224,000	12.100	3.36
DA47 Imp	100YR Projected	100	21,369,000	12.100	6.26
DA47- Perv	2YR Projected	2	830,000	12.200	0.16
DA47- Perv	10YR Projected	10	2,323,000	12.200	0.54
DA47- Perv	100YR Projected	100	6,819,000	12.200	1.64
DA46 Imp	2YR Projected	2	3,998,000	12.100	1.25
DA46 Imp	10YR Projected	10	6,565,000	12.100	2.00
DA46 Imp	100YR Projected	100	12,500,000	12.100	3.73
DA46 Perv	2YR Projected	2	360,000	12.150	0.09
DA46 Perv	10YR Projected	10	1,007,000	12.100	0.30
DA46 Perv	100YR Projected	100	2,955,000	12.100	0.92
DA50 Perv	2YR Projected	2	332,000	12.150	0.08
DA50 Perv	10YR Projected	10	929,000	12.150	0.27
DA50 Perv	100YR Projected	100	2,728,000	12.150	0.80
DA50 Imp	2YR Projected	2	4,642,000	12.100	1.45
DA50 Imp	10YR Projected	10	7,624,000	12.100	2.32
DA50 Imp	100YR Projected	100	14,515,000	12.100	4.33
DA15 Imp	2YR Projected	2	11,177,000	12.100	3.41
DA15 Imp	10YR Projected	10	18,148,000	12.100	5.43

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA15 Imp	100YR Projected	100	34,240,000	12.100	10.09
DA15 Perv	2YR Projected	2	2,270,000	12.100	0.75
DA15 Perv	10YR Projected	10	6,353,000	12.100	2.33
DA15 Perv	100YR Projected	100	18,644,000	12.100	6.77
DA16 Perv	2YR Projected	2	2,407,000	12.150	0.62
DA16 Perv	10YR Projected	10	6,738,000	12.150	1.97
DA16 Perv	100YR Projected	100	19,776,000	12.150	5.83
DA16 Imp	2YR Projected	2	19,083,000	12.100	5.94
DA16 Imp	10YR Projected	10	31,342,000	12.100	9.52
DA16 Imp	100YR Projected	100	59,674,000	12.100	17.73
DA55 Imp	2YR Projected	2	27,813,000	12.100	8.49
DA55 Imp	10YR Projected	10	45,158,000	12.100	13.54
DA55 Imp	100YR Projected	100	85,194,000	12.050	25.15
DA55 Perv	2YR Projected	2	1,613,000	12.100	0.48
DA55 Perv	10YR Projected	10	3,980,000	12.100	1.26
DA55 Perv	100YR Projected	100	10,616,000	12.100	3.36
DA25 Imp	2YR Projected	2	24,108,000	12.100	6.92
DA25 Imp	10YR Projected	10	40,051,000	12.100	11.18
DA25 Imp	100YR Projected	100	76,959,000	12.100	20.93
DA25 Perv	2YR Projected	2	4,094,000	12.150	1.06
DA25 Perv	10YR Projected	10	11,462,000	12.100	3.51
DA25 Perv	100YR Projected	100	33,644,000	12.100	10.65
DA32 Imp	2YR Projected	2	29,402,000	12.100	9.20
DA32 Imp	10YR Projected	10	48,287,000	12.100	14.75
DA32 Imp	100YR Projected	100	91,933,000	12.100	27.46
DA32 Perv	2YR Projected	2	611,000	12.100	0.21
DA32 Perv	10YR Projected	10	1,708,000	12.100	0.64
DA32 Perv	100YR Projected	100	5,007,000	12.100	1.84
DA34 Perv	2YR Projected	2	360,000	12.100	0.12
DA34 Perv	10YR Projected	10	1,007,000	12.100	0.37
DA34 Perv	100YR Projected	100	2,956,000	12.100	1.08
DA34 Imp	2YR Projected	2	4,513,000	12.100	1.41
DA34 Imp	10YR Projected	10	7,412,000	12.100	2.26
DA34 Imp	100YR Projected	100	14,112,000	12.100	4.20
DA33 Imp	2YR Projected	2	4,524,000	12.100	1.38
DA33 Imp	10YR Projected	10	7,346,000	12.100	2.20
DA33 Imp	100YR Projected	100	13,859,000	12.100	4.09
DA33 Perv	2YR Projected	2	250,000	12.100	0.08
DA33 Perv	10YR Projected	10	698,000	12.100	0.26
DA33 Perv	100YR Projected	100	2,048,000	12.100	0.75
DA44 Imp	2YR Projected	2	2,156,000	12.100	0.75
DA44 Imp	10YR Projected	10	3,839,000	12.100	1.28
DA44 Imp	100YR Projected	100	7,807,000	12.100	2.48

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA44 Perv	2YR Projected	2	84,000	12.100	0.03
DA44 Perv	10YR Projected	10	234,000	12.100	0.09
DA44 Perv	100YR Projected	100	684,000	12.100	0.25
DA43 Imp	2YR Projected	2	1,730,000	12.100	0.53
DA43 Imp	10YR Projected	10	2,809,000	12.100	0.84
DA43 Imp	100YR Projected	100	5,299,000	12.050	1.56
DA43 Perv	2YR Projected	2	663,000	12.100	0.20
DA43 Perv	10YR Projected	10	1,607,000	12.100	0.52
DA43 Perv	100YR Projected	100	4,226,000	12.100	1.36
DA42 Perv	2YR Projected	2	611,000	12.100	0.21
DA42 Perv	10YR Projected	10	1,709,000	12.100	0.64
DA42 Perv	100YR Projected	100	5,009,000	12.100	1.84
DA42 Imp	2YR Projected	2	6,562,000	12.100	2.17
DA42 Imp	10YR Projected	10	11,153,000	12.100	3.55
DA42 Imp	100YR Projected	100	21,832,000	12.100	6.70
DA36 Imp	2YR Projected	2	6,787,000	12.100	2.08
DA36 Imp	10YR Projected	10	11,020,000	12.100	3.31
DA36 Imp	100YR Projected	100	20,790,000	12.100	6.14
DA36 Perv	2YR Projected	2	3,160,000	12.100	1.16
DA36 Perv	10YR Projected	10	7,649,000	12.100	2.85
DA36 Perv	100YR Projected	100	20,094,000	12.100	7.20
DA53 Imp	2YR Projected	2	3,998,000	12.100	1.27
DA53 Imp	10YR Projected	10	6,641,000	12.100	2.05
DA53 Imp	100YR Projected	100	12,760,000	12.100	3.84
DA53 Perv	2YR Projected	2	1,024,000	12.150	0.27
DA53 Perv	10YR Projected	10	2,865,000	12.150	0.84
DA53 Perv	100YR Projected	100	8,410,000	12.100	2.49
DA52 Imp	2YR Projected	2	5,029,000	12.100	1.57
DA52 Imp	10YR Projected	10	8,260,000	12.100	2.52
DA52 Imp	100YR Projected	100	15,726,000	12.100	4.69
DA52 Perv	2YR Projected	2	1,079,000	12.150	0.28
DA52 Perv	10YR Projected	10	3,020,000	12.150	0.88
DA52 Perv	100YR Projected	100	8,865,000	12.150	2.61
DA20 Imp	2YR Projected	2	8,897,000	12.100	2.78
DA20 Imp	10YR Projected	10	14,611,000	12.100	4.45
DA20 Imp	100YR Projected	100	27,819,000	12.100	8.29
DA20 Perv	2YR Projected	2	1,109,000	12.100	0.38
DA20 Perv	10YR Projected	10	3,103,000	12.100	1.15
DA20 Perv	100YR Projected	100	9,101,000	12.100	3.33
DA17 Imp	2YR Projected	2	10,620,000	12.100	3.39
DA17 Imp	10YR Projected	10	17,642,000	12.100	5.46
DA17 Imp	100YR Projected	100	33,898,000	12.100	10.20
DA17 Perv	2YR Projected	2	332,000	12.100	0.10

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA17 Perv	10YR Projected	10	929,000	12.100	0.31
DA17 Perv	100YR Projected	100	2,728,000	12.100	0.93
DA22 Imp	2YR Projected	2	10,372,000	12.100	3.31
DA22 Imp	10YR Projected	10	17,229,000	12.100	5.34
DA22 Imp	100YR Projected	100	33,102,000	12.100	9.97
DA22 Perv	2YR Projected	2	1,423,000	12.100	0.51
DA22 Perv	10YR Projected	10	3,793,000	12.100	1.43
DA22 Perv	100YR Projected	100	10,739,000	12.100	3.93
PD48 Imp	2YR Projected	2	5,057,000	12.100	1.55
PD48 Imp	10YR Projected	10	8,211,000	12.100	2.46
PD48 Imp	100YR Projected	100	15,491,000	12.100	4.58
PD48 Perv	2YR Projected	2	726,000	12.100	0.25
PD48 Perv	10YR Projected	10	2,025,000	12.100	0.76
PD48 Perv	100YR Projected	100	5,929,000	12.100	2.18
DA11 Imp	2YR Projected	2	7,619,000	12.100	2.40
DA11 Imp	10YR Projected	10	12,657,000	12.100	3.88
DA11 Imp	100YR Projected	100	24,322,000	12.100	7.25
DA11 Perv	2YR Projected	2	497,000	12.100	0.16
DA11 Perv	10YR Projected	10	1,393,000	12.100	0.50
DA11 Perv	100YR Projected	100	4,090,000	12.100	1.46
DA19 Perv	2YR Projected	2	277,000	12.150	0.07
DA19 Perv	10YR Projected	10	774,000	12.100	0.23
DA19 Perv	100YR Projected	100	2,273,000	12.100	0.71
DA19 Imp	2YR Projected	2	4,372,000	12.100	1.24
DA19 Imp	10YR Projected	10	7,263,000	12.100	2.01
DA19 Imp	100YR Projected	100	13,956,000	12.100	3.77
DA18 Imp	2YR Projected	2	10,059,000	12.150	2.61
DA18 Imp	10YR Projected	10	16,520,000	12.150	4.18
DA18 Imp	100YR Projected	100	31,454,000	12.150	7.78
DA18 Perv	2YR Projected	2	1,024,000	12.150	0.26
DA18 Perv	10YR Projected	10	2,866,000	12.150	0.84
DA18 Perv	100YR Projected	100	8,413,000	12.150	2.49
DA49 Imp	2YR Projected	2	3,868,000	12.100	1.20
DA49 Imp	10YR Projected	10	6,353,000	12.100	1.93
DA49 Imp	100YR Projected	100	12,095,000	12.100	3.59
DA49 Perv	2YR Projected	2	498,000	12.100	0.16
DA49 Perv	10YR Projected	10	1,394,000	12.100	0.50
DA49 Perv	100YR Projected	100	4,091,000	12.100	1.48
DA21 Perv	2YR Projected	2	636,000	12.100	0.18
DA21 Perv	10YR Projected	10	1,781,000	12.100	0.58
DA21 Perv	100YR Projected	100	5,228,000	12.100	1.73
DA21 Imp	2YR Projected	2	6,495,000	12.100	1.94
DA21 Imp	10YR Projected	10	10,791,000	12.100	3.14

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA21 Imp	100YR Projected	100	20,735,000	12.100	5.87
DA48 Imp	2YR Projected	2	2,623,000	12.100	0.80
DA48 Imp	10YR Projected	10	4,358,000	12.100	1.29
DA48 Imp	100YR Projected	100	8,374,000	12.100	2.42
DA48 Perv	2YR Projected	2	249,000	12.100	0.07
DA48 Perv	10YR Projected	10	697,000	12.100	0.23
DA48 Perv	100YR Projected	100	2,046,000	12.100	0.70
DA6 Perv	2YR Projected	2	609,000	12.100	0.18
DA6 Perv	10YR Projected	10	1,704,000	12.100	0.57
DA6 Perv	100YR Projected	100	5,001,000	12.100	1.70
DA6 Imp	2YR Projected	2	6,318,000	12.100	1.89
DA6 Imp	10YR Projected	10	10,377,000	12.100	3.02
DA6 Imp	100YR Projected	100	19,757,000	12.100	5.63
DA5 Imp	2YR Projected	2	4,749,000	12.100	1.51
DA5 Imp	10YR Projected	10	7,887,000	12.100	2.44
DA5 Imp	100YR Projected	100	15,154,000	12.100	4.56
DA5 Perv	2YR Projected	2	363,000	12.100	0.13
DA5 Perv	10YR Projected	10	1,013,000	12.100	0.38
DA5 Perv	100YR Projected	100	2,964,000	12.100	1.09
DA61 Perv	2YR Projected	2	167,000	12.100	0.06
DA61 Perv	10YR Projected	10	466,000	12.100	0.17
DA61 Perv	100YR Projected	100	1,365,000	12.100	0.50
DA61 Imp	2YR Projected	2	6,919,000	12.100	2.11
DA61 Imp	10YR Projected	10	11,234,000	12.100	3.37
DA61 Imp	100YR Projected	100	21,195,000	12.100	6.26
DA37 Perv	2YR Projected	2	498,000	12.150	0.13
DA37 Perv	10YR Projected	10	1,394,000	12.100	0.41
DA37 Perv	100YR Projected	100	4,092,000	12.100	1.26
DA37 Imp	2YR Projected	2	4,513,000	12.100	1.41
DA37 Imp	10YR Projected	10	7,412,000	12.100	2.26
DA37 Imp	100YR Projected	100	14,112,000	12.100	4.21
DA31 Perv	2YR Projected	2	3,592,000	12.100	1.03
DA31 Perv	10YR Projected	10	5,833,000	12.100	1.64
DA31 Perv	100YR Projected	100	11,005,000	12.100	3.04
DA31 Imp	2YR Projected	2	7,478,000	12.100	2.32
DA31 Imp	10YR Projected	10	12,282,000	12.100	3.73
DA31 Imp	100YR Projected	100	23,385,000	12.100	6.94
DA4 Imp	2YR Projected	2	10,747,000	12.100	3.43
DA4 Imp	10YR Projected	10	17,850,000	12.100	5.52
DA4 Imp	100YR Projected	100	34,296,000	12.100	10.32
DA4 Perv	2YR Projected	2	419,000	12.100	0.15
DA4 Perv	10YR Projected	10	1,168,000	12.100	0.44
DA4 Perv	100YR Projected	100	3,420,000	12.100	1.26

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA1 Imp	2YR Projected	2	6,962,000	12.100	2.17
DA1 Imp	10YR Projected	10	11,435,000	12.100	3.47
DA1 Imp	100YR Projected	100	21,772,000	12.100	6.47
DA1 Perv	2YR Projected	2	3,130,000	12.100	1.10
DA1 Perv	10YR Projected	10	7,871,000	12.100	2.88
DA1 Perv	100YR Projected	100	21,313,000	12.100	7.60
DA14 Imp	2YR Projected	2	4,122,000	12.100	1.31
DA14 Imp	10YR Projected	10	6,848,000	12.100	2.12
DA14 Imp	100YR Projected	100	13,159,000	12.100	3.96
DA14 Perv	2YR Projected	2	194,000	12.100	0.07
DA14 Perv	10YR Projected	10	543,000	12.100	0.20
DA14 Perv	100YR Projected	100	1,592,000	12.100	0.58
DA13 Imp	2YR Projected	2	4,114,000	12.100	1.34
DA13 Imp	10YR Projected	10	6,913,000	12.100	2.17
DA13 Imp	100YR Projected	100	13,407,000	12.100	4.07
DA13 Perv	2YR Projected	2	111,000	12.100	0.04
DA13 Perv	10YR Projected	10	311,000	12.100	0.12
DA13 Perv	100YR Projected	100	911,000	12.100	0.33
DA2 Perv	2YR Projected	2	2,710,000	12.100	0.87
DA2 Perv	10YR Projected	10	7,415,000	12.100	2.64
DA2 Perv	100YR Projected	100	21,399,000	12.100	7.59
DA2 Imp	2YR Projected	2	10,831,000	12.100	3.39
DA2 Imp	10YR Projected	10	17,789,000	12.100	5.43
DA2 Imp	100YR Projected	100	33,867,000	12.100	10.10
DA9 Imp	2YR Projected	2	6,122,000	12.100	1.95
DA9 Imp	10YR Projected	10	10,169,000	12.100	3.15
DA9 Imp	100YR Projected	100	19,540,000	12.100	5.88
DA9 Perv	2YR Projected	2	415,000	12.150	0.11
DA9 Perv	10YR Projected	10	1,162,000	12.150	0.34
DA9 Perv	100YR Projected	100	3,411,000	12.150	1.01
DA10 Perv	2YR Projected	2	665,000	12.100	0.23
DA10 Perv	10YR Projected	10	1,861,000	12.100	0.69
DA10 Perv	100YR Projected	100	5,460,000	12.100	2.00
DA10 Imp	2YR Projected	2	10,513,000	12.100	3.22
DA10 Imp	10YR Projected	10	17,069,000	12.100	5.13
DA10 Imp	100YR Projected	100	32,204,000	12.100	9.52
DA54 Imp	2YR Projected	2	3,873,000	12.100	1.23
DA54 Imp	10YR Projected	10	6,433,000	12.100	1.99
DA54 Imp	100YR Projected	100	12,361,000	12.100	3.72
DA54 Perv	2YR Projected	2	277,000	12.100	0.09
DA54 Perv	10YR Projected	10	775,000	12.100	0.29
DA54 Perv	100YR Projected	100	2,275,000	12.100	0.83
DA41 Perv	2YR Projected	2	56,000	12.100	0.02

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
DA41 Perv	10YR Projected	10	156,000	12.100	0.06
DA41 Perv	100YR Projected	100	456,000	12.100	0.17
DA41 Imp	2YR Projected	2	2,124,000	12.100	0.68
DA41 Imp	10YR Projected	10	3,529,000	12.100	1.09
DA41 Imp	100YR Projected	100	6,779,000	12.100	2.04
DA27	2YR Projected	2	10,247,000	12.100	3.13
DA27	10YR Projected	10	16,637,000	12.100	4.99
DA27	100YR Projected	100	31,387,000	12.050	9.27
DA29 Perv	2YR Projected	2	581,000	12.100	0.16
DA29 Perv	10YR Projected	10	1,626,000	12.100	0.53
DA29 Perv	100YR Projected	100	4,774,000	12.100	1.60
DA29 Imp	2YR Projected	2	13,280,000	12.100	4.14
DA29 Imp	10YR Projected	10	21,810,000	12.100	6.64
DA29 Imp	100YR Projected	100	41,525,000	12.100	12.36
DA7 Perv	2YR Projected	2	580,000	12.100	0.19
DA7 Perv	10YR Projected	10	1,625,000	12.100	0.58
DA7 Perv	100YR Projected	100	4,772,000	12.100	1.71
DA7 Imp	2YR Projected	2	5,157,000	12.100	1.60
DA7 Imp	10YR Projected	10	8,470,000	12.100	2.56
DA7 Imp	100YR Projected	100	16,126,000	12.100	4.77

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)
POI-2 (Harry's Brook)	2YR Projected	2	189,356,000	13.450	6.72
POI-2 (Harry's Brook)	10YR Projected	10	535,281,000	13.600	26.59
POI-2 (Harry's Brook)	100YR Projected	100	1,416,763,000	12.750	57.11
J 24	2YR Projected	2	131,808,000	13.400	6.49
J 24	10YR Projected	10	324,269,000	12.700	26.71
J 24	100YR Projected	100	810,967,000	12.350	97.66
POI-1 Barclay Square	2YR Projected	2	166,796,000	13.150	10.33
POI-1 Barclay Square	10YR Projected	10	392,183,000	12.350	52.46
POI-1 Barclay Square	100YR Projected	100	988,740,000	12.200	146.34
POI-3 Barclay Square	2YR Projected	2	11,468,000	12.100	3.14
Ex					
POI-3 Barclay Square	10YR Projected	10	31,364,000	12.100	9.93
Ex					
POI-3 Barclay Square	100YR Projected	100	90,496,000	12.100	29.27

Pond Summary

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Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (hours)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
EX BASIN 6 (IN)	2YR Projected	2	190,462,000	12.200	38.18	(N/A)	(N/A)
EX BASIN 6 (OUT)	2YR Projected	2	57,548,000	20.400	0.97	91.54	161,152,000
EX BASIN 6 (IN)	10YR Projected	10	344,019,000	12.200	66.19	(N/A)	(N/A)
EX BASIN 6 (OUT)	10YR Projected	10	208,439,000	13.600	7.19	92.25	213,062,000
EX BASIN 6 (IN)	100YR Projected	100	740,982,000	12.200	141.36	(N/A)	(N/A)
EX BASIN 6 (OUT)	100YR Projected	100	603,817,000	12.750	37.71	94.14	364,922,000
Inf130 (IN)	2YR Projected	2	195,339,000	12.100	20.01	(N/A)	(N/A)
Inf130 (OUT)	2YR Projected	2	123,546,000	13.600	6.10	93.09	49,957,000
Inf130 (IN)	10YR Projected	10	384,564,000	12.150	43.30	(N/A)	(N/A)
Inf130 (OUT)	10YR Projected	10	302,558,000	12.800	23.94	94.15	86,815,000
Inf130 (IN)	100YR Projected	100	843,078,000	12.150	123.23	(N/A)	(N/A)
Inf130 (OUT)	100YR Projected	100	746,231,000	12.400	85.57	95.71	144,824,000
Bio28 (IN)	2YR Projected	2	26,752,000	12.100	7.73	(N/A)	(N/A)
Bio28 (OUT)	2YR Projected	2	8,261,000	12.250	2.78	92.32	6,023,000
Bio28 (IN)	10YR Projected	10	47,768,000	12.100	13.27	(N/A)	(N/A)
Bio28 (OUT)	10YR Projected	10	21,710,000	12.200	6.60	93.00	9,566,000
Bio28 (IN)	100YR Projected	100	99,939,000	12.100	26.81	(N/A)	(N/A)
Bio28 (OUT)	100YR Projected	100	62,737,000	12.200	15.29	94.19	16,590,000
Bio45 (IN)	2YR Projected	2	96,423,000	12.100	13.54	(N/A)	(N/A)
Bio45 (OUT)	2YR Projected	2	88,444,000	13.500	3.29	98.76	31,581,000
Bio45 (IN)	10YR Projected	10	193,288,000	12.100	26.91	(N/A)	(N/A)
Bio45 (OUT)	10YR Projected	10	185,207,000	12.450	14.27	99.38	41,744,000
Bio45 (IN)	100YR Projected	100	426,794,000	12.100	65.26	(N/A)	(N/A)
Bio45 (OUT)	100YR Projected	100	418,624,000	12.250	48.62	100.44	60,408,000
UGB57 (IN)	2YR Projected	2	11,057,000	12.100	3.46	(N/A)	(N/A)

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Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB57 (OUT)	2YR Projected	2	0.000	0.000	0.00	112.47	11,058.000
UGB57 (IN)	10YR Projected	10	18,414.000	12.100	5.66	(N/A)	(N/A)
UGB57	10YR Projected	10	7,045.000	14.150	0.25	112.71	13,404.000
UGB57 (IN)	100YR Projected	100	35,694.000	12.100	10.77	(N/A)	(N/A)
UGB57	100YR Projected	100	24,325.000	12.350	2.18	113.48	20,149.000
UGB56 (IN)	2YR Projected	2	27,596.000	12.100	8.62	(N/A)	(N/A)
UGB56	2YR Projected	2	14,035.000	13.550	0.48	111.29	18,773.000
UGB56 (IN)	10YR Projected	10	46,218.000	12.100	14.19	(N/A)	(N/A)
UGB56	10YR Projected	10	32,655.000	12.550	1.99	111.76	26,903.000
UGB56 (IN)	100YR Projected	100	90,229.000	12.100	27.24	(N/A)	(N/A)
UGB56	100YR Projected	100	76,666.000	12.200	8.61	112.83	42,333.000
UGB62 (IN)	2YR Projected	2	18,962.000	12.100	5.80	(N/A)	(N/A)
UGB62	2YR Projected	2	16,077.000	12.550	0.85	109.13	10,525.000
UGB62 (IN)	10YR Projected	10	31,179.000	12.100	9.42	(N/A)	(N/A)
UGB62	10YR Projected	10	28,287.000	12.500	1.45	109.58	15,775.000
UGB62 (IN)	100YR Projected	100	59,796.000	12.100	17.84	(N/A)	(N/A)
UGB62	100YR Projected	100	56,896.000	12.350	3.60	110.59	26,174.000
UGB63 (IN)	2YR Projected	2	13,306.000	12.100	4.06	(N/A)	(N/A)
UGB63	2YR Projected	2	8,945.000	12.300	0.93	105.52	7,326.000
UGB63 (IN)	10YR Projected	10	21,606.000	12.100	6.48	(N/A)	(N/A)
UGB63	10YR Projected	10	17,244.000	12.150	2.42	105.98	9,846.000
UGB63 (IN)	100YR Projected	100	40,762.000	12.100	12.03	(N/A)	(N/A)
UGB63	100YR Projected	100	36,400.000	12.150	7.63	106.61	12,898.000
Bi01 (IN)	2YR Projected	2	179,663.000	12.300	22.40	(N/A)	(N/A)

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Page 11 of 403

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
Bi01 (OUT)	2YR Projected	2	166,796.000	13.150	10.33	84.50	47,192.000
Bi01 (IN)	10YR Projected	10	409,219.000	12.200	59.66	(N/A)	(N/A)
Bi01 (OUT)	10YR Projected	10	392,183.000	12.350	52.46	85.97	59,348.000
Bi01 (IN)	100YR Projected	100	989,739.000	12.150	135.20	(N/A)	(N/A)
Bi01 (OUT)	100YR Projected	100	969,586.000	12.200	132.30	87.22	70,566.000
Bi012 (IN)	2YR Projected	2	127,630.000	12.150	16.21	(N/A)	(N/A)
Bi012 (OUT)	2YR Projected	2	100,491.000	12.300	13.25	87.59	13,689.000
Bi012 (IN)	10YR Projected	10	286,150.000	12.150	41.42	(N/A)	(N/A)
Bi012 (OUT)	10YR Projected	10	250,535.000	12.250	37.55	88.45	19,682.000
Bi012 (IN)	100YR Projected	100	694,068.000	12.150	98.25	(N/A)	(N/A)
Bi012 (OUT)	100YR Projected	100	653,340.000	12.200	96.14	89.30	26,317.000
Bi035 (IN)	2YR Projected	2	32,356.000	12.100	1.42	(N/A)	(N/A)
Bi035 (OUT)	2YR Projected	2	24,015.000	17.900	0.46	105.27	9,514.000
Bi035 (IN)	10YR Projected	10	80,537.000	12.700	4.62	(N/A)	(N/A)
Bi035 (OUT)	10YR Projected	10	70,048.000	14.050	2.60	106.09	14,811.000
Bi035 (IN)	100YR Projected	100	202,917.000	12.350	24.47	(N/A)	(N/A)
Bi035 (OUT)	100YR Projected	100	191,293.000	12.500	19.79	107.32	24,587.000
UGB59 (IN)	2YR Projected	2	44,533.000	12.100	6.20	(N/A)	(N/A)
UGB59	2YR Projected	2	27,537.000	14.800	0.99	105.41	23,494.000
UGB59 (IN)	10YR Projected	10	87,202.000	12.100	12.25	(N/A)	(N/A)
UGB59	10YR Projected	10	70,175.000	12.750	4.15	106.16	35,506.000
UGB59 (IN)	100YR Projected	100	194,085.000	12.100	30.33	(N/A)	(N/A)
UGB59	100YR Projected	100	177,034.000	12.350	22.44	107.51	51,899.000
Bi058 (IN)	2YR Projected	2	27,092.000	12.100	7.68	(N/A)	(N/A)
Bi058 (OUT)	2YR Projected	2	21,677.000	12.550	1.43	108.12	13,354.000
Bi058 (IN)	10YR Projected	10	49,553.000	12.100	13.72	(N/A)	(N/A)

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Page 12 of 403

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
Bio58 (OUT)	10YR Projected	10	44,132.000	12.400	3.81	108.91	20,969.000
Bio58 (IN)	100YR Projected	100	105,572.000	12.100	28.40	(N/A)	(N/A)
Bio58 (OUT)	100YR Projected	100	100,145.000	12.250	13.28	109.98	32,679.000
Bio51 (IN)	2YR Projected	2	11,094.000	12.100	3.08	(N/A)	(N/A)
Bio51 (OUT)	2YR Projected	2	4,247.000	12.350	0.82	103.31	4,160.000
Bio51 (IN)	10YR Projected	10	21,323.000	12.100	6.02	(N/A)	(N/A)
Bio51 (OUT)	10YR Projected	10	13,962.000	12.200	3.40	103.83	6,119.000
Bio51 (IN)	100YR Projected	100	48,364.000	12.100	13.64	(N/A)	(N/A)
Bio51 (OUT)	100YR Projected	100	40,307.000	12.200	9.03	104.59	9,352.000
Bio26 (IN)	2YR Projected	2	28,699.000	12.100	8.32	(N/A)	(N/A)
Bio26 (OUT)	2YR Projected	2	19,704.000	12.250	3.41	98.76	10,848.000
Bio26 (IN)	10YR Projected	10	48,646.000	12.100	13.36	(N/A)	(N/A)
Bio26 (OUT)	10YR Projected	10	38,843.000	12.200	7.36	99.17	14,250.000
Bio26 (IN)	100YR Projected	100	95,318.000	12.100	24.35	(N/A)	(N/A)
Bio26 (OUT)	100YR Projected	100	84,542.000	12.200	15.07	99.79	19,760.000
Bio25 (IN)	2YR Projected	2	28,202.000	12.100	7.97	(N/A)	(N/A)
Bio25 (OUT)	2YR Projected	2	0.000	0.000	0.00	101.31	19,204.000
Bio25 (IN)	10YR Projected	10	51,513.000	12.100	14.70	(N/A)	(N/A)
Bio25 (OUT)	10YR Projected	10	13,559.000	14.650	0.47	102.13	32,638.000
Bio25 (IN)	100YR Projected	100	110,603.000	12.100	31.58	(N/A)	(N/A)
Bio25 (OUT)	100YR Projected	100	69,263.000	12.450	6.69	103.26	53,285.000
UGB50 (IN)	2YR Projected	2	4,974.000	12.100	1.52	(N/A)	(N/A)
UGB50 (OUT)	2YR Projected	2	4,611.000	12.100	1.33	102.73	726.000
UGB50 (IN)	10YR Projected	10	8,553.000	12.100	2.57	(N/A)	(N/A)
UGB50 (OUT)	10YR Projected	10	8,190.000	12.100	2.15	103.09	903.000

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB50 (IN)	100YR Projected	100	17,243.000	12.100	5.10	(N/A)	(N/A)
UGB50 (OUT)	100YR Projected	100	16,880.000	12.150	3.76	104.46	1,500.000
UGB46 (IN)	2YR Projected	2	4,357.000	12.100	1.34	(N/A)	(N/A)
UGB46 (OUT)	2YR Projected	2	4,237.000	12.100	1.18	104.18	451.000
UGB46 (IN)	10YR Projected	10	7,572.000	12.100	2.31	(N/A)	(N/A)
UGB46 (OUT)	10YR Projected	10	7,452.000	12.100	1.99	104.49	607.000
UGB46 (IN)	100YR Projected	100	15,455.000	12.100	4.65	(N/A)	(N/A)
UGB46 (OUT)	100YR Projected	100	15,334.000	12.150	3.40	105.60	1,144.000
UGB47 (IN)	2YR Projected	2	7,664.000	12.100	2.19	(N/A)	(N/A)
UGB47 (OUT)	2YR Projected	2	7,234.000	12.150	1.32	109.23	1,723.000
UGB47 (IN)	10YR Projected	10	13,547.000	12.100	3.74	(N/A)	(N/A)
UGB47 (OUT)	10YR Projected	10	13,118.000	12.150	2.19	109.62	2,405.000
UGB47 (IN)	100YR Projected	100	28,189.000	12.100	7.51	(N/A)	(N/A)
UGB47 (OUT)	100YR Projected	100	27,760.000	12.200	3.81	111.02	4,524.000
UGB60 (IN)	2YR Projected	2	17,667.000	12.100	5.54	(N/A)	(N/A)
UGB60 (OUT)	2YR Projected	2	10,232.000	12.800	0.61	112.43	10,727.000
UGB60 (IN)	10YR Projected	10	29,749.000	12.100	9.19	(N/A)	(N/A)
UGB60 (OUT)	10YR Projected	10	22,314.000	12.300	2.26	112.93	15,372.000
UGB60 (IN)	100YR Projected	100	58,469.000	12.100	17.79	(N/A)	(N/A)
UGB60 (OUT)	100YR Projected	100	51,035.000	12.150	7.14	113.88	23,108.000
UGB15 (IN)	2YR Projected	2	31,848.000	12.100	5.37	(N/A)	(N/A)
UGB15 (OUT)	2YR Projected	2	29,674.000	12.300	2.61	93.26	5,849.000
UGB15 (IN)	10YR Projected	10	59,493.000	12.100	10.62	(N/A)	(N/A)
UGB15 (OUT)	10YR Projected	10	57,318.000	12.250	6.01	93.72	8,473.000

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB15 (IN)	100YR Projected	100	129,244,000	12.100	25.40	(N/A)	(N/A)
UGB15 (OUT)	100YR Projected	100	127,069,000	12.200	17.11	94.83	13,752,000
UGB16 (IN)	2YR Projected	2	21,490,000	12.100	6.49	(N/A)	(N/A)
UGB16 (OUT)	2YR Projected	2	18,402,000	12.350	1.60	95.42	9,655,000
UGB16 (IN)	10YR Projected	10	38,080,000	12.100	11.39	(N/A)	(N/A)
UGB16 (OUT)	10YR Projected	10	34,992,000	12.250	3.62	96.00	14,125,000
UGB16 (IN)	100YR Projected	100	79,450,000	12.100	23.48	(N/A)	(N/A)
UGB16 (OUT)	100YR Projected	100	76,361,000	12.200	10.67	97.46	22,336,000
UGB55 (IN)	2YR Projected	2	29,426,000	12.100	8.97	(N/A)	(N/A)
UGB55 (OUT)	2YR Projected	2	23,133,000	12.300	2.13	107.55	15,083,000
UGB55 (IN)	10YR Projected	10	49,138,000	12.100	14.80	(N/A)	(N/A)
UGB55 (OUT)	10YR Projected	10	42,845,000	12.150	6.35	108.02	20,201,000
UGB55 (IN)	100YR Projected	100	95,810,000	12.100	28.51	(N/A)	(N/A)
UGB55 (OUT)	100YR Projected	100	89,517,000	12.150	17.82	108.82	27,467,000
UGB32 (IN)	2YR Projected	2	30,013,000	12.100	9.41	(N/A)	(N/A)
UGB32 (OUT)	2YR Projected	2	25,745,000	12.150	3.78	111.39	11,825,000
UGB32 (IN)	10YR Projected	10	49,995,000	12.100	15.38	(N/A)	(N/A)
UGB32 (OUT)	10YR Projected	10	45,727,000	12.150	7.30	111.88	15,696,000
UGB32 (IN)	100YR Projected	100	96,941,000	12.100	29.29	(N/A)	(N/A)
UGB32 (OUT)	100YR Projected	100	92,673,000	12.150	18.02	113.02	22,489,000
UGB33 (IN)	2YR Projected	2	34,598,000	12.100	5.23	(N/A)	(N/A)
UGB33 (OUT)	2YR Projected	2	33,987,000	12.250	4.57	107.41	2,516,000
UGB33 (IN)	10YR Projected	10	61,397,000	12.100	9.98	(N/A)	(N/A)
UGB33 (OUT)	10YR Projected	10	60,786,000	12.200	8.99	107.98	3,553,000

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB33 (IN)	100YR Projected	100	124,854,000	12.100	23.49	(N/A)	(N/A)
UGB33 (OUT)	100YR Projected	100	124,242,000	12.150	22.34	109.31	5,421,000
UGB34 (IN)	2YR Projected	2	4,873,000	12.100	1.53	(N/A)	(N/A)
UGB34 (OUT)	2YR Projected	2	4,079,000	12.250	0.47	110.44	2,154,000
UGB34 (IN)	10YR Projected	10	8,419,000	12.100	2.63	(N/A)	(N/A)
UGB34 (OUT)	10YR Projected	10	7,626,000	12.150	1.03	110.72	3,004,000
UGB34 (IN)	100YR Projected	100	17,068,000	12.100	5.28	(N/A)	(N/A)
UGB34 (OUT)	100YR Projected	100	16,274,000	12.200	1.88	111.59	4,922,000
UGB43 (IN)	2YR Projected	2	2,393,000	12.100	0.73	(N/A)	(N/A)
UGB43 (OUT)	2YR Projected	2	0.000	0.000	0.00	98.99	1,298,000
UGB43 (IN)	10YR Projected	10	5,797,000	12.100	1.53	(N/A)	(N/A)
UGB43 (OUT)	10YR Projected	10	2,930,000	12.400	0.55	99.32	1,877,000
UGB43 (IN)	100YR Projected	100	14,890,000	12.100	4.62	(N/A)	(N/A)
UGB43 (OUT)	100YR Projected	100	11,634,000	12.150	3.30	100.06	3,157,000
UGB44 (IN)	2YR Projected	2	2,240,000	12.100	0.78	(N/A)	(N/A)
UGB44 (OUT)	2YR Projected	2	0.000	0.000	0.00	101.98	1,290,000
UGB44 (IN)	10YR Projected	10	4,072,000	12.100	1.37	(N/A)	(N/A)
UGB44 (OUT)	10YR Projected	10	1,381,000	12.300	0.31	102.21	1,687,000
UGB44 (IN)	100YR Projected	100	8,491,000	12.100	2.73	(N/A)	(N/A)
UGB44 (OUT)	100YR Projected	100	5,365,000	12.150	1.74	102.69	2,529,000
UGB42 (IN)	2YR Projected	2	7,173,000	12.100	2.38	(N/A)	(N/A)
UGB42 (OUT)	2YR Projected	2	5,946,000	12.150	1.40	96.73	2,411,000
UGB42 (IN)	10YR Projected	10	12,862,000	12.100	4.19	(N/A)	(N/A)
UGB42 (OUT)	10YR Projected	10	11,634,000	12.150	2.78	97.15	3,066,000

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB42 (IN)	100YR Projected	100	26,841,000	12.100	8.54	(N/A)	(N/A)
UGB42 (OUT)	100YR Projected	100	25,614,000	12.100	6.76	98.08	4,277,000
Bi636 (IN)	2YR Projected	2	9,947,000	12.100	3.24	(N/A)	(N/A)
Bi636 (OUT)	2YR Projected	2	9,287,000	12.100	2.32	99.59	1,661,000
Bi636 (IN)	10YR Projected	10	18,669,000	12.100	6.15	(N/A)	(N/A)
Bi636 (OUT)	10YR Projected	10	18,009,000	12.100	4.66	100.09	2,390,000
Bi636 (IN)	100YR Projected	100	40,885,000	12.100	13.34	(N/A)	(N/A)
Bi636 (OUT)	100YR Projected	100	40,225,000	12.100	10.43	101.04	4,101,000
Bi653 (IN)	2YR Projected	2	5,021,000	12.100	1.51	(N/A)	(N/A)
Bi653 (OUT)	2YR Projected	2	4,026,000	12.150	0.91	105.89	1,672,000
Bi653 (IN)	10YR Projected	10	9,506,000	12.100	2.87	(N/A)	(N/A)
Bi653 (OUT)	10YR Projected	10	8,511,000	12.150	1.89	106.18	2,184,000
Bi653 (IN)	100YR Projected	100	21,170,000	12.100	6.33	(N/A)	(N/A)
Bi653 (OUT)	100YR Projected	100	20,175,000	12.150	4.38	106.74	3,363,000
Bi652 (IN)	2YR Projected	2	6,108,000	12.100	1.82	(N/A)	(N/A)
Bi652 (OUT)	2YR Projected	2	4,245,000	12.150	1.08	101.12	1,565,000
Bi652 (IN)	10YR Projected	10	11,280,000	12.100	3.37	(N/A)	(N/A)
Bi652 (OUT)	10YR Projected	10	9,261,000	12.150	2.19	101.43	2,144,000
Bi652 (IN)	100YR Projected	100	24,590,000	12.100	7.29	(N/A)	(N/A)
Bi652 (OUT)	100YR Projected	100	22,390,000	12.150	5.03	102.03	3,476,000
UGB20 (IN)	2YR Projected	2	23,933,000	12.100	6.73	(N/A)	(N/A)
UGB20 (OUT)	2YR Projected	2	14,076,000	12.250	2.71	98.89	6,788,000
UGB20 (IN)	10YR Projected	10	42,646,000	12.100	12.22	(N/A)	(N/A)
UGB20 (OUT)	10YR Projected	10	31,161,000	12.150	8.02	99.36	8,718,000
UGB20 (IN)	100YR Projected	100	89,047,000	12.100	25.89	(N/A)	(N/A)

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB20 (OUT)	100YR Projected	100	76,086,000	12.150	20.62	100.06	11,061,000
UGB17 (IN)	2YR Projected	2	10,952,000	12.100	3.48	(N/A)	(N/A)
UGB17 (OUT)	2YR Projected	2	3,622,000	14.750	0.13	111.58	8,153,000
UGB17 (IN)	10YR Projected	10	18,571,000	12.100	5.77	(N/A)	(N/A)
UGB17 (OUT)	10YR Projected	10	11,240,000	12.600	0.74	111.88	11,038,000
UGB17 (IN)	100YR Projected	100	36,625,000	12.100	11.13	(N/A)	(N/A)
UGB17 (OUT)	100YR Projected	100	29,294,000	12.250	3.43	112.59	17,517,000
UGB22 (IN)	2YR Projected	2	11,795,000	12.100	3.82	(N/A)	(N/A)
UGB22 (OUT)	2YR Projected	2	5,449,000	13.250	0.29	108.13	7,443,000
UGB22 (IN)	10YR Projected	10	21,022,000	12.100	6.76	(N/A)	(N/A)
UGB22 (OUT)	10YR Projected	10	14,676,000	12.300	1.65	108.51	10,552,000
UGB22 (IN)	100YR Projected	100	43,841,000	12.100	13.90	(N/A)	(N/A)
UGB22 (OUT)	100YR Projected	100	37,495,000	12.150	6.58	109.29	16,332,000
Inf18 (IN)	2YR Projected	2	15,033,000	12.100	3.95	(N/A)	(N/A)
Inf18 (OUT)	2YR Projected	2	13,350,000	12.300	1.66	110.35	2,505,000
Inf18 (IN)	10YR Projected	10	27,239,000	12.100	7.24	(N/A)	(N/A)
Inf18 (OUT)	10YR Projected	10	24,586,000	12.350	2.68	110.85	5,167,000
Inf18 (IN)	100YR Projected	100	57,156,000	12.100	15.86	(N/A)	(N/A)
Inf18 (OUT)	100YR Projected	100	52,645,000	12.200	8.92	111.66	10,001,000
UGB11 (IN)	2YR Projected	2	37,790,000	12.100	4.62	(N/A)	(N/A)
UGB11 (OUT)	2YR Projected	2	34,195,000	12.100	4.35	85.54	971,000
UGB11 (IN)	10YR Projected	10	71,368,000	12.100	9.45	(N/A)	(N/A)
UGB11 (OUT)	10YR Projected	10	67,428,000	12.100	9.09	85.79	1,211,000
UGB11 (IN)	100YR Projected	100	155,481,000	12.100	23.34	(N/A)	(N/A)

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB11 (OUT)	100YR Projected	100	151,222.000	12.150	22.45	86.31	1,642.000
UGB19 (IN)	2YR Projected	2	18,724.000	12.150	3.31	(N/A)	(N/A)
UGB19 (OUT)	2YR Projected	2	16,796.000	12.300	3.16	96.37	1,431.000
UGB19 (Reverse)	2YR Projected	2	0.000	22.900	0.00	(N/A)	(N/A)
UGB19 (IN)	10YR Projected	10	39,199.000	12.150	10.03	(N/A)	(N/A)
UGB19 (OUT)	10YR Projected	10	36,907.000	12.200	8.69	97.13	2,051.000
UGB19 (IN)	100YR Projected	100	92,315.000	12.150	24.62	(N/A)	(N/A)
UGB19 (OUT)	100YR Projected	100	89,701.000	12.150	23.26	97.82	2,509.000
UGB18 (IN)	2YR Projected	2	27,879.000	12.150	5.37	(N/A)	(N/A)
UGB18 (OUT)	2YR Projected	2	27,219.000	12.200	4.59	96.32	1,811.000
UGB18 (IN)	10YR Projected	10	56,294.000	12.150	13.28	(N/A)	(N/A)
UGB18 (OUT)	10YR Projected	10	55,634.000	12.200	12.59	96.99	2,298.000
UGB18 (IN)	100YR Projected	100	129,568.000	12.150	33.54	(N/A)	(N/A)
UGB18 (OUT)	100YR Projected	100	125,386.000	12.100	23.86	97.50	2,626.000
UGB49 (IN)	2YR Projected	2	4,366.000	12.100	1.36	(N/A)	(N/A)
UGB49 (OUT)	2YR Projected	2	4,212.000	12.100	1.24	103.93	399.000
UGB49 (IN)	10YR Projected	10	7,746.000	12.100	2.43	(N/A)	(N/A)
UGB49 (OUT)	10YR Projected	10	7,593.000	12.100	2.32	104.17	500.000
UGB49 (IN)	100YR Projected	100	16,186.000	12.100	5.06	(N/A)	(N/A)
UGB49 (OUT)	100YR Projected	100	16,032.000	12.100	4.93	104.67	703.000
UGB21 (IN)	2YR Projected	2	7,131.000	12.100	2.12	(N/A)	(N/A)
UGB21 (OUT)	2YR Projected	2	6,984.000	12.150	1.80	99.36	661.000
UGB21 (IN)	10YR Projected	10	12,572.000	12.100	3.71	(N/A)	(N/A)
UGB21 (OUT)	10YR Projected	10	12,425.000	12.150	3.24	99.77	911.000

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[10.02.00.01]
Page 19 of 403

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB21 (IN)	100YR Projected	100	25,963.000	12.100	7.60	(N/A)	(N/A)
UGB21 (OUT)	100YR Projected	100	25,816.000	12.150	6.79	100.59	1,376.000
UGB48 (IN)	2YR Projected	2	2,872.000	12.100	0.87	(N/A)	(N/A)
UGB48 (OUT)	2YR Projected	2	2,731.000	12.150	0.75	101.95	326.000
UGB48 (IN)	10YR Projected	10	5,055.000	12.100	1.53	(N/A)	(N/A)
UGB48 (OUT)	10YR Projected	10	4,914.000	12.100	1.33	102.12	394.000
UGB48 (IN)	100YR Projected	100	10,420.000	12.100	3.12	(N/A)	(N/A)
UGB48 (OUT)	100YR Projected	100	10,279.000	12.100	2.84	102.45	530.000
UGB6 (IN)	2YR Projected	2	12,606.000	12.100	3.69	(N/A)	(N/A)
UGB6 (OUT)	2YR Projected	2	11,392.000	12.150	2.11	97.00	2,323.000
UGB6 (IN)	10YR Projected	10	22,554.000	12.100	6.55	(N/A)	(N/A)
UGB6 (OUT)	10YR Projected	10	20,546.000	12.150	4.74	97.50	2,638.000
UGB6 (IN)	100YR Projected	100	46,850.000	12.100	13.57	(N/A)	(N/A)
UGB6 (OUT)	100YR Projected	100	38,411.000	12.250	5.31	97.50	2,638.000
UGB5 (IN)	2YR Projected	2	16,504.000	12.100	3.73	(N/A)	(N/A)
UGB5 (OUT)	2YR Projected	2	14,816.000	12.200	2.18	96.92	2,271.000
UGB5 (IN)	10YR Projected	10	29,446.000	12.100	7.34	(N/A)	(N/A)
UGB5 (OUT)	10YR Projected	10	27,632.000	12.150	6.38	97.37	2,555.000
UGB5 (IN)	100YR Projected	100	56,530.000	11.950	8.27	(N/A)	(N/A)
UGB5 (OUT)	100YR Projected	100	54,583.000	12.100	7.72	97.47	2,621.000
UGB61 (IN)	2YR Projected	2	7,085.000	12.100	2.17	(N/A)	(N/A)
UGB61 (OUT)	2YR Projected	2	6,537.000	12.150	1.02	108.97	2,186.000
UGB61 (IN)	10YR Projected	10	11,700.000	12.100	3.54	(N/A)	(N/A)
UGB61 (OUT)	10YR Projected	10	11,151.000	12.150	1.48	109.36	3,057.000
UGB61 (IN)	100YR Projected	100	22,560.000	12.100	6.76	(N/A)	(N/A)

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[10.02.00.01]
Page 20 of 403

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB61 (OUT)	100YR Projected	100	22,011.000	12.200	2.31	110.48	5,329.000
UGB37 (IN)	2YR Projected	2	5,011.000	12.100	1.53	(N/A)	(N/A)
UGB37 (OUT)	2YR Projected	2	3,599.000	12.150	0.78	104.90	2,165.000
UGB37 (IN)	10YR Projected	10	8,806.000	12.100	2.67	(N/A)	(N/A)
UGB37 (OUT)	10YR Projected	10	7,394.000	12.150	1.71	105.18	2,692.000
UGB37 (IN)	100YR Projected	100	18,204.000	12.100	5.47	(N/A)	(N/A)
UGB37 (OUT)	100YR Projected	100	16,792.000	12.150	3.90	105.69	3,596.000
UGB31 (IN)	2YR Projected	2	11,070.000	12.100	3.35	(N/A)	(N/A)
UGB31 (OUT)	2YR Projected	2	10,404.000	12.150	1.67	93.97	3,074.000
UGB31 (IN)	10YR Projected	10	18,115.000	12.100	5.36	(N/A)	(N/A)
UGB31 (OUT)	10YR Projected	10	17,449.000	12.200	2.48	94.41	4,262.000
UGB31 (IN)	100YR Projected	100	34,390.000	12.100	9.98	(N/A)	(N/A)
UGB31 (OUT)	100YR Projected	100	33,723.000	12.200	4.01	95.85	7,324.000
UGB4 (IN)	2YR Projected	2	11,166.000	12.100	3.57	(N/A)	(N/A)
UGB4 (OUT)	2YR Projected	2	5,501.000	12.150	1.26	86.66	4,394.000
UGB4 (IN)	10YR Projected	10	19,019.000	12.100	5.96	(N/A)	(N/A)
UGB4 (OUT)	10YR Projected	10	12,895.000	12.150	3.29	87.16	5,999.000
UGB4 (IN)	100YR Projected	100	37,716.000	12.100	11.58	(N/A)	(N/A)
UGB4 (OUT)	100YR Projected	100	31,146.000	12.150	7.72	87.98	8,180.000
UGB2 (IN)	2YR Projected	2	21,269.000	12.100	6.12	(N/A)	(N/A)
UGB2 (OUT)	2YR Projected	2	19,064.000	12.150	4.59	87.09	4,219.000
UGB2 (IN)	10YR Projected	10	39,004.000	12.100	11.09	(N/A)	(N/A)
UGB2 (OUT)	10YR Projected	10	36,798.000	12.100	9.17	87.38	4,753.000
UGB2 (IN)	100YR Projected	100	83,521.000	12.100	24.78	(N/A)	(N/A)
UGB2 (OUT)	100YR Projected	100	77,772.000	12.050	13.43	87.58	5,152.000

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[10.02.00.01]
Page 21 of 403

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB13 (IN)	2YR Projected	2	8,140.000	12.100	2.35	(N/A)	(N/A)
UGB13 (OUT)	2YR Projected	2	7,728.000	12.100	1.86	87.73	823.000
UGB13 (IN)	10YR Projected	10	14,213.000	12.100	3.70	(N/A)	(N/A)
UGB13 (OUT)	10YR Projected	10	13,801.000	12.100	3.03	88.06	1,005.000
UGB13 (IN)	100YR Projected	100	28,667.000	12.100	8.48	(N/A)	(N/A)
UGB13 (OUT)	100YR Projected	100	28,254.000	12.100	7.08	88.86	1,424.000
UGB14 (IN)	2YR Projected	2	4,316.000	12.100	1.38	(N/A)	(N/A)
UGB14 (OUT)	2YR Projected	2	3,915.000	12.100	0.98	87.98	824.000
UGB14 (IN)	10YR Projected	10	7,391.000	12.100	2.32	(N/A)	(N/A)
UGB14 (OUT)	10YR Projected	10	6,989.000	12.150	1.50	88.50	1,109.000
UGB14 (IN)	100YR Projected	100	14,751.000	12.100	4.54	(N/A)	(N/A)
UGB14 (OUT)	100YR Projected	100	14,349.000	12.100	4.08	88.94	1,344.000
UGB9 (IN)	2YR Projected	2	6,537.000	12.100	2.04	(N/A)	(N/A)
UGB9 (OUT)	2YR Projected	2	5,680.000	12.100	1.63	101.81	1,440.000
UGB9 (IN)	10YR Projected	10	11,332.000	12.100	3.47	(N/A)	(N/A)
UGB9 (OUT)	10YR Projected	10	10,474.000	12.100	2.95	102.05	1,717.000
UGB9 (IN)	100YR Projected	100	22,951.000	12.100	6.87	(N/A)	(N/A)
UGB9 (OUT)	100YR Projected	100	22,083.000	12.100	6.23	102.54	2,247.000
UGB10 (IN)	2YR Projected	2	11,178.000	12.100	3.44	(N/A)	(N/A)
UGB10 (OUT)	2YR Projected	2	9,250.000	12.150	2.23	107.62	3,508.000
UGB10 (IN)	10YR Projected	10	18,931.000	12.100	5.82	(N/A)	(N/A)
UGB10 (OUT)	10YR Projected	10	17,003.000	12.150	4.04	107.93	4,256.000
UGB10 (IN)	100YR Projected	100	37,664.000	12.100	11.52	(N/A)	(N/A)
UGB10 (OUT)	100YR Projected	100	35,736.000	12.100	9.10	108.60	5,762.000
UGB54 (IN)	2YR Projected	2	4,150.000	12.100	1.33	(N/A)	(N/A)

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[10.02.00.01]
Page 22 of 403

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB54 (OUT)	2YR Projected	2	4,024.000	12.100	1.21	100.14	431.000
UGB54 (IN)	10YR Projected	10	7,209.000	12.100	2.28	(N/A)	(N/A)
UGB54	10YR Projected	10	7,083.000	12.100	2.16	100.40	546.000
UGB54 (IN)	100YR Projected	100	14,636.000	12.100	4.55	(N/A)	(N/A)
UGB54 (OUT)	100YR Projected	100	14,511.000	12.100	4.08	101.17	826.000
UGB41 (IN)	2YR Projected	2	2,180.000	12.100	0.70	(N/A)	(N/A)
UGB41 (OUT)	2YR Projected	2	2,017.000	12.100	0.64	105.29	309.000
UGB41 (IN)	10YR Projected	10	3,684.000	12.100	1.15	(N/A)	(N/A)
UGB41 (OUT)	10YR Projected	10	3,521.000	12.100	1.06	105.52	374.000
UGB41 (IN)	100YR Projected	100	7,235.000	12.100	2.21	(N/A)	(N/A)
UGB41 (OUT)	100YR Projected	100	7,072.000	12.100	1.85	106.33	569.000
UGB27 (IN)	2YR Projected	2	10,247.000	12.100	3.13	(N/A)	(N/A)
UGB27 (OUT)	2YR Projected	2	7,239.000	12.150	2.05	100.61	2,550.000
UGB27 (IN)	10YR Projected	10	16,637.000	12.100	4.99	(N/A)	(N/A)
UGB27 (OUT)	10YR Projected	10	13,442.000	12.150	3.21	100.97	3,219.000
UGB27 (IN)	100YR Projected	100	31,387.000	12.050	9.27	(N/A)	(N/A)
UGB27 (OUT)	100YR Projected	100	28,007.000	12.150	5.32	102.23	5,099.000
BIO29 (IN)	2YR Projected	2	13,860.000	12.100	4.30	(N/A)	(N/A)
BIO29 (OUT)	2YR Projected	2	12,905.000	12.100	3.84	94.90	1,112.000
BIO29 (IN)	10YR Projected	10	23,437.000	12.100	7.17	(N/A)	(N/A)
BIO29 (OUT)	10YR Projected	10	22,433.000	12.100	6.41	95.27	1,510.000
BIO29 (IN)	100YR Projected	100	46,299.000	12.100	13.95	(N/A)	(N/A)
BIO29 (OUT)	100YR Projected	100	45,236.000	12.100	12.57	95.95	2,442.000
UGB7 (IN)	2YR Projected	2	5,737.000	12.100	1.78	(N/A)	(N/A)
UGB7 (OUT)	2YR Projected	2	157.000	17.150	0.01	101.55	3,797.000

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[10.02.00.01]
Page 23 of 463

Basin Routings Projected Rainfall

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft ³)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft ³)
UGB7 (IN)	10YR Projected	10	10,095.000	12.100	3.14	(N/A)	(N/A)
UGB7 (OUT)	10YR Projected	10	4,216.000	12.200	1.03	102.05	4,401.000
UGB7 (IN)	100YR Projected	100	20,898.000	12.100	6.48	(N/A)	(N/A)
UGB7 (OUT)	100YR Projected	100	15,882.000	12.050	3.05	102.50	4,882.000
UGB3 (IN)	2YR Projected	2	28,363.000	12.350	0.82	(N/A)	(N/A)
UGB3 (OUT)	2YR Projected	2	27,001.000	12.600	0.64	85.96	537.000
UGB3 (IN)	10YR Projected	10	84,010.000	12.200	3.56	(N/A)	(N/A)
UGB3 (OUT)	10YR Projected	10	81,821.000	14.100	2.94	86.70	2,142.000
UGB3 (IN)	100YR Projected	100	231,600.000	12.450	24.53	(N/A)	(N/A)
UGB3 (OUT)	100YR Projected	100	232,499.000	12.300	18.36	89.50	8,482.000

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[10.02.00.01]
Page 24 of 463

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio1
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	1.0000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	77.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
77.00	0.00	0.000	0.110	0.00	0.00	0.00
77.10	0.00	480.991	0.111	0.11	0.11	5.46
77.20	0.00	965.654	0.112	0.11	0.11	10.84
77.30	0.00	1,454.003	0.113	0.11	0.11	16.27
77.40	0.00	1,946.052	0.113	0.11	0.11	21.74
77.50	0.00	2,441.815	0.114	0.12	0.12	27.25
77.52	0.00	2,541.414	0.114	0.12	0.12	28.35
77.60	0.03	2,941.305	0.115	0.12	0.15	32.83
77.70	0.17	3,444.537	0.116	0.12	0.28	38.56
77.80	0.39	3,951.524	0.117	0.12	0.50	44.41
77.90	0.68	4,462.281	0.118	0.12	0.80	50.38
78.00	1.03	4,976.822	0.119	0.12	1.14	56.44
78.10	1.41	5,495.160	0.119	0.12	1.53	62.59
78.20	1.79	6,017.309	0.120	0.12	1.91	68.77
78.30	2.02	6,543.284	0.121	0.12	2.14	74.84
78.40	2.22	7,073.099	0.122	0.12	2.35	80.94
78.50	2.41	7,606.767	0.123	0.12	2.54	87.06
78.60	2.59	8,144.302	0.124	0.12	2.71	93.20
78.70	2.75	8,685.718	0.125	0.13	2.88	99.38
78.80	2.90	9,231.030	0.126	0.13	3.03	105.60
78.90	3.05	9,780.251	0.127	0.13	3.18	111.85
79.00	3.19	10,333.395	0.127	0.13	3.32	118.13
79.10	3.32	10,890.476	0.128	0.13	3.45	124.46
79.20	3.45	11,451.508	0.129	0.13	3.58	130.82
79.30	3.58	12,016.506	0.130	0.13	3.71	137.23
79.40	3.70	12,585.482	0.131	0.13	3.83	143.67
79.50	3.81	13,158.451	0.132	0.13	3.95	150.15
79.60	3.93	13,735.428	0.133	0.13	4.06	156.68

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[10.02.00.01]
Page 23 of 403

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio1
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
79.70	4.04	14,316.425	0.134	0.13	4.17	163.24
79.80	4.14	14,901.457	0.135	0.14	4.28	169.85
79.90	4.25	15,490.538	0.136	0.14	4.38	176.50
80.00	4.35	16,083.682	0.137	0.14	4.49	183.19
80.10	4.45	16,680.902	0.138	0.14	4.59	189.93
80.20	4.54	17,282.213	0.139	0.14	4.68	196.71
80.30	4.64	17,887.629	0.139	0.14	4.78	203.53
80.40	4.73	18,497.164	0.140	0.14	4.87	210.40
80.50	4.82	19,110.831	0.141	0.14	4.97	217.31
80.60	4.91	19,728.645	0.142	0.14	5.06	224.26
80.70	5.00	20,350.619	0.143	0.14	5.15	231.26
80.80	5.09	20,976.768	0.144	0.15	5.23	238.31
80.90	5.17	21,607.105	0.145	0.15	5.32	245.40
81.00	5.26	22,241.644	0.146	0.15	5.40	252.53
81.10	5.34	22,880.400	0.147	0.15	5.49	259.71
81.20	5.42	23,523.387	0.148	0.15	5.57	266.94
81.30	5.50	24,170.617	0.149	0.15	5.65	274.21
81.40	5.58	24,822.106	0.150	0.15	5.73	281.53
81.50	5.66	25,477.867	0.151	0.15	5.81	288.90
81.60	5.73	26,137.914	0.152	0.15	5.89	296.31
81.70	5.81	26,802.262	0.153	0.15	5.96	303.77
81.80	5.88	27,470.923	0.154	0.16	6.04	311.27
81.90	5.96	28,143.913	0.155	0.16	6.11	318.82
82.00	6.03	28,821.245	0.156	0.16	6.19	326.42
82.10	6.10	29,502.932	0.157	0.16	6.26	334.07
82.20	6.17	30,188.990	0.158	0.16	6.33	341.76
82.30	6.24	30,879.432	0.159	0.16	6.40	349.51
82.40	6.31	31,574.271	0.160	0.16	6.47	357.30
82.50	6.38	32,273.522	0.161	0.16	6.54	365.14
82.60	6.45	32,977.199	0.162	0.16	6.61	373.03
82.70	6.52	33,685.316	0.163	0.16	6.68	380.96
82.80	6.58	34,397.887	0.164	0.17	6.75	388.95
82.90	6.65	35,114.925	0.165	0.17	6.81	396.98
83.00	6.71	35,836.445	0.166	0.17	6.88	405.06
83.10	6.78	36,562.461	0.167	0.17	6.95	413.20
83.20	6.84	37,292.986	0.168	0.17	7.01	421.38
83.30	6.91	38,028.035	0.169	0.17	7.08	429.61
83.40	6.97	38,767.621	0.170	0.17	7.14	437.89
83.50	7.03	39,511.759	0.171	0.17	7.20	446.22
83.60	7.09	40,260.462	0.172	0.17	7.27	454.60
83.70	7.15	41,013.744	0.173	0.17	7.33	463.04
83.80	7.21	41,771.620	0.174	0.17	7.39	471.52
83.90	7.27	42,534.103	0.176	0.18	7.45	480.05

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[10.02.00.01]
Page 26 of 403

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: Bio1 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25t + O (ft³/s)
84.00	7.33	43,301.208	0.177	0.18	7.51	488.64
84.05	7.36	43,686.497	0.177	0.18	7.54	492.95
84.10	7.49	44,072.947	0.178	0.18	7.67	497.37
84.20	7.98	44,849.336	0.179	0.18	8.16	506.48
84.30	8.64	45,630.388	0.180	0.18	8.82	515.82
84.40	9.43	46,416.118	0.181	0.18	9.61	525.35
84.50	10.34	47,206.538	0.182	0.18	10.53	535.04
84.60	11.35	48,001.663	0.183	0.18	11.54	544.89
84.70	12.46	48,801.508	0.184	0.19	12.64	554.88
84.75	13.04	49,203.204	0.185	0.19	13.22	559.93
84.80	13.81	49,606.085	0.185	0.19	14.00	565.17
84.90	15.78	50,415.409	0.186	0.19	15.96	576.13
85.00	18.11	51,229.495	0.187	0.19	18.30	587.52
85.10	20.75	52,048.355	0.189	0.19	20.94	599.26
85.20	23.64	52,872.003	0.190	0.19	23.83	611.30
85.30	26.77	53,700.455	0.191	0.19	26.96	623.63
85.40	30.10	54,533.724	0.192	0.19	30.30	636.23
85.50	33.63	55,371.823	0.193	0.19	33.83	649.07
85.60	37.35	56,214.766	0.194	0.20	37.55	662.16
85.70	41.25	57,062.569	0.195	0.20	41.44	675.47
85.80	45.31	57,915.244	0.196	0.20	45.51	689.01
85.90	49.53	58,772.806	0.197	0.20	49.73	702.76
86.00	53.91	59,635.268	0.199	0.20	54.11	716.72
86.10	62.34	60,502.644	0.200	0.20	62.54	734.79
86.20	70.91	61,374.949	0.201	0.20	71.11	753.05
86.30	78.31	62,252.197	0.202	0.20	78.52	770.21
86.40	84.56	63,134.401	0.203	0.20	84.76	786.26
86.50	90.93	64,021.575	0.204	0.21	91.14	802.49
86.60	96.34	64,913.733	0.205	0.21	96.54	817.81
86.70	101.86	65,810.890	0.207	0.21	102.07	833.31
86.80	107.51	66,713.059	0.208	0.21	107.72	848.98
86.90	113.28	67,620.254	0.209	0.21	113.49	864.83
87.00	119.17	68,532.489	0.210	0.21	119.38	880.85
87.10	125.07	69,451.562	0.212	0.21	125.28	896.96
87.20	131.08	70,379.285	0.214	0.22	131.29	913.29
87.30	137.20	71,315.700	0.216	0.22	137.42	929.81
87.40	143.43	72,260.847	0.218	0.22	143.65	946.54
87.50	149.76	73,214.767	0.220	0.22	149.98	963.48

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations Return Event: 2 years
Label: Bio1 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
77.00	4,791.6	0.00
77.10	4,828.2	0.11
77.20	4,865.0	0.11
77.30	4,902.0	0.11
77.40	4,939.0	0.11
77.50	4,976.2	0.12
77.52	4,983.7	0.12
77.60	5,013.6	0.12
77.70	5,051.1	0.12
77.80	5,088.7	0.12
77.90	5,126.5	0.12
78.00	5,164.4	0.12
78.10	5,202.4	0.12
78.20	5,240.6	0.12
78.30	5,278.9	0.12
78.40	5,317.4	0.12
78.50	5,356.0	0.12
78.60	5,394.7	0.12
78.70	5,433.6	0.13
78.80	5,472.6	0.13
78.90	5,511.8	0.13
79.00	5,551.1	0.13
79.10	5,590.5	0.13
79.20	5,630.1	0.13
79.30	5,669.8	0.13
79.40	5,709.7	0.13
79.50	5,749.7	0.13
79.60	5,789.8	0.13
79.70	5,830.1	0.13
79.80	5,870.5	0.14
79.90	5,911.1	0.14
80.00	5,951.8	0.14
80.10	5,992.6	0.14
80.20	6,033.6	0.14
80.30	6,074.7	0.14
80.40	6,116.0	0.14
80.50	6,157.4	0.14
80.60	6,198.9	0.14
80.70	6,240.6	0.14
80.80	6,282.4	0.15
80.90	6,324.4	0.15
81.00	6,366.5	0.15

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
81.10	6,408.7	0.15
81.20	6,451.1	0.15
81.30	6,493.6	0.15
81.40	6,536.2	0.15
81.50	6,579.0	0.15
81.60	6,622.0	0.15
81.70	6,665.0	0.15
81.80	6,708.2	0.16
81.90	6,751.6	0.16
82.00	6,795.1	0.16
82.10	6,838.7	0.16
82.20	6,882.5	0.16
82.30	6,926.4	0.16
82.40	6,970.4	0.16
82.50	7,014.6	0.16
82.60	7,058.9	0.16
82.70	7,103.4	0.16
82.80	7,148.0	0.17
82.90	7,192.8	0.17
83.00	7,237.7	0.17
83.10	7,282.7	0.17
83.20	7,327.8	0.17
83.30	7,373.2	0.17
83.40	7,418.6	0.17
83.50	7,464.2	0.17
83.60	7,509.9	0.17
83.70	7,555.8	0.17
83.80	7,601.8	0.18
83.90	7,647.9	0.18
84.00	7,694.2	0.18
84.05	7,717.4	0.18
84.10	7,740.6	0.18
84.20	7,787.2	0.18
84.30	7,833.9	0.18
84.40	7,880.7	0.18
84.50	7,927.7	0.18
84.60	7,974.8	0.18
84.70	8,022.1	0.19
84.75	8,045.8	0.19
84.80	8,069.5	0.19
84.90	8,117.0	0.19
85.00	8,164.7	0.19

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.10	8,212.5	0.19
85.20	8,260.5	0.19
85.30	8,308.6	0.19
85.40	8,356.8	0.19
85.50	8,405.2	0.19
85.60	8,453.7	0.20
85.70	8,502.4	0.20
85.80	8,551.2	0.20
85.90	8,600.1	0.20
86.00	8,649.2	0.20
86.10	8,698.4	0.20
86.20	8,747.7	0.20
86.30	8,797.2	0.20
86.40	8,846.9	0.20
86.50	8,896.6	0.21
86.60	8,946.6	0.21
86.70	8,996.6	0.21
86.80	9,046.8	0.21
86.90	9,097.1	0.21
87.00	9,147.6	0.21

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio1 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
1.0000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
77.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	22.40 ft³/s	Time to Peak (Flow, In)	12.300 hours
Infiltration (Peak)	0.18 ft³/s	Time to Peak (Infiltration)	13.150 hours
Flow (Peak Outlet)	10.33 ft³/s	Time to Peak (Flow, Outlet)	13.150 hours

Elevation (Water Surface, Peak)		84.50 ft
Volume (Peak)		47,191.883 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		179,663.000 ft³
Volume (Total Infiltration)		12,867.000 ft³
Volume (Total Outlet Outflow)		166,796.000 ft³
Volume (Retained)		0.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio1 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
1.0000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
77.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	59.66 ft³/s	Time to Peak (Flow, In)	12.200 hours
Infiltration (Peak)	0.20 ft³/s	Time to Peak (Infiltration)	12.350 hours
Flow (Peak Outlet)	52.46 ft³/s	Time to Peak (Flow, Outlet)	12.350 hours

Elevation (Water Surface, Peak)		85.97 ft
Volume (Peak)		59,348.172 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		409,219.000 ft³
Volume (Total Infiltration)		17,035.000 ft³
Volume (Total Outlet Outflow)		392,183.000 ft³
Volume (Retained)		1.000 ft³
Volume (Unrouted)		0.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
77.00	4,791.6	0.00
77.10	4,828.2	0.11
77.20	4,865.0	0.11
77.30	4,902.0	0.11
77.40	4,939.0	0.11
77.50	4,976.2	0.12
77.52	4,983.7	0.12
77.60	5,013.6	0.12
77.70	5,051.1	0.12
77.80	5,088.7	0.12
77.90	5,126.5	0.12
78.00	5,164.4	0.12
78.10	5,202.4	0.12
78.20	5,240.6	0.12
78.30	5,278.9	0.12
78.40	5,317.4	0.12
78.50	5,356.0	0.12
78.60	5,394.7	0.12
78.70	5,433.6	0.13
78.80	5,472.6	0.13
78.90	5,511.8	0.13
79.00	5,551.1	0.13
79.10	5,590.5	0.13
79.20	5,630.1	0.13
79.30	5,669.8	0.13
79.40	5,709.7	0.13
79.50	5,749.7	0.13
79.60	5,789.8	0.13
79.70	5,830.1	0.13
79.80	5,870.5	0.14
79.90	5,911.1	0.14
80.00	5,951.8	0.14
80.10	5,992.6	0.14
80.20	6,033.6	0.14
80.30	6,074.7	0.14
80.40	6,116.0	0.14
80.50	6,157.4	0.14
80.60	6,198.9	0.14
80.70	6,240.6	0.14
80.80	6,282.4	0.15
80.90	6,324.4	0.15
81.00	6,366.5	0.15

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
81.10	6,408.7	0.15
81.20	6,451.1	0.15
81.30	6,493.6	0.15
81.40	6,536.2	0.15
81.50	6,579.0	0.15
81.60	6,622.0	0.15
81.70	6,665.0	0.15
81.80	6,708.2	0.16
81.90	6,751.6	0.16
82.00	6,795.1	0.16
82.10	6,838.7	0.16
82.20	6,882.5	0.16
82.30	6,926.4	0.16
82.40	6,970.4	0.16
82.50	7,014.6	0.16
82.60	7,058.9	0.16
82.70	7,103.4	0.16
82.80	7,148.0	0.17
82.90	7,192.8	0.17
83.00	7,237.7	0.17
83.10	7,282.7	0.17
83.20	7,327.8	0.17
83.30	7,373.2	0.17
83.40	7,418.6	0.17
83.50	7,464.2	0.17
83.60	7,509.9	0.17
83.70	7,555.8	0.17
83.80	7,601.8	0.18
83.90	7,647.9	0.18
84.00	7,694.2	0.18
84.05	7,717.4	0.18
84.10	7,740.6	0.18
84.20	7,787.2	0.18
84.30	7,833.9	0.18
84.40	7,880.7	0.18
84.50	7,927.7	0.18
84.60	7,974.8	0.18
84.70	8,022.1	0.19
84.75	8,045.8	0.19
84.80	8,069.5	0.19
84.90	8,117.0	0.19
85.00	8,164.7	0.19

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio1 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.10	8,212.5	0.19
85.20	8,260.5	0.19
85.30	8,308.6	0.19
85.40	8,356.8	0.19
85.50	8,405.2	0.19
85.60	8,453.7	0.20
85.70	8,502.4	0.20
85.80	8,551.2	0.20
85.90	8,600.1	0.20
86.00	8,649.2	0.20
86.10	8,698.4	0.20
86.20	8,747.7	0.20
86.30	8,797.2	0.20
86.40	8,846.9	0.20
86.50	8,896.6	0.21
86.60	8,946.6	0.21
86.70	8,996.6	0.21
86.80	9,046.8	0.21
86.90	9,097.1	0.21
87.00	9,147.6	0.21
87.10	9,233.9	0.21
87.20	9,320.6	0.22
87.30	9,407.7	0.22
87.40	9,495.3	0.22
87.50	9,583.2	0.22

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio1 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	1.0000 m/h		
Initial Conditions			
Elevation (Water Surface, Initial)	77.00 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	135.20 ft³/s	T	
Infiltration (Peak)	0.22 ft³/s	T	
Flow (Peak Outlet)	132.30 ft³/s	T	
Elevation (Water Surface, Peak)	87.22 ft		
Volume (Peak)	70,566,220 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	989,739,000 ft³		
Volume (Total Infiltration)	20,150,000 ft³		
Volume (Total Outlet Outflow)	969,586,000 ft³		
Volume (Retained)	3.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio1 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio1'

Upstream Link		Upstream Node		
Out7		UGB7		
Out4		UGB4		
Out 12		Bio12		
<Catchment to Outflow Node>		DA1 Imp		
Out11		UGB11		
<Catchment to Outflow Node>		DA1 Perv Basin		
Out8		Infil8		
<Catchment to Outflow Node>		DA1 Perv		
Out5		UGB5		

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out7	157,402	17.150	0.01
Flow (From)	Out4	5,501.192	12.150	1.26
Flow (From)	Out 12	100,490.823	12.300	13.25
Flow (From)	DA1 Imp	6,962.419	12.100	2.17
Flow (From)	Out11	34,194.550	12.100	4.35
Flow (From)	DA1 Perv Basin	1,061.802	12.100	0.35
Flow (From)	Out8	13,349.702	12.300	1.66
Flow (From)	DA1 Perv	3,129.563	12.100	1.10
Flow (From)	Out5	14,815.930	12.200	2.18
Flow (In)	Bio1	179,663.383	12.300	22.40

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio1 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio1'

Upstream Link		Upstream Node		
Out7		UGB7		
Out4		UGB4		
Out 12		Bio12		
<Catchment to Outflow Node>		DA1 Imp		
Out11		UGB11		
<Catchment to Outflow Node>		DA1 Perv Basin		
Out8		Infil8		
<Catchment to Outflow Node>		DA1 Perv		
Out5		UGB5		

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out7	4,216.411	12.200	1.03
Flow (From)	Out4	12,894.569	12.150	3.29
Flow (From)	Out 12	250,534.995	12.250	37.55
Flow (From)	DA1 Imp	11,435.218	12.100	3.47
Flow (From)	Out11	67,428.130	12.100	9.09
Flow (From)	DA1 Perv Basin	2,620.480	12.100	0.90
Flow (From)	Out8	24,585.916	12.350	2.68
Flow (From)	DA1 Perv	7,871.224	12.100	2.88
Flow (From)	Out5	27,632.076	12.150	6.38
Flow (In)	Bio1	409,219.019	12.200	59.66

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio1 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio1'

Upstream Link		Upstream Node	
Out7		UGB7	
Out4		UGB4	
Out12		Bio12	
<Catchment to Outflow Node>		DA1 Imp	
Out11		UGB11	
<Catchment to Outflow Node>		DA1 Perv Basin	
Out8		Infl8	
<Catchment to Outflow Node>		DA1 Perv	
Out5		UGB5	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out7	15,881,619	12.050	3.05
Flow (From)	Out4	31,145,646	12.150	7.72
Flow (From)	Out12	634,186,279	12.200	82.10
Flow (From)	DA1 Imp	21,771,974	12.100	6.47
Flow (From)	Out11	151,221,960	12.150	22.45
Flow (From)	DA1 Perv Basin	6,990,960	12.100	2.38
Flow (From)	Out8	52,644,866	12.200	8.92
Flow (From)	DA1 Perv	21,312,767	12.100	7.60
Flow (From)	Out5	54,583,157	12.100	7.72
Flow (In)	Bio1	989,739,228	12.150	135.20

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio12
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
85.25	0.00	0.000	0.120	0.00	0.00	0.00
85.35	0.00	525.571	0.121	0.24	0.24	6.08
85.45	0.00	1,055.865	0.123	0.25	0.25	11.99
85.55	0.00	1,593.913	0.124	0.25	0.25	17.96
85.65	0.00	2,136.745	0.125	0.25	0.25	23.99
85.75	0.00	2,685.393	0.127	0.26	0.26	30.09
85.85	0.00	3,239.888	0.128	0.26	0.26	36.26
85.95	0.00	3,800.260	0.129	0.26	0.26	42.49
86.05	0.00	4,366.335	0.130	0.26	0.26	48.78
86.15	0.00	4,936.899	0.131	0.27	0.27	55.12
86.25	0.14	5,511.763	0.132	0.27	0.41	61.65
86.35	0.46	6,090.942	0.133	0.27	0.73	68.40
86.45	0.77	6,674.453	0.134	0.27	1.05	75.21
86.55	1.16	7,262.312	0.135	0.27	1.44	82.13
86.65	1.63	7,854.535	0.136	0.28	1.90	89.18
86.75	2.09	8,451.138	0.137	0.28	2.37	96.27
86.85	2.67	9,052.138	0.138	0.28	2.94	103.52
86.95	3.24	9,657.550	0.139	0.28	3.52	110.83
87.05	4.16	10,267.890	0.141	0.28	4.44	118.53
87.15	5.43	10,886.182	0.143	0.29	5.71	126.67
87.25	6.69	11,512.984	0.145	0.29	6.98	134.91
87.35	8.54	12,148.351	0.147	0.30	8.83	143.81
87.45	10.38	12,792.344	0.149	0.30	10.68	152.82
87.55	12.42	13,445.020	0.151	0.30	12.72	162.11
87.65	14.66	14,106.436	0.153	0.31	14.97	171.71
87.75	16.90	14,776.652	0.155	0.31	17.21	181.40
87.85	19.37	15,455.726	0.157	0.32	19.69	191.42
87.95	21.84	16,143.714	0.159	0.32	22.16	201.54

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: Bio12 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25ft + 0 (ft³/s)
88.05	24.68	16,840.608	0.161	0.32	25.01	212.13
88.15	27.89	17,546.052	0.163	0.33	28.22	223.18
88.25	31.10	18,260.027	0.165	0.33	31.43	234.32
88.35	34.40	18,982.587	0.167	0.34	34.73	245.65
88.45	37.69	19,713.782	0.169	0.34	38.03	257.07
88.55	41.74	20,453.663	0.171	0.34	42.08	269.34
88.65	46.53	21,202.281	0.173	0.35	46.88	282.46
88.75	51.33	21,959.688	0.175	0.35	51.68	295.68
88.85	60.33	22,725.937	0.177	0.36	60.68	313.19
88.95	69.32	23,501.076	0.179	0.36	69.68	330.81
89.05	78.99	24,285.097	0.181	0.36	79.35	349.18
89.15	86.49	25,077.685	0.183	0.37	86.86	365.50
89.25	92.79	25,878.824	0.185	0.37	93.16	380.70
89.35	98.96	26,688.560	0.187	0.38	99.34	395.88
89.45	105.13	27,506.939	0.189	0.38	105.51	411.14
89.55	111.49	28,334.007	0.191	0.38	111.87	426.69
89.65	118.03	29,169.811	0.193	0.39	118.42	442.53
89.75	124.57	30,014.395	0.195	0.39	124.96	458.46
89.85	131.46	30,867.806	0.197	0.40	131.86	474.84
89.95	138.35	31,730.089	0.199	0.40	138.76	491.31
90.00	141.80	32,164.572	0.200	0.40	142.20	499.59

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations Return Event: 2 years
Label: Bio12 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.25	5,227.2	0.00
85.35	5,284.3	0.24
85.45	5,341.7	0.25
85.55	5,399.3	0.25
85.65	5,457.4	0.25
85.75	5,515.7	0.26
85.85	5,574.3	0.26
85.95	5,633.2	0.26
86.05	5,684.2	0.26
86.15	5,727.1	0.27
86.25	5,770.2	0.27
86.35	5,813.4	0.27
86.45	5,856.8	0.27
86.55	5,900.4	0.27
86.65	5,944.1	0.28
86.75	5,988.0	0.28
86.85	6,032.0	0.28
86.95	6,076.2	0.28
87.05	6,140.6	0.28
87.15	6,225.4	0.29
87.25	6,310.7	0.29
87.35	6,396.7	0.30
87.45	6,483.2	0.30
87.55	6,570.4	0.30
87.65	6,658.1	0.31
87.75	6,746.3	0.31
87.85	6,835.2	0.32
87.95	6,924.7	0.32
88.05	7,011.9	0.32
88.15	7,097.0	0.33
88.25	7,182.6	0.33
88.35	7,268.7	0.34
88.45	7,355.3	0.34
88.55	7,442.4	0.34
88.65	7,530.0	0.35
88.75	7,618.2	0.35
88.85	7,706.9	0.36
88.95	7,796.0	0.36
89.05	7,883.3	0.36
89.15	7,968.6	0.37
89.25	8,054.3	0.37
89.35	8,140.5	0.38

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio12 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
89.45	8,227.2	0.38
89.55	8,314.3	0.38
89.65	8,401.9	0.39
89.75	8,489.9	0.39
89.85	8,578.4	0.40
89.95	8,667.4	0.40
90.00	8,712.0	0.40

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio12 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	16.21 ft³/s	Time to Peak (Flow, In)	12.150 hours
Infiltration (Peak)	0.31 ft³/s	Time to Peak (Infiltration)	12.300 hours
Flow (Peak Outlet)	13.25 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours

Elevation (Water Surface, Peak)	87.59 ft
Volume (Peak)	13,689,334 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	127,630,000 ft³
Volume (Total Infiltration)	27,140,000 ft³
Volume (Total Outlet Outflow)	100,491,000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio12 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	41.42 ft³/s
Infiltration (Peak)	0.34 ft³/s
Flow (Peak Outlet)	37.55 ft³/s
Time to Peak (Flow, Inlet)	
	12.150 hours
Time to Peak (Flow, Outlet)	
	12.250 hours
Elevation (Water Surface, Peak)	
	88.45 ft
Volume (Peak)	19,681.737 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	286,150.000 ft³
Volume (Total Infiltration)	35,615.000 ft³
Volume (Total Outlet Outflow)	250,535.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio12 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.25	5,227.2	0.00
85.35	5,284.3	0.24
85.45	5,341.7	0.25
85.55	5,399.3	0.25
85.65	5,457.4	0.25
85.75	5,515.7	0.26
85.85	5,574.3	0.26
85.95	5,633.2	0.26
86.05	5,684.2	0.26
86.15	5,727.1	0.27
86.25	5,770.2	0.27
86.35	5,813.4	0.27
86.45	5,856.8	0.27
86.55	5,900.4	0.27
86.65	5,944.1	0.28
86.75	5,988.0	0.28
86.85	6,032.0	0.28
86.95	6,076.2	0.28
87.05	6,140.6	0.28
87.15	6,225.4	0.29
87.25	6,310.7	0.29
87.35	6,396.7	0.30
87.45	6,483.2	0.30
87.55	6,570.4	0.30
87.65	6,658.1	0.31
87.75	6,746.3	0.31
87.85	6,835.2	0.32
87.95	6,924.7	0.32
88.05	7,011.9	0.32
88.15	7,097.0	0.33
88.25	7,182.6	0.33
88.35	7,268.7	0.34
88.45	7,355.3	0.34
88.55	7,442.4	0.34
88.65	7,530.0	0.35
88.75	7,618.2	0.35
88.85	7,706.9	0.36
88.95	7,796.0	0.36
89.05	7,883.3	0.36
89.15	7,968.6	0.37
89.25	8,054.3	0.37
89.35	8,140.5	0.38

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio12 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
89.45	8,227.2	0.38
89.55	8,314.3	0.38
89.65	8,401.9	0.39
89.75	8,489.9	0.39
89.85	8,578.4	0.40
89.95	8,667.4	0.40
90.00	8,712.0	0.40

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio12 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	2.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.25 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	98.25 ft³/s	Time to Peak (Flow, In)	12.150 hours
Infiltration (Peak)	0.38 ft³/s	Time to Peak (Infiltration)	12.200 hours
Flow (Peak Outlet)	96.14 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	89.30 ft
Volume (Peak)	26,317.080 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	694,068.000 ft³
Volume (Total Infiltration)	40,728.000 ft³
Volume (Total Outlet Outflow)	653,340.000 ft³
Volume (Retained)	1.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio12 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio12'

Upstream Link		Upstream Node
Out53		Bio53
Out3		UGB3
Out41		UGB41
<Catchment to Outflow Node>		DA12A Perv
Out52		Bio52
Out2		UGB2
Out55		UGB55
<Catchment to Outflow Node>		DA12A Imp
Out18		UGB18
Out54		UGB54
Out22		UGB22

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out53	4,025,567	12.150	0.91
Flow (From)	Out3	27,000,663	12.600	0.64
Flow (From)	Out41	2,016,556	12.100	0.64
Flow (From)	DA12A Perv	6,664,097	12.250	1.26
Flow (From)	Out52	4,245,368	12.150	1.08
Flow (From)	Out2	19,063,565	12.150	4.59
Flow (From)	Out55	23,132,891	12.300	2.13
Flow (From)	DA12A Imp	4,789,780	12.100	1.41
Flow (From)	Out18	27,218,642	12.200	4.59
Flow (From)	Out54	4,024,205	12.100	1.21
Flow (From)	Out22	5,449,083	13.250	0.29
Flow (In)	Bio12	127,630,418	12.150	16.21

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio12 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio12'

Upstream Link		Upstream Node
Out53		Bio53
Out3		UGB3
Out41		UGB41
<Catchment to Outflow Node>		DA12A Perv
Out52		Bio52
Out2		UGB2
Out55		UGB55
<Catchment to Outflow Node>		DA12A Imp
Out18		UGB18
Out54		UGB54
Out22		UGB22

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out53	8,510,595	12.150	1.89
Flow (From)	Out3	81,821,344	14.100	2.94
Flow (From)	Out41	3,520,662	12.100	1.06
Flow (From)	DA12A Perv	18,223,754	12.250	3.95
Flow (From)	Out52	9,260,509	12.150	2.19
Flow (From)	Out2	36,798,006	12.100	9.17
Flow (From)	Out55	42,844,781	12.150	6.35
Flow (From)	DA12A Imp	7,777,468	12.100	2.24
Flow (From)	Out18	55,633,745	12.200	12.59
Flow (From)	Out54	7,083,153	12.100	2.16
Flow (From)	Out22	14,675,929	12.300	1.65
Flow (In)	Bio12	286,149,946	12.150	41.42

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio12 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio12'

Upstream Link		Upstream Node
Out53		Bio53
Out3		UGB3
Out41		UGB41
<Catchment to Outflow Node>		DA12A Perv
Out52		Bio52
Out2		UGB2
Out55		UGB55
<Catchment to Outflow Node>		DA12A Imp
Out18		UGB18
Out54		UGB54
Out22		UGB22

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out53	20,174,676	12.150	4.38
Flow (From)	Out3	232,498,514	12.300	18.36
Flow (From)	Out41	7,071,805	12.100	1.85
Flow (From)	DA12A Perv	52,580,105	12.200	11.86
Flow (From)	Out52	22,389,583	12.150	5.03
Flow (From)	Out2	77,771,838	12.050	13.43
Flow (From)	Out55	89,517,032	12.150	17.82
Flow (From)	DA12A Imp	14,673,366	12.100	4.17
Flow (From)	Out18	125,385,757	12.100	23.86
Flow (From)	Out54	14,510,683	12.100	4.08
Flow (From)	Out22	37,494,942	12.150	6.58
Flow (In)	Bio12	694,068,302	12.150	98.25

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio25
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5900 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	100.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
100.00	0.00	0.000	0.310	0.00	0.00	0.00
100.25	0.00	3,428,974	0.320	0.16	0.16	38.26
100.50	0.00	6,965,196	0.330	0.17	0.17	77.56
100.75	0.00	10,610,318	0.340	0.17	0.17	118.06
101.00	0.00	14,365,992	0.350	0.18	0.18	159.80
101.25	0.00	18,230,715	0.360	0.18	0.18	202.74
101.35	0.00	19,806,601	0.364	0.18	0.18	220.26
101.50	0.03	22,202,865	0.370	0.19	0.22	246.92
101.75	0.12	26,383,915	0.380	0.19	0.32	292.36
102.00	0.17	30,475,338	0.390	0.20	0.37	338.98
102.25	0.77	34,775,780	0.400	0.20	0.97	387.37
102.50	1.83	39,183,794	0.410	0.21	2.04	437.41
102.75	3.19	43,700,708	0.420	0.21	3.40	488.96
103.00	4.79	48,327,850	0.430	0.22	5.01	541.98
103.25	6.60	53,077,054	0.442	0.22	6.83	596.57
103.50	8.60	57,960,510	0.455	0.23	8.83	652.84
103.75	10.77	62,980,092	0.467	0.24	11.01	710.79
104.00	13.10	68,137,670	0.480	0.24	13.35	770.43

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio25 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
100.00	13,503.6	0.00
100.25	13,929.3	0.16
100.50	14,361.6	0.17
100.75	14,800.5	0.17
101.00	15,246.0	0.18
101.25	15,672.8	0.18
101.35	15,845.1	0.18
101.50	16,105.4	0.19
101.75	16,544.0	0.19
102.00	16,988.4	0.20
102.25	17,416.0	0.20
102.50	17,849.0	0.21
102.75	18,287.2	0.21
103.00	18,730.8	0.22
103.25	19,264.1	0.22
103.50	19,804.8	0.23
103.75	20,353.1	0.24
104.00	20,908.8	0.24

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio25 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5900 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	100.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.97 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.18 ft³/s	Time to Peak (Infiltration)	18.050 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	101.31 ft
Volume (Peak)	19,204,230 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	28,202,000 ft³
Volume (Total Infiltration)	24,578,000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	3,621,000 ft³
Volume (Unrouted)	-3,000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio25 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	100.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	14.70 ft³/s
Infiltration (Peak)	0.20 ft³/s
Flow (Peak Outlet)	0.47 ft³/s
Time to Peak (Flow, In)	
Time to Peak (Infiltration)	
Time to Peak (Flow, Outlet)	
12.100 hours	14.650 hours
Time to Peak (Flow, Total)	
12.100 hours	
Elevation (Water Surface, Peak)	
Volume (Peak)	102.13 ft
Volume (Peak)	32,637.899 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	51,513.000 ft³
Volume (Total Infiltration)	27,321.000 ft³
Volume (Total Outlet Outflow)	13,559.000 ft³
Volume (Retained)	10,632.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio25 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
100.00	13,503.6	0.00
100.25	13,929.3	0.16
100.50	14,361.6	0.17
100.75	14,800.5	0.17
101.00	15,246.0	0.18
101.25	15,672.8	0.18
101.35	15,845.1	0.18
101.50	16,105.4	0.19
101.75	16,544.0	0.19
102.00	16,988.4	0.20
102.25	17,416.0	0.20
102.50	17,849.0	0.21
102.75	18,287.2	0.21
103.00	18,730.8	0.22
103.25	19,264.1	0.22
103.50	19,804.8	0.23
103.75	20,353.1	0.24
104.00	20,908.8	0.24

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio25 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	100.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	31.58 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.22 ft³/s	Time to Peak (Infiltration)	12.450 hours
Flow (Peak Outlet)	6.69 ft³/s	Time to Peak (Flow, Outlet)	12.450 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	103.26 ft
Volume (Peak)	53,284.530 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	110,603.000 ft³
Volume (Total Infiltration)	29,486.000 ft³
Volume (Total Outlet Outflow)	69,263.000 ft³
Volume (Retained)	11,842.000 ft³
Volume (Unrouted)	-12.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio25 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio25'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA25 Perv	
<Catchment to Outflow Node>		DA25 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA25 Perv	4,094.228	12.150	1.06
Flow (From)	DA25 Imp	24,107.780	12.100	6.92
Flow (In)	Bio25	28,202.009	12.100	7.97

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio25 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio25'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA25 Perv	
<Catchment to Outflow Node>		DA25 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA25 Perv	11,461,964	12.100	3.51
Flow (From)	DA25 Imp	40,050,805	12.100	11.18
Flow (In)	Bio25	51,512,769	12.100	14.70

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio25 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio25'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA25 Perv	
<Catchment to Outflow Node>		DA25 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA25 Perv	33,643,605	12.100	10.65
Flow (From)	DA25 Imp	76,959,399	12.100	20.93
Flow (In)	Bio25	110,603,003	12.100	31.58

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: Bio26 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	97.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
97.00	0.00	0.000	0.100	0.00	0.00	0.00
97.25	0.00	1,151.333	0.112	0.06	0.06	12.85
97.50	0.00	2,431.915	0.124	0.06	0.06	27.08
97.75	0.00	3,848.622	0.137	0.07	0.07	42.83
97.80	0.00	4,148.903	0.139	0.07	0.07	46.17
98.00	0.27	5,408.330	0.150	0.08	0.34	60.44
98.25	0.91	7,093.601	0.160	0.08	0.99	79.80
98.50	1.76	8,884.559	0.169	0.09	1.84	100.56
98.75	3.34	10,784.416	0.180	0.09	3.43	123.26
99.00	5.53	12,796.388	0.190	0.10	5.63	147.81
99.25	8.16	14,905.078	0.197	0.10	8.26	173.87
99.50	11.15	17,093.948	0.205	0.10	11.25	201.19
99.75	14.46	19,364.493	0.212	0.11	14.57	229.73
100.00	18.06	21,718.208	0.220	0.11	18.17	259.48

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations Return Event: 2 years
Label: Bio26 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
97.00	4,356.0	0.00
97.25	4,859.2	0.06
97.50	5,390.0	0.06
97.75	5,948.2	0.07
97.80	6,063.2	0.07
98.00	6,534.0	0.08
98.25	6,950.3	0.08
98.50	7,379.5	0.09
98.75	7,821.5	0.09
99.00	8,276.4	0.10
99.25	8,594.1	0.10
99.50	8,917.8	0.10
99.75	9,247.5	0.11
100.00	9,583.2	0.11

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio26 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
97.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	8.32 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.09 ft³/s	Time to Peak (Infiltration)	12.250 hours
Flow (Peak Outlet)	3.41 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)		98.76 ft
Volume (Peak)		10,848.116 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		28,699.000 ft³
Volume (Total Infiltration)		8,811.000 ft³
Volume (Total Outlet Outflow)		19,704.000 ft³
Volume (Retained)		175.000 ft³
Volume (Unrouted)		-8.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio26 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
97.00 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	13.36 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.10 ft³/s	Time to Peak (Infiltration)	12.200 hours
Flow (Peak Outlet)	7.36 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)		99.17 ft
Volume (Peak)		14,250.364 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		48,646.000 ft³
Volume (Total Infiltration)		9,593.000 ft³
Volume (Total Outlet Outflow)		38,843.000 ft³
Volume (Retained)		200.000 ft³
Volume (Unrouted)		-9.000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio26 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
97.00	4,356.0	0.00
97.25	4,859.2	0.06
97.50	5,390.0	0.06
97.75	5,948.2	0.07
97.80	6,063.2	0.07
98.00	6,534.0	0.08
98.25	6,950.3	0.08
98.50	7,379.5	0.09
98.75	7,821.5	0.09
99.00	8,276.4	0.10
99.25	8,594.1	0.10
99.50	8,917.8	0.10
99.75	9,247.5	0.11
100.00	9,583.2	0.11

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio26 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.5900 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	97.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	24.35 ft³/s	Time to Peak (Flow, In)
Infiltration (Peak)	0.11 ft³/s	Time to Peak (Infiltration)
Flow (Peak Outlet)	15.07 ft³/s	Time to Peak (Flow, Outlet)
		12.100 hours
		12.200 hours
		12.200 hours
Elevation (Water Surface, Peak)		
Volume (Peak)	99.79 ft	
	19,760,260 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	95,318,000 ft³	
Volume (Total Infiltration)	10,529,000 ft³	
Volume (Total Outlet Outflow)	84,542,000 ft³	
Volume (Retained)	236,000 ft³	
Volume (Unrouted)	-11,000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio26 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio26'

Upstream Link		Upstream Node	
Out27		UGB27	
<Catchment to Outflow Node>		DA26 Imp	
<Catchment to Outflow Node>		DA26 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out27	7,238.559	12.150	2.05
Flow (From)	DA26 Imp	21,155.863	12.100	6.20
Flow (From)	DA26 Perv	304.248	12.100	0.09
Flow (In)	Bio26	28,698.670	12.100	8.32

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio26 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio26'

Upstream Link		Upstream Node	
Out27		UGB27	
<Catchment to Outflow Node>		DA26 Imp	
<Catchment to Outflow Node>		DA26 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out27	13,441.543	12.150	3.21
Flow (From)	DA26 Imp	34,352.144	12.100	9.89
Flow (From)	DA26 Perv	851.815	12.100	0.29
Flow (In)	Bio26	48,645.502	12.100	13.36

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio26 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio26'

Upstream Link		Upstream Node	
Out27		UGB27	
<Catchment to Outflow Node>		DA26 Imp	
<Catchment to Outflow Node>		DA26 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out27	28,007,317	12.150	5.32
Flow (From)	DA26 Imp	64,810,484	12.100	18.38
Flow (From)	DA26 Perv	2,500,406	12.100	0.85
Flow (In)	Bio26	95,318,208	12.100	24.35

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio28
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.50 ft³/s

Initial Conditions

Elevation (Water Surface, Initial)	91.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
91.00	0.00	0.000	0.095	0.00	0.00	0.00
91.05	0.00	207.698	0.096	0.50	0.50	2.81
91.10	0.00	416.975	0.096	0.50	0.50	5.13
91.15	0.00	627.838	0.097	0.50	0.50	7.48
91.20	0.00	840.293	0.098	0.50	0.50	9.84
91.25	0.00	1,054.345	0.099	0.50	0.50	12.21
91.30	0.00	1,270.001	0.099	0.50	0.50	14.61
91.35	0.00	1,487.267	0.100	0.50	0.50	17.03
91.40	0.00	1,706.148	0.101	0.50	0.50	19.46
91.45	0.00	1,926.650	0.102	0.50	0.50	21.91
91.50	0.00	2,148.780	0.102	0.50	0.50	24.38
91.55	0.04	2,372.544	0.103	0.50	0.54	26.90
91.60	0.12	2,597.947	0.104	0.50	0.62	29.48
91.65	0.22	2,824.995	0.105	0.50	0.72	32.11
91.70	0.34	3,053.695	0.105	0.50	0.84	34.77
91.75	0.47	3,284.053	0.106	0.50	0.97	37.46
91.80	0.62	3,516.073	0.107	0.50	1.12	40.18
91.85	0.78	3,749.764	0.108	0.50	1.28	42.94
91.90	0.95	3,985.129	0.108	0.50	1.45	45.73
91.95	1.13	4,222.176	0.109	0.50	1.63	48.55
92.00	1.33	4,460.911	0.110	0.50	1.83	51.39
92.05	1.53	4,701.282	0.111	0.50	2.03	54.27
92.10	1.74	4,943.240	0.111	0.50	2.24	57.17
92.15	1.97	5,186.790	0.112	0.50	2.47	60.10
92.20	2.20	5,431.937	0.113	0.50	2.70	63.05
92.25	2.44	5,678.686	0.114	0.50	2.94	66.03
92.30	2.68	5,927.042	0.114	0.50	3.18	69.04
92.35	2.93	6,177.011	0.115	0.50	3.43	72.06

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: Bio28 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
92.40	3.18	6,428,598	0.116	0.50	3.68	75.11
92.45	3.44	6,681,808	0.117	0.50	3.94	78.18
92.50	3.70	6,936,646	0.117	0.50	4.20	81.27
92.55	3.97	7,193,118	0.118	0.50	4.47	84.39
92.60	4.24	7,451,228	0.119	0.50	4.74	87.53
92.65	4.52	7,710,982	0.120	0.50	5.02	90.70
92.70	4.80	7,972,386	0.120	0.50	5.30	93.88
92.75	5.09	8,235,444	0.121	0.50	5.59	97.10
92.80	5.39	8,500,161	0.122	0.50	5.89	100.33
92.85	5.68	8,766,544	0.123	0.50	6.18	103.59
92.90	5.99	9,034,596	0.123	0.50	6.49	106.87
92.95	6.30	9,304,323	0.124	0.50	6.80	110.18
93.00	6.61	9,575,731	0.125	0.50	7.11	113.51
93.05	6.93	9,848,879	0.126	0.50	7.43	116.86
93.10	7.25	10,123,824	0.127	0.50	7.75	120.24
93.15	7.58	10,400,573	0.127	0.50	8.08	123.64
93.20	7.91	10,679,133	0.128	0.50	8.41	127.07
93.25	8.25	10,959,508	0.129	0.50	8.75	130.52
93.30	8.59	11,241,705	0.130	0.50	9.09	134.00
93.35	8.94	11,525,730	0.131	0.50	9.44	137.50
93.40	9.32	11,811,589	0.132	0.50	9.82	141.06
93.45	9.64	12,099,287	0.133	0.50	10.14	144.57
93.50	10.00	12,388,830	0.133	0.50	10.50	148.15
93.55	10.36	12,680,225	0.134	0.50	10.86	151.75
93.60	10.72	12,973,476	0.135	0.50	11.22	155.37
93.65	11.09	13,268,591	0.136	0.50	11.59	159.02
93.70	11.46	13,565,575	0.137	0.50	11.96	162.69
93.75	11.84	13,864,434	0.138	0.50	12.34	166.39
93.80	12.22	14,165,174	0.139	0.50	12.72	170.11
93.85	12.60	14,467,800	0.139	0.50	13.10	173.85
93.90	12.98	14,772,319	0.140	0.50	13.48	177.62
93.95	13.37	15,078,737	0.141	0.50	13.87	181.41
94.00	13.76	15,387,058	0.142	0.50	14.26	185.23
94.05	14.15	15,697,286	0.143	0.50	14.65	189.07
94.10	14.55	16,009,422	0.144	0.50	15.05	192.93
94.15	14.95	16,323,470	0.145	0.50	15.45	196.82
94.20	15.35	16,639,439	0.146	0.50	15.85	200.73
94.25	15.75	16,957,332	0.146	0.50	16.25	204.66
94.30	16.15	17,277,156	0.147	0.50	16.65	208.62
94.35	16.56	17,598,917	0.148	0.50	17.06	212.60
94.40	16.96	17,922,621	0.149	0.50	17.46	216.60
94.45	17.36	18,248,273	0.150	0.50	17.86	220.62
94.50	17.77	18,575,879	0.151	0.50	18.27	224.66

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: Bio28 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
94.55	18.16	18,905,446	0.152	0.50	18.66	228.72
94.60	18.59	19,236,979	0.153	0.50	19.09	232.83
94.65	18.98	19,570,484	0.154	0.50	19.48	236.93
94.70	19.37	19,905,966	0.154	0.50	19.87	241.05
94.75	19.72	20,243,432	0.155	0.50	20.22	245.15
94.80	19.92	20,582,887	0.156	0.50	20.42	249.12
94.85	20.44	20,924,338	0.157	0.50	20.94	253.43
94.90	20.96	21,267,790	0.158	0.50	21.46	257.77
94.95	21.49	21,613,249	0.159	0.50	21.99	262.14
95.00	22.02	21,960,720	0.160	0.50	22.52	266.53

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio28 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.50 ft³/s
Initial Conditions	
Elevation (Water Surface, Initial)	91.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	7.73 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.50 ft³/s	Time to Peak (Infiltration)	11.000 hours
Flow (Peak Outlet)	2.78 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)		92.32 ft
Volume (Peak)		6,023.275 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	26,752.000 ft³	
Volume (Total Infiltration)	18,490.000 ft³	
Volume (Total Outlet Outflow)	8,261.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio28 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.50 ft³/s
Initial Conditions	
Elevation (Water Surface, Initial)	91.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	13.27 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.50 ft³/s	Time to Peak (Infiltration)	10.050 hours
Flow (Peak Outlet)	6.60 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)		93.00 ft
Volume (Peak)		9,565.616 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	47,768.000 ft³	
Volume (Total Infiltration)	26,057.000 ft³	
Volume (Total Outlet Outflow)	21,710.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio28 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Constant
Infiltration Rate (Constant)	0.50 ft³/s
Initial Conditions	
Elevation (Water Surface, Initial)	91.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	26.81 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.50 ft³/s	Time to Peak (Infiltration)	7.350 hours
Flow (Peak Outlet)	15.29 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)		94.19 ft
Volume (Peak)		16,589.917 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	99,939.000 ft³	
Volume (Total Infiltration)	37,203.000 ft³	
Volume (Total Outlet Outflow)	62,737.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio28 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio28'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA28 Imp	
Out29		BIO29	
<Catchment to Outflow Node>		DA28 Perv	

Node Inflows		Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Inflow Type	Element			
Flow (From)	DA28 Imp	11,605.445	12.100	3.63
Flow (From)	Out29	12,905.039	12.100	3.84
Flow (From)	DA28 Perv	2,241.229	12.200	0.44
Flow (In)	Bio28	26,751.714	12.100	7.73

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio28 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio28'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA28 Imp	BIO29
Out29			DA28 Perv
<Catchment to Outflow Node>			

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA28 Imp	19,060.493	12.100	5.82
Flow (From)	Out29	22,433.294	12.100	6.41
Flow (From)	DA28 Perv	6,273.824	12.200	1.46
Flow (In)	Bio28	47,767.611	12.100	13.27

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio28 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio28'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA28 Imp	BIO29
Out29			DA28 Perv
<Catchment to Outflow Node>			

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA28 Imp	36,289.478	12.100	10.83
Flow (From)	Out29	45,235.939	12.100	12.57
Flow (From)	DA28 Perv	18,413.949	12.200	4.44
Flow (In)	Bio28	99,939.366	12.100	26.81

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: BIO29 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	93.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
93.00	0.00	0.000	0.005	0.00	0.00	0.00
93.10	0.00	23.279	0.006	0.00	0.00	0.26
93.20	0.00	49.689	0.006	0.00	0.00	0.56
93.30	0.00	79.427	0.007	0.00	0.00	0.89
93.40	0.00	112.690	0.008	0.00	0.00	1.26
93.50	0.00	149.677	0.009	0.00	0.00	1.67
93.60	0.00	190.583	0.010	0.00	0.00	2.12
93.70	0.00	235.608	0.011	0.01	0.01	2.62
93.80	0.00	284.947	0.012	0.01	0.01	3.17
93.90	0.00	338.800	0.013	0.01	0.01	3.77
94.00	0.00	397.363	0.014	0.01	0.01	4.42
94.10	0.14	460.253	0.015	0.01	0.15	5.26
94.20	0.40	527.032	0.016	0.01	0.41	6.27
94.30	0.74	597.817	0.017	0.01	0.75	7.39
94.40	1.14	672.724	0.018	0.01	1.15	8.62
94.50	1.59	751.871	0.019	0.01	1.60	9.95
94.60	2.09	835.374	0.020	0.01	2.10	11.38
94.70	2.64	923.349	0.021	0.01	2.65	12.91
94.80	3.22	1,015.914	0.022	0.01	3.23	14.52
94.90	3.84	1,113.185	0.023	0.01	3.85	16.22
95.00	4.50	1,215.279	0.024	0.01	4.51	18.02
95.10	5.19	1,322.190	0.025	0.01	5.20	19.90
95.20	5.92	1,433.906	0.026	0.01	5.93	21.86
95.30	6.67	1,550.532	0.027	0.01	6.68	23.91
95.40	7.45	1,672.175	0.029	0.01	7.47	26.05
95.50	8.27	1,798.939	0.030	0.01	8.28	28.27
95.60	9.11	1,930.930	0.031	0.02	9.12	30.58
95.70	9.97	2,068.254	0.032	0.02	9.99	32.97

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: BIO29 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
95.80	10.87	2,211.016	0.033	0.02	10.88	35.45
95.90	11.79	2,359.322	0.035	0.02	11.80	38.02
96.00	13.23	2,513.278	0.036	0.02	13.25	41.17

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: BIO29 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
93.00	217.8	0.00
93.10	248.1	0.00
93.20	280.4	0.00
93.30	314.7	0.00
93.40	350.9	0.00
93.50	389.1	0.00
93.60	429.3	0.00
93.70	471.5	0.01
93.80	515.6	0.01
93.90	561.7	0.01
94.00	609.8	0.01
94.10	648.1	0.01
94.20	687.6	0.01
94.30	728.3	0.01
94.40	770.1	0.01
94.50	813.1	0.01
94.60	857.2	0.01
94.70	902.5	0.01
94.80	949.0	0.01
94.90	996.6	0.01
95.00	1,045.4	0.01
95.10	1,093.0	0.01
95.20	1,141.5	0.01
95.30	1,191.2	0.01
95.40	1,241.9	0.01
95.50	1,293.6	0.01
95.60	1,346.4	0.02
95.70	1,400.3	0.02
95.80	1,455.2	0.02
95.90	1,511.1	0.02
96.00	1,568.2	0.02

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: BIO29 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.5900 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	93.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	4.30 ft³/s	T
Infiltration (Peak)	0.01 ft³/s	T
Flow (Peak Outlet)	3.84 ft³/s	T
Elevation (Water Surface, Peak)	94.90 ft	
Volume (Peak)	1,112.482 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	13,860.000 ft³	
Volume (Total Infiltration)	946.000 ft³	
Volume (Total Outlet Outflow)	12,905.000 ft³	
Volume (Retained)	9.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: BIO29 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Infiltration Rate (Average)	Average Infiltration Rate 0.5000 in/h
Initial Conditions		
Elevation (Water Surface, Initial)	93.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	7.17 ft³/s	T
Infiltration (Peak)	0.01 ft³/s	T
Flow (Peak Outlet)	6.41 ft³/s	T
Elevation (Water Surface, Peak)	95.27 ft	
Volume (Peak)	1,510.114 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	23,437,000 ft³	
Volume (Total Infiltration)	994,000 ft³	
Volume (Total Outlet Outflow)	22,433,000 ft³	
Volume (Retained)	9,000 ft³	
Volume (Unretained)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: BIO29 (IN)
Scenario: 100YR Projected
Storm Event: 100yr Projected NOAA D
Return Event: 100 years

Average Infiltration Rating Table

Elevation (Water Surface)		Area (Total)	Flow (Unfriction)
(ft)	(ft²)	(ft³/s)	
93.00	217.8	0.00	
93.10	248.1	0.00	
93.20	280.4	0.00	
93.30	314.7	0.00	
93.40	350.9	0.00	
93.50	388.1	0.00	
93.60	429.3	0.00	
93.70	471.5	0.01	
93.80	515.6	0.01	
93.90	561.7	0.01	
94.00	609.8	0.01	
94.10	648.1	0.01	
94.20	687.6	0.01	
94.30	728.3	0.01	
94.40	770.1	0.01	
94.50	813.1	0.01	
94.60	857.2	0.01	
94.70	902.5	0.01	
94.80	949.0	0.01	
94.90	996.6	0.01	
95.00	1,045.4	0.01	
95.10	1,093.0	0.01	
95.20	1,141.5	0.01	
95.30	1,191.2	0.01	
95.40	1,241.9	0.01	
95.50	1,293.6	0.01	
95.60	1,346.4	0.02	
95.70	1,400.3	0.02	
95.80	1,455.2	0.02	
95.90	1,511.1	0.02	
96.00	1,568.2	0.02	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: BIO29 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	93.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	13.95 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.02 ft³/s	Time to Peak (Infiltration)	12.100 hours
Flow (Peak Outlet)	12.57 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	95.95 ft
Volume (Peak)	2,442.455 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	46,299.000 ft³
Volume (Total Infiltration)	1,053.000 ft³
Volume (Total Outlet Outflow)	45,236.000 ft³
Volume (Retained)	9.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: BIO29 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'BIO29'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA29 Perv	
<Catchment to Outflow Node>		DA29 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA29 Perv	580.916	12.100	0.16
Flow (From)	DA29 Imp	13,279.512	12.100	4.14
Flow (In)	BIO29	13,860.429	12.100	4.30

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: BIO29 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'BIO29'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA29 Perv	
<Catchment to Outflow Node>		DA29 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA29 Perv	1,626,288	12.100	0.53
Flow (From)	DA29 Imp	21,810,331	12.100	6.64
Flow (In)	BIO29	23,436,619	12.100	7.17

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: BIO29 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'BIO29'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA29 Perv	
<Catchment to Outflow Node>		DA29 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA29 Perv	4,773,544	12.100	1.60
Flow (From)	DA29 Imp	41,525,379	12.100	12.36
Flow (In)	BIO29	46,298,922	12.100	13.95

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio35 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
103.40	3,920.4	0.00
103.65	4,272.8	0.05
103.90	4,640.3	0.05
104.15	4,917.6	0.06
104.40	5,131.4	0.06
104.65	5,349.6	0.06
104.90	5,572.4	0.06
105.15	5,850.2	0.07
105.40	6,169.3	0.07
105.65	6,496.8	0.08
105.75	6,630.2	0.08
105.90	6,832.8	0.08
106.15	7,158.5	0.08
106.40	7,478.9	0.09
106.65	7,806.3	0.09
106.90	8,140.7	0.09
107.15	8,466.3	0.10
107.40	8,787.6	0.10
107.65	9,114.9	0.11
107.90	9,448.2	0.11
108.00	9,583.2	0.11

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio35
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
	0.5900 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	103.40 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting [ICPM])	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000 ft³/s
Maximum Iterations	35
ICPM Time Step	0.050 hours
Output Increment	0.050 hours

Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)
17.900	105.27	9,514.000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow.... 12.100	1.42	0.000	0.00
Infiltration... 17.900	0.00	0.000	0.00
Pond Outflow... 17.900	0.46	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow.... 32,356.000	Forward	0.000	Reverse
Infiltration... 0.000	Reverse	7,706.000	Forward
Pond Outflow... 0.000	Reverse	24,015.000	Forward

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	32,356.000 ft³
Volume (Total Out ICPM)	31,721.000 ft³
Volume (Ending)	632.000 ft³
Elevation (Ending) Difference	103.55 ft
Percent of Inflow Volume (Interconnected Pond Mass Balance)	3.000 ft³
	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio35
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate 0.5000 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	103.40 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Output Increment	0.050

Time to Peak		Forward Flow Peaks		Reverse Flow Peaks	
(hours)	Time to Peak (hours)	Flow (Peak) (ft³/s)	Elevation (ft)	Volume (ft³)	Flow (Peak) (ft³/s)
Pond Inflow....	12.700	4.62	0.000	0.000	0.00
Infiltration...	14.050	0.00	0.000	0.000	0.00
Pond Outflow...	14.050	2.60	0.000	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	80,537.000	Forward	0.000
Infiltration...	0.000	Reverse	9,143.000
Pond Outflow...	0.000	Reverse	70,048.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	80,537.000 ft³
Volume (Total Out ICPM)	79,191.000 ft³
Volume (Ending)	1,341.000 ft³
Elevation (Ending)	103.71 ft
Difference	5.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio35 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
103.40	3,920.4	0.00
103.65	4,272.8	0.05
103.90	4,640.3	0.05
104.15	4,917.6	0.06
104.40	5,131.4	0.06
104.65	5,349.6	0.06
104.90	5,572.4	0.06
105.15	5,850.2	0.07
105.40	6,169.3	0.07
105.65	6,496.8	0.08
105.75	6,630.2	0.08
105.90	6,832.8	0.08
106.15	7,158.5	0.08
106.40	7,478.9	0.09
106.65	7,806.3	0.09
106.90	8,140.7	0.09
107.15	8,466.3	0.10
107.40	8,787.6	0.10
107.65	9,114.9	0.11
107.90	9,448.2	0.11
108.00	9,583.2	0.11

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio35
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration			
Infiltration Method (Computed)		Average Infiltration Rate	
Infiltration Rate (Average)		0.5000 in/h	
Initial Conditions			
Elevation (Starting Water Surface Computed)	103.40	ft	0.000
Volume (Starting)	0.000	ft ³	35
Infiltration (Starting ICPM)	0.00	ft ³ /s	0.050
Outflow (Starting)	0.00	ft ³ /s	0.050
Calculation Tolerances			
		Flow Tolerance (Minimum)	0.000
		Maximum Iterations	35
		ICPM Time Step	0.050
		Output Increment	0.050

Time to Peak		Maximum Storage	
Peak (hours)	Elevation (ft)	Volume (ft³)	
12.500	107.32	24,587.000	
Calculation Tolerances			
Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.350	24.47	0.000
Infiltration...	12.500	0.00	0.000
Pond Outflow...	12.500	19.79	0.000
Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	202,917.000	Forward	0.000
Infiltration...	0.000	Reverse	10,026.000
Pond Outflow...	0.000	Reverse	191,293.000
Mass Balance (ft³)			
Volume (Initial ICPM)		0.000	ft³
Volume (Total In ICPM)		202,917.000	ft³
Volume (Total Out ICPM)		201,319.000	ft³
Volume (Ending)		1,593.000	ft³
Elevation (Ending)		103.77	ft
Difference		5.000	ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0	%

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio36
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)		No Infiltration
Initial Conditions		
Elevation (Water Surface, Initial)	98.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS + O (ft³/s)
98.00	0.00	0.000	0.017	0.00	0.00	0.00
98.25	0.00	196.301	0.019	0.00	0.00	2.18
98.50	0.00	415.808	0.021	0.00	0.00	4.62
98.75	0.00	659.817	0.024	0.00	0.00	7.33
99.00	0.38	929.626	0.026	0.00	0.38	10.70
99.25	1.06	1,224.259	0.028	0.00	1.06	14.66
99.50	1.95	1,542.467	0.030	0.00	1.95	19.09
99.75	3.00	1,885.217	0.033	0.00	3.00	23.95
100.00	4.19	2,253.359	0.035	0.00	4.19	29.23
100.25	5.51	2,648.631	0.038	0.00	5.51	34.94
100.50	6.95	3,072.830	0.040	0.00	6.95	41.09
100.75	8.49	3,526.976	0.043	0.00	8.49	47.67
101.00	10.13	4,012.091	0.046	0.00	10.13	54.70
101.25	11.86	4,532.251	0.050	0.00	11.86	62.22
101.50	13.68	5,091.810	0.053	0.00	13.68	70.26
101.75	15.59	5,692.207	0.057	0.00	15.59	78.84
102.00	17.58	6,334.880	0.061	0.00	17.58	87.96

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio36 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.24 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.32 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	99.59 ft
Volume (Peak)	1,661.386 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,947,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	9,287,000 ft³
Volume (Retained)	660,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio36 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.15 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	4.66 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	100.09 ft
Volume (Peak)	2,390.349 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	18,669,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	18,009,000 ft³
Volume (Retained)	660,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio36 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	13.34 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	10.43 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	101.04 ft
Volume (Peak)	4,101.258 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	40,885.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	40,225.000 ft³
Volume (Retained)	660.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio36 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio36'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA36 Perv
<Catchment to Outflow Node>	DA36 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA36 Perv	3,159.846	12.100	1.16
Flow (From)	DA36 Imp	6,787.136	12.100	2.08
Flow (In)	Bio36	9,946.982	12.100	3.24

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio36 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio36'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA36 Perv	
<Catchment to Outflow Node>		DA36 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA36 Perv	7,648.815	12.100	2.85
Flow (From)	DA36 Imp	11,020.098	12.100	3.31
Flow (In)	Bio36	18,668.914	12.100	6.15

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio36 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio36'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA36 Perv	
<Catchment to Outflow Node>		DA36 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA36 Perv	20,094.393	12.100	7.20
Flow (From)	DA36 Imp	20,790.455	12.100	6.14
Flow (In)	Bio36	40,884.848	12.100	13.34

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio45
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	96.50 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
	hours

Pond Inflow.... Pond Outflow....	Maximum Storage	
	Time to Peak (hours)	Elevation (ft)
	13.500	98.76
	Volume (ft³)	
	31,581,000	
	Forward Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft³/s)
	12.100	13.54
	13.500	3.29
	Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	
0.00	0.00	
0.00	0.00	

Pond Inflow....		Time to Peak (hours)	
12.100		13.54	
Pond Outflow...		Flow (Peak) (ft ³ /s)	
13.500		3.29	
Reverse		Flow (Peak) (ft ³ /s)	
0.000		0.000	
Total Volume In		Time to Peak (hours)	
Volume (ft ³)		Flow (Peak) (ft ³ /s)	
96,423,000		13.54	
Forward		Flow (Peak) (ft ³ /s)	
0.000		0.000	
Reverse		Flow (Peak) (ft ³ /s)	
88,444,000		0.000	
Total Volume Out		Time to Peak (hours)	
Volume (ft ³)		Flow (Peak) (ft ³ /s)	
96,423,000		13.54	
Forward		Flow (Peak) (ft ³ /s)	
0.000		0.000	
Reverse		Flow (Peak) (ft ³ /s)	
88,444,000		0.000	
Mass Balance (ft ³)		Time to Peak (hours)	
Volume (Initial ICPM)		Flow (Peak) (ft ³ /s)	
0.000 ft ³		13.54	
Volume (Total In ICPM)		Flow (Peak) (ft ³ /s)	
96,423,000 ft ³		13.54	
Volume (Total Out ICPM)		Flow (Peak) (ft ³ /s)	
88,444,000 ft ³		13.54	
Volume (Ending)		Flow (Peak) (ft ³ /s)	
7,978,000 ft ³		13.54	
Elevation (Ending)		Flow (Peak) (ft ³ /s)	
97.12 ft		13.54	
Difference		Flow (Peak) (ft ³ /s)	
1.000 ft ³		13.54	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		Flow (Peak) (ft ³ /s)	
0.0 %		13.54	

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio45
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	96.50 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
	hours

Pond Inflow.... Pond Outflow....	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak	Flow (Peak)	Time to Peak	Flow (Peak)
	(hours)	(ft³/s)	(hours)	(ft³/s)
	12.100	26.91	0.000	0.00
	12.450	14.27	0.000	0.00
	Maximum Storage			
	Time to Peak	Elevation	Volume	
	(hours)	(ft)	(ft³)	
	12.450	99.38	41,744,000	

Pond Inflow....		Time to Peak (hours)	
12.100		26.91	
Pond Outflow...		Flow (Peak) (ft ³ /s)	
12.450		14.27	
Reverse		Flow (Peak) (ft ³ /s)	
0.000		0.000	
Total Volume In		Time to Peak (hours)	
Volume (ft ³)		Flow (Peak) (ft ³ /s)	
193,288,000		26.91	
Forward		Flow (Peak) (ft ³ /s)	
0.000		0.000	
Reverse		Flow (Peak) (ft ³ /s)	
185,207,000		0.000	
Total Volume Out		Time to Peak (hours)	
Volume (ft ³)		Flow (Peak) (ft ³ /s)	
193,288,000		26.91	
Forward		Flow (Peak) (ft ³ /s)	
0.000		0.000	
Reverse		Flow (Peak) (ft ³ /s)	
185,207,000		0.000	
Mass Balance (ft ³)		Time to Peak (hours)	
Volume (Initial ICPM)		Flow (Peak) (ft ³ /s)	
0.000 ft ³		26.91	
Volume (Total In ICPM)		Flow (Peak) (ft ³ /s)	
193,288,000 ft ³		26.91	
Volume (Total Out ICPM)		Flow (Peak) (ft ³ /s)	
185,207,000 ft ³		26.91	
Volume (Ending)		Flow (Peak) (ft ³ /s)	
8,080,000 ft ³		26.91	
Elevation (Ending)		Flow (Peak) (ft ³ /s)	
97.13 ft		26.91	
Difference		Flow (Peak) (ft ³ /s)	
2.000 ft ³		26.91	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		Flow (Peak) (ft ³ /s)	
0.0 %		26.91	

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio45
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration					
Infiltration Method (Computed)		No Infiltration			
Initial Conditions		Calculation Tolerances			
Elevation (Starting Water Surface Computed)	96.50	ft	Flow Tolerance (Minimum)		0.000
Volume (Starting)	0.000	ft³	Maximum Iterations		35
Outflow (Starting)	0.00	ft³/s	ICPM Time Step		0.050
			Maximum Storage Volume (ft³)		hours
	Time to Peak (hours)	Elevation (ft)	100.44	60,408.000	
	12.250				
		Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)	
Pond Inflow....	12.100	65.26	0.000	0.00	
Pond Outflow....	12.250	48.62	0.000	0.00	
		Total Volume In		Total Volume Out	
	Volume (ft³)	Direction	Volume (ft³)	Direction	
Pond Inflow....	426,794,000	Forward	0.000	Reverse	
Pond Outflow....	0.000	Reverse	418,624,000	Forward	
Mass Balance (ft³)					
Volume (Initial ICPM)	0.000		ft³		
Volume (Total In ICPM)	426,794,000		ft³		
Volume (Total Out ICPM)	418,624,000		ft³		
Volume (Ending)	8,168,000		ft³		
Elevation (Ending)	97.14		ft		
Difference	2.000		ft³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0		%		

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio51
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration						
Infiltration Method (Computed)		Average Infiltration Rate				
Infiltration Rate (Average)		0.8000 in/h				
Initial Conditions						
Elevation (Water Surface, Initial)		102.00 ft				
Volume (Initial)		0.000 ft³				
Flow (Initial Outlet)		0.00 ft³/s				
Flow (Initial Infiltration)		0.00 ft³/s				
Flow (Initial, Total)		0.00 ft³/s				
Time Increment		0.050 hours				
Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
102.00	0.00	0.000	0.060	0.00	0.00	0.00
102.25	0.00	678.996	0.065	0.05	0.05	7.60
102.50	0.00	1,410.488	0.070	0.06	0.06	15.73
102.75	0.00	2,196.429	0.075	0.06	0.06	24.47
103.00	0.00	3,038.775	0.080	0.06	0.06	33.83
103.25	0.56	3,928.393	0.083	0.07	0.63	44.28
103.50	1.59	4,855.357	0.087	0.07	1.66	55.61
103.75	2.92	5,820.437	0.090	0.07	3.00	67.67
104.00	4.50	6,824.400	0.094	0.08	4.58	80.40
104.25	6.29	7,869.127	0.098	0.08	6.37	93.80
104.50	8.27	8,956.558	0.102	0.08	8.35	107.87
104.75	10.42	10,087.550	0.106	0.09	10.50	122.59
105.00	12.73	11,262.957	0.110	0.09	12.82	137.96
105.25	15.19	12,499.645	0.117	0.09	15.28	154.17
105.50	17.79	13,815.549	0.125	0.10	17.89	171.39
105.75	20.52	15,213.129	0.132	0.11	20.63	189.66
106.00	23.38	16,694.842	0.140	0.11	23.50	208.99
106.25	26.37	18,246.354	0.145	0.12	26.48	229.22
106.50	29.47	19,852.316	0.150	0.12	29.59	250.17

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio51 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
102.00	2,613.6	0.00
102.25	2,819.7	0.05
102.50	3,033.6	0.06
102.75	3,255.3	0.06
103.00	3,484.8	0.06
103.25	3,632.7	0.07
103.50	3,783.6	0.07
103.75	3,937.6	0.07
104.00	4,094.6	0.08
104.25	4,263.7	0.08
104.50	4,436.3	0.08
104.75	4,612.2	0.09
105.00	4,791.6	0.09
105.25	5,103.5	0.09
105.50	5,425.3	0.10
105.75	5,756.9	0.11
106.00	6,098.4	0.11
106.25	6,314.3	0.12
106.50	6,534.0	0.12

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio51 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.89000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	102.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.08 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.07 ft³/s	Time to Peak (Infiltration)	12.350 hours
Flow (Peak Outlet)	0.82 ft³/s	Time to Peak (Flow, Outlet)	12.350 hours

Elevation (Water Surface, Peak)	103.31 ft
Volume (Peak)	4,160.386 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	11,094.000 ft³
Volume (Total Infiltration)	6,729.000 ft³
Volume (Total Outlet Outflow)	4,347.000 ft³
Volume (Retained)	17.000 ft³
Volume (Unrouted)	-1.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio51 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.8000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	102.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	6.02 ft³/s
Infiltration (Peak)	0.07 ft³/s
Flow (Peak Outlet)	3.40 ft³/s
Time to Peak (Flow, In)	
Time to Peak (Infiltration)	
Time to Peak (Flow, Outlet)	
12.100 hours	
12.200 hours	
12.200 hours	
Elevation (Water Surface, Peak)	
103.83 ft	
Volume (Peak)	6,118.835 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	21,323.000 ft³
Volume (Total Infiltration)	7,340.000 ft³
Volume (Total Outlet Outflow)	13,962.000 ft³
Volume (Retained)	21.000 ft³
Volume (Unrouted)	-1.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio51 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
102.00	2,613.6	0.00
102.25	2,819.7	0.05
102.50	3,033.6	0.06
102.75	3,255.3	0.06
103.00	3,484.8	0.06
103.25	3,632.7	0.07
103.50	3,783.6	0.07
103.75	3,937.6	0.07
104.00	4,094.6	0.08
104.25	4,263.7	0.08
104.50	4,436.3	0.08
104.75	4,612.2	0.09
105.00	4,791.6	0.09
105.25	5,103.5	0.09
105.50	5,425.3	0.10
105.75	5,756.9	0.11
106.00	6,098.4	0.11
106.25	6,314.3	0.12
106.50	6,534.0	0.12

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio51 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.8000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	102.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	13.64 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.08 ft³/s	Time to Peak (Infiltration)	12.200 hours
Flow (Peak Outlet)	9.03 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	
104.59 ft	
Volume (Peak)	
9.352,485 ft³	
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	48,364,000 ft³
Volume (Total Infiltration)	8,034,000 ft³
Volume (Total Outlet Outflow)	40,307,000 ft³
Volume (Retained)	22,000 ft³
Volume (Unrouted)	-1,000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio51 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio51'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA51 Perv	
<Catchment to Outflow Node>		DA51 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA51 Perv	2,978,785	12.150	0.77
Flow (From)	DA51 Imp	8,115,329	12.100	2.45
Flow (In)	Bio51	11,094,114	12.100	3.08

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio51 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio51'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA51 Perv	
<Catchment to Outflow Node>		DA51 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA51 Perv	8,145.873	12.150	2.37
Flow (From)	DA51 Imp	13,177.507	12.100	3.91
Flow (In)	Bio51	21,323.380	12.100	6.02

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio51 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio51'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA51 Perv	
<Catchment to Outflow Node>		DA51 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA51 Perv	23,502.676	12.150	6.90
Flow (From)	DA51 Imp	24,861.445	12.100	7.25
Flow (In)	Bio51	48,364.122	12.100	13.64

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: Bio52 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	100.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
100.10	0.00	0.000	0.029	0.00	0.00	0.00
100.35	0.00	331.360	0.032	0.02	0.02	3.70
100.60	0.00	694.809	0.035	0.02	0.02	7.74
100.62	0.00	725.315	0.035	0.02	0.02	8.08
100.85	0.33	1,091.829	0.038	0.02	0.35	12.48
101.10	1.00	1,524.037	0.041	0.02	1.02	17.95
101.35	1.87	1,994.195	0.045	0.02	1.89	24.05
101.60	2.91	2,504.218	0.049	0.02	2.94	30.76
101.85	4.09	3,055.727	0.053	0.03	4.12	38.07
102.10	5.40	3,649.884	0.056	0.03	5.43	45.98
102.35	6.83	4,283.924	0.060	0.03	6.86	54.46
102.60	8.36	4,958.063	0.064	0.03	8.39	63.48
102.85	9.99	5,673.532	0.068	0.03	10.02	73.06
103.10	11.72	6,431.400	0.072	0.04	11.75	83.21
103.35	13.53	7,231.389	0.075	0.04	13.57	93.92
103.60	15.43	8,074.265	0.079	0.04	15.47	105.19
103.85	17.42	8,961.150	0.083	0.04	17.46	117.03
104.10	19.48	9,894.413	0.088	0.04	19.52	129.46
104.35	21.61	10,887.042	0.094	0.05	21.66	142.63
104.60	23.82	11,943.806	0.100	0.05	23.87	156.58
104.85	26.10	13,066.714	0.106	0.05	26.15	171.34
105.00	27.50	13,773.042	0.110	0.06	27.56	180.59

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations Return Event: 2 years
Label: Bio52 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
100.10	1,263.2	0.00
100.35	1,388.6	0.02
100.60	1,519.9	0.02
100.62	1,530.7	0.02
100.85	1,657.2	0.02
101.10	1,803.1	0.02
101.35	1,959.3	0.02
101.60	2,122.0	0.02
101.85	2,291.2	0.03
102.10	2,457.6	0.03
102.35	2,615.5	0.03
102.60	2,778.4	0.03
102.85	2,946.2	0.03
103.10	3,115.7	0.04
103.35	3,285.0	0.04
103.60	3,458.8	0.04
103.85	3,637.0	0.04
104.10	3,844.9	0.04
104.35	4,097.4	0.05
104.60	4,358.0	0.05
104.85	4,626.6	0.05
105.00	4,791.6	0.06

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio52 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
100.10 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.82 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.02 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	1.08 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)		101.12 ft
Volume (Peak)		1,565,232 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		6,108,000 ft³
Volume (Total Infiltration)		1,847,000 ft³
Volume (Total Outlet Outflow)		4,245,000 ft³
Volume (Retained)		15,000 ft³
Volume (Unrouted)		-1,000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio52 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)		
100.10 ft		
Volume (Initial)		
0.000 ft³		
Flow (Initial Outlet)		
0.00 ft³/s		
Flow (Initial Infiltration)		
0.00 ft³/s		
Flow (Initial, Total)		
0.00 ft³/s		
Time Increment		
0.050 hours		

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.37 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.02 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	2.19 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)		101.43 ft
Volume (Peak)		2,143,992 ft³
Mass Balance (ft³)		
Volume (Initial)		0.000 ft³
Volume (Total Inflow)		11,280,000 ft³
Volume (Total Infiltration)		2,003,000 ft³
Volume (Total Outlet Outflow)		9,261,000 ft³
Volume (Retained)		16,000 ft³
Volume (Unrouted)		-1,000 ft³
Error (Mass Balance)		0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Bio52 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
100.10	1,263.2	0.00
100.35	1,388.6	0.02
100.60	1,519.9	0.02
100.62	1,530.7	0.02
100.85	1,657.2	0.02
101.10	1,803.1	0.02
101.35	1,959.3	0.02
101.60	2,122.0	0.02
101.85	2,291.2	0.03
102.10	2,457.6	0.03
102.35	2,615.5	0.03
102.60	2,778.4	0.03
102.85	2,946.2	0.03
103.10	3,115.7	0.04
103.35	3,285.0	0.04
103.60	3,458.8	0.04
103.85	3,637.0	0.04
104.10	3,844.9	0.04
104.35	4,097.4	0.05
104.60	4,358.0	0.05
104.85	4,626.6	0.05
105.00	4,791.6	0.06

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio52 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.5900 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	100.10 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	7.29 ft³/s	T
Infiltration (Peak)	0.03 ft³/s	T
Flow (Peak Outlet)	5.03 ft³/s	T
Elevation (Water Surface, Peak)	102.03 ft	
Volume (Peak)	3,476.222 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	24,590.000 ft³	
Volume (Total Infiltration)	2,183.000 ft³	
Volume (Total Outlet Outflow)	22,390.000 ft³	
Volume (Retained)	16.000 ft³	
Volume (Unrouted)	-1,000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio52 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio52'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA52 Perv	
<Catchment to Outflow Node>		DA52 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA52 Perv	1,078,923	12.150	0.28
Flow (From)	DA52 Imp	5,029,283	12.100	1.57
Flow (In)	Bio52	6,108,206	12.100	1.82

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio52 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio52'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA52 Perv	
<Catchment to Outflow Node>		DA52 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA52 Perv	3,020,228	12.150	0.88
Flow (From)	DA52 Imp	8,259,745	12.100	2.52
Flow (In)	Bio52	11,279,973	12.100	3.37

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio52 (In)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio52'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA52 Perv	
<Catchment to Outflow Node>		DA52 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA52 Perv	8,864,620	12.150	2.61
Flow (From)	DA52 Imp	15,725,576	12.100	4.69
Flow (In)	Bio52	24,590,196	12.100	7.29

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Bio53
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
104.50	0.00	0.000	0.014	0.00	0.00	0.00
104.75	0.00	181.786	0.020	0.00	0.00	2.02
105.00	0.00	428.912	0.026	0.00	0.00	4.77
105.25	0.00	729.406	0.029	0.00	0.00	8.10
105.45	0.00	995.673	0.032	0.00	0.00	11.06
105.50	0.03	1,065.970	0.033	0.00	0.03	11.88
105.75	0.49	1,440.649	0.036	0.00	0.49	16.50
106.00	1.22	1,855.488	0.040	0.00	1.22	21.84
106.25	2.15	2,316.021	0.045	0.00	2.15	27.88
106.50	3.23	2,828.254	0.049	0.00	3.23	34.65
106.75	4.45	3,394.937	0.055	0.00	4.45	42.17
107.00	5.79	4,018.820	0.060	0.00	5.79	50.44
107.25	7.24	4,691.690	0.064	0.00	7.24	59.37
107.50	8.81	5,404.260	0.067	0.00	8.81	68.85
107.75	10.46	6,157.668	0.071	0.00	10.46	78.88
108.00	12.22	6,953.051	0.075	0.00	12.22	89.47
108.25	14.06	7,786.908	0.078	0.00	14.06	100.58
108.50	15.98	8,655.451	0.081	0.00	15.98	112.15
108.75	17.98	9,559.387	0.085	0.00	17.98	124.20
109.00	20.07	10,499.421	0.088	0.00	20.07	136.73

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio53 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.51 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.91 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	105.89 ft
Volume (Peak)	1,672.475 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	5,021.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	4,026.000 ft³
Volume (Retained)	996.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio53 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.87 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.89 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	106.18 ft
Volume (Peak)	2,183.825 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	9,506.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	8,511.000 ft³
Volume (Retained)	996.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Bio53 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.33 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	4.38 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	106.74 ft
Volume (Peak)	3,362.983 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	21,170.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	20,175.000 ft³
Volume (Retained)	996.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio53 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio53'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA53 Perv
<Catchment to Outflow Node>	DA53 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA53 Perv	1,023.621	12.150	0.27
Flow (From)	DA53 Imp	3,997.620	12.100	1.27
Flow (In)	Bio53	5,021.241	12.100	1.51

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio53 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio53'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA53 Perv	
<Catchment to Outflow Node>		DA53 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA53 Perv	2,865.376	12.150	0.84
Flow (From)	DA53 Imp	6,640.893	12.100	2.05
Flow (In)	Bio53	9,506.269	12.100	2.87

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Bio53 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Bio53'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA53 Perv	
<Catchment to Outflow Node>		DA53 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA53 Perv	8,410.091	12.100	2.49
Flow (From)	DA53 Imp	12,760.257	12.100	3.84
Flow (In)	Bio53	21,170.348	12.100	6.33

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio58
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	106.40 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.550		108.12		13,354.000	
Forward Flow Peaks		Reverse Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)		
Pond Inflow....	12.100	7.68	0.000	0.00	0.00
Pond Outflow...	12.550	1.43	0.000	0.00	0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	27,092.000	Forward	0.000
Pond Outflow....	0.000	Reverse	21,677.000
Mass Balance (ft³)			
Volume (Initial ICPM)		0.000 ft³	
Volume (Total In ICPM)		27,092.000 ft³	
Volume (Total Out ICPM)		21,677.000 ft³	
Volume (Ending)		5,415.000 ft³	
Elevation (Ending)		107.15 ft	
Difference		0.000 ft³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %	

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio58
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	106.40 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.400		108.91		20,969.000	
Forward Flow Peaks		Reverse Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)		
Pond Inflow....	12.100	13.72	0.000	0.00	0.00
Pond Outflow...	12.400	3.81	0.000	0.00	0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	49,553.000	Forward	0.000
Pond Outflow....	0.000	Reverse	44,132.000
Mass Balance (ft³)			
Volume (Initial ICPM)		0.000 ft³	
Volume (Total In ICPM)		49,553.000 ft³	
Volume (Total Out ICPM)		44,132.000 ft³	
Volume (Ending)		5,420.000 ft³	
Elevation (Ending)		107.15 ft	
Difference		0.000 ft³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %	

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Bio58
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration					
Infiltration Method (Computed)		No Infiltration			
Initial Conditions					
Elevation (Starting Water Surface Computed)		106.40	ft	Flow Tolerance (Minimum)	0.000
Volume (Starting)		0.000	ft ³	Maximum Iterations	35
Outflow (Starting)		0.00	ft ³ /s	ICPM Time Step	0.050
				hours	

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.250		109.98		32,679,000	

Time to Peak (hours)		Forward Flow Peaks Flow (Peak) (ft ³ /s)		Reverse Flow Peaks Time to Peak (hours)		Flow (Peak) (ft ³ /s)	
Pond Inflow....		12.100		28.40		0.000	
Pond Outflow...		12.250		13.28		0.000	

Volume (ft ³)		Total Volume In Direction		Total Volume Out Direction	
105,572,000		Forward		0.000	
Pond Inflow....		Reverse		Reverse	
Pond Outflow...		0.000		Forward	

Mass Balance (ft ³)		Volume (Initial ICPM)		0.000 ft ³	
Volume (Total In ICPM)		105,572,000 ft ³			
Volume (Total Out ICPM)		100,145,000 ft ³			
Volume (Ending)		5,427,000 ft ³			
Elevation (Ending)		107.15 ft			
Difference		0.000 ft ³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %			

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: EX BASIN 6
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	89.00 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ft ³)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	Z5/(+ O) (ft ³ /s)
89.00	0.00	0.000	1.300	0.00	0.00	0.00
89.25	0.00	14,319,122	1.330	0.00	0.00	159.10
89.50	0.00	28,964,943	1.360	0.00	0.00	321.83
89.75	0.00	43,937,518	1.390	0.00	0.00	488.19
90.00	0.00	59,236,793	1.420	0.00	0.00	658.19
90.25	0.08	74,889,639	1.455	0.00	0.08	832.19
90.50	0.14	90,923,636	1.490	0.00	0.14	1,010.41
90.75	0.19	107,312,011	1.520	0.00	0.19	1,192.54
91.00	0.22	124,027,087	1.550	0.00	0.22	1,378.30
91.25	0.25	141,100,242	1.586	0.00	0.25	1,568.03
91.35	0.26	148,038,528	1.600	0.00	0.26	1,645.13
91.50	0.74	158,558,201	1.620	0.00	0.74	1,762.50
91.75	2.33	176,362,360	1.650	0.00	2.33	1,961.91
92.00	4.52	194,493,220	1.680	0.00	4.52	2,165.55
92.25	7.17	212,977,699	1.715	0.00	7.17	2,373.59
92.50	10.23	231,843,327	1.750	0.00	10.23	2,586.27
92.75	13.63	251,090,157	1.785	0.00	13.63	2,803.53
93.00	17.36	270,718,136	1.820	0.00	17.36	3,025.34
93.25	21.37	290,727,312	1.855	0.00	21.37	3,251.67
93.50	25.65	311,117,638	1.890	0.00	25.65	3,482.52
93.75	30.19	331,916,034	1.930	0.00	30.19	3,718.15
94.00	34.98	353,150,029	1.970	0.00	34.98	3,958.87
94.25	39.99	374,792,795	2.005	0.00	39.99	4,204.35
94.50	45.22	396,816,711	2.040	0.00	45.22	4,454.29
94.75	50.66	419,221,814	2.075	0.00	50.66	4,708.68
95.00	56.31	442,008,068	2.110	0.00	56.31	4,967.51

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: EX. BASIN 6 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	89.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	38.18 ft³/s	Time to Peak (Flow, In)	12.200 hours
Flow (Peak Outlet)	0.97 ft³/s	Time to Peak (Flow, Outlet)	20.400 hours

Elevation (Water Surface, Peak)	91.54 ft
Volume (Peak)	161,152.224 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	190,462.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	57,548.000 ft³
Volume (Retained)	132,823.000 ft³
Volume (Unrouted)	-91.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: EX. BASIN 6 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	89.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	66.19 ft³/s	Time to Peak (Flow, In)	12.200 hours
Flow (Peak Outlet)	7.19 ft³/s	Time to Peak (Flow, Outlet)	13.600 hours

Elevation (Water Surface, Peak)	92.25 ft
Volume (Peak)	213,062.320 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	344,019.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	208,439.000 ft³
Volume (Retained)	135,494.000 ft³
Volume (Unrouted)	-86.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: EX. BASIN 6 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	89.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	141.36 ft³/s	Time to Peak (Flow, In)	12.200 hours
Flow (Peak Outlet)	37.71 ft³/s	Time to Peak (Flow, Outlet)	12.750 hours

Elevation (Water Surface, Peak)	94.14 ft
Volume (Peak)	364,922.149 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	740,982.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	603,817.000 ft³
Volume (Retained)	137,086.000 ft³
Volume (Unrouted)	-79.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: EX. BASIN 6 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'EX. BASIN 6'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	PDA-6 Imp (Plainsboro)
Out17	UGB17
Out25	Bk25
<Catchment to Outflow Node>	Future Imp Road-Basin 6 (S Brunswick)
<Catchment to Outflow Node>	PDA-6 PER (Plainsboro)
<Catchment to Outflow Node>	Ex DA-6 Perv (S Brunswick)

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA-6 Imp (Plainsboro)	169,773.789	12.200	35.11
Flow (From)	Out17	3,621.538	14.750	0.13
Flow (From)	Out25	0.000	0.000	0.00
Flow (From)	Future Imp Road-Basin 6 (S Brunswick)	3,991.888	12.100	1.22
Flow (From)	PDA-6 PER (Plainsboro)	4,882.346	12.200	1.05
Flow (From)	Ex DA-6 Perv (S Brunswick)	8,192.351	12.200	1.59
Flow (In)	EX. BASIN 6	190,461.912	12.200	38.18

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: EX. BASIN 6 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'EX. BASIN 6'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA-6 Imp (Plainsboro)	
Out17		UGB17	
Out25		Bkx25	
<Catchment to Outflow Node>		Future Imp Road-Basin 6 (S Brunswick)	
<Catchment to Outflow Node>		PDA-6 PER (Plainsboro)	
<Catchment to Outflow Node>		Ex DA-6 Perv (S Brunswick)	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	PDA-6 Imp (Plainsboro)	275,672.122	12.200	56.03
Flow (From)	Out17	11,240.429	12.600	0.74
Flow (From)	Out25	13,559.471	14.650	0.47
Flow (From)	Future Imp Road-Basin 6 (S Brunswick)	6,481.615	12.100	1.95
Flow (From)	PDA-6 PER (Plainsboro)	12,278.019	12.200	2.90
Flow (From)	Ex DA-6 Perv (S Brunswick)	24,787.316	12.150	6.24
Flow (In)	EX. BASIN 6	344,018.972	12.200	66.19

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: EX. BASIN 6 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'EX. BASIN 6'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA-6 Imp (Plainsboro)	
Out17		UGB17	
Out25		Bkx25	
<Catchment to Outflow Node>		Future Imp Road-Basin 6 (S Brunswick)	
<Catchment to Outflow Node>		PDA-6 PER (Plainsboro)	
<Catchment to Outflow Node>		Ex DA-6 Perv (S Brunswick)	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	PDA-6 Imp (Plainsboro)	520,096.237	12.200	104.11
Flow (From)	Out17	29,294.368	12.250	3.43
Flow (From)	Out25	69,262.536	12.450	6.69
Flow (From)	Future Imp Road-Basin 6 (S Brunswick)	12,228.272	12.100	3.61
Flow (From)	PDA-6 PER (Plainsboro)	33,241.459	12.200	7.91
Flow (From)	Ex DA-6 Perv (S Brunswick)	76,859.145	12.150	20.62
Flow (In)	EX. BASIN 6	740,982.017	12.200	141.36

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
91.40	19,602.0	0.00
91.41	19,769.7	0.46
91.42	19,938.1	0.46
91.43	20,107.2	0.47
91.44	20,277.0	0.47
91.45	20,447.6	0.47
91.46	20,618.9	0.48
91.47	20,790.8	0.48
91.48	20,963.5	0.49
91.49	21,136.9	0.49
91.50	21,311.0	0.49
91.51	21,485.9	0.50
91.52	21,661.4	0.50
91.53	21,837.7	0.51
91.54	22,014.7	0.51
91.55	22,192.3	0.51
91.56	22,370.8	0.52
91.57	22,549.9	0.52
91.58	22,729.7	0.53
91.59	22,910.2	0.53
91.60	23,091.5	0.53
91.61	23,273.5	0.54
91.62	23,456.2	0.54
91.63	23,639.6	0.55
91.64	23,823.7	0.55
91.65	24,008.5	0.56
91.66	24,194.1	0.56
91.67	24,380.3	0.56
91.68	24,567.3	0.57
91.69	24,755.0	0.57
91.70	24,943.4	0.58
91.71	25,132.5	0.58
91.72	25,322.3	0.59
91.73	25,512.9	0.59
91.74	25,704.2	0.60
91.75	25,896.1	0.60
91.76	26,088.8	0.60
91.77	26,282.2	0.61
91.78	26,476.3	0.61
91.79	26,671.2	0.62
91.80	26,866.7	0.62
91.81	27,063.0	0.63

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
91.82	27,259.9	0.63
91.83	27,457.6	0.64
91.84	27,656.0	0.64
91.85	27,855.1	0.64
91.86	28,055.0	0.65
91.87	28,255.5	0.65
91.88	28,456.8	0.66
91.89	28,658.8	0.66
91.90	28,861.4	0.67
91.91	29,064.8	0.67
91.92	29,269.0	0.68
91.93	29,473.8	0.68
91.94	29,679.3	0.69
91.95	29,885.6	0.69
91.96	30,092.6	0.70
91.97	30,300.3	0.70
91.98	30,508.7	0.71
91.99	30,717.8	0.71
92.00	30,927.6	0.72
92.01	30,949.0	0.72
92.02	30,970.4	0.72
92.03	30,991.9	0.72
92.04	31,013.3	0.72
92.05	31,034.7	0.72
92.06	31,056.2	0.72
92.07	31,077.6	0.72
92.08	31,099.1	0.72
92.09	31,120.6	0.72
92.10	31,142.1	0.72
92.11	31,163.6	0.72
92.12	31,185.0	0.72
92.13	31,206.5	0.72
92.14	31,228.1	0.72
92.15	31,249.6	0.72
92.16	31,271.1	0.72
92.17	31,292.6	0.72
92.18	31,314.2	0.72
92.19	31,335.7	0.73
92.20	31,357.3	0.73
92.21	31,378.8	0.73
92.22	31,400.4	0.73
92.23	31,422.0	0.73

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
92.24	31,443.6	0.73
92.25	31,465.2	0.73
92.26	31,486.8	0.73
92.27	31,508.4	0.73
92.28	31,530.0	0.73
92.29	31,551.6	0.73
92.30	31,573.2	0.73
92.31	31,594.9	0.73
92.32	31,616.5	0.73
92.33	31,638.1	0.73
92.34	31,659.8	0.73
92.35	31,681.5	0.73
92.36	31,703.1	0.73
92.37	31,724.8	0.73
92.38	31,746.5	0.73
92.39	31,768.2	0.74
92.40	31,789.9	0.74
92.41	31,811.6	0.74
92.42	31,833.3	0.74
92.43	31,855.1	0.74
92.44	31,876.8	0.74
92.45	31,898.5	0.74
92.46	31,920.3	0.74
92.47	31,942.0	0.74
92.48	31,963.8	0.74
92.49	31,985.6	0.74
92.50	32,007.3	0.74
92.51	32,029.1	0.74
92.52	32,050.9	0.74
92.53	32,072.7	0.74
92.54	32,094.5	0.74
92.55	32,116.3	0.74
92.56	32,138.2	0.74
92.57	32,160.0	0.74
92.58	32,181.8	0.74
92.59	32,203.7	0.75
92.60	32,225.5	0.75
92.61	32,247.4	0.75
92.62	32,269.2	0.75
92.63	32,291.1	0.75
92.64	32,313.0	0.75
92.65	32,334.9	0.75

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
92.66	32,356.8	0.75
92.67	32,378.7	0.75
92.68	32,400.6	0.75
92.69	32,422.5	0.75
92.70	32,444.4	0.75
92.71	32,466.4	0.75
92.72	32,488.3	0.75
92.73	32,510.2	0.75
92.74	32,532.2	0.75
92.75	32,554.2	0.75
92.76	32,576.1	0.75
92.77	32,598.1	0.75
92.78	32,620.1	0.76
92.79	32,642.1	0.76
92.80	32,664.1	0.76
92.81	32,686.1	0.76
92.82	32,708.1	0.76
92.83	32,730.1	0.76
92.84	32,752.1	0.76
92.85	32,774.2	0.76
92.86	32,796.2	0.76
92.87	32,818.3	0.76
92.88	32,840.3	0.76
92.89	32,862.4	0.76
92.90	32,884.5	0.76
92.91	32,906.5	0.76
92.92	32,928.6	0.76
92.93	32,950.7	0.76
92.94	32,972.8	0.76
92.95	32,994.9	0.76
92.96	33,017.1	0.76
92.97	33,039.2	0.76
92.98	33,061.3	0.77
92.99	33,083.5	0.77
93.00	33,105.6	0.77
93.01	33,127.0	0.77
93.02	33,148.5	0.77
93.03	33,169.9	0.77
93.04	33,191.4	0.77
93.05	33,212.9	0.77
93.06	33,234.3	0.77
93.07	33,255.8	0.77

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
93.08	33,277.3	0.77
93.09	33,298.8	0.77
93.10	33,320.3	0.77
93.11	33,341.8	0.77
93.12	33,363.3	0.77
93.13	33,384.8	0.77
93.14	33,406.3	0.77
93.15	33,427.9	0.77
93.16	33,449.4	0.77
93.17	33,471.0	0.77
93.18	33,492.5	0.78
93.19	33,514.1	0.78
93.20	33,535.6	0.78
93.21	33,557.2	0.78
93.22	33,578.8	0.78
93.23	33,600.4	0.78
93.24	33,622.0	0.78
93.25	33,643.6	0.78
93.26	33,665.2	0.78
93.27	33,686.8	0.78
93.28	33,708.4	0.78
93.29	33,730.1	0.78
93.30	33,751.7	0.78
93.31	33,773.4	0.78
93.32	33,795.0	0.78
93.33	33,816.7	0.78
93.34	33,838.3	0.78
93.35	33,860.0	0.78
93.36	33,881.7	0.78
93.37	33,903.4	0.78
93.38	33,925.1	0.79
93.39	33,946.8	0.79
93.40	33,968.5	0.79
93.41	33,990.2	0.79
93.42	34,011.9	0.79
93.43	34,033.6	0.79
93.44	34,055.4	0.79
93.45	34,077.1	0.79
93.46	34,098.9	0.79
93.47	34,120.6	0.79
93.48	34,142.4	0.79
93.49	34,164.2	0.79

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
93.50	34,185.9	0.79
93.51	34,207.7	0.79
93.52	34,229.5	0.79
93.53	34,251.3	0.79
93.54	34,273.1	0.79
93.55	34,294.9	0.79
93.56	34,316.7	0.79
93.57	34,338.6	0.79
93.58	34,360.4	0.80
93.59	34,382.2	0.80
93.60	34,404.1	0.80
93.61	34,425.9	0.80
93.62	34,447.8	0.80
93.63	34,469.7	0.80
93.64	34,491.5	0.80
93.65	34,513.4	0.80
93.66	34,535.3	0.80
93.67	34,557.2	0.80
93.68	34,579.1	0.80
93.69	34,601.0	0.80
93.70	34,622.9	0.80
93.71	34,644.8	0.80
93.72	34,666.8	0.80
93.73	34,688.7	0.80
93.74	34,710.6	0.80
93.75	34,732.6	0.80
93.76	34,754.6	0.80
93.77	34,776.5	0.81
93.78	34,798.5	0.81
93.79	34,820.5	0.81
93.80	34,842.4	0.81
93.81	34,864.4	0.81
93.82	34,886.4	0.81
93.83	34,908.4	0.81
93.84	34,930.5	0.81
93.85	34,952.5	0.81
93.86	34,974.5	0.81
93.87	34,996.5	0.81
93.88	35,018.6	0.81
93.89	35,040.6	0.81
93.90	35,062.7	0.81
93.91	35,084.7	0.81

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
93.92	35,106.8	0.81
93.93	35,128.9	0.81
93.94	35,151.0	0.81
93.95	35,173.1	0.81
93.96	35,195.1	0.81
93.97	35,217.3	0.82
93.98	35,239.4	0.82
93.99	35,261.5	0.82
94.00	35,283.6	0.82
94.01	35,305.1	0.82
94.02	35,326.5	0.82
94.03	35,348.0	0.82
94.04	35,369.5	0.82
94.05	35,391.0	0.82
94.06	35,412.4	0.82
94.07	35,433.9	0.82
94.08	35,455.4	0.82
94.09	35,476.9	0.82
94.10	35,498.5	0.82
94.11	35,520.0	0.82
94.12	35,541.5	0.82
94.13	35,563.1	0.82
94.14	35,584.6	0.82
94.15	35,606.1	0.82
94.16	35,627.7	0.82
94.17	35,649.3	0.83
94.18	35,670.8	0.83
94.19	35,692.4	0.83
94.20	35,714.0	0.83
94.21	35,735.6	0.83
94.22	35,757.2	0.83
94.23	35,778.8	0.83
94.24	35,800.4	0.83
94.25	35,822.0	0.83
94.26	35,843.6	0.83
94.27	35,865.2	0.83
94.28	35,886.9	0.83
94.29	35,908.5	0.83
94.30	35,930.2	0.83
94.31	35,951.8	0.83
94.32	35,973.5	0.83
94.33	35,995.1	0.83

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.34	36,016.8	0.83
94.35	36,038.5	0.83
94.36	36,060.2	0.83
94.37	36,081.9	0.84
94.38	36,103.6	0.84
94.39	36,125.3	0.84
94.40	36,147.0	0.84
94.41	36,168.7	0.84
94.42	36,190.4	0.84
94.43	36,212.1	0.84
94.44	36,233.9	0.84
94.45	36,255.6	0.84
94.46	36,277.4	0.84
94.47	36,299.1	0.84
94.48	36,320.9	0.84
94.49	36,342.7	0.84
94.50	36,364.4	0.84
94.51	36,386.2	0.84
94.52	36,408.0	0.84
94.53	36,429.8	0.84
94.54	36,451.6	0.84
94.55	36,473.4	0.84
94.56	36,495.2	0.84
94.57	36,517.1	0.85
94.58	36,538.9	0.85
94.59	36,560.7	0.85
94.60	36,582.6	0.85
94.61	36,604.4	0.85
94.62	36,626.3	0.85
94.63	36,648.1	0.85
94.64	36,670.0	0.85
94.65	36,691.9	0.85
94.66	36,713.8	0.85
94.67	36,735.6	0.85
94.68	36,757.5	0.85
94.69	36,779.4	0.85
94.70	36,801.4	0.85
94.71	36,823.3	0.85
94.72	36,845.2	0.85
94.73	36,867.1	0.85
94.74	36,889.0	0.85
94.75	36,911.0	0.85

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.76	36,932.9	0.85
94.77	36,954.9	0.86
94.78	36,976.8	0.86
94.79	36,998.8	0.86
94.80	37,020.8	0.86
94.81	37,042.8	0.86
94.82	37,064.7	0.86
94.83	37,086.7	0.86
94.84	37,108.7	0.86
94.85	37,130.7	0.86
94.86	37,152.8	0.86
94.87	37,174.8	0.86
94.88	37,196.8	0.86
94.89	37,218.8	0.86
94.90	37,240.9	0.86
94.91	37,262.9	0.86
94.92	37,285.0	0.86
94.93	37,307.0	0.86
94.94	37,329.1	0.86
94.95	37,351.2	0.86
94.96	37,373.2	0.87
94.97	37,395.3	0.87
94.98	37,417.4	0.87
94.99	37,439.5	0.87
95.00	37,461.6	0.87
95.01	37,483.1	0.87
95.02	37,504.6	0.87
95.03	37,526.0	0.87
95.04	37,547.5	0.87
95.05	37,569.0	0.87
95.06	37,590.5	0.87
95.07	37,612.1	0.87
95.08	37,633.6	0.87
95.09	37,655.1	0.87
95.10	37,676.6	0.87
95.11	37,698.2	0.87
95.12	37,719.7	0.87
95.13	37,741.3	0.87
95.14	37,762.8	0.87
95.15	37,784.4	0.87
95.16	37,805.9	0.88
95.17	37,827.5	0.88

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
95.18	37,849.1	0.88
95.19	37,870.7	0.88
95.20	37,892.3	0.88
95.21	37,913.9	0.88
95.22	37,935.5	0.88
95.23	37,957.1	0.88
95.24	37,978.7	0.88
95.25	38,000.3	0.88
95.26	38,022.0	0.88
95.27	38,043.6	0.88
95.28	38,065.2	0.88
95.29	38,086.9	0.88
95.30	38,108.5	0.88
95.31	38,130.2	0.88
95.32	38,151.9	0.88
95.33	38,173.5	0.88
95.34	38,195.2	0.88
95.35	38,216.9	0.88
95.36	38,238.6	0.89
95.37	38,260.3	0.89
95.38	38,282.0	0.89
95.39	38,303.7	0.89
95.40	38,325.4	0.89
95.41	38,347.1	0.89
95.42	38,368.9	0.89
95.43	38,390.6	0.89
95.44	38,412.3	0.89
95.45	38,434.1	0.89
95.46	38,455.8	0.89
95.47	38,477.6	0.89
95.48	38,499.4	0.89
95.49	38,521.1	0.89
95.50	38,542.9	0.89
95.51	38,564.7	0.89
95.52	38,586.5	0.89
95.53	38,608.3	0.89
95.54	38,630.1	0.89
95.55	38,651.9	0.89
95.56	38,673.7	0.90
95.57	38,695.5	0.90
95.58	38,717.3	0.90
95.59	38,739.2	0.90

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
95.60	38,761.0	0.90
95.61	38,782.9	0.90
95.62	38,804.7	0.90
95.63	38,826.6	0.90
95.64	38,848.4	0.90
95.65	38,870.3	0.90
95.66	38,892.2	0.90
95.67	38,914.1	0.90
95.68	38,935.9	0.90
95.69	38,957.8	0.90
95.70	38,979.7	0.90
95.71	39,001.6	0.90
95.72	39,023.6	0.90
95.73	39,045.5	0.90
95.74	39,067.4	0.90
95.75	39,089.3	0.90
95.76	39,111.3	0.91
95.77	39,133.2	0.91
95.78	39,155.2	0.91
95.79	39,177.1	0.91
95.80	39,199.1	0.91
95.81	39,221.0	0.91
95.82	39,243.0	0.91
95.83	39,265.0	0.91
95.84	39,287.0	0.91
95.85	39,309.0	0.91
95.86	39,331.0	0.91
95.87	39,353.0	0.91
95.88	39,375.0	0.91
95.89	39,397.0	0.91
95.90	39,419.0	0.91
95.91	39,441.1	0.91
95.92	39,463.1	0.91
95.93	39,485.1	0.91
95.94	39,507.2	0.91
95.95	39,529.2	0.92
95.96	39,551.3	0.92
95.97	39,573.4	0.92
95.98	39,595.4	0.92
95.99	39,617.5	0.92
96.00	39,639.6	0.92
96.01	39,665.5	0.92

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
96.02	39,691.5	0.92
96.03	39,717.4	0.92
96.04	39,743.4	0.92
96.05	39,769.3	0.92
96.06	39,795.3	0.92
96.07	39,821.3	0.92
96.08	39,847.3	0.92
96.09	39,873.3	0.92
96.10	39,899.3	0.92
96.11	39,925.3	0.92
96.12	39,951.3	0.92
96.13	39,977.3	0.93
96.14	40,003.4	0.93
96.15	40,029.4	0.93
96.16	40,055.5	0.93
96.17	40,081.5	0.93
96.18	40,107.6	0.93
96.19	40,133.7	0.93
96.20	40,159.8	0.93
96.21	40,185.9	0.93
96.22	40,212.0	0.93
96.23	40,238.1	0.93
96.24	40,264.2	0.93
96.25	40,290.4	0.93
96.26	40,316.5	0.93
96.27	40,342.6	0.93
96.28	40,368.8	0.93
96.29	40,395.0	0.94
96.30	40,421.1	0.94
96.31	40,447.3	0.94
96.32	40,473.5	0.94
96.33	40,499.7	0.94
96.34	40,525.9	0.94
96.35	40,552.1	0.94
96.36	40,578.4	0.94
96.37	40,604.6	0.94
96.38	40,630.8	0.94
96.39	40,657.1	0.94
96.40	40,683.3	0.94
96.41	40,709.6	0.94
96.42	40,735.9	0.94
96.43	40,762.2	0.94

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
96.44	40,788.5	0.94
96.45	40,814.8	0.94
96.46	40,841.1	0.95
96.47	40,867.4	0.95
96.48	40,893.7	0.95
96.49	40,920.1	0.95
96.50	40,946.4	0.95

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Infil30
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration				
Infiltration Method (Computed)	Average Infiltration Rate			
Infiltration Rate (Average)	1.0000 in/h			
Initial Conditions				
Elevation (Starting Water Surface Computed)	91.40	ft	Flow Tolerance (Minimum)	0.000
Volume (Starting)	0.000	ft ³	Maximum Iterations	35
Infiltration (Starting ICPM)	0.00	ft ³ /s	ICPM Time Step	0.050
Outflow (Starting)	0.00	ft ³ /s	Output Increment	0.050
Calculation Tolerances				
Maximum Storage				
Time to Peak (hours)	13.600	ft	Volume (ft ³)	
	13.600	93.09	49,957.000	

Forward Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.100	20.01	0.000
Infiltration...	13.600	0.00	0.000
Pond Outflow...	13.600	6.10	0.000

Reverse Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	0.000	0.00	0.000
Infiltration...	0.000	0.00	0.000
Pond Outflow...	0.000	0.00	0.000

Total Volume In			
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	Forward	0.000	Reverse
Infiltration...	Reverse	71,787.000	Forward
Pond Outflow...	Reverse	123,546.000	Forward
Mass Balance (ft³)			
Volume (Initial ICPM)		0.000	ft³
Volume (Total In ICPM)		195,339.000	ft³
Volume (Total Out ICPM)		195,333.000	ft³
Volume (Ending)		8.000	ft³
Elevation (Ending)		91.40	ft
Difference		-2.000	ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0	%

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Infil30
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	91.40 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Output Increment	0.050

Time to Peak (hours)	Elevation (ft)	Maximum Storage Volume (ft³)
12.800	94.15	86,815.000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.150	43.30	0.000
Infiltration...	12.800	0.00	0.000
Pond Outflow...	12.800	23.94	0.000

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	384,564.000	Forward	0.000
Infiltration...	0.000	Reverse	81,995.000
Pond Outflow...	0.000	Reverse	302,558.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	384,564.000 ft³
Volume (Total Out ICPM)	384,553.000 ft³
Volume (Ending)	10.000 ft³
Elevation (Ending)	91.40 ft
Difference	1.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
91.40	19,602.0	0.00
91.41	19,769.7	0.46
91.42	19,938.1	0.46
91.43	20,107.2	0.47
91.44	20,277.0	0.47
91.45	20,447.6	0.47
91.46	20,618.9	0.48
91.47	20,790.8	0.48
91.48	20,963.5	0.49
91.49	21,136.9	0.49
91.50	21,311.0	0.49
91.51	21,485.9	0.50
91.52	21,661.4	0.50
91.53	21,837.7	0.51
91.54	22,014.7	0.51
91.55	22,192.3	0.51
91.56	22,370.8	0.52
91.57	22,549.9	0.52
91.58	22,729.7	0.53
91.59	22,910.2	0.53
91.60	23,091.5	0.53
91.61	23,273.5	0.54
91.62	23,456.2	0.54
91.63	23,639.6	0.55
91.64	23,823.7	0.55
91.65	24,008.5	0.56
91.66	24,194.1	0.56
91.67	24,380.3	0.56
91.68	24,567.3	0.57
91.69	24,755.0	0.57
91.70	24,943.4	0.58
91.71	25,132.5	0.58
91.72	25,322.3	0.59
91.73	25,512.9	0.59
91.74	25,704.2	0.60
91.75	25,896.1	0.60
91.76	26,088.8	0.60
91.77	26,282.2	0.61
91.78	26,476.3	0.61
91.79	26,671.2	0.62
91.80	26,866.7	0.62
91.81	27,063.0	0.63

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
91.82	27,259.9	0.63
91.83	27,457.6	0.64
91.84	27,656.0	0.64
91.85	27,855.1	0.64
91.86	28,055.0	0.65
91.87	28,255.5	0.65
91.88	28,456.8	0.66
91.89	28,658.8	0.66
91.90	28,861.4	0.67
91.91	29,064.8	0.67
91.92	29,269.0	0.68
91.93	29,473.8	0.68
91.94	29,679.3	0.69
91.95	29,885.6	0.69
91.96	30,092.6	0.70
91.97	30,300.3	0.70
91.98	30,508.7	0.71
91.99	30,717.8	0.71
92.00	30,927.6	0.72
92.01	30,949.0	0.72
92.02	30,970.4	0.72
92.03	30,991.9	0.72
92.04	31,013.3	0.72
92.05	31,034.7	0.72
92.06	31,056.2	0.72
92.07	31,077.6	0.72
92.08	31,099.1	0.72
92.09	31,120.6	0.72
92.10	31,142.1	0.72
92.11	31,163.6	0.72
92.12	31,185.0	0.72
92.13	31,206.5	0.72
92.14	31,228.1	0.72
92.15	31,249.6	0.72
92.16	31,271.1	0.72
92.17	31,292.6	0.72
92.18	31,314.2	0.72
92.19	31,335.7	0.73
92.20	31,357.3	0.73
92.21	31,378.8	0.73
92.22	31,400.4	0.73
92.23	31,422.0	0.73

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
92.24	31,443.6	0.73
92.25	31,465.2	0.73
92.26	31,486.8	0.73
92.27	31,508.4	0.73
92.28	31,530.0	0.73
92.29	31,551.6	0.73
92.30	31,573.2	0.73
92.31	31,594.9	0.73
92.32	31,616.5	0.73
92.33	31,638.1	0.73
92.34	31,659.8	0.73
92.35	31,681.5	0.73
92.36	31,703.1	0.73
92.37	31,724.8	0.73
92.38	31,746.5	0.73
92.39	31,768.2	0.74
92.40	31,789.9	0.74
92.41	31,811.6	0.74
92.42	31,833.3	0.74
92.43	31,855.1	0.74
92.44	31,876.8	0.74
92.45	31,898.5	0.74
92.46	31,920.3	0.74
92.47	31,942.0	0.74
92.48	31,963.8	0.74
92.49	31,985.6	0.74
92.50	32,007.3	0.74
92.51	32,029.1	0.74
92.52	32,050.9	0.74
92.53	32,072.7	0.74
92.54	32,094.5	0.74
92.55	32,116.3	0.74
92.56	32,138.2	0.74
92.57	32,160.0	0.74
92.58	32,181.8	0.74
92.59	32,203.7	0.75
92.60	32,225.5	0.75
92.61	32,247.4	0.75
92.62	32,269.2	0.75
92.63	32,291.1	0.75
92.64	32,313.0	0.75
92.65	32,334.9	0.75

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
92.66	32,356.8	0.75
92.67	32,378.7	0.75
92.68	32,400.6	0.75
92.69	32,422.5	0.75
92.70	32,444.4	0.75
92.71	32,466.4	0.75
92.72	32,488.3	0.75
92.73	32,510.2	0.75
92.74	32,532.2	0.75
92.75	32,554.2	0.75
92.76	32,576.1	0.75
92.77	32,598.1	0.75
92.78	32,620.1	0.76
92.79	32,642.1	0.76
92.80	32,664.1	0.76
92.81	32,686.1	0.76
92.82	32,708.1	0.76
92.83	32,730.1	0.76
92.84	32,752.1	0.76
92.85	32,774.2	0.76
92.86	32,796.2	0.76
92.87	32,818.3	0.76
92.88	32,840.3	0.76
92.89	32,862.4	0.76
92.90	32,884.5	0.76
92.91	32,906.5	0.76
92.92	32,928.6	0.76
92.93	32,950.7	0.76
92.94	32,972.8	0.76
92.95	32,994.9	0.76
92.96	33,017.1	0.76
92.97	33,039.2	0.76
92.98	33,061.3	0.77
92.99	33,083.5	0.77
93.00	33,105.6	0.77
93.01	33,127.0	0.77
93.02	33,148.5	0.77
93.03	33,169.9	0.77
93.04	33,191.4	0.77
93.05	33,212.9	0.77
93.06	33,234.3	0.77
93.07	33,255.8	0.77

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
93.08	33,277.3	0.77
93.09	33,298.8	0.77
93.10	33,320.3	0.77
93.11	33,341.8	0.77
93.12	33,363.3	0.77
93.13	33,384.8	0.77
93.14	33,406.3	0.77
93.15	33,427.9	0.77
93.16	33,449.4	0.77
93.17	33,471.0	0.77
93.18	33,492.5	0.78
93.19	33,514.1	0.78
93.20	33,535.6	0.78
93.21	33,557.2	0.78
93.22	33,578.8	0.78
93.23	33,600.4	0.78
93.24	33,622.0	0.78
93.25	33,643.6	0.78
93.26	33,665.2	0.78
93.27	33,686.8	0.78
93.28	33,708.4	0.78
93.29	33,730.1	0.78
93.30	33,751.7	0.78
93.31	33,773.4	0.78
93.32	33,795.0	0.78
93.33	33,816.7	0.78
93.34	33,838.3	0.78
93.35	33,860.0	0.78
93.36	33,881.7	0.78
93.37	33,903.4	0.78
93.38	33,925.1	0.79
93.39	33,946.8	0.79
93.40	33,968.5	0.79
93.41	33,990.2	0.79
93.42	34,011.9	0.79
93.43	34,033.6	0.79
93.44	34,055.4	0.79
93.45	34,077.1	0.79
93.46	34,098.9	0.79
93.47	34,120.6	0.79
93.48	34,142.4	0.79
93.49	34,164.2	0.79

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
93.50	34,185.9	0.79
93.51	34,207.7	0.79
93.52	34,229.5	0.79
93.53	34,251.3	0.79
93.54	34,273.1	0.79
93.55	34,294.9	0.79
93.56	34,316.7	0.79
93.57	34,338.6	0.79
93.58	34,360.4	0.80
93.59	34,382.2	0.80
93.60	34,404.1	0.80
93.61	34,425.9	0.80
93.62	34,447.8	0.80
93.63	34,469.7	0.80
93.64	34,491.5	0.80
93.65	34,513.4	0.80
93.66	34,535.3	0.80
93.67	34,557.2	0.80
93.68	34,579.1	0.80
93.69	34,601.0	0.80
93.70	34,622.9	0.80
93.71	34,644.8	0.80
93.72	34,666.8	0.80
93.73	34,688.7	0.80
93.74	34,710.6	0.80
93.75	34,732.6	0.80
93.76	34,754.6	0.80
93.77	34,776.5	0.81
93.78	34,798.5	0.81
93.79	34,820.5	0.81
93.80	34,842.4	0.81
93.81	34,864.4	0.81
93.82	34,886.4	0.81
93.83	34,908.4	0.81
93.84	34,930.5	0.81
93.85	34,952.5	0.81
93.86	34,974.5	0.81
93.87	34,996.5	0.81
93.88	35,018.6	0.81
93.89	35,040.6	0.81
93.90	35,062.7	0.81
93.91	35,084.7	0.81

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
93.92	35,106.8	0.81
93.93	35,128.9	0.81
93.94	35,151.0	0.81
93.95	35,173.1	0.81
93.96	35,195.1	0.81
93.97	35,217.3	0.82
93.98	35,239.4	0.82
93.99	35,261.5	0.82
94.00	35,283.6	0.82
94.01	35,305.1	0.82
94.02	35,326.5	0.82
94.03	35,348.0	0.82
94.04	35,369.5	0.82
94.05	35,391.0	0.82
94.06	35,412.4	0.82
94.07	35,433.9	0.82
94.08	35,455.4	0.82
94.09	35,476.9	0.82
94.10	35,498.5	0.82
94.11	35,520.0	0.82
94.12	35,541.5	0.82
94.13	35,563.1	0.82
94.14	35,584.6	0.82
94.15	35,606.1	0.82
94.16	35,627.7	0.82
94.17	35,649.3	0.83
94.18	35,670.8	0.83
94.19	35,692.4	0.83
94.20	35,714.0	0.83
94.21	35,735.6	0.83
94.22	35,757.2	0.83
94.23	35,778.8	0.83
94.24	35,800.4	0.83
94.25	35,822.0	0.83
94.26	35,843.6	0.83
94.27	35,865.2	0.83
94.28	35,886.9	0.83
94.29	35,908.5	0.83
94.30	35,930.2	0.83
94.31	35,951.8	0.83
94.32	35,973.5	0.83
94.33	35,995.1	0.83

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
94.34	36,016.8	0.83
94.35	36,038.5	0.83
94.36	36,060.2	0.83
94.37	36,081.9	0.84
94.38	36,103.6	0.84
94.39	36,125.3	0.84
94.40	36,147.0	0.84
94.41	36,168.7	0.84
94.42	36,190.4	0.84
94.43	36,212.1	0.84
94.44	36,233.9	0.84
94.45	36,255.6	0.84
94.46	36,277.4	0.84
94.47	36,299.1	0.84
94.48	36,320.9	0.84
94.49	36,342.7	0.84
94.50	36,364.4	0.84
94.51	36,386.2	0.84
94.52	36,408.0	0.84
94.53	36,429.8	0.84
94.54	36,451.6	0.84
94.55	36,473.4	0.84
94.56	36,495.2	0.84
94.57	36,517.1	0.85
94.58	36,538.9	0.85
94.59	36,560.7	0.85
94.60	36,582.6	0.85
94.61	36,604.4	0.85
94.62	36,626.3	0.85
94.63	36,648.1	0.85
94.64	36,670.0	0.85
94.65	36,691.9	0.85
94.66	36,713.8	0.85
94.67	36,735.6	0.85
94.68	36,757.5	0.85
94.69	36,779.4	0.85
94.70	36,801.4	0.85
94.71	36,823.3	0.85
94.72	36,845.2	0.85
94.73	36,867.1	0.85
94.74	36,889.0	0.85
94.75	36,911.0	0.85

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
94.76	36,932.9	0.85
94.77	36,954.9	0.86
94.78	36,976.8	0.86
94.79	36,998.8	0.86
94.80	37,020.8	0.86
94.81	37,042.8	0.86
94.82	37,064.7	0.86
94.83	37,086.7	0.86
94.84	37,108.7	0.86
94.85	37,130.7	0.86
94.86	37,152.8	0.86
94.87	37,174.8	0.86
94.88	37,196.8	0.86
94.89	37,218.8	0.86
94.90	37,240.9	0.86
94.91	37,262.9	0.86
94.92	37,285.0	0.86
94.93	37,307.0	0.86
94.94	37,329.1	0.86
94.95	37,351.2	0.86
94.96	37,373.2	0.87
94.97	37,395.3	0.87
94.98	37,417.4	0.87
94.99	37,439.5	0.87
95.00	37,461.6	0.87
95.01	37,483.1	0.87
95.02	37,504.6	0.87
95.03	37,526.0	0.87
95.04	37,547.5	0.87
95.05	37,569.0	0.87
95.06	37,590.5	0.87
95.07	37,612.1	0.87
95.08	37,633.6	0.87
95.09	37,655.1	0.87
95.10	37,676.6	0.87
95.11	37,698.2	0.87
95.12	37,719.7	0.87
95.13	37,741.3	0.87
95.14	37,762.8	0.87
95.15	37,784.4	0.87
95.16	37,805.9	0.87
95.17	37,827.5	0.88

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
95.18	37,849.1	0.88
95.19	37,870.7	0.88
95.20	37,892.3	0.88
95.21	37,913.9	0.88
95.22	37,935.5	0.88
95.23	37,957.1	0.88
95.24	37,978.7	0.88
95.25	38,000.3	0.88
95.26	38,022.0	0.88
95.27	38,043.6	0.88
95.28	38,065.2	0.88
95.29	38,086.9	0.88
95.30	38,108.5	0.88
95.31	38,130.2	0.88
95.32	38,151.9	0.88
95.33	38,173.5	0.88
95.34	38,195.2	0.88
95.35	38,216.9	0.88
95.36	38,238.6	0.89
95.37	38,260.3	0.89
95.38	38,282.0	0.89
95.39	38,303.7	0.89
95.40	38,325.4	0.89
95.41	38,347.1	0.89
95.42	38,368.9	0.89
95.43	38,390.6	0.89
95.44	38,412.3	0.89
95.45	38,434.1	0.89
95.46	38,455.8	0.89
95.47	38,477.6	0.89
95.48	38,499.4	0.89
95.49	38,521.1	0.89
95.50	38,542.9	0.89
95.51	38,564.7	0.89
95.52	38,586.5	0.89
95.53	38,608.3	0.89
95.54	38,630.1	0.89
95.55	38,651.9	0.89
95.56	38,673.7	0.90
95.57	38,695.5	0.90
95.58	38,717.3	0.90
95.59	38,739.2	0.90

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft ²)	Flow (Infiltration) (ft ³ /s)
95.60	38,761.0	0.90
95.61	38,782.9	0.90
95.62	38,804.7	0.90
95.63	38,826.6	0.90
95.64	38,848.4	0.90
95.65	38,870.3	0.90
95.66	38,892.2	0.90
95.67	38,914.1	0.90
95.68	38,935.9	0.90
95.69	38,957.8	0.90
95.70	38,979.7	0.90
95.71	39,001.6	0.90
95.72	39,023.6	0.90
95.73	39,045.5	0.90
95.74	39,067.4	0.90
95.75	39,089.3	0.90
95.76	39,111.3	0.91
95.77	39,133.2	0.91
95.78	39,155.2	0.91
95.79	39,177.1	0.91
95.80	39,199.1	0.91
95.81	39,221.0	0.91
95.82	39,243.0	0.91
95.83	39,265.0	0.91
95.84	39,287.0	0.91
95.85	39,309.0	0.91
95.86	39,331.0	0.91
95.87	39,353.0	0.91
95.88	39,375.0	0.91
95.89	39,397.0	0.91
95.90	39,419.0	0.91
95.91	39,441.1	0.91
95.92	39,463.1	0.91
95.93	39,485.1	0.91
95.94	39,507.2	0.91
95.95	39,529.2	0.92
95.96	39,551.3	0.92
95.97	39,573.4	0.92
95.98	39,595.4	0.92
95.99	39,617.5	0.92
96.00	39,639.6	0.92
96.01	39,665.5	0.92

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
96.02	39,691.5	0.92
96.03	39,717.4	0.92
96.04	39,743.4	0.92
96.05	39,769.3	0.92
96.06	39,795.3	0.92
96.07	39,821.3	0.92
96.08	39,847.3	0.92
96.09	39,873.3	0.92
96.10	39,899.3	0.92
96.11	39,925.3	0.92
96.12	39,951.3	0.92
96.13	39,977.3	0.93
96.14	40,003.4	0.93
96.15	40,029.4	0.93
96.16	40,055.5	0.93
96.17	40,081.5	0.93
96.18	40,107.6	0.93
96.19	40,133.7	0.93
96.20	40,159.8	0.93
96.21	40,185.9	0.93
96.22	40,212.0	0.93
96.23	40,238.1	0.93
96.24	40,264.2	0.93
96.25	40,290.4	0.93
96.26	40,316.5	0.93
96.27	40,342.6	0.93
96.28	40,368.8	0.93
96.29	40,395.0	0.94
96.30	40,421.1	0.94
96.31	40,447.3	0.94
96.32	40,473.5	0.94
96.33	40,499.7	0.94
96.34	40,525.9	0.94
96.35	40,552.1	0.94
96.36	40,578.4	0.94
96.37	40,604.6	0.94
96.38	40,630.8	0.94
96.39	40,657.1	0.94
96.40	40,683.3	0.94
96.41	40,709.6	0.94
96.42	40,735.9	0.94
96.43	40,762.2	0.94

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil30 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
96.44	40,788.5	0.94
96.45	40,814.8	0.94
96.46	40,841.1	0.95
96.47	40,867.4	0.95
96.48	40,893.7	0.95
96.49	40,920.1	0.95
96.50	40,946.4	0.95

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: Infil30
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	91.40 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Output Increment	0.050

Time to Peak (hours)	
Time to Peak (hours)	12.400
Peak (ft³/s)	95.71
Maximum Storage Elevation (ft)	144,824.00
Volume (ft³)	0
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.150 123.23
Infiltration...	12.400 0.00
Pond Outflow...	12.400 85.57
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.150 123.23
Infiltration...	12.400 0.00
Pond Outflow...	12.400 85.57
Total Volume In	
Volume (ft³)	Direction
Pond Inflow....	843,078.000 Forward
Infiltration...	0.000 Reverse
Pond Outflow...	0.000 Reverse
Mass Balance (ft³)	0.000 Reverse

Total Volume Out	
Volume (ft³)	Direction
Pond Inflow....	843,078.000 Forward
Infiltration...	0.000 Reverse
Pond Outflow...	0.000 Reverse
Mass Balance (ft³)	0.000 Reverse
Volume (Initial ICPM)	
Volume (Total In ICPM)	843,078.000 ft³
Volume (Total Out ICPM)	843,061.000 ft³
Volume (Ending)	12.000 ft³
Elevation (Ending)	91.40 ft
Difference	5.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Infil8
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
1.0000 in/h	
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
109.50	0.00	0.000	0.000	0.00	0.00	0.00
109.60	0.03	6.389	0.004	0.00	0.04	0.11
109.70	0.12	51.110	0.018	0.02	0.14	0.70
109.80	0.26	172.498	0.040	0.04	0.30	2.22
109.90	0.45	408.883	0.070	0.07	0.52	5.06
110.00	0.68	798.600	0.110	0.11	0.79	9.66
110.10	0.94	1,281.946	0.112	0.11	1.05	15.30
110.20	1.22	1,773.714	0.114	0.11	1.34	21.05
110.30	1.53	2,273.975	0.116	0.12	1.65	26.91
110.40	1.83	2,782.803	0.118	0.12	1.94	32.86
110.50	2.00	3,300.270	0.120	0.12	2.13	38.80
110.60	2.17	3,826.449	0.122	0.12	2.29	44.81
110.70	2.32	4,361.413	0.124	0.12	2.45	50.91
110.75	2.40	4,632.211	0.125	0.13	2.52	53.99
110.80	2.52	4,905.234	0.126	0.13	2.64	57.15
110.90	2.86	5,457.985	0.128	0.13	2.99	63.64
111.00	3.29	6,019.739	0.130	0.13	3.43	70.31
111.10	3.79	6,592.237	0.133	0.13	3.92	77.17
111.20	4.33	7,177.261	0.136	0.14	4.47	84.22
111.30	4.92	7,774.946	0.139	0.14	5.06	91.45
111.40	5.56	8,385.427	0.142	0.14	5.70	98.87
111.48	6.09	8,883.118	0.144	0.15	6.23	104.94
111.50	6.29	9,008.842	0.145	0.15	6.43	106.53
111.60	7.80	9,645.324	0.148	0.15	7.95	115.12
111.70	9.83	10,295.010	0.151	0.15	9.98	124.37
111.80	12.22	10,958.034	0.154	0.16	12.38	134.13
111.90	14.93	11,634.534	0.157	0.16	15.09	144.36
112.00	17.91	12,324.644	0.160	0.16	18.07	155.01

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: Infil8
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil8 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
109.50	0.0	0.00
109.60	191.7	0.00
109.70	766.7	0.02
109.80	1,725.0	0.04
109.90	3,066.6	0.07
110.00	4,791.6	0.11
110.10	4,875.4	0.11
110.20	4,960.0	0.11
110.30	5,045.3	0.12
110.40	5,131.4	0.12
110.50	5,218.1	0.12
110.60	5,305.6	0.12
110.70	5,393.8	0.12
110.75	5,438.2	0.13
110.80	5,482.7	0.13
110.90	5,572.4	0.13
111.00	5,662.8	0.13
111.10	5,787.4	0.13
111.20	5,913.3	0.14
111.30	6,040.6	0.14
111.40	6,169.3	0.14
111.48	6,273.1	0.15
111.50	6,299.3	0.15
111.60	6,430.6	0.15
111.70	6,563.3	0.15
111.80	6,697.4	0.16
111.90	6,832.8	0.16
112.00	6,969.6	0.16

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Infil8 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		1.0000 in/h
Initial Conditions		
Elevation (Water Surface, Initial)	109.50 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.95 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.12 ft³/s	Time to Peak (Infiltration)	12.300 hours
Flow (Peak Outlet)	1.66 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours

Elevation (Water Surface, Peak)	110.35 ft
Volume (Peak)	2,505.349 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,033.000 ft³
Volume (Total Infiltration)	1,683.000 ft³
Volume (Total Outlet Outflow)	13,350.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Infil8 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		1.0000 in/h
Initial Conditions		
Elevation (Water Surface, Initial)	109.50 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	7.24 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.13 ft³/s	Time to Peak (Infiltration)	12.350 hours
Flow (Peak Outlet)	2.68 ft³/s	Time to Peak (Flow, Outlet)	12.350 hours

Elevation (Water Surface, Peak)	110.85 ft
Volume (Peak)	5,166.949 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	27,239.000 ft³
Volume (Total Infiltration)	2,653.000 ft³
Volume (Total Outlet Outflow)	24,586.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: Infil8 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
109.50	0.0	0.00
109.60	191.7	0.00
109.70	766.7	0.02
109.80	1,725.0	0.04
109.90	3,066.6	0.07
110.00	4,791.6	0.11
110.10	4,875.4	0.11
110.20	4,960.0	0.11
110.30	5,045.3	0.12
110.40	5,131.4	0.12
110.50	5,218.1	0.12
110.60	5,305.6	0.12
110.70	5,393.8	0.12
110.75	5,438.2	0.13
110.80	5,482.7	0.13
110.90	5,572.4	0.13
111.00	5,662.8	0.13
111.10	5,787.4	0.13
111.20	5,913.3	0.14
111.30	6,040.6	0.14
111.40	6,169.3	0.14
111.48	6,273.1	0.15
111.50	6,299.3	0.15
111.60	6,430.6	0.15
111.70	6,563.3	0.15
111.80	6,697.4	0.16
111.90	6,832.8	0.16
112.00	6,969.6	0.16

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: Infil8 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	1.0000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	109.50 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	15.86 ft³/s	T
Infiltration (Peak)	0.15 ft³/s	T
Flow (Peak Outlet)	8.92 ft³/s	T
Elevation (Water Surface, Peak)	111.66 ft	
Volume (Peak)	10,001.197 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	57,156,000 ft³	
Volume (Total Infiltration)	4,511,000 ft³	
Volume (Total Outlet Outflow)	52,645,000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Infil8 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'Infil8'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA8 Imp	
<Catchment to Outflow Node>		PDA8 Perv	
Out10		UGB10	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA8 Imp	5,057.187	12.100	1.55
Flow (From)	PDA8 Perv	725.822	12.100	0.25
Flow (From)	Out10	9,250.077	12.150	2.23
Flow (In)	Infil8	15,033.086	12.100	3.95

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Infil8 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'Infil8'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		PDA8 Imp	
<Catchment to Outflow Node>		PDA8 Perv	
Out10		UGB10	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA8 Imp	8,211.175	12.100	2.46
Flow (From)	PDA8 Perv	2,025.058	12.100	0.76
Flow (From)	Out10	17,003.016	12.150	4.04
Flow (In)	Infil8	27,239.248	12.100	7.24

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: Infil8 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'Infil8'

Upstream Link		Upstream Node
<Catchment to Outflow Node>		PDA8 Imp
<Catchment to Outflow Node>		PDA8 Perv
Out10		UGB10

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	PDA8 Imp	15,491.114	12.100	4.58
Flow (From)	PDA8 Perv	5,928.606	12.100	2.18
Flow (From)	Out10	35,736.136	12.100	9.10
Flow (In)	Infil8	57,155.856	12.100	15.86

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB10
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
106.00	0.00	0.000	0.000	0.00	0.00	0.00
106.25	0.00	308.473	0.000	0.00	0.00	3.43
106.50	0.00	623.315	0.000	0.00	0.00	6.93
106.75	0.00	1,276.719	0.000	0.00	0.00	14.19
107.00	0.00	1,927.904	0.000	0.00	0.00	21.42
107.25	0.56	2,571.755	0.000	0.00	0.56	29.14
107.50	1.59	3,206.879	0.000	0.00	1.59	37.22
107.75	2.92	3,827.883	0.000	0.00	2.92	45.45
108.00	4.50	4,432.649	0.000	0.00	4.50	53.75
108.25	6.29	5,012.490	0.000	0.00	6.29	61.98
108.50	8.27	5,561.117	0.000	0.00	8.27	70.06
108.75	10.42	6,052.483	0.000	0.00	10.42	77.67
109.00	12.73	6,466.727	0.000	0.00	12.73	84.58
109.25	15.19	6,858.120	0.000	0.00	15.19	91.39
109.50	17.79	7,256.458	0.000	0.00	17.79	98.42

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB10 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.44 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.23 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	107.62 ft
Volume (Peak)	3,507.648 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	11,178.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	9,250.000 ft³
Volume (Retained)	1,928.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB10 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.82 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	4.04 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	107.93 ft
Volume (Peak)	4,256.318 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	18,931.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	17,003.000 ft³
Volume (Retained)	1,928.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB10 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	11.52 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	9.10 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	108.60 ft
Volume (Peak)	5,761.599 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	37,664.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	35,736.000 ft³
Volume (Retained)	1,928.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB10 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB10'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA10 Perv
<Catchment to Outflow Node>	DA10 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA10 Perv	665.473	12.100	0.23
Flow (From)	DA10 Imp	10,512.509	12.100	3.22
Flow (In)	UGB10	11,177.982	12.100	3.44

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB10 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB10'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA10 Perv	
<Catchment to Outflow Node>		DA10 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA10 Perv	1,861,467	12.100	0.69
Flow (From)	DA10 Imp	17,069,454	12.100	5.13
Flow (In)	UGB10	18,930,921	12.100	5.82

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB10 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB10'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA10 Perv	
<Catchment to Outflow Node>		DA10 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA10 Perv	5,460,331	12.100	2.00
Flow (From)	DA10 Imp	32,203,708	12.100	9.52
Flow (In)	UGB10	37,664,039	12.100	11.52

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB11 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	1.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	84.08 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
84.08	0.00	0.000	0.028	0.00	0.00	0.00
84.18	0.00	48.312	0.028	0.03	0.03	0.56
84.28	0.00	97.300	0.028	0.03	0.03	1.11
84.38	0.00	146.969	0.029	0.03	0.03	1.66
84.48	0.00	197.321	0.029	0.03	0.03	2.22
84.58	0.00	248.360	0.029	0.03	0.03	2.79
84.68	0.00	300.089	0.030	0.03	0.03	3.36
84.78	0.00	352.511	0.030	0.03	0.03	3.95
84.88	0.00	405.629	0.031	0.03	0.03	4.54
84.98	0.00	459.446	0.031	0.03	0.03	5.14
85.08	0.19	513.966	0.031	0.03	0.22	5.93
85.18	0.54	615.599	0.032	0.03	0.57	7.41
85.25	0.84	686.296	0.032	0.03	0.87	8.50
85.28	1.05	716.595	0.032	0.03	1.08	9.04
85.38	2.08	816.842	0.033	0.03	2.11	11.19
85.48	3.44	916.036	0.033	0.03	3.48	13.66
85.58	5.06	1,013.873	0.034	0.03	5.10	16.36
85.68	6.90	1,109.740	0.034	0.03	6.93	19.26
85.78	8.92	1,203.948	0.034	0.03	8.96	22.34
85.88	11.12	1,295.693	0.035	0.04	11.16	25.56
85.98	13.48	1,384.517	0.035	0.04	13.52	28.90
86.08	16.00	1,469.732	0.036	0.04	16.03	32.36
86.18	18.65	1,548.417	0.036	0.04	18.69	35.89
86.28	21.44	1,619.000	0.036	0.04	21.47	39.46
86.38	24.35	1,686.406	0.037	0.04	24.39	43.13
86.48	27.39	1,751.715	0.037	0.04	27.43	46.89
86.58	30.55	1,817.158	0.038	0.04	30.59	50.78
86.68	33.82	1,883.356	0.038	0.04	33.86	54.78

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB11 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
86.78	37.20	1,950.310	0.039	0.04	37.24	58.91
86.88	40.69	2,018.025	0.039	0.04	40.73	63.15
86.91	41.87	2,040.766	0.039	0.04	41.91	64.59

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB11 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
84.08	1,199.4	0.00
84.18	1,216.2	0.03
84.28	1,233.2	0.03
84.38	1,250.3	0.03
84.48	1,267.4	0.03
84.58	1,284.6	0.03
84.68	1,301.9	0.03
84.78	1,319.2	0.03
84.88	1,336.7	0.03
84.98	1,354.2	0.03
85.08	1,371.8	0.03
85.18	1,389.5	0.03
85.25	1,401.9	0.03
85.28	1,407.3	0.03
85.38	1,425.1	0.03
85.48	1,443.0	0.03
85.58	1,461.0	0.03
85.68	1,479.1	0.03
85.78	1,497.3	0.03
85.88	1,515.5	0.04
85.98	1,533.9	0.04
86.08	1,552.3	0.04
86.18	1,570.8	0.04
86.28	1,589.3	0.04
86.38	1,608.0	0.04
86.48	1,626.7	0.04
86.58	1,645.5	0.04
86.68	1,664.4	0.04
86.78	1,683.4	0.04
86.88	1,702.4	0.04
86.91	1,708.8	0.04

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB11 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	1.0000 m/h	
Initial Conditions		
Elevation (Water Surface, Initial)	84.08 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	4.62 ft³/s	T
Infiltration (Peak)	0.03 ft³/s	T
Flow (Peak Outlet)	4.35 ft³/s	T
Elevation (Water Surface, Peak)	85.54 ft	
Volume (Peak)	970.880 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	37,790,000 ft³	
Volume (Total Infiltration)	3,595,000 ft³	
Volume (Total Outlet Outflow)	34,195,000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB11 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	1.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	84.08 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	9.45 ft³/s
Infiltration (Peak)	0.03 ft³/s
Flow (Peak Outlet)	9.09 ft³/s
Time to Peak (Flow, In)	
Time to Peak (Infiltration)	
Time to Peak (Flow, Outlet)	
12.100 hours	
12.100 hours	
12.100 hours	
Elevation (Water Surface, Peak)	
Volume (Peak)	85.79 ft
1,211.058 ft³	
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	71,368.000 ft³
Volume (Total Infiltration)	3,939.000 ft³
Volume (Total Outlet Outflow)	67,428.000 ft³
Volume (Retained)	1.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB11 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
84.08	1,199.4	0.00
84.18	1,216.2	0.03
84.28	1,233.2	0.03
84.38	1,250.3	0.03
84.48	1,267.4	0.03
84.58	1,284.6	0.03
84.68	1,301.9	0.03
84.78	1,319.2	0.03
84.88	1,336.7	0.03
84.98	1,354.2	0.03
85.08	1,371.8	0.03
85.18	1,389.5	0.03
85.25	1,401.9	0.03
85.28	1,407.3	0.03
85.38	1,425.1	0.03
85.48	1,443.0	0.03
85.58	1,461.0	0.03
85.68	1,479.1	0.03
85.78	1,497.3	0.03
85.88	1,515.5	0.04
85.98	1,533.9	0.04
86.08	1,552.3	0.04
86.18	1,570.8	0.04
86.28	1,589.3	0.04
86.38	1,608.0	0.04
86.48	1,626.7	0.04
86.58	1,645.5	0.04
86.68	1,664.4	0.04
86.78	1,683.4	0.04
86.88	1,702.4	0.04
86.91	1,708.8	0.04

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB11 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	1.0000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	84.08 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	23.34 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.04 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	22.45 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	86.31 ft
Volume (Peak)	1,642.415 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	155,481.000 ft³
Volume (Total Infiltration)	4,258.000 ft³
Volume (Total Outlet Outflow)	151,222.000 ft³
Volume (Retained)	1.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB11 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB11'

Upstream Link		Upstream Node	
Out15		UGB15	
<Catchment to Outflow Node>		DA11 Perv	
<Catchment to Outflow Node>		DA11 Imp	

Node Inflows			
Inflow Type	Element	Volume (ft³)	Time to Peak (hours)
Flow (From)	Out15	29,673.826	12.300
Flow (From)	DA11 Perv	497.477	12.100
Flow (From)	DA11 Imp	7,618.525	12.100
Flow (In)	UGB11	37,789.828	12.100
			4.62

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB11 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB11'

Upstream Link		Upstream Node	
Out15		UGB15	
<Catchment to Outflow Node>		DA11 Perv	
<Catchment to Outflow Node>		DA11 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out15	57,317.892	12.250	6.01
Flow (From)	DA11 Perv	1,393.139	12.100	0.50
Flow (From)	DA11 Imp	12,657.119	12.100	3.88
Flow (In)	UGB11	71,368.150	12.100	9.45

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB11 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB11'

Upstream Link		Upstream Node	
Out15		UGB15	
<Catchment to Outflow Node>		DA11 Perv	
<Catchment to Outflow Node>		DA11 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out15	127,069.077	12.200	17.11
Flow (From)	DA11 Perv	4,090.184	12.100	1.46
Flow (From)	DA11 Imp	24,321.572	12.100	7.25
Flow (In)	UGB11	155,480.833	12.100	23.34

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB13
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration
Infiltration Method (Computed)
No Infiltration

Initial Conditions					Calculation Tolerances		
Elevation (Starting Water Surface Computed)	86.00	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s		
Volume (Starting)	0.000	ft ³	Maximum Iterations	35			
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.050	hours		

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.150		87.73		823.000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.100	2.35	0.000
Pond Outflow...	12.100	1.86	0.000

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	8,140.000	Forward	0.000
Pond Outflow...	0.000	Reverse	7,728.000

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	8,140.000 ft ³
Volume (Total Out ICPM)	7,728.000 ft ³
Volume (Ending)	413.000 ft ³
Elevation (Ending)	87.00 ft
Difference	0.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB13
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration
Infiltration Method (Computed)
No Infiltration

Initial Conditions					Calculation Tolerances		
Elevation (Starting Water Surface Computed)	86.00	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s		
Volume (Starting)	0.000	ft ³	Maximum Iterations	35			
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.050	hours		

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.150		88.06		1,005.000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.100	3.70	0.000
Pond Outflow...	12.100	3.03	0.000

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	14,213.000	Forward	0.000
Pond Outflow...	0.000	Reverse	13,801.000

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	14,213.000 ft ³
Volume (Total Out ICPM)	13,801.000 ft ³
Volume (Ending)	413.000 ft ³
Elevation (Ending)	87.00 ft
Difference	0.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB13
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak		Maximum Storage	
Peak (hours)		Elevation (ft)	
12.100		88.86	
12.100		1,424.000	
Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)		Time to Peak (hours)	
12.100		8.48	
12.100		7.08	
Pond Inflow....		0.000	
Pond Outflow...		0.000	

Total Volume In		Total Volume Out	
Volume (ft ³)		Volume (ft ³)	
Direction		Direction	
Forward		Forward	
Reverse		Reverse	
28,667,000		0.000	
0.000		28,254,000	
Pond Inflow....		Pond Outflow...	
Mass Balance (ft ³)		Mass Balance (ft ³)	
Volume (Initial ICPM)		Volume (Initial ICPM)	
28,667,000 ft ³		0.000 ft ³	
Volume (Total In ICPM)		Volume (Total In ICPM)	
28,254,000 ft ³		28,254,000 ft ³	
Volume (Ending)		Volume (Total Out ICPM)	
413,000 ft ³		413,000 ft ³	
Elevation (Ending)		Volume (Ending)	
87.00 ft		87.00 ft	
Difference		Difference	
0.000 ft ³		0.000 ft ³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		Percent of Inflow Volume (Interconnected Pond Mass Balance)	
0.0 %		0.0 %	

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB14
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak		Maximum Storage	
Peak (hours)		Elevation (ft)	
12.150		87.98	
12.150		824.000	
Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)		Time to Peak (hours)	
12.100		1.38	
12.100		0.98	
Pond Inflow....		0.000	
Pond Outflow...		0.000	

Total Volume In		Total Volume Out	
Volume (ft ³)		Volume (ft ³)	
Direction		Direction	
Forward		Forward	
Reverse		Reverse	
4,316,000		0.000	
0.000		3,915,000	
Pond Inflow....		Pond Outflow...	
Mass Balance (ft ³)		Mass Balance (ft ³)	
Volume (Initial ICPM)		Volume (Initial ICPM)	
4,316,000 ft ³		0.000 ft ³	
Volume (Total In ICPM)		Volume (Total In ICPM)	
3,915,000 ft ³		3,915,000 ft ³	
Volume (Ending)		Volume (Total Out ICPM)	
401,000 ft ³		401,000 ft ³	
Elevation (Ending)		Volume (Ending)	
87.23 ft		87.23 ft	
Difference		Difference	
0.000 ft ³		0.000 ft ³	
Percent of Inflow Volume (Interconnected Pond Mass Balance)		Percent of Inflow Volume (Interconnected Pond Mass Balance)	
0.0 %		0.0 %	

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB14
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

	Time to Peak (hours)	Elevation (ft)	Maximum Storage Volume (ft³)
	12.150	88.50	1,109,000
	Forward Flow Peaks		
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)
Pond Inflow....	12.100	2.32	0.000
Pond Outflow....	12.150	1.50	0.000

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	7,391,000	Forward	0.000
Pond Outflow...	0.000	Reverse	6,989,000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	7,391,000 ft ³		
Volume (Total Out ICPM)	6,989,000 ft ³		
Volume (Ending)	401,000 ft ³		
Elevation (Ending)	87.23 ft		
Difference	0.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB14
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	86.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

	Time to Peak (hours)	Elevation (ft)	Maximum Storage Volume (ft ³)
	12.150	88.94	1,344,000
	Forward Flow Peaks		
	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)
Pond Inflow....	12.100	4.54	0.000
Pond Outflow....	12.100	4.08	0.000

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	14,751,000	Forward	0.000
Pond Outflow...	0.000	Reverse	14,349,000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	14,751,000 ft ³		
Volume (Total Out ICPM)	14,349,000 ft ³		
Volume (Ending)	401,000 ft ³		
Elevation (Ending)	87.23 ft		
Difference	0.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB15
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration
Infiltration Method (Computed)
No Infiltration

Initial Conditions					Calculation Tolerances		
Elevation (Starting Water Surface Computed)	92.00	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s		
Volume (Starting)	0.000	ft ³	Maximum Iterations	35			
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.050	hours		

Time to Peak			Maximum Storage	
Time to Peak (hours)	Elevation (ft)	Volume (ft ³)		
12.300	93.26	5,849,000		

Forward Flow Peaks			Reverse Flow Peaks		
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Volume (ft ³)
Pond Inflow....	12.100	5.37	0.000	0.000	0.00
Pond Outflow...	12.300	2.61	0.000	0.000	0.00

Total Volume In			Total Volume Out		
Volume (ft ³)	Direction	Volume (ft ³)	Volume (ft ³)	Direction	Volume (ft ³)
Pond Inflow....	31,848,000	Forward	0.000	Reverse	0.000
Pond Outflow...	0.000	Reverse	29,674,000	Forward	

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	31,848,000 ft ³
Volume (Total Out ICPM)	29,674,000 ft ³
Volume (Ending)	2,175,000 ft ³
Elevation (Ending)	92.63 ft
Difference	0.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB15
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration
Infiltration Method (Computed)
No Infiltration

Initial Conditions					Calculation Tolerances		
Elevation (Starting Water Surface Computed)	92.00	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s		
Volume (Starting)	0.000	ft ³	Maximum Iterations	35			
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.050	hours		

Time to Peak			Maximum Storage	
Time to Peak (hours)	Elevation (ft)	Volume (ft ³)		
12.250	93.72	8,473,000		

Forward Flow Peaks			Reverse Flow Peaks		
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Volume (ft ³)
Pond Inflow....	12.100	10.62	0.000	0.000	0.00
Pond Outflow...	12.250	6.01	0.000	0.000	0.00

Total Volume In			Total Volume Out		
Volume (ft ³)	Direction	Volume (ft ³)	Volume (ft ³)	Direction	Volume (ft ³)
Pond Inflow....	59,493,000	Forward	0.000	Reverse	0.000
Pond Outflow...	0.000	Reverse	57,318,000	Forward	

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	59,493,000 ft ³
Volume (Total Out ICPM)	57,318,000 ft ³
Volume (Ending)	2,175,000 ft ³
Elevation (Ending)	92.63 ft
Difference	0.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB15
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	92.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)	Volume (ft ³)
12.200		94.83	13,752.000
Forward Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.100	25.40	0.000
Pond Outflow...	12.200	17.11	0.000

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	129,244.000	Forward	0.000
Pond Outflow...	0.000	Reverse	127,069.000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	129,244.000 ft ³		
Volume (Total Out ICPM)	127,069.000 ft ³		
Volume (Ending)	2,175.000 ft ³		
Elevation (Ending)	92.63 ft		
Difference	0.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB16
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)	Volume (ft ³)
12.350		95.42	9,655.000
Forward Flow Peaks			
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.100	6.49	0.000
Pond Outflow...	12.350	1.60	0.000

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	21,490.000	Forward	0.000
Pond Outflow...	0.000	Reverse	18,402.000
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	21,490.000 ft ³		
Volume (Total Out ICPM)	18,402.000 ft ³		
Volume (Ending)	3,088.000 ft ³		
Elevation (Ending)	94.63 ft		
Difference	0.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB16
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)	
12.250	96.00
Maximum Storage Volume (ft ³)	
12.250	14,125.000

Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.100	11.39
12.250	3.62

Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
0.000	0.000
0.000	0.000

Total Volume In	
Volume (ft ³)	Direction
38,080.000	Forward
0.000	Reverse
Total Volume Out	
Volume (ft ³)	Direction
38,080.000	Forward
34,992.000	Reverse
Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	38,080.000 ft ³
Volume (Total Out ICPM)	34,992.000 ft ³
Volume (Ending)	3,088.000 ft ³
Elevation (Ending)	94.63 ft
Difference	0.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB16
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)	
12.200	97.46
Maximum Storage Volume (ft ³)	
12.200	22,336.000

Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
12.100	23.48
12.200	10.67

Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)
0.000	0.000
0.000	0.000

Total Volume In	
Volume (ft ³)	Direction
79,450.000	Forward
0.000	Reverse
Total Volume Out	
Volume (ft ³)	Direction
79,450.000	Forward
76,361.000	Reverse
Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	79,450.000 ft ³
Volume (Total Out ICPM)	76,361.000 ft ³
Volume (Ending)	3,089.000 ft ³
Elevation (Ending)	94.63 ft
Difference	0.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB17 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
110.50	0.00	0.000	0.000	0.00	0.00	0.00
110.75	0.00	1,168.548	0.000	0.00	0.00	12.98
111.00	0.00	2,350.871	0.000	0.00	0.00	26.12
111.25	0.00	4,850.926	0.000	0.00	0.00	53.90
111.50	0.00	7,330.736	0.000	0.00	0.00	81.45
111.75	0.38	9,769.092	0.000	0.00	0.38	108.92
112.00	1.06	12,161.358	0.000	0.00	1.06	136.19
112.25	1.95	14,485.207	0.000	0.00	1.95	162.90
112.50	3.00	16,733.176	0.000	0.00	3.00	188.92
112.75	4.19	18,869.975	0.000	0.00	4.19	213.86
113.00	5.51	20,871.780	0.000	0.00	5.51	237.42
113.25	6.95	22,635.077	0.000	0.00	6.95	258.45
113.50	8.49	24,082.744	0.000	0.00	8.49	276.07
113.75	10.13	25,426.780	0.000	0.00	10.13	292.64
114.00	11.86	26,785.167	0.000	0.00	11.86	309.47

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB17 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.48 ft³/s	Time to Peak (Flow, In)	12,100 hours 14,750 hours
Flow (Peak Outlet)	0.13 ft³/s	Time to Peak (Flow, Outlet)	
Elevation (Water Surface, Peak)	111.58 ft		
Volume (Peak)	8,152.605 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	10,952.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	3,622.000 ft³		
Volume (Retained)	7,331.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB17 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.77 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.74 ft³/s	Time to Peak (Flow, Outlet)	12.600 hours

Elevation (Water Surface, Peak)	111.88 ft
Volume (Peak)	11,038.256 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	18,571.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	11,240.000 ft³
Volume (Retained)	7,331.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB17 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	11.13 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.43 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)	112.59 ft
Volume (Peak)	17,516.860 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	36,625.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	29,294.000 ft³
Volume (Retained)	7,331.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB17 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB17'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA17 Imp	
<Catchment to Outflow Node>		DA17 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA17 Imp	10,620.369	12.100	3.39
Flow (From)	DA17 Perv	331.906	12.100	0.10
Flow (In)	UGB17	10,952.275	12.100	3.48

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB17 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB17'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA17 Imp	
<Catchment to Outflow Node>		DA17 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA17 Imp	17,641.957	12.100	5.46
Flow (From)	DA17 Perv	925.209	12.100	0.31
Flow (In)	UGB17	18,571.166	12.100	5.77

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB17 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB17'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA17 Imp
<Catchment to Outflow Node>	DA17 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA17 Imp	33,897,575	12.100	10.20
Flow (From)	DA17 Perv	2,727,529	12.100	0.93
Flow (In)	UGB17	36,625,103	12.100	11.13

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB18
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	No Infiltration

Initial Conditions

Elevation (Starting Water Surface Computed)	94.00	ft	Flow Tolerance (Minimum)	0.000	ft³/s
Volume (Starting)	0.000	ft³	Maximum Iterations	35	
Outflow (Starting)	0.00	ft³/s	ICPM Time Step	0.050	hours

Time to Peak (hours)	Elevation (ft)	Maximum Storage Volume (ft³)
12.200	96.32	1,811,000

	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.150	5.37	0.000	0.00
Pond Outflow...	12.200	4.59	0.000	0.00

	Total Volume In		Total Volume Out	
	Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	27,879,000	Forward	0.000	Reverse
Pond Outflow...	0.000	Reverse	27,219,000	Forward

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	27,879,000 ft³
Volume (Total Out ICPM)	27,219,000 ft³
Volume (Ending)	660,000 ft³
Elevation (Ending)	95.00 ft
Difference	0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB18
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.200		96.99		2,298.000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.150 13.28	0.000	0.00
Pond Outflow...	12.200 12.59	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	56,294.000 Forward	0.000	Reverse
Pond Outflow...	0.000 Reverse	55,634.000	Forward

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	56,294.000 ft ³
Volume (Total Out ICPM)	55,634.000 ft ³
Volume (Ending)	660.000 ft ³
Elevation (Ending)	95.00 ft
Difference	0.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB18
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
12.100		97.50		2,626.000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	12.150 33.54	0.000	0.00
Pond Outflow...	12.100 23.86	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	129,568.000 Forward	0.000	Reverse
Pond Outflow...	0.000 Reverse	125,386.000	Forward

Mass Balance (ft ³)	
Volume (Initial ICPM)	0.000 ft ³
Volume (Total In ICPM)	129,568.000 ft ³
Volume (Total Out ICPM)	125,386.000 ft ³
Volume (Ending)	660.000 ft ³
Elevation (Ending)	95.00 ft
Difference	3,522.000 ft ³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	2.7 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB19 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.50	1,040.8	0.00
94.75	1,081.9	0.03
95.00	1,123.6	0.03
95.03	1,128.6	0.03
95.25	1,165.7	0.03
95.50	1,208.4	0.03
95.75	1,251.6	0.03
96.00	1,295.3	0.03
96.25	1,339.4	0.03
96.50	1,384.1	0.03
96.75	1,429.2	0.03
97.00	1,474.9	0.03
97.25	1,521.1	0.04
97.50	1,567.7	0.04
97.75	1,614.9	0.04
98.00	1,662.6	0.04

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB19
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate 1.0000 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.50 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Output Increment	0.050
Maximum Storage	
Time to Peak (hours)	12.250
Elevation (ft)	96.37
Volume (ft³)	1,431.000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.150	3.31	0.000
Infiltration...	12.250	0.00	0.006
Pond Outflow...	12.300	3.16	22.900

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	18,724,000	Forward	0.000
Infiltration...	0.000	Reverse	1,939,000
Pond Outflow...	0.000	Reverse	16,796,000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	18,724,000 ft³
Volume (Total Out ICPM)	18,735,000 ft³
Volume (Ending)	0.000 ft³
Elevation (Ending Difference)	94.50 ft -11.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.1 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB19
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	1.0000 in/h

Initial Conditions				Calculation Tolerances	
Elevation (Starting Water Surface Computed)	94.50	ft		Flow Tolerance (Minimum)	0.000
Volume (Starting)	0.000	ft³		Maximum Iterations	35
Infiltration (Starting ICPM)	0.00	ft³/s		ICPM Time Step	0.050
Outflow (Starting)	0.00	ft³/s		Output Increment	0.050

Time to Peak (hours)	Elevation (ft)	Volume (ft³)
12.250	97.13	2,051,000

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.150	10.03	0.000
Infiltration...	12.250	0.00	0.000
Pond Outflow...	12.200	8.69	0.000

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	39,199,000	Forward	0.000
Infiltration...	0.000	Reverse	2,292,000
Pond Outflow...	0.000	Reverse	36,907,000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	39,199,000 ft³
Volume (Total Out ICPM)	39,199,000 ft³
Volume (Ending)	0.000 ft³
Elevation (Ending)	94.50 ft
Difference	-1.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB19 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.50	1,040.8	0.00
94.75	1,081.9	0.03
95.00	1,123.6	0.03
95.03	1,128.6	0.03
95.25	1,165.7	0.03
95.50	1,208.4	0.03
95.75	1,251.6	0.03
96.00	1,295.3	0.03
96.25	1,339.4	0.03
96.50	1,384.1	0.03
96.75	1,429.2	0.03
97.00	1,474.9	0.03
97.25	1,521.1	0.04
97.50	1,567.7	0.04
97.75	1,614.9	0.04
98.00	1,662.6	0.04

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB19
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.50 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Output Increment	0.050
Maximum Storage	
Time to Peak (hours)	12.150
Elevation (ft)	97.82
Volume (ft³)	2,509,000

Forward Flow Peaks	
Time to Peak (hours)	12.150
Flow (Peak) (ft³/s)	24.62
Reverse Flow Peaks	
Time to Peak (hours)	0.000
Flow (Peak) (ft³/s)	0.00

Pond Inflow....	
Infiltration...	12.150
Pond Outflow...	12.150
Total Volume In	
Volume (ft³)	92,315,000
Total Volume Out	
Volume (ft³)	92,315,000
Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	92,315,000 ft³
Volume (Total Out ICPM)	92,338,000 ft³
Volume (Ending)	0.000 ft³
Elevation (Ending)	94.50 ft
Difference	-22,000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB2
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	85.25 ft
Volume (Starting)	0.000 ft³
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Maximum Storage	
Time to Peak (hours)	12.150
Elevation (ft)	87.09
Volume (ft³)	4,219,000

Forward Flow Peaks	
Time to Peak (hours)	12.100
Flow (Peak) (ft³/s)	6.12
Reverse Flow Peaks	
Time to Peak (hours)	0.000
Flow (Peak) (ft³/s)	0.00

Pond Inflow....	
Infiltration...	12.100
Pond Outflow...	12.150
Total Volume In	
Volume (ft³)	21,269,000
Total Volume Out	
Volume (ft³)	21,269,000
Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	21,269,000 ft³
Volume (Total Out ICPM)	19,064,000 ft³
Volume (Ending)	2,206,000 ft³
Elevation (Ending)	86.25 ft
Difference	0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB2
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	85.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

	Time to Peak (hours)	Elevation (ft)	Maximum Storage Volume (ft³)	
	12.100	87.38	4,753.000	
	Forward Flow Peaks			
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.100	11.09	0.000	0.00
Pond Outflow....	12.100	9.17	0.000	0.00

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	39,004.000	Forward	Reverse
Pond Outflow...	0.000	Reverse	Forward
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	39,004.000 ft ³		
Volume (Total Out ICPM)	36,798.000 ft ³		
Volume (Ending)	2,206.000 ft ³		
Elevation (Ending)	86.25 ft		
Difference	0.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB2
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	85.25 ft
Volume (Starting)	0.000 ft ³
Outflow (Starting)	0.00 ft ³ /s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

	Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft ³)	
	12.050		87.58		5,152.000	
	Forward Flow Peaks					
	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)		
Pond Inflow....	12.100	24.78	0.000	0.00	0.00	
Pond Outflow....	12.050	13.43	0.000	0.00	0.00	

Total Volume In		Total Volume Out	
Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	83,521.000	Forward	Reverse
Pond Outflow...	0.000	Reverse	Forward
Mass Balance (ft ³)			
Volume (Initial ICPM)	0.000 ft ³		
Volume (Total In ICPM)	83,521.000 ft ³		
Volume (Total Out ICPM)	77,772.000 ft ³		
Volume (Ending)	2,206.000 ft ³		
Elevation (Ending)	86.25 ft		
Difference	3,543.000 ft ³		
Percent of Inflow Volume (Interconnected Pond Mass Balance)	4.2 %		

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB20 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
97.10	5,264.1	0.00
97.25	5,334.3	0.12
97.35	5,381.2	0.12
97.50	5,451.7	0.13
97.60	5,498.9	0.13
97.72	5,555.5	0.13
97.75	5,569.6	0.13
97.85	5,617.0	0.13
98.00	5,688.1	0.13
98.10	5,735.6	0.13
98.35	5,854.7	0.14
98.60	5,974.3	0.14
98.80	6,070.4	0.14
98.85	6,094.4	0.14
99.10	6,215.0	0.14
99.35	6,336.1	0.15
99.60	6,457.8	0.15
99.85	6,579.9	0.15
100.10	6,702.5	0.16
100.35	6,825.6	0.16
100.60	6,949.2	0.16

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB20
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate 1.0000 in/h			
Infiltration Rate (Average)				
Initial Conditions		Calculation Tolerances		
Elevation (Starting Water Surface Computed)	97.10	ft	Flow Tolerance (Minimum)	0.000
Volume (Starting)	0.000	ft³	Maximum Iterations	35
Infiltration (Starting ICPM)	0.000	ft³/s	ICPM Time Step	0.050
Outflow (Starting)	0.000	ft³/s	Output Increment	0.050
			hours	hours

Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)
12.250	98.89	6,788.000

Time to Peak (hours)	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.100	6.73	0.000	0.00
Infiltration...	12.250	0.00	0.000	0.00
Pond Outflow...	12.250	2.71	0.000	0.00

Volume (ft³)	Total Volume In		Total Volume Out	
	Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	23,933.000	Forward	0.000	Reverse
Infiltration...	0.000	Reverse	9,858.000	Forward
Pond Outflow...	0.000	Reverse	14,076.000	Forward

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	23,933.000 ft³
Volume (Total Out ICPM)	23,933.000 ft³
Volume (Ending)	0.000 ft³
Elevation (Ending) Difference	97.10 ft
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB20
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
1.0000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	97.10 ft
Volume (Starting)	0.000 ft³
Infiltration (Starting ICPM)	0.00 ft³/s
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Output Increment	0.050

Time to Peak (hours)		Elevation (ft)		Maximum Storage Volume (ft³)	
12.150		100.06		11,061.000	
Forward Flow Peaks		Reverse Flow Peaks		Time to Peak	
Time to Peak (hours)		Flow (Peak) (ft³/s)		Flow (Peak) (ft³/s)	
12.100		25.89		0.000	
12.150		0.00		0.00	
12.150		20.62		0.00	
Total Volume In		Total Volume Out		Direction	
Volume (ft³)		Volume (ft³)		Direction	
89,047.000		Forward		Reverse	
0.000		Reverse		Forward	
0.000		Reverse		Forward	

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	89,047.000 ft³
Volume (Total Out ICPM)	89,047.000 ft³
Volume (Ending)	0.000 ft³
Elevation (Ending)	97.10 ft
Difference	0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB21
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft²/s)
98.00	0.00	0.000	0.000	0.00	0.00	0.00
98.25	0.00	72.016	0.000	0.00	0.00	0.80
98.50	0.00	146.982	0.000	0.00	0.00	1.63
98.75	0.28	296.256	0.000	0.00	0.28	3.57
99.00	0.80	446.716	0.000	0.00	0.80	5.76
99.25	1.46	597.444	0.000	0.00	1.46	8.10
99.50	2.25	748.040	0.000	0.00	2.25	10.56
99.75	3.14	897.532	0.000	0.00	3.14	13.12
100.00	4.13	1,045.357	0.000	0.00	4.13	15.75
100.25	5.21	1,189.844	0.000	0.00	5.21	18.43
100.50	6.36	1,329.531	0.000	0.00	6.36	21.14
100.75	7.59	1,459.032	0.000	0.00	7.59	23.81
101.00	8.89	1,573.971	0.000	0.00	8.89	26.38
101.25	10.26	1,686.181	0.000	0.00	10.26	29.00
101.50	11.69	1,801.917	0.000	0.00	11.69	31.71

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB21 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.12 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.80 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	99.36 ft
Volume (Peak)	661.489 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,131.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	6,984.000 ft³
Volume (Retained)	147.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB21 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.71 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.24 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	99.77 ft
Volume (Peak)	911.358 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	12,572.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	12,425.000 ft³
Volume (Retained)	147.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB21 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	98.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.60 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	6.79 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	100.59 ft
Volume (Peak)	1,376.459 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	25,963.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	25,816.000 ft³
Volume (Retained)	147.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB21 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB21'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA21 Perv
<Catchment to Outflow Node>	DA21 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA21 Perv	636.256	12.100	0.18
Flow (From)	DA21 Imp	6,495.143	12.100	1.94
Flow (In)	UGB21	7,131.399	12.100	2.12

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB21 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB21'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA21 Perv	
<Catchment to Outflow Node>		DA21 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA21 Perv	1,781,229	12.100	0.58
Flow (From)	DA21 Imp	10,790,550	12.100	3.14
Flow (In)	UGB21	12,571,779	12.100	3.71

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB21 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB21'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA21 Perv	
<Catchment to Outflow Node>		DA21 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA21 Perv	5,228,343	12.100	1.73
Flow (From)	DA21 Imp	20,734,543	12.100	5.87
Flow (In)	UGB21	25,962,887	12.100	7.60

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB22 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
107.00	0.00	0.000	0.000	0.00	0.00	0.00
107.25	0.00	1,021.552	0.000	0.00	0.00	11.35
107.50	0.00	2,043.104	0.000	0.00	0.00	22.70
107.75	0.00	4,209.505	0.000	0.00	0.00	46.77
108.00	0.00	6,345.925	0.000	0.00	0.00	70.51
108.25	0.56	8,432.666	0.000	0.00	0.56	94.26
108.50	1.59	10,466.631	0.000	0.00	1.59	117.89
108.75	2.92	12,427.130	0.000	0.00	2.92	141.00
109.00	4.50	14,308.589	0.000	0.00	4.50	163.48
109.25	6.29	16,078.920	0.000	0.00	6.29	184.94
109.50	8.27	17,718.177	0.000	0.00	8.27	205.14
109.75	10.42	19,134.313	0.000	0.00	10.42	223.02
110.00	12.73	20,260.550	0.000	0.00	12.73	237.85
110.25	15.19	21,282.102	0.000	0.00	15.19	251.66
110.50	17.79	22,303.654	0.000	0.00	17.79	265.61

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB22 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.82 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.29 ft³/s	Time to Peak (Flow, Outlet)	13.250 hours
Elevation (Water Surface, Peak)	108.13 ft		
Volume (Peak)	7,442,715 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	11,795,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	5,449,000 ft³		
Volume (Retained)	6,346,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB22 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.76 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.65 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours

Elevation (Water Surface, Peak)	108.51 ft
Volume (Peak)	10,552.171 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	21,022.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	14,676.000 ft³
Volume (Retained)	6,346.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB22 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	13.90 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	6.58 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	109.29 ft
Volume (Peak)	16,332.400 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	43,841.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	37,495.000 ft³
Volume (Retained)	6,346.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB22 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB22'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA22 Perv	
<Catchment to Outflow Node>		DA22 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA22 Perv	1,422,650	12.100	0.51
Flow (From)	DA22 Imp	10,372,358	12.100	3.31
Flow (In)	UGB22	11,795,008	12.100	3.82

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB22 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB22'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA22 Perv	
<Catchment to Outflow Node>		DA22 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA22 Perv	3,793,108	12.100	1.43
Flow (From)	DA22 Imp	17,226,746	12.100	5.34
Flow (In)	UGB22	21,021,854	12.100	6.76

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB22 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB22'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA22 Perv	
<Catchment to Outflow Node>		DA22 Imp	

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA22 Perv	10,738,646	12.100	3.93
Flow (From)	DA22 Imp	33,102,220	12.100	9.97
Flow (In)	UGB22	43,840,867	12.100	13.90

Node Inflows

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB27
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
99.00	0.00	0.000	0.051	0.00	0.00	0.00
99.25	0.00	226.411	0.053	0.03	0.03	2.54
99.50	0.00	459.077	0.054	0.03	0.03	5.13
99.75	0.00	935.435	0.056	0.03	0.03	10.42
100.00	0.20	1,411.941	0.057	0.03	0.23	15.92
100.25	0.76	1,885.100	0.059	0.03	0.79	21.74
100.50	1.59	2,353.786	0.060	0.03	1.62	27.77
100.75	2.67	2,814.308	0.062	0.03	2.70	33.97
101.00	3.27	3,265.020	0.063	0.03	3.31	39.58
101.25	3.78	3,695.879	0.065	0.03	3.81	44.92
101.50	4.23	4,114.257	0.067	0.03	4.26	49.97
101.75	4.63	4,489.716	0.068	0.03	4.66	54.55
102.00	5.00	4,811.931	0.070	0.04	5.04	58.50
102.25	5.35	5,119.834	0.071	0.04	5.38	62.27
102.50	5.67	5,434.568	0.073	0.04	5.71	66.09

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB27 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
99.00	2,230.4	0.00
99.25	2,295.3	0.03
99.50	2,360.7	0.03
99.75	2,426.6	0.03
100.00	2,493.0	0.03
100.25	2,559.9	0.03
100.50	2,627.3	0.03
100.75	2,695.2	0.03
101.00	2,763.6	0.03
101.25	2,832.5	0.03
101.50	2,901.9	0.03
101.75	2,971.8	0.03
102.00	3,042.2	0.04
102.25	3,113.1	0.04
102.50	3,184.5	0.04

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB27 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.59000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	99.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	3.13 ft³/s	T
Infiltration (Peak)	0.03 ft³/s	T
Flow (Peak Outlet)	2.05 ft³/s	T
Elevation (Water Surface, Peak)	100.61 ft	
Volume (Peak)	2,550.448 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	10,247.000 ft³	
Volume (Total Infiltration)	3,008.000 ft³	
Volume (Total Outlet Outflow)	7,239.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB27 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	4.99 ft³/s
Infiltration (Peak)	0.03 ft³/s
Flow (Peak Outlet)	3.21 ft³/s
	Time to Peak (Flow, In)
	Time to Peak (Infiltration)
	Time to Peak (Flow, Outlet)
	12.100 hours
	12.150 hours
	12.150 hours
Elevation (Water Surface, Peak)	
Volume (Peak)	100.97 ft
	3,218.640 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	16,637.000 ft³
Volume (Total Infiltration)	3,195.000 ft³
Volume (Total Outlet Outflow)	13,442.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB27 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
99.00	2,230.4	0.00
99.25	2,295.3	0.03
99.50	2,360.7	0.03
99.75	2,426.6	0.03
100.00	2,493.0	0.03
100.25	2,559.9	0.03
100.50	2,627.3	0.03
100.75	2,695.2	0.03
101.00	2,763.6	0.03
101.25	2,832.5	0.03
101.50	2,901.9	0.03
101.75	2,971.8	0.03
102.00	3,042.2	0.04
102.25	3,113.1	0.04
102.50	3,184.5	0.04

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB27 (IN)
Scenario: 100YR Projected

Storm Event: 100yr Projected NOAA D
Return Event: 100 years

Infiltration	
Infiltration Method (Computed)	Average
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	9.27 ft³/s	Time to Peak (Flow, In)	12.050 hours
Infiltration (Peak)	0.04 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	5.32 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)		102.23 ft
Volume (Peak)		5,098.970 ft³
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	31,387.000 ft³	
Volume (Total Infiltration)	3,379.000 ft³	
Volume (Total Outlet Outflow)	28,007.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB27 (IN)
Scenario: 2YR Projected

Storm Event: 2yr Projected NOAA D
Return Event: 2 years

Upstream Link		Upstream Node
<Catchment to Outflow Node>		DA27
Node Inflows		
Inflow Type	Element	Volume (ft³)
Flow (From)	DA27	10,246.881
Flow (In)	UGB27	10,246.881
		Time to Peak (hours)
		12.100
		Flow (Peak) (ft³/s)
		3.13
		3.13

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB27 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB27'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA27

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA27	16,637.114	12.100	4.99
Flow (In)	UGB27	16,637.114	12.100	4.99

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB27 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB27'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA27

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA27	31,387.080	12.050	9.27
Flow (In)	UGB27	31,387.080	12.050	9.27

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB3 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
85.50	0.00	0.000	0.000	0.00	0.00	0.00
85.60	0.06	56.492	0.020	0.01	0.07	0.69
85.70	0.17	158.560	0.028	0.01	0.19	1.95
85.80	0.33	289.024	0.034	0.02	0.35	3.56
85.90	0.51	441.453	0.040	0.02	0.53	5.44
86.00	0.74	611.971	0.045	0.02	0.76	7.56
86.10	0.99	797.847	0.049	0.02	1.01	9.88
86.20	1.30	996.988	0.054	0.03	1.33	12.41
86.30	1.56	1,207.697	0.057	0.03	1.59	15.01
86.40	1.88	1,428.547	0.061	0.03	1.91	17.78
86.50	2.21	1,658.299	0.065	0.03	2.24	20.67
86.60	2.56	1,895.854	0.068	0.03	2.60	23.66
86.70	2.94	2,140.218	0.072	0.04	2.97	26.75
86.80	3.32	2,390.480	0.075	0.04	3.36	29.92
86.90	3.73	2,645.789	0.078	0.04	3.77	33.17
87.00	4.15	2,905.347	0.082	0.04	4.19	36.47
87.10	4.58	3,168.394	0.085	0.04	4.62	39.83
87.20	5.03	3,434.198	0.088	0.04	5.07	43.23
87.30	5.49	3,702.051	0.091	0.05	5.54	46.67
87.40	5.97	3,971.263	0.094	0.05	6.02	50.14
87.50	6.46	4,241.150	0.097	0.05	6.51	53.63
87.60	6.96	4,511.038	0.100	0.05	7.01	57.13
87.70	7.47	4,780.249	0.104	0.05	7.52	60.64
87.80	8.00	5,048.102	0.107	0.05	8.05	64.14
87.90	8.53	5,313.906	0.110	0.06	8.59	67.63
88.00	9.08	5,576.953	0.113	0.06	9.14	71.10
88.10	9.69	5,836.511	0.116	0.06	9.75	74.60
88.20	10.21	6,091.821	0.120	0.06	10.27	77.95

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB3 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
88.30	10.78	6,342.082	0.123	0.06	10.85	81.31
88.40	11.37	6,586.446	0.126	0.06	11.44	84.62
88.50	11.97	6,824.001	0.130	0.07	12.04	87.86
88.60	12.58	7,053.753	0.133	0.07	12.64	91.02
88.70	13.19	7,274.603	0.137	0.07	13.26	94.09
88.80	13.82	7,485.313	0.141	0.07	13.89	97.06
88.90	14.45	7,684.453	0.145	0.07	14.52	99.90
89.00	15.09	7,870.329	0.150	0.08	15.16	102.61
89.10	15.73	8,040.847	0.155	0.08	15.81	105.15
89.20	16.38	8,193.277	0.160	0.08	16.46	107.50
89.30	17.04	8,323.740	0.167	0.08	17.12	109.61
89.40	17.70	8,425.808	0.175	0.09	17.78	111.40
89.50	18.36	8,482.300	0.195	0.10	18.46	112.70

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB3 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.50	0.0	0.00
85.60	857.4	0.01
85.70	1,217.8	0.01
85.80	1,498.0	0.02
85.90	1,737.5	0.02
86.00	1,951.4	0.02
86.10	2,147.6	0.02
86.20	2,330.7	0.03
86.30	2,503.7	0.03
86.40	2,668.8	0.03
86.50	2,827.4	0.03
86.60	2,980.9	0.03
86.70	3,130.1	0.04
86.80	3,275.7	0.04
86.90	3,418.5	0.04
87.00	3,558.9	0.04
87.10	3,697.5	0.04
87.20	3,834.6	0.04
87.30	3,970.7	0.05
87.40	4,106.1	0.05
87.50	4,241.2	0.05
87.60	4,376.2	0.05
87.70	4,511.6	0.05
87.80	4,647.7	0.05
87.90	4,784.8	0.06
88.00	4,923.4	0.06
88.10	5,063.8	0.06
88.20	5,206.6	0.06
88.30	5,352.2	0.06
88.40	5,501.4	0.06
88.50	5,654.9	0.07
88.60	5,813.5	0.07
88.70	5,978.6	0.07
88.80	6,151.6	0.07
88.90	6,334.7	0.07
89.00	6,530.9	0.08
89.10	6,744.8	0.08
89.20	6,984.3	0.08
89.30	7,264.5	0.08
89.40	7,624.9	0.09
89.50	8,462.3	0.10

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB3 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.5900 m/h	
Initial Conditions		
Elevation (Water Surface, Initial)	85.50 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	0.82 ft³/s	
Infiltration (Peak)	0.02 ft³/s	
Flow (Peak Outlet)	0.64 ft³/s	
Elevation (Water Surface, Peak)		85.96 ft
Volume (Peak)	537.194 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	28,363.000 ft³	
Volume (Total Infiltration)	1,362.000 ft³	
Volume (Total Outlet Outflow)	27,001.000 ft³	
Volume (Retained)	0.000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB3 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	3.56 ft³/s
Infiltration (Peak)	0.04 ft³/s
Flow (Peak Outlet)	2.94 ft³/s
Time to Peak (Flow, In)	
Time to Peak (Infiltration)	
Time to Peak (Flow, Outlet)	
12,200 hours	
14,100 hours	
14,100 hours	
Elevation (Water Surface, Peak)	
Volume (Peak)	86.70 ft
2,142,120 ft³	
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	84,010,000 ft³
Volume (Total Infiltration)	2,189,000 ft³
Volume (Total Outlet Outflow)	81,821,000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB3 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.50	0.0	0.00
85.60	857.4	0.01
85.70	1,217.8	0.01
85.80	1,498.0	0.02
85.90	1,737.5	0.02
86.00	1,951.4	0.02
86.10	2,147.6	0.02
86.20	2,330.7	0.03
86.30	2,503.7	0.03
86.40	2,668.8	0.03
86.50	2,827.4	0.03
86.60	2,980.9	0.03
86.70	3,130.1	0.04
86.80	3,275.7	0.04
86.90	3,418.5	0.04
87.00	3,558.9	0.04
87.10	3,697.5	0.04
87.20	3,834.6	0.04
87.30	3,970.7	0.05
87.40	4,106.1	0.05
87.50	4,241.2	0.05
87.60	4,376.2	0.05
87.70	4,511.6	0.05
87.80	4,647.7	0.05
87.90	4,784.8	0.06
88.00	4,923.4	0.06
88.10	5,063.8	0.06
88.20	5,206.6	0.06
88.30	5,352.2	0.06
88.40	5,501.4	0.06
88.50	5,654.9	0.07
88.60	5,813.5	0.07
88.70	5,978.6	0.07
88.80	6,151.6	0.07
88.90	6,334.7	0.07
89.00	6,530.9	0.08
89.10	6,744.8	0.08
89.20	6,984.3	0.08
89.30	7,264.5	0.08
89.40	7,624.9	0.09
89.50	8,482.3	0.10

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB3 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	(N/A) ft³/s	Time to Peak (Flow, In)	(N/A) hours
Infiltration (Peak)	(N/A) ft³/s	Time to Peak (Infiltration)	(N/A) hours
Flow (Peak Outlet)	(N/A) ft³/s	Time to Peak (Flow, Outlet)	(N/A) hours

Elevation (Water Surface, Peak)	
Volume (Peak)	(N/A) ft
Volume (Peak)	(N/A) ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	(N/A) ft³
Volume (Total Infiltration)	(N/A) ft³
Volume (Total Outlet Outflow)	(N/A) ft³
Volume (Retained)	(N/A) ft³
Volume (Unrouted)	(N/A) ft³
Error (Mass Balance)	(N/A) %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB3 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB3'

Upstream Link		Upstream Node
Out35		Bio35
Out51		Bio51

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out35	24,015,179	17,900	0.46
Flow (From)	Out51	4,347,414	12,350	0.82
Flow (In)	UGB3	28,362,593	12,350	0.82

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB3 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB3'

Upstream Link		Upstream Node	
Out35		Bio35	
Out51		Bio51	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out35	70,047.793	14.050	2.60
Flow (From)	Out51	13,962.144	12.200	3.40
Flow (In)	UGB3	84,009.937	12.200	3.56

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB3 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB3'

Upstream Link		Upstream Node	
Out35		Bio35	
Out51		Bio51	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Out35	191,293.227	12.500	19.79
Flow (From)	Out51	40,306.737	12.200	9.03
Flow (In)	UGB3	231,599.964	12.450	24.53

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB31
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
92.60	0.00	0.000	0.000	0.00	0.00	0.00
92.85	0.00	330.018	0.000	0.00	0.00	3.67
93.10	0.00	666.747	0.000	0.00	0.00	7.41
93.35	0.19	1,366.095	0.000	0.00	0.19	15.36
93.60	0.68	2,062.945	0.000	0.00	0.68	23.60
93.85	1.38	2,751.803	0.000	0.00	1.38	31.95
94.10	2.00	3,431.184	0.000	0.00	2.00	40.13
94.35	2.40	4,095.296	0.000	0.00	2.40	47.90
94.60	2.73	4,741.876	0.000	0.00	2.73	55.42
94.85	3.03	5,361.602	0.000	0.00	3.03	62.60
95.10	3.30	5,947.744	0.000	0.00	3.30	69.39
95.35	3.55	6,472.379	0.000	0.00	3.55	75.47
95.60	3.79	6,914.236	0.000	0.00	3.79	80.61
95.85	4.01	7,331.446	0.000	0.00	4.01	85.47
96.10	4.22	7,755.943	0.000	0.00	4.22	90.40

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB31 (1IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.35 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.67 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours
Elevation (Water Surface, Peak)	93.97 ft		
Volume (Peak)	3,074.470 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	11,070.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	10,404.000 ft³		
Volume (Retained)	667.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB31 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.36 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.48 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	94.41 ft
Volume (Peak)	4,261.996 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	18,115.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	17,449.000 ft³
Volume (Retained)	667.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB31 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	92.60 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	9.98 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	4.01 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	95.85 ft
Volume (Peak)	7,323.532 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	34,390.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	33,723.000 ft³
Volume (Retained)	667.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB31 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB31'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA31 Perv	
<Catchment to Outflow Node>		DA31 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA31 Perv	3,592,378	12.100	1.03
Flow (From)	DA31 Imp	7,478,035	12.100	2.32
Flow (In)	UGB31	11,070,412	12.100	3.35

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB31 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB31'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA31 Perv	
<Catchment to Outflow Node>		DA31 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA31 Perv	5,833,176	12.100	1.64
Flow (From)	DA31 Imp	12,282,166	12.100	3.73
Flow (In)	UGB31	18,115,342	12.100	5.36

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB31 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB31'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA31 Perv
<Catchment to Outflow Node>	DA31 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA31 Perv	11,005.159	12.100	3.04
Flow (From)	DA31 Imp	23,384.607	12.100	6.94
Flow (In)	UGB31	34,389.766	12.100	9.98

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB32
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration
Infiltration Method (Computed)
No Infiltration
Initial Conditions
Elevation (Water Surface, Initial)
109.75 ft
Volume (Initial)
0.000 ft³
Flow (Initial Outlet)
0.00 ft³/s
Flow (Initial Infiltration)
0.00 ft³/s
Flow (Initial, Total)
0.00 ft³/s
Time Increment
0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
109.75	0.00	0.000	0.000	0.00	0.00	0.00
110.00	0.00	1,028.256	0.000	0.00	0.00	11.43
110.25	0.00	2,068.919	0.000	0.00	0.00	22.99
110.50	0.00	4,267.923	0.000	0.00	0.00	47.42
110.75	0.56	6,449.450	0.000	0.00	0.56	72.22
111.00	1.59	8,594.895	0.000	0.00	1.59	97.09
111.25	2.92	10,700.163	0.000	0.00	2.92	121.81
111.50	4.50	12,745.666	0.000	0.00	4.50	146.12
111.75	6.29	14,724.823	0.000	0.00	6.29	169.90
112.00	8.27	16,606.658	0.000	0.00	8.27	192.79
112.25	10.42	18,370.211	0.000	0.00	10.42	214.53
112.50	12.73	19,924.550	0.000	0.00	12.73	234.11
112.75	15.19	21,201.878	0.000	0.00	15.19	250.76
113.00	17.79	22,388.534	0.000	0.00	17.79	266.55
113.25	20.52	23,588.173	0.000	0.00	20.52	282.61

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB32 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	9.41 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.78 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	111.39 ft
Volume (Peak)	11,825.124 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	30,013.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	25,745.000 ft³
Volume (Retained)	4,268.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB32 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	15.38 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	7.30 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	111.88 ft
Volume (Peak)	15,696.484 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	49,995.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	45,727.000 ft³
Volume (Retained)	4,268.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB32 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	29.29 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	18.02 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	113.02 ft
Volume (Peak)	22,489,297 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	96,941.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	92,673.000 ft³
Volume (Retained)	4,268.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB32 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB32'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA32 Imp
<Catchment to Outflow Node>	DA32 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA32 Imp	29,401.938	12.100	9.20
Flow (From)	DA32 Perv	610.849	12.100	0.21
Flow (In)	UGB32	30,012.787	12.100	9.41

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB32 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB32'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA32 Imp	
<Catchment to Outflow Node>		DA32 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA32 Imp	48,287,380	12.100	14.75
Flow (From)	DA32 Perv	1,707,762	12.100	0.64
Flow (In)	UGB32	49,995,142	12.100	15.38

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB32 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB32'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA32 Imp	
<Catchment to Outflow Node>		DA32 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA32 Imp	91,933,109	12.100	27.46
Flow (From)	DA32 Perv	5,007,454	12.100	1.84
Flow (In)	UGB32	96,940,563	12.100	29.29

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB33 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
105.82	0.00	0.000	0.000	0.00	0.00	0.00
106.07	0.00	226.411	0.000	0.00	0.00	2.52
106.32	0.00	459.077	0.000	0.00	0.00	5.10
106.40	0.00	611.279	0.000	0.00	0.00	6.79
106.57	0.32	935.435	0.000	0.00	0.32	10.71
106.82	1.22	1,411.941	0.000	0.00	1.22	16.91
107.07	2.47	1,885.100	0.000	0.00	2.47	23.41
107.32	3.97	2,353.786	0.000	0.00	3.97	30.12
107.57	5.69	2,814.308	0.000	0.00	5.69	36.97
107.82	7.61	3,265.020	0.000	0.00	7.61	43.89
108.07	9.71	3,699.879	0.000	0.00	9.71	50.82
108.32	11.97	4,114.257	0.000	0.00	11.97	57.69
108.57	14.38	4,489.716	0.000	0.00	14.38	64.27
108.82	16.94	4,811.931	0.000	0.00	16.94	70.41
109.07	19.63	5,119.834	0.000	0.00	19.63	76.52
109.32	22.45	5,434.568	0.000	0.00	22.45	82.84

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB33 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.23 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	4.57 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours
Elevation (Water Surface, Peak)	107.41 ft		
Volume (Peak)	2,515,580 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	34,598,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	33,987,000 ft³		
Volume (Retained)	611,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB33 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	9.98 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	8.99 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	107.98 ft
Volume (Peak)	3,553.231 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	61,397.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	60,786.000 ft³
Volume (Retained)	611.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB33 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	105.82 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	23.49 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	22.34 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	109.31 ft
Volume (Peak)	5,421.237 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	124,854.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	124,242.000 ft³
Volume (Retained)	611.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB33 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB33'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA33 Perv	
Out32		UGB32	
Out34		UGB34	
<Catchment to Outflow Node>		DA33 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA33 Perv	249,608	12.100	0.08
Flow (From)	Out32	25,744,863	12.150	3.78
Flow (From)	Out34	4,079,338	12.250	0.47
Flow (From)	DA33 Imp	4,524,172	12.100	1.38
Flow (In)	UGB33	34,597,981	12.100	5.23

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB33 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB33'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA33 Perv	
Out32		UGB32	
Out34		UGB34	
<Catchment to Outflow Node>		DA33 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA33 Perv	698,134	12.100	0.26
Flow (From)	Out32	45,727,218	12.150	7.30
Flow (From)	Out34	7,625,761	12.150	1.03
Flow (From)	DA33 Imp	7,346,013	12.100	2.20
Flow (In)	UGB33	61,397,125	12.100	9.98

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB33 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB33'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA33 Perv	
Out32		UGB32	
Out34		UGB34	
<Catchment to Outflow Node>		DA33 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA33 Perv	2,047,711	12.100	0.75
Flow (From)	Out32	92,672,639	12.150	18.02
Flow (From)	Out34	16,274,187	12.200	1.88
Flow (From)	DA33 Imp	13,859,173	12.100	4.09
Flow (In)	UGB33	124,853,711	12.100	23.49

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB34
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
109.50	0.00	0.000	0.000	0.00	0.00	0.00
109.75	0.00	391.888	0.000	0.00	0.00	4.35
110.00	0.00	793.495	0.000	0.00	0.00	8.82
110.25	0.16	1,583.242	0.000	0.00	0.16	17.75
110.50	0.58	2,349.867	0.000	0.00	0.58	26.69
110.75	1.08	3,074.183	0.000	0.00	1.08	35.24
111.00	1.37	3,740.357	0.000	0.00	1.37	42.93
111.25	1.61	4,278.202	0.000	0.00	1.61	49.14
111.50	1.81	4,749.415	0.000	0.00	1.81	54.59
111.75	2.00	5,223.702	0.000	0.00	2.00	60.04
111.83	2.06	5,383.854	0.000	0.00	2.06	61.88

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB34 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.53 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.47 ft³/s	Time to Peak (Flow, Outlet)	12.250 hours

Elevation (Water Surface, Peak)	110.44 ft
Volume (Peak)	2,153.684 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	4,873.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	4,079.000 ft³
Volume (Retained)	793.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB34 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.63 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.03 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	110.72 ft
Volume (Peak)	3,003.582 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	8,419.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,626.000 ft³
Volume (Retained)	793.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB34 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	109.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.28 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.88 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	111.59 ft
Volume (Peak)	4,922.295 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	17,068.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	16,274.000 ft³
Volume (Retained)	793.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB34 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB34'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA34 Perv
<Catchment to Outflow Node>	DA34 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA34 Perv	359.996	12.100	0.12
Flow (From)	DA34 Imp	4,512.837	12.100	1.41
Flow (In)	UGB34	4,872.833	12.100	1.53

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB34 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB34'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA34 Perv	
<Catchment to Outflow Node>		DA34 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA34 Perv	1,007,429	12.100	0.37
Flow (From)	DA34 Imp	7,411,827	12.100	2.26
Flow (In)	UGB34	8,419,256	12.100	2.63

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB34 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB34'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA34 Perv	
<Catchment to Outflow Node>		DA34 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA34 Perv	2,956,158	12.100	1.08
Flow (From)	DA34 Imp	14,111,523	12.100	4.20
Flow (In)	UGB34	17,067,681	12.100	5.28

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB37 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
103.50	0.00	0.000	0.000	0.00	0.00	0.00
103.75	0.00	226.411	0.000	0.00	0.00	2.52
104.00	0.00	459.077	0.000	0.00	0.00	5.10
104.25	0.00	935.435	0.000	0.00	0.00	10.39
104.50	0.00	1,411.941	0.000	0.00	0.00	15.69
104.75	0.38	1,885.100	0.000	0.00	0.38	21.32
105.00	1.06	2,353.786	0.000	0.00	1.06	27.21
105.25	1.95	2,814.308	0.000	0.00	1.95	33.22
105.50	3.00	3,265.020	0.000	0.00	3.00	39.28
105.75	4.19	3,699.879	0.000	0.00	4.19	45.30
106.00	5.51	4,114.257	0.000	0.00	5.51	51.23
106.25	6.95	4,489.716	0.000	0.00	6.95	56.83
106.50	8.49	4,811.931	0.000	0.00	8.49	61.95
106.75	10.13	5,119.834	0.000	0.00	10.13	67.01
107.00	11.86	5,434.568	0.000	0.00	11.86	72.24

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB37 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.53 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.78 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours
Elevation (Water Surface, Peak)	104.90 ft		
Volume (Peak)	2,164.537 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	5,011.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	3,599.000 ft³		
Volume (Retained)	1,412.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB37 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.67 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.71 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	105.18 ft
Volume (Peak)	2,691.601 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	8,806.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,394.000 ft³
Volume (Retained)	1,412.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB37 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.50 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.47 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.90 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	105.69 ft
Volume (Peak)	3,595.616 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	18,204.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	16,792.000 ft³
Volume (Retained)	1,412.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB37 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB37'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA37 Imp	
<Catchment to Outflow Node>		DA37 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA37 Imp	4,513.186	12.100	1.41
Flow (From)	DA37 Perv	498.035	12.150	0.13
Flow (In)	UGB37	5,011.221	12.100	1.53

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB37 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB37'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA37 Imp	
<Catchment to Outflow Node>		DA37 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA37 Imp	7,412.165	12.100	2.26
Flow (From)	DA37 Perv	1,394.216	12.100	0.41
Flow (In)	UGB37	8,806.381	12.100	2.67

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB37 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB37'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA37 Imp	
<Catchment to Outflow Node>		DA37 Perv	

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA37 Imp	14,111.913	12.100	4.21
Flow (From)	DA37 Perv	4,092.228	12.100	1.26
Flow (In)	UGB37	18,204.141	12.100	5.47

Node Inflows

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB4
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h

Initial Conditions	
Elevation (Water Surface, Initial)	85.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
85.10	0.00	0.000	0.092	0.00	0.00	0.00
85.35	0.00	405.316	0.094	0.05	0.05	4.55
85.60	0.00	817.457	0.095	0.05	0.05	9.13
85.85	0.00	1,679.191	0.097	0.05	0.05	18.71
86.10	0.00	2,536.268	0.099	0.05	0.05	28.23
86.35	0.38	3,381.707	0.100	0.05	0.43	38.00
86.60	1.06	4,213.780	0.102	0.05	1.11	47.93
86.85	1.95	5,025.134	0.104	0.05	2.00	57.84
87.10	3.00	5,813.075	0.106	0.05	3.05	67.64
87.35	4.19	6,565.855	0.107	0.05	4.25	77.20
87.60	5.51	7,275.221	0.109	0.05	5.57	86.40
87.85	6.95	7,906.278	0.111	0.06	7.00	94.85
88.10	8.49	8,432.679	0.112	0.06	8.54	102.24
88.35	10.13	8,926.615	0.114	0.06	10.18	109.37
88.60	11.86	9,427.952	0.116	0.06	11.92	116.67

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB4 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.10	4,016.4	0.00
85.35	4,087.2	0.05
85.60	4,158.5	0.05
85.85	4,230.4	0.05
86.10	4,302.7	0.05
86.35	4,375.6	0.05
86.60	4,448.9	0.05
86.85	4,522.7	0.05
87.10	4,597.1	0.05
87.35	4,671.9	0.05
87.60	4,747.3	0.05
87.85	4,823.1	0.06
88.10	4,899.4	0.06
88.35	4,976.3	0.06
88.60	5,053.6	0.06

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB4 (IN)
Scenario: 2YR Projected
Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	0.5000 m/h		
Initial Conditions			
Elevation (Water Surface, Initial)	85.10 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	3.57 ft³/s	T	
Infiltration (Peak)	0.05 ft³/s	T	
Flow (Peak Outlet)	1.26 ft³/s	T	
Elevation (Water Surface, Peak)	86.66 ft		
Volume (Peak)	4,394,340 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	11,166,000 ft³		
Volume (Total Infiltration)	5,662,000 ft³		
Volume (Total Outlet Outflow)	5,501,000 ft³		
Volume (Retained)	3.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB4 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	5.96 ft³/s
Infiltration (Peak)	0.05 ft³/s
Flow (Peak Outlet)	3.29 ft³/s
Time to Peak (Flow, In)	
Time to Peak (Infiltration)	
Time to Peak (Flow, Outlet)	
12.100 hours	
12.150 hours	
12.150 hours	
Elevation (Water Surface, Peak)	
Volume (Peak)	87.16 ft
5.998.743 ft³	
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	19,019.000 ft³
Volume (Total Infiltration)	6,121.000 ft³
Volume (Total Outlet Outflow)	12,895.000 ft³
Volume (Retained)	3.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB4 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
85.10	4,016.4	0.00
85.35	4,087.2	0.05
85.60	4,158.5	0.05
85.85	4,230.4	0.05
86.10	4,302.7	0.05
86.35	4,375.6	0.05
86.60	4,448.9	0.05
86.85	4,522.7	0.05
87.10	4,597.1	0.05
87.35	4,671.9	0.05
87.60	4,747.3	0.05
87.85	4,823.1	0.06
88.10	4,899.4	0.06
88.35	4,976.3	0.06
88.60	5,053.6	0.06

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB4 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	85.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	11.58 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.06 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	7.72 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	87.98 ft
Volume (Peak)	8,180,230 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	37,716,000 ft³
Volume (Total Infiltration)	6,557,000 ft³
Volume (Total Outlet Outflow)	31,146,000 ft³
Volume (Retained)	4,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB4 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB4'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA4 Imp	
<Catchment to Outflow Node>		DA4 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA4 Imp	10,746,841	12.100	3.43
Flow (From)	DA4 Perv	418,744	12.100	0.15
Flow (In)	UGB4	11,165,584	12.100	3.57

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB4 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB4'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA4 Imp	
<Catchment to Outflow Node>		DA4 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA4 Imp	17,850.264	12.100	5.52
Flow (From)	DA4 Perv	1,168.303	12.100	0.44
Flow (In)	UGB4	19,018.566	12.100	5.96

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB4 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB4'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA4 Imp	
<Catchment to Outflow Node>		DA4 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA4 Imp	34,295.836	12.100	10.32
Flow (From)	DA4 Perv	3,420.350	12.100	1.26
Flow (In)	UGB4	37,716.185	12.100	11.58

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB41 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
104.00	0.00	0.000	0.000	0.00	0.00	0.00
104.50	0.00	78.338	0.000	0.00	0.00	0.87
104.79	0.00	163.653	0.000	0.00	0.00	1.82
105.00	0.12	225.426	0.000	0.00	0.12	2.62
105.50	1.03	367.332	0.000	0.00	1.03	5.11
106.00	1.57	487.180	0.000	0.00	1.57	6.99
106.33	1.85	568.897	0.000	0.00	1.85	8.17

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB41 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	0.70 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.64 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours
Elevation (Water Surface, Peak)	105.29 ft		
Volume (Peak)	308,700 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	2,180,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	2,017,000 ft³		
Volume (Retained)	164,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB41 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.15 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.06 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	105.52 ft
Volume (Peak)	373.720 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	3,684.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	3,521.000 ft³
Volume (Retained)	164.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB41 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.21 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.85 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	106.33 ft
Volume (Peak)	568.612 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,235.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,072.000 ft³
Volume (Retained)	164.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB41 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB41'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA41 Imp	
<Catchment to Outflow Node>		DA41 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA41 Imp	2,124.376	12.100	0.68
Flow (From)	DA41 Perv	55.832	12.100	0.02
Flow (In)	UGB41	2,180.208	12.100	0.70

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB41 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB41'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA41 Imp	
<Catchment to Outflow Node>		DA41 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA41 Imp	3,528.541	12.100	1.09
Flow (From)	DA41 Perv	155.774	12.100	0.06
Flow (In)	UGB41	3,684.314	12.100	1.15

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB41 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB41'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA41 Imp	
<Catchment to Outflow Node>		DA41 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA41 Imp	6,779.409	12.100	2.04
Flow (From)	DA41 Perv	455.047	12.100	0.17
Flow (In)	UGB41	7,235.456	12.100	2.21

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB42
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
95.00 ft	
Volume (Initial)	
0.000 ft³	
Flow (Initial Outlet)	
0.00 ft³/s	
Flow (Initial Infiltration)	
0.00 ft³/s	
Flow (Initial, Total)	
0.00 ft³/s	
Time Increment	
0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
95.00	0.00	0.000	0.000	0.00	0.00	0.00
95.25	0.00	196.849	0.000	0.00	0.00	2.19
95.50	0.00	395.269	0.000	0.00	0.00	4.44
95.75	0.00	813.059	0.000	0.00	0.00	9.03
96.00	0.00	1,227.140	0.000	0.00	0.00	13.63
96.25	0.28	1,638.504	0.000	0.00	0.28	18.49
96.50	0.80	2,046.168	0.000	0.00	0.80	23.53
96.75	1.46	2,446.954	0.000	0.00	1.46	28.65
97.00	2.25	2,839.426	0.000	0.00	2.25	33.80
97.25	3.14	3,218.371	0.000	0.00	3.14	38.90
97.50	4.13	3,579.767	0.000	0.00	4.13	43.91
97.75	5.21	3,907.699	0.000	0.00	5.21	48.63
98.00	6.36	4,189.620	0.000	0.00	6.36	52.92
98.25	7.59	4,459.417	0.000	0.00	7.59	57.14
98.50	8.89	4,735.361	0.000	0.00	8.89	61.51

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB42 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	95.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.38 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.40 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	96.73 ft
Volume (Peak)	2,411.176 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,173.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	5,946.000 ft³
Volume (Retained)	1,227.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB42 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	95.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.19 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.78 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	97.15 ft
Volume (Peak)	3,065.567 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	12,862.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	11,634.000 ft³
Volume (Retained)	1,227.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB42 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	95.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	8.54 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	6.76 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	98.08 ft
Volume (Peak)	4,276.556 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	26,841.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	25,614.000 ft³
Volume (Retained)	1,227.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB42 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB42'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA42 Perv
<Catchment to Outflow Node>	DA42 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA42 Perv	611.302	12.100	0.21
Flow (From)	DA42 Imp	6,561.673	12.100	2.17
Flow (In)	UGB42	7,172.976	12.100	2.38

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB42 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB42'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA42 Perv	
<Catchment to Outflow Node>		DA42 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA42 Perv	1,708.615	12.100	0.64
Flow (From)	DA42 Imp	11,152.911	12.100	3.55
Flow (In)	UGB42	12,861.526	12.100	4.19

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB42 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB42'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA42 Perv	
<Catchment to Outflow Node>		DA42 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA42 Perv	5,008.989	12.100	1.84
Flow (From)	DA42 Imp	21,832.429	12.100	6.70
Flow (In)	UGB42	26,841.419	12.100	8.54

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB43 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)	98.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/r + O (ft³/s)
98.00	0.00	0.000	0.048	0.00	0.00	0.00
98.25	0.00	211.630	0.049	0.02	0.02	2.38
98.50	0.00	429.173	0.051	0.03	0.03	4.79
98.75	0.00	874.247	0.052	0.03	0.03	9.74
99.00	0.00	1,319.541	0.054	0.03	0.03	14.69
99.25	0.38	1,761.802	0.055	0.03	0.40	19.98
99.50	1.06	2,199.977	0.056	0.03	1.09	25.53
99.75	1.95	2,630.631	0.058	0.03	1.98	31.21
100.00	3.00	3,052.223	0.059	0.03	3.03	36.94
100.25	4.19	3,459.125	0.061	0.03	4.22	42.66
100.50	5.51	3,847.012	0.062	0.03	5.54	48.29
100.75	6.95	4,198.688	0.064	0.03	6.98	53.63
101.00	8.49	4,500.775	0.066	0.03	8.52	58.53
101.25	10.13	4,789.626	0.067	0.03	10.16	63.38
101.50	11.86	5,084.964	0.069	0.03	11.89	68.39

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations Return Event: 2 years
Label: UGB43 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
98.00	2,084.4	0.00
98.25	2,145.8	0.02
98.50	2,207.6	0.03
98.75	2,270.0	0.03
99.00	2,332.8	0.03
99.25	2,396.1	0.03
99.50	2,460.0	0.03
99.75	2,524.3	0.03
100.00	2,589.2	0.03
100.25	2,654.5	0.03
100.50	2,720.3	0.03
100.75	2,786.7	0.03
101.00	2,853.5	0.03
101.25	2,920.9	0.03
101.50	2,988.7	0.03

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB43 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)	98.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.73 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	15.050 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	98.99 ft
Volume (Peak)	1,298.380 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	2,393.000 ft³
Volume (Total Infiltration)	2,393.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	0.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB43 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)		
0.5000 in/h		
Initial Conditions		
Elevation (Water Surface, Initial)	98.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.53 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.400 hours
Flow (Peak Outlet)	0.55 ft³/s	Time to Peak (Flow, Outlet)	12.400 hours

Elevation (Water Surface, Peak)	99.32 ft
Volume (Peak)	1,877.033 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	5,797.000 ft³
Volume (Total Infiltration)	2,866.000 ft³
Volume (Total Outlet Outflow)	2,930.000 ft³
Volume (Retained)	1.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB43 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
98.00	2,084.4	0.00
98.25	2,145.8	0.02
98.50	2,207.6	0.03
98.75	2,270.0	0.03
99.00	2,332.8	0.03
99.25	2,396.1	0.03
99.50	2,460.0	0.03
99.75	2,524.3	0.03
100.00	2,589.2	0.03
100.25	2,654.5	0.03
100.50	2,720.3	0.03
100.75	2,786.7	0.03
101.00	2,853.5	0.03
101.25	2,920.9	0.03
101.50	2,988.7	0.03

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB43 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	0.5900 in/h		
Initial Conditions			
Elevation (Water Surface, Initial)	98.00 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	4.62 ft³/s	T	
Infiltration (Peak)	0.03 ft³/s	T	
Flow (Peak Outlet)	3.30 ft³/s	T	
Elevation (Water Surface, Peak)	100.06 ft		
Volume (Peak)	3,156.852 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	14,890.000 ft³		
Volume (Total Infiltration)	3,255.000 ft³		
Volume (Total Outlet Outflow)	11,634.000 ft³		
Volume (Retained)	1.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB43 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB43'

Upstream Link		Upstream Node	
Out44		UGB44	
<Catchment to Outflow Node>		DA43 Imp	
<Catchment to Outflow Node>		DA43 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out44	0.000	0.000	0.00
Flow (From)	DA43 Imp	1,729.993	12.100	0.53
Flow (From)	DA43 Perv	663.259	12.100	0.20
Flow (In)	UGB43	2,393.252	12.100	0.73

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB43 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB43'

Upstream Link		Upstream Node	
Out44		UGB44	
<Catchment to Outflow Node>		DA43 Imp	
<Catchment to Outflow Node>		DA43 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out44	1,380.758	12.300	0.31
Flow (From)	DA43 Imp	2,808.863	12.100	0.84
Flow (From)	DA43 Perv	1,607.151	12.100	0.52
Flow (In)	UGB43	5,796.772	12.100	1.53

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB43 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB43'

Upstream Link		Upstream Node	
Out44		UGB44	
<Catchment to Outflow Node>		DA43 Imp	
<Catchment to Outflow Node>		DA43 Perv	

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	Out44	5,364,965	12.150	1.74
Flow (From)	DA43 Imp	5,299,117	12.050	1.56
Flow (From)	DA43 Perv	4,225,757	12.100	1.36
Flow (In)	UGB43	14,889,840	12.100	4.62

Node Inflows

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB44
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	

Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	25/ft + O (ft³/s)
101.00	0.00	0.000	0.048	0.00	0.00	0.00
101.25	0.00	211.630	0.049	0.02	0.02	2.38
101.50	0.00	429.173	0.051	0.03	0.03	4.79
101.75	0.00	874.247	0.052	0.03	0.03	9.74
102.00	0.00	1,319.541	0.054	0.03	0.03	14.69
102.25	0.38	1,761.802	0.055	0.03	0.40	19.98
102.50	1.06	2,199.977	0.056	0.03	1.09	25.53
102.75	1.95	2,630.631	0.058	0.03	1.98	31.21
103.00	3.00	3,052.223	0.059	0.03	3.03	36.94
103.25	4.19	3,459.125	0.061	0.03	4.22	42.66
103.50	5.51	3,847.012	0.062	0.03	5.54	48.29
103.75	6.95	4,198.688	0.064	0.03	6.98	53.63
104.00	8.49	4,500.775	0.066	0.03	8.52	58.53
104.25	10.13	4,789.626	0.067	0.03	10.16	63.38
104.50	11.86	5,084.964	0.069	0.03	11.89	68.39

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB44 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
101.00	2,084.4	0.00
101.25	2,145.8	0.02
101.50	2,207.6	0.03
101.75	2,270.0	0.03
102.00	2,332.8	0.03
102.25	2,396.1	0.03
102.50	2,460.0	0.03
102.75	2,524.3	0.03
103.00	2,589.2	0.03
103.25	2,654.5	0.03
103.50	2,720.3	0.03
103.75	2,786.7	0.03
104.00	2,853.5	0.03
104.25	2,920.9	0.03
104.50	2,988.7	0.03

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB44 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)	0.5900 m/h		
Initial Conditions			
Elevation (Water Surface, Initial)	101.00 ft		
Volume (Initial)	0.000 ft³		
Flow (Initial Outlet)	0.00 ft³/s		
Flow (Initial Infiltration)	0.00 ft³/s		
Flow (Initial, Total)	0.00 ft³/s		
Time Increment	0.050 hours		
Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	0.78 ft³/s	T	
Infiltration (Peak)	0.03 ft³/s	T	
Flow (Peak Outlet)	0.00 ft³/s	T	
Elevation (Water Surface, Peak)	101.98 ft		
Volume (Peak)	1,289,728 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	2,240,000 ft³		
Volume (Total Infiltration)	2,240,000 ft³		
Volume (Total Outlet Outflow)	0.000 ft³		
Volume (Retained)	0.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB44 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.5000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	101.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	1.37 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.300 hours
Flow (Peak Outlet)	0.31 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	1,686.596 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	4,072.000 ft³
Volume (Total Infiltration)	2,691.000 ft³
Volume (Total Outlet Outflow)	1,381.000 ft³
Volume (Retained)	1.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB44 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
101.00	2,084.4	0.00
101.25	2,145.8	0.02
101.50	2,207.6	0.03
101.75	2,270.0	0.03
102.00	2,332.8	0.03
102.25	2,396.1	0.03
102.50	2,460.0	0.03
102.75	2,524.3	0.03
103.00	2,589.2	0.03
103.25	2,654.5	0.03
103.50	2,720.3	0.03
103.75	2,786.7	0.03
104.00	2,853.5	0.03
104.25	2,920.9	0.03
104.50	2,988.7	0.03

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB44 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	2.73 ft³/s	Time to Peak (Flow, In)	12.100 hours
Infiltration (Peak)	0.03 ft³/s	Time to Peak (Infiltration)	12.150 hours
Flow (Peak Outlet)	1.74 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	
Volume (Peak)	102.69 ft
Volume (Peak)	2,529.443 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	8,491.000 ft³
Volume (Total Infiltration)	3,125.000 ft³
Volume (Total Outlet Outflow)	5,365.000 ft³
Volume (Retained)	1.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB44 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB44'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA44 Perv
<Catchment to Outflow Node>	DA44 Imp

Node Inflows			
Inflow Type	Element	Volume (ft³)	Time to Peak (hours)
Flow (From)	DA44 Perv	83.696	12.100
Flow (From)	DA44 Imp	2,156.246	12.100
Flow (In)	UGB44	2,239.942	12.100
			0.03
			0.75
			0.78

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB44 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB44'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA44 Perv	
<Catchment to Outflow Node>		DA44 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA44 Perv	233.581	12.100	0.09
Flow (From)	DA44 Imp	3,838.566	12.100	1.28
Flow (In)	UGB44	4,072.147	12.100	1.37

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB44 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB44'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA44 Perv	
<Catchment to Outflow Node>		DA44 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA44 Perv	683.983	12.100	0.25
Flow (From)	DA44 Imp	7,806.886	12.100	2.48
Flow (In)	UGB44	8,490.869	12.100	2.73

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB46 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
103.00	0.00	0.000	0.000	0.00	0.00	0.00
103.25	0.00	58.667	0.000	0.00	0.00	0.65
103.50	0.00	120.399	0.000	0.00	0.00	1.34
103.75	0.19	240.770	0.000	0.00	0.19	2.86
104.00	0.68	362.855	0.000	0.00	0.68	4.71
104.25	1.38	486.017	0.000	0.00	1.38	6.78
104.50	2.00	609.888	0.000	0.00	2.00	8.78
104.75	2.40	733.791	0.000	0.00	2.40	10.55
105.00	2.73	857.232	0.000	0.00	2.73	12.26
105.25	3.03	978.991	0.000	0.00	3.03	13.91
105.50	3.30	1,097.871	0.000	0.00	3.30	15.50
105.75	3.55	1,209.767	0.000	0.00	3.55	17.00
106.00	3.79	1,311.212	0.000	0.00	3.79	18.36
106.25	4.01	1,411.495	0.000	0.00	4.01	19.69
106.50	4.22	1,515.419	0.000	0.00	4.22	21.06

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB46 (1IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.34 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.18 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours
Elevation (Water Surface, Peak)	104.18 ft		
Volume (Peak)	451,007 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	4,357,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	4,237,000 ft³		
Volume (Retained)	120,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB46 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.31 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.99 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	104.49 ft
Volume (Peak)	606.979 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,572.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,452.000 ft³
Volume (Retained)	120.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB46 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	103.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.65 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.40 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	105.60 ft
Volume (Peak)	1,144.310 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	15,455.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	15,334.000 ft³
Volume (Retained)	120.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB46 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB46'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA46 Perv	
<Catchment to Outflow Node>		DA46 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA46 Perv	359.607	12.150	0.09
Flow (From)	DA46 Imp	3,997.652	12.100	1.25
Flow (In)	UGB46	4,357.260	12.100	1.34

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB46 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB46'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA46 Perv	
<Catchment to Outflow Node>		DA46 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA46 Perv	1,006.703	12.100	0.30
Flow (From)	DA46 Imp	6,565.427	12.100	2.00
Flow (In)	UGB46	7,572.131	12.100	2.31

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB46 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB46'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA46 Perv
<Catchment to Outflow Node>	DA46 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA46 Perv	2,954,867	12.100	0.92
Flow (From)	DA46 Imp	12,499,745	12.100	3.73
Flow (In)	UGB46	15,454,612	12.100	4.65

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB47
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
108.00	0.00	0.000	0.000	0.00	0.00	0.00
108.25	0.00	211.630	0.000	0.00	0.00	2.35
108.50	0.00	429.173	0.000	0.00	0.00	4.77
108.75	0.19	874.247	0.000	0.00	0.19	9.90
109.00	0.68	1,319.541	0.000	0.00	0.68	15.34
109.25	1.38	1,761.802	0.000	0.00	1.38	20.95
109.50	2.00	2,199.977	0.000	0.00	2.00	26.45
109.75	2.40	2,630.631	0.000	0.00	2.40	31.63
110.00	2.73	3,052.223	0.000	0.00	2.73	36.65
110.25	3.03	3,459.125	0.000	0.00	3.03	41.47
110.50	3.30	3,847.012	0.000	0.00	3.30	46.05
110.75	3.55	4,198.688	0.000	0.00	3.55	50.21
111.00	3.79	4,500.775	0.000	0.00	3.79	53.80
111.25	4.01	4,789.626	0.000	0.00	4.01	57.23
111.50	4.22	5,084.964	0.000	0.00	4.22	60.72

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB47 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.19 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.32 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	109.23 ft
Volume (Peak)	1,723.405 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,664.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,234.000 ft³
Volume (Retained)	429.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB47 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.74 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.19 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	109.62 ft
Volume (Peak)	2,405.233 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	13,547.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	13,118.000 ft³
Volume (Retained)	429.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB47 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	7.51 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.81 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	111.02 ft
Volume (Peak)	4,523.569 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	28,189.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	27,760.000 ft³
Volume (Retained)	429.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB47 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB47'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA47 Imp
<Catchment to Outflow Node>	DA47- Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA47 Imp	6,833.615	12.100	2.10
Flow (From)	DA47- Perv	830.038	12.200	0.16
Flow (In)	UGB47	7,663.652	12.100	2.19

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB47 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB47'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA47 Imp	
<Catchment to Outflow Node>		DA47- Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA47 Imp	11,223.750	12.100	3.36
Flow (From)	DA47- Perv	2,223.477	12.200	0.54
Flow (In)	UGB47	13,547.227	12.100	3.74

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB47 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB47'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA47 Imp	
<Catchment to Outflow Node>		DA47- Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA47 Imp	21,369.439	12.100	6.26
Flow (From)	DA47- Perv	6,819.476	12.200	1.64
Flow (In)	UGB47	28,188.915	12.100	7.51

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB48 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.90 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
100.90	0.00	0.000	0.000	0.00	0.00	0.00
101.15	0.00	49.217	0.000	0.00	0.00	0.55
101.40	0.00	100.702	0.000	0.00	0.00	1.12
101.50	0.00	141.047	0.000	0.00	0.00	1.57
101.65	0.08	202.067	0.000	0.00	0.08	2.33
101.90	0.57	304.555	0.000	0.00	0.57	3.96
102.15	1.44	407.599	0.000	0.00	1.44	5.97
102.40	2.59	510.918	0.000	0.00	2.59	8.27
102.65	3.94	613.914	0.000	0.00	3.94	10.76
102.90	5.20	716.193	0.000	0.00	5.20	13.16
103.15	5.98	816.695	0.000	0.00	5.98	15.05
103.40	6.67	914.423	0.000	0.00	6.67	16.83
103.65	7.29	1,005.843	0.000	0.00	7.29	18.47
103.90	7.87	1,088.014	0.000	0.00	7.87	19.96
104.15	8.41	1,168.881	0.000	0.00	8.41	21.39
104.40	8.91	1,252.592	0.000	0.00	8.91	22.83

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB48 (1N) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.90 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	0.87 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.75 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours
Elevation (Water Surface, Peak)	101.95 ft		
Volume (Peak)	325.625 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	2,872.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	2,731.000 ft³		
Volume (Retained)	141.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB48 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.90 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.53 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.33 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	102.12 ft
Volume (Peak)	394.387 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	5,055.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	4,914.000 ft³
Volume (Retained)	141.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB48 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.90 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.12 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.84 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	102.45 ft
Volume (Peak)	529.863 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	10,420.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	10,279.000 ft³
Volume (Retained)	141.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB48 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB48'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA48 Perv	
<Catchment to Outflow Node>		DA48 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA48 Perv	248,942	12.100	0.07
Flow (From)	DA48 Imp	2,623.136	12.100	0.80
Flow (In)	UGB48	2,872.078	12.100	0.87

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB48 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB48'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA48 Perv	
<Catchment to Outflow Node>		DA48 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA48 Perv	696,959	12.100	0.23
Flow (From)	DA48 Imp	4,357,894	12.100	1.29
Flow (In)	UGB48	5,054,853	12.100	1.53

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB48 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB48'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA48 Perv	
<Catchment to Outflow Node>		DA48 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA48 Perv	2,045,820	12.100	0.70
Flow (From)	DA48 Imp	8,373,904	12.100	2.42
Flow (In)	UGB48	10,419,724	12.100	3.12

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB49
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
Volume (Initial)	
Flow (Initial Outlet)	
Flow (Initial Infiltration)	
Flow (Initial, Total)	
Time Increment	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
102.70	0.00	0.000	0.000	0.00	0.00	0.00
102.95	0.00	50.351	0.000	0.00	0.00	0.56
103.20	0.00	100.702	0.000	0.00	0.00	1.12
103.33	0.00	153.703	0.000	0.00	0.00	1.71
103.45	0.05	202.628	0.000	0.00	0.05	2.31
103.70	0.49	304.555	0.000	0.00	0.49	3.88
103.95	1.31	407.737	0.000	0.00	1.31	5.84
104.20	2.44	510.918	0.000	0.00	2.44	8.11
104.45	3.77	613.556	0.000	0.00	3.77	10.58
104.70	5.10	716.193	0.000	0.00	5.10	13.06
104.95	5.89	815.308	0.000	0.00	5.89	14.95
105.20	6.59	914.423	0.000	0.00	6.59	16.75
105.45	7.22	1,001.219	0.000	0.00	7.22	18.35
105.70	7.80	1,088.014	0.000	0.00	7.80	19.89
105.95	8.34	1,170.303	0.000	0.00	8.34	21.35
106.20	8.85	1,252.592	0.000	0.00	8.85	22.77

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB49 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	102.70 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.36 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.24 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	103.93 ft
Volume (Peak)	399,080 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	4,356,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	4,212,000 ft³
Volume (Retained)	154,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB49 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	102.70 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.43 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.32 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	104.17 ft
Volume (Peak)	500,083 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,746,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,593,000 ft³
Volume (Retained)	154,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB49 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	102.70 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.06 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	4.93 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	104.67 ft
Volume (Peak)	703.174 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	16,186.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	16,032.000 ft³
Volume (Retained)	154.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB49 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB49'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA49 Perv
<Catchment to Outflow Node>	DA49 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA49 Perv	497.705	12.100	0.16
Flow (From)	DA49 Imp	3,867.869	12.100	1.20
Flow (In)	UGB49	4,365.574	12.100	1.36

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB49 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB49'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA49 Perv	
<Catchment to Outflow Node>		DA49 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA49 Perv	1,393,572	12.100	0.50
Flow (From)	DA49 Imp	6,352,687	12.100	1.93
Flow (In)	UGB49	7,746,259	12.100	2.43

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB49 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB49'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA49 Perv	
<Catchment to Outflow Node>		DA49 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA49 Perv	4,090,980	12.100	1.48
Flow (From)	DA49 Imp	12,095,166	12.100	3.59
Flow (In)	UGB49	16,186,145	12.100	5.06

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB5 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.00	1,062.7	0.00
94.25	1,099.1	0.01
94.50	1,136.1	0.01
94.75	1,173.5	0.01
95.00	1,211.4	0.01
95.25	1,249.8	0.01
95.50	1,288.7	0.01
95.75	1,328.2	0.02
96.00	1,368.1	0.02
96.25	1,408.5	0.02
96.50	1,449.4	0.02
96.75	1,490.8	0.02
96.90	1,515.9	0.02
97.00	1,532.8	0.02
97.25	1,575.2	0.02
97.50	1,618.1	0.02

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB5
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate 0.5000 in/h	Calculation Tolerances			
Infiltration Rate (Average)					
Initial Conditions		Calculation Tolerances			
Elevation (Starting Water Surface Computed)	94.00	ft	Flow Tolerance (Minimum)	0.000	ft³/s
Volume (Starting)	0.000	ft³	Maximum Iterations	35	hours
Infiltration (Starting ICPM)	0.00	ft³/s	ICPM Time Step	0.050	hours
Outflow (Starting)	0.00	ft³/s	Output Increment	0.050	hours

Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)
12.200	96.92	2,271.000

Time to Peak (hours)	Forward Flow Peaks		Reverse Flow Peaks	
	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)
Pond Inflow....	12.100	3.73	0.000	0.00
Infiltration...	12.200	0.00	0.000	0.00
Pond Outflow...	12.200	2.18	0.000	0.00

Volume (ft³)	Total Volume In		Total Volume Out	
	Direction	Volume (ft³)	Direction	Volume (ft³)
Pond Inflow....	Forward	0.000	Reverse	0.000
Infiltration...	Reverse	1,687.000	Forward	0.000
Pond Outflow...	Reverse	14,816.000	Forward	0.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	16,504.000 ft³
Volume (Total Out ICPM)	16,503.000 ft³
Volume (Ending)	1.000 ft³
Elevation (Ending) Difference	94.00 ft 0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB5
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration			
Infiltration Method (Computed)	Average Infiltration Rate		
Infiltration Rate (Average)			
0.5000 in/h			
Initial Conditions			
Elevation (Starting Water Surface Computed)	94.00	ft	ft³/s
Volume (Starting)	0.000	ft³	Maximum Iterations
Infiltration (Starting ICPM)	0.00	ft³/s	ICPM Time Step
Outflow (Starting)	0.00	ft³/s	Output Increment
Calculation Tolerances			
	Flow Tolerance (Minimum)	0.000	ft³/s
	Maximum Iterations	35	hours
	ICPM Time Step	0.050	hours
	Output Increment	0.050	hours

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.100	7.34	0.000
Infiltration...	12.150	0.00	0.000
Pond Outflow...	12.150	6.38	0.000
			0.00

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	29,446.000	Forward	0.000
Infiltration...	0.000	Reverse	1,813.000
Pond Outflow...	0.000	Reverse	27,632.000
Forward		Forward	

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	29,446.000 ft³
Volume (Total Out ICPM)	29,445.000 ft³
Volume (Ending)	1.000 ft³
Elevation (Ending)	94.00 ft
Difference	0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB5 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.00	1,062.7	0.00
94.25	1,099.1	0.01
94.50	1,136.1	0.01
94.75	1,173.5	0.01
95.00	1,211.4	0.01
95.25	1,249.8	0.01
95.50	1,288.7	0.01
95.75	1,328.2	0.02
96.00	1,368.1	0.02
96.25	1,408.5	0.02
96.50	1,449.4	0.02
96.75	1,490.8	0.02
96.90	1,515.9	0.02
97.00	1,532.8	0.02
97.25	1,575.2	0.02
97.50	1,618.1	0.02

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB5
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	
0.5000 in/h	
Initial Conditions	
Elevation (Starting Water Surface Computed)	ft
94.00	ft
Volume (Starting)	ft³
0.000	ft³
Infiltration (Starting ICPM)	ft³/s
0.00	ft³/s
Outflow (Starting)	ft³/s
0.00	ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	
0.000	ft³/s
Maximum Iterations	
35	hours
ICPM Time Step	
0.050	hours
Output Increment	
0.050	hours

Time to Peak (hours)	
Maximum Storage	
Time to Peak (hours)	Elevation (ft)
12.100	97.47
Volume (ft³)	
2,621.000	
Forward Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)
11.950	8.27
12.100	0.00
12.100	7.72
Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)
0.000	0.00
0.000	0.00
0.000	0.00
Total Volume In	
Volume (ft³)	Direction
56,530.000	Forward
0.000	Reverse
0.000	Reverse
Total Volume Out	
Volume (ft³)	Direction
0.000	Forward
1,945.000	Reverse
54,583.000	Forward
Mass Balance (ft³)	
Volume (Initial ICPM)	
0.000	ft³
Volume (Total In ICPM)	
56,530.000	ft³
Volume (Total Out ICPM)	
56,528.000	ft³
Volume (Ending)	
1.000	ft³
Elevation (Ending)	
94.00	ft
Difference	
0.000	ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	
0.0	%

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB50
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	
101.00	ft
Volume (Initial)	
0.000	ft³
Flow (Initial Outlet)	
0.00	ft³/s
Flow (Initial Infiltration)	
0.00	ft³/s
Flow (Initial, Total)	
0.00	ft³/s
Time Increment	
0.050	hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
101.00	0.00	0.000	0.000	0.00	0.00	0.00
101.25	0.00	58.667	0.000	0.00	0.00	0.65
101.50	0.00	120.399	0.000	0.00	0.00	1.34
101.75	0.00	240.770	0.000	0.00	0.00	2.68
102.00	0.00	362.855	0.000	0.00	0.00	4.03
102.25	0.19	486.017	0.000	0.00	0.19	5.59
102.50	0.68	609.888	0.000	0.00	0.68	7.45
102.75	1.38	733.791	0.000	0.00	1.38	9.53
103.00	2.00	857.232	0.000	0.00	2.00	11.53
103.25	2.40	978.991	0.000	0.00	2.40	13.27
103.50	2.73	1,097.871	0.000	0.00	2.73	14.93
103.75	3.03	1,209.767	0.000	0.00	3.03	16.47
104.00	3.30	1,311.212	0.000	0.00	3.30	17.87
104.25	3.55	1,411.495	0.000	0.00	3.55	19.24
104.50	3.79	1,515.419	0.000	0.00	3.79	20.63

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB50 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.52 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.33 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	102.73 ft
Volume (Peak)	725.917 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	4,974.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	4,611.000 ft³
Volume (Retained)	363.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB50 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.57 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.15 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	103.09 ft
Volume (Peak)	902.824 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	8,553.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	8,190.000 ft³
Volume (Retained)	363.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB50 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	101.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.10 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.76 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	104.46 ft
Volume (Peak)	1,500.451 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	17,243.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	16,880.000 ft³
Volume (Retained)	363.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB50 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB50'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA50 Imp
<Catchment to Outflow Node>	DA50 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA50 Imp	4,641.760	12.100	1.45
Flow (From)	DA50 Perv	332.040	12.150	0.08
Flow (In)	UGB50	4,973.800	12.100	1.52

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB50 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB50'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA50 Imp	
<Catchment to Outflow Node>		DA50 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA50 Imp	7,623,546	12.100	2.32
Flow (From)	DA50 Perv	929,458	12.150	0.27
Flow (In)	UGB50	8,553,004	12.100	2.57

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB50 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB50'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA50 Imp	
<Catchment to Outflow Node>		DA50 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA50 Imp	14,514,584	12.100	4.33
Flow (From)	DA50 Perv	2,727,973	12.150	0.80
Flow (In)	UGB50	17,242,556	12.100	5.10

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB54 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
99.00	0.00	0.000	0.000	0.00	0.00	0.00
99.10	0.00	24.080	0.000	0.00	0.00	0.27
99.20	0.00	48.669	0.000	0.00	0.00	0.54
99.30	0.00	73.771	0.000	0.00	0.00	0.82
99.40	0.00	99.390	0.000	0.00	0.00	1.10
99.50	0.00	125.528	0.000	0.00	0.00	1.39
99.60	0.03	173.845	0.000	0.00	0.03	1.97
99.70	0.13	222.060	0.000	0.00	0.13	2.60
99.80	0.29	270.123	0.000	0.00	0.29	3.29
99.90	0.50	317.892	0.000	0.00	0.50	4.03
100.00	0.76	365.227	0.000	0.00	0.76	4.82
100.10	1.07	411.846	0.000	0.00	1.07	5.65
100.20	1.41	457.894	0.000	0.00	1.41	6.50
100.30	1.78	502.997	0.000	0.00	1.78	7.37
100.40	2.17	546.945	0.000	0.00	2.17	8.25
100.50	2.67	589.416	0.000	0.00	2.67	9.22
100.60	2.93	629.051	0.000	0.00	2.93	9.92
100.70	3.16	665.117	0.000	0.00	3.16	10.55
100.80	3.38	699.913	0.000	0.00	3.38	11.16
100.90	3.59	733.947	0.000	0.00	3.59	11.74
101.00	3.78	768.260	0.000	0.00	3.78	12.32
101.10	3.96	803.145	0.000	0.00	3.96	12.89
101.20	4.14	838.603	0.000	0.00	4.14	13.46
101.30	4.31	874.638	0.000	0.00	4.31	14.03
101.33	4.36	886.779	0.000	0.00	4.36	14.22

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB54 (1N) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	1.33 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.21 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours
Elevation (Water Surface, Peak)	100.14 ft		
Volume (Peak)	430.700 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	4,150.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	4,024.000 ft³		
Volume (Retained)	126.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB54 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.28 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.16 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	100.40 ft
Volume (Peak)	545.566 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,209.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,083.000 ft³
Volume (Retained)	126.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB54 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.55 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	4.08 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	101.17 ft
Volume (Peak)	826.234 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	14,636.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	14,511.000 ft³
Volume (Retained)	126.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB54 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB54'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA54 Perv	
<Catchment to Outflow Node>		DA54 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA54 Perv	277.186	12.100	0.09
Flow (From)	DA54 Imp	3,872.547	12.100	1.23
Flow (In)	UGB54	4,149.732	12.100	1.33

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB54 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB54'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA54 Perv	
<Catchment to Outflow Node>		DA54 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA54 Perv	775.416	12.100	0.29
Flow (From)	DA54 Imp	6,433.265	12.100	1.99
Flow (In)	UGB54	7,208.681	12.100	2.28

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB54 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB54'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA54 Perv
<Catchment to Outflow Node>	DA54 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA54 Perv	2,274,737	12.100	0.83
Flow (From)	DA54 Imp	12,361,473	12.100	3.72
Flow (In)	UGB54	14,636,210	12.100	4.55

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB55
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
106.00	0.00	0.000	0.000	0.00	0.00	0.00
106.25	0.00	1,399.733	0.000	0.00	0.00	15.55
106.50	0.00	2,811.077	0.000	0.00	0.00	31.23
106.75	0.00	5,814.153	0.000	0.00	0.00	64.60
106.79	0.00	6,292.683	0.000	0.00	0.00	69.92
107.00	0.29	8,787.585	0.000	0.00	0.29	97.93
107.25	0.94	11,705.228	0.000	0.00	0.94	130.99
107.50	1.79	14,561.879	0.000	0.00	1.79	163.59
107.75	3.57	17,330.037	0.000	0.00	3.57	196.13
108.00	6.11	20,001.073	0.000	0.00	6.11	228.35
108.25	9.19	22,531.773	0.000	0.00	9.19	259.54
108.50	12.71	24,893.676	0.000	0.00	12.71	289.30
108.75	16.62	26,960.872	0.000	0.00	16.62	316.18
109.00	20.88	28,640.299	0.000	0.00	20.88	339.10
109.25	25.47	30,188.484	0.000	0.00	25.47	360.89
109.50	30.35	31,748.856	0.000	0.00	30.35	383.12

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB55 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	8.97 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.13 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours

Elevation (Water Surface, Peak)	107.55 ft
Volume (Peak)	15,083.302 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	29,426.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	23,133.000 ft³
Volume (Retained)	6,293.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB55 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	14.80 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	6.35 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	108.02 ft
Volume (Peak)	20,200.512 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	49,138.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	42,845.000 ft³
Volume (Retained)	6,293.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB55 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	106.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	28.51 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	17.82 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	108.82 ft
Volume (Peak)	27,467.458 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	95,810.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	89,517.000 ft³
Volume (Retained)	6,293.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB55 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB55'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA55 Imp
<Catchment to Outflow Node>	DA55 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA55 Imp	27,812.963	12.100	8.49
Flow (From)	DA55 Perv	1,612.664	12.100	0.48
Flow (In)	UGB55	29,425.626	12.100	8.97

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB55 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB55'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA55 Imp	
<Catchment to Outflow Node>		DA55 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA55 Imp	45,157,880	12.100	13.54
Flow (From)	DA55 Perv	3,979,665	12.100	1.26
Flow (In)	UGB55	49,137,545	12.100	14.80

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB55 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB55'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA55 Imp	
<Catchment to Outflow Node>		DA55 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA55 Imp	85,193,504	12.050	25.15
Flow (From)	DA55 Perv	10,616,341	12.100	3.36
Flow (In)	UGB55	95,809,845	12.100	28.51

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB56 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
110.00	0.00	0.000	0.000	0.00	0.00	0.00
110.25	0.00	2,158.429	0.000	0.00	0.00	23.98
110.50	0.00	4,331.090	0.000	0.00	0.00	48.12
110.75	0.00	8,970.777	0.000	0.00	0.00	99.68
111.00	0.00	13,560.593	0.000	0.00	0.00	150.67
111.25	0.38	18,059.601	0.000	0.00	0.38	201.04
111.50	1.06	22,460.020	0.000	0.00	1.06	250.62
111.75	1.95	26,718.800	0.000	0.00	1.95	298.82
112.00	3.00	30,822.844	0.000	0.00	3.00	345.48
112.25	4.19	34,704.704	0.000	0.00	4.19	389.80
112.50	5.51	38,320.503	0.000	0.00	5.51	431.29
112.75	7.70	41,474.399	0.000	0.00	7.70	468.52
113.00	10.61	44,022.227	0.000	0.00	10.61	499.74
113.25	14.02	46,361.873	0.000	0.00	14.02	529.15
113.50	17.86	48,716.328	0.000	0.00	17.86	559.15

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB56 (1IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	8.62 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.48 ft³/s	Time to Peak (Flow, Outlet)	13.550 hours
Elevation (Water Surface, Peak)	111.29 ft		
Volume (Peak)	18,772,747 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	27,596,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	14,035,000 ft³		
Volume (Retained)	13,561,000 ft³		
Volume (Unrouted)	-1,000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB56 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	14.19 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.99 ft³/s	Time to Peak (Flow, Outlet)	12.550 hours

Elevation (Water Surface, Peak)	111.76 ft
Volume (Peak)	26,902.773 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	46,218.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	32,655.000 ft³
Volume (Retained)	13,563.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB56 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	110.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	27.24 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	8.61 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	112.83 ft
Volume (Peak)	42,332.665 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	90,229.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	76,666.000 ft³
Volume (Retained)	13,564.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB56 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB56'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA56 Perv	
<Catchment to Outflow Node>		DA56 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA56 Perv	774,035	12.100	0.24
Flow (From)	DA56 Imp	26,822,350	12.100	8.38
Flow (In)	UGB56	27,596,386	12.100	8.62

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB56 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB56'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA56 Perv	
<Catchment to Outflow Node>		DA56 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA56 Perv	2,167,492	12.100	0.76
Flow (From)	DA56 Imp	44,050,474	12.100	13.43
Flow (In)	UGB56	46,217,966	12.100	14.19

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB56 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB56'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA56 Perv
<Catchment to Outflow Node>	DA56 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA56 Perv	6,363,341	12.100	2.24
Flow (From)	DA56 Imp	83,866,142	12.100	25.00
Flow (In)	UGB56	90,229,483	12.100	27.24

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB57
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
111.10	0.00	0.000	0.000	0.00	0.00	0.00
111.35	0.00	1,184,722	0.000	0.00	0.00	13.16
111.60	0.00	2,381,965	0.000	0.00	0.00	26.47
111.85	0.00	4,919,270	0.000	0.00	0.00	54.66
112.10	0.00	7,434,456	0.000	0.00	0.00	82.61
112.35	0.00	9,905,804	0.000	0.00	0.00	110.06
112.50	0.00	11,367,155	0.000	0.00	0.00	126.30
112.60	0.07	12,328,717	0.000	0.00	0.07	137.06
112.85	0.47	14,680,337	0.000	0.00	0.47	163.58
113.10	1.05	16,953,187	0.000	0.00	1.05	189.41
113.35	1.76	19,111,212	0.000	0.00	1.76	214.11
113.60	2.60	21,130,277	0.000	0.00	2.60	237.38
113.85	3.53	22,904,861	0.000	0.00	3.53	258.03
114.10	4.55	24,356,565	0.000	0.00	4.55	275.18
114.35	5.66	25,701,115	0.000	0.00	5.66	291.23
114.60	6.85	27,058,762	0.000	0.00	6.85	307.50

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB57 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.46 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.00 ft³/s	Time to Peak (Flow, Outlet)	0.000 hours

Elevation (Water Surface, Peak)	112.47 ft
Volume (Peak)	11,058.005 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	11,057.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	0.000 ft³
Volume (Retained)	11,058.000 ft³
Volume (Unrouted)	1.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB57 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.66 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.25 ft³/s	Time to Peak (Flow, Outlet)	14.150 hours

Elevation (Water Surface, Peak)	112.71 ft
Volume (Peak)	13,404.482 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	18,414.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	7,045.000 ft³
Volume (Retained)	11,369.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB57 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	10.77 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.18 ft³/s	Time to Peak (Flow, Outlet)	12.350 hours

Elevation (Water Surface, Peak)	113.48 ft
Volume (Peak)	20,149,088 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	35,694,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	24,325,000 ft³
Volume (Retained)	11,369,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB57 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB57'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA57 Imp
<Catchment to Outflow Node>	DA57 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA57 Imp	10,833,804	12.100	3.38
Flow (From)	DA57 Perv	223,330	12.100	0.08
Flow (In)	UGB57	11,057,134	12.100	3.46

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB57 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB57'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA57 Imp	
<Catchment to Outflow Node>		DA57 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA57 Imp	17,791,025	12.100	5.42
Flow (From)	DA57 Perv	623,095	12.100	0.23
Flow (In)	UGB57	18,414,120	12.100	5.66

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB57 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB57'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA57 Imp	
<Catchment to Outflow Node>		DA57 Perv	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA57 Imp	33,870,272	12.100	10.09
Flow (From)	DA57 Perv	1,824,187	12.100	0.67
Flow (In)	UGB57	35,694,458	12.100	10.77

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB59
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	104.00 ft
Volume (Starting)	0.000 ft³
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft³)	
14.800		105.41		23,494,000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.100	6.20	0.000
Pond Outflow...	14.800	0.99	0.000

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	44,533.000	Forward	0.000
Pond Outflow...	0.000	Reverse	27,537.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	44,533.000 ft³
Volume (Total Out ICPM)	27,537.000 ft³
Volume (Ending)	16,996.000 ft³
Elevation (Ending)	105.00 ft
Difference	0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB59
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	104.00 ft
Volume (Starting)	0.000 ft³
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)		Maximum Storage Elevation (ft)		Volume (ft³)	
14.000		106.16		35,506,000	

Forward Flow Peaks		Reverse Flow Peaks	
Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.100	12.25	0.000
Pond Outflow...	12.750	4.15	0.000

Total Volume In		Total Volume Out	
Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	87,202.000	Forward	0.000
Pond Outflow...	0.000	Reverse	70,175.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	87,202.000 ft³
Volume (Total Out ICPM)	70,175.000 ft³
Volume (Ending)	17,026.000 ft³
Elevation (Ending)	105.00 ft
Difference	0.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB59
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Starting Water Surface Computed)	104.00 ft
Volume (Starting)	0.000 ft³
Outflow (Starting)	0.00 ft³/s
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050 hours

Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)
12.500	107.51	51,899.000

	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow....	12.100	30.33	0.000	0.00
Pond Outflow...	12.350	22.44	0.000	0.00

	Total Volume In		Total Volume Out	
	Volume (ft³)	Direction	Volume (ft³)	Direction
Pond Inflow....	194,085.000	Forward	0.000	Reverse
Pond Outflow...	0.000	Reverse	177,034.000	Forward

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	194,085.000 ft³
Volume (Total Out ICPM)	177,034.000 ft³
Volume (Ending)	17,050.000 ft³
Elevation (Ending)	105.01 ft
Difference	1.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB6 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.00	1,062.7	0.00
94.25	1,099.1	0.01
94.50	1,136.1	0.01
94.75	1,173.5	0.01
95.00	1,211.4	0.01
95.25	1,249.8	0.01
95.50	1,288.7	0.01
95.75	1,328.2	0.02
96.00	1,368.1	0.02
96.25	1,408.5	0.02
96.50	1,449.4	0.02
96.75	1,490.8	0.02
97.00	1,532.8	0.02
97.25	1,575.2	0.02
97.45	1,609.5	0.02
97.50	1,618.1	0.02

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB6
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration						
Infiltration Method (Computed)	Average Infiltration Rate					
Infiltration Rate (Average)						
0.5000 in/h						
Initial Conditions						
Elevation (Starting Water Surface Computed)	94.00	ft	Flow Tolerance (Minimum)		0.000	ft ³ /s
Volume (Starting)	0.000	ft ³	Maximum Iterations		35	hours
Infiltration (Starting ICPM)	0.00	ft ³ /s	ICPM Time Step		0.050	hours
Outflow (Starting)	0.00	ft ³ /s	Output Increment		0.050	hours

		Maximum Storage			
		Time to Peak (hours)	Elevation (ft)	Volume (ft³)	
		12.250	97.00	2,323.000	
		Forward Flow Peaks			
		Time to Peak (hours)	Flow (Peak) (ft³/s)	Reverse Flow Peaks Time to Peak (hours)	Flow (Peak) (ft³/s)
Pond Inflow...	12.100	3.69	0.000	0.000	0.00
Infiltration...	12.250	0.00	0.000	0.000	0.00
Pond Outflow...	12.150	2.11	0.000	0.000	0.00

		Total Volume In		Total Volume Out	
		Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	12,606.000	Forward	0.000	Reverse	Reverse
Infiltration...	0.000	Reverse	1,749.000	Forward	Forward
Pond Outflow...	0.000	Reverse	11,392.000	Forward	Forward
Mass Balance (ft ³)					
Volume (Initial ICPM)		0.000 ft ³			
Volume (Total In ICPM)		12,606.000 ft ³			
Volume (Total Out ICPM)		13,141.000 ft ³			
Volume (Ending)		1.000 ft ³			
Elevation (Ending)		94.00 ft			
Difference		-536.000 ft ³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		4.1 %			

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB6
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration				
Infiltration Method (Computed)	Average Infiltration Rate			
Infiltration Rate (Average)				
0.5000 in/h				
Initial Conditions				
Elevation (Starting Water Surface Computed)	94.00 ft	Flow Tolerance (Minimum)	0.000	ft ³ /s
Volume (Starting)	0.000	ft ³	Maximum Iterations	35
Infiltration (Starting ICPM)	0.00	ft ³ /s	ICPM Time Step	0.050
Outflow (Starting)	0.00	ft ³ /s	Output Increment	0.050
				hours
				hours

		Maximum Storage			
		Time to Peak (hours)	Elevation (ft)	Volume (ft ³)	
		12.150	97.50	2,638.000	
		Forward Flow Peaks			
		Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Reverse Flow Peaks Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow...	12.100	6.55	0.000	0.000	0.00
Infiltration...	12.150	0.00	0.000	0.000	0.00
Pond Outflow...	12.150	4.74	0.000	0.000	0.00

		Total Volume In		Total Volume Out	
		Volume (ft ³)	Direction	Volume (ft ³)	Direction
Pond Inflow....	22,554.000	Forward	0.000	Reverse	Reverse
Infiltration...	0.000	Reverse	1,860.000	Forward	Forward
Pond Outflow...	0.000	Reverse	20,546.000	Forward	Forward
Mass Balance (ft ³)					
Volume (Initial ICPM)		0.000 ft ³			
Volume (Total In ICPM)		22,554.000 ft ³			
Volume (Total Out ICPM)		22,406.000 ft ³			
Volume (Ending)		1.000 ft ³			
Elevation (Ending)		94.00 ft			
Difference		148.000 ft ³			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.7 %			

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB6 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
94.00	1,062.7	0.00
94.25	1,099.1	0.01
94.50	1,136.1	0.01
94.75	1,173.5	0.01
95.00	1,211.4	0.01
95.25	1,249.8	0.01
95.50	1,288.7	0.01
95.75	1,328.2	0.02
96.00	1,368.1	0.02
96.25	1,408.5	0.02
96.50	1,449.4	0.02
96.75	1,490.8	0.02
97.00	1,532.8	0.02
97.25	1,575.2	0.02
97.45	1,609.5	0.02
97.50	1,618.1	0.02

Basin Routings Projected Rainfall

Subsection: Interconnected Pond Routing Summary
Label: UGB6
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration

Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Starting Water Surface Computed)	94.00
Volume (Starting)	0.000
Infiltration (Starting ICPM)	0.00
Outflow (Starting)	0.00
Calculation Tolerances	
Flow Tolerance (Minimum)	0.000
Maximum Iterations	35
ICPM Time Step	0.050
Output Increment	0.050

Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ft³)
12.000	97.50	2,638.000

Time to Peak (hours)	Forward Flow Peaks		Reverse Flow Peaks	
	Flow (Peak) (ft³/s)	Time to Peak (hours)	Flow (Peak) (ft³/s)	Time to Peak (hours)
Pond Inflow....	12.100	13.57	0.000	0.00
Infiltration...	12.000	0.00	0.000	0.00
Pond Outflow...	12.250	5.31	0.000	0.00

Volume (ft³)	Total Volume In		Total Volume Out	
	Direction	Volume (ft³)	Direction	Volume (ft³)
Pond Inflow....	Forward	0.000	Reverse	0.000
Infiltration...	Reverse	1,976.000	Forward	0.000
Pond Outflow...	Reverse	38,411.000	Forward	0.000

Mass Balance (ft³)	
Volume (Initial ICPM)	0.000 ft³
Volume (Total In ICPM)	46,850.000 ft³
Volume (Total Out ICPM)	40,387.000 ft³
Volume (Ending)	1.000 ft³
Elevation (Ending) Difference	94.00 ft 6,462.000 ft³
Percent of Inflow Volume (Interconnected Pond Mass Balance)	13.8 %

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB60 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
111.10	0.00	0.000	0.000	0.00	0.00	0.00
111.35	0.00	1,184.722	0.000	0.00	0.00	13.16
111.60	0.00	2,381.965	0.000	0.00	0.00	26.47
111.85	0.00	4,919.270	0.000	0.00	0.00	54.66
112.10	0.00	7,434.456	0.000	0.00	0.00	82.61
112.35	0.38	9,905.804	0.000	0.00	0.38	110.44
112.60	1.06	12,528.717	0.000	0.00	1.06	138.05
112.85	1.95	14,680.337	0.000	0.00	1.95	165.06
113.10	3.00	16,953.187	0.000	0.00	3.00	191.37
113.35	4.19	19,111.212	0.000	0.00	4.19	216.54
113.60	5.51	21,130.277	0.000	0.00	5.51	240.29
113.85	6.95	22,904.861	0.000	0.00	6.95	261.44
114.10	8.49	24,356.565	0.000	0.00	8.49	279.11
114.35	10.13	25,701.115	0.000	0.00	10.13	295.69
114.60	11.86	27,058.762	0.000	0.00	11.86	312.51

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB60 (1IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.54 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.61 ft³/s	Time to Peak (Flow, Outlet)	12.800 hours
Elevation (Water Surface, Peak)	112.43 ft		
Volume (Peak)	10,727.154 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	17,667.000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	10,232.000 ft³		
Volume (Retained)	7,434.000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB60 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	9.19 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.26 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours

Elevation (Water Surface, Peak)	112.93 ft
Volume (Peak)	15,372.026 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	29,749,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	22,314,000 ft³
Volume (Retained)	7,434,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB60 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	111.10 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	17.79 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	7.14 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	113.88 ft
Volume (Peak)	23,108,186 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	58,469,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	51,035,000 ft³
Volume (Retained)	7,434,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB60 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB60'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA60 Perv	
<Catchment to Outflow Node>		DA60 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA60 Perv	642,074	12.100	0.22
Flow (From)	DA60 Imp	17,024,549	12.100	5.32
Flow (In)	UGB60	17,666,623	12.100	5.54

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB60 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB60'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA60 Perv	
<Catchment to Outflow Node>		DA60 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA60 Perv	1,791,397	12.100	0.67
Flow (From)	DA60 Imp	27,957,325	12.100	8.52
Flow (In)	UGB60	29,748,722	12.100	9.19

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB60 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB60'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA60 Perv
<Catchment to Outflow Node>	DA60 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA60 Perv	5,244,536	12.100	1.93
Flow (From)	DA60 Imp	53,224,713	12.100	15.86
Flow (In)	UGB60	58,469,249	12.100	17.79

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB61
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft ³
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	Z5/t + O (ft³/s)
107.75	0.00	0.000	0.000	0.00	0.00	0.00
108.00	0.00	270.754	0.000	0.00	0.00	3.01
108.25	0.00	548.789	0.000	0.00	0.00	6.10
108.50	0.16	1,119.000	0.000	0.00	0.16	12.59
108.75	0.58	1,689.143	0.000	0.00	0.58	19.34
109.00	1.08	2,254.994	0.000	0.00	1.08	26.14
109.25	1.37	2,815.214	0.000	0.00	1.37	32.65
109.50	1.61	3,365.340	0.000	0.00	1.61	39.00
109.75	1.81	3,903.410	0.000	0.00	1.81	45.19
110.00	2.00	4,422.140	0.000	0.00	2.00	51.13
110.25	2.17	4,915.992	0.000	0.00	2.17	56.79
110.50	2.33	5,362.802	0.000	0.00	2.33	61.91
110.75	2.47	5,745.397	0.000	0.00	2.47	66.31
111.00	2.61	6,110.460	0.000	0.00	2.61	70.51
111.25	2.74	6,483.378	0.000	0.00	2.74	74.78

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB61 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.17 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.02 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	108.97 ft
Volume (Peak)	2,185.633 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	7,085.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	6,537.000 ft³
Volume (Retained)	549.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB61 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.54 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.48 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	109.36 ft
Volume (Peak)	3,057.277 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	11,700.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	11,151.000 ft³
Volume (Retained)	549.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB61 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	107.75 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.76 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.31 ft³/s	Time to Peak (Flow, Outlet)	12.200 hours

Elevation (Water Surface, Peak)	110.48 ft
Volume (Peak)	5,328.618 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	22,560.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	22,011.000 ft³
Volume (Retained)	549.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB61 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB61'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA61 Perv
<Catchment to Outflow Node>	DA61 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA61 Perv	166.544	12.100	0.06
Flow (From)	DA61 Imp	6,918.854	12.100	2.11
Flow (In)	UGB61	7,085.398	12.100	2.17

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB61 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB61'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA61 Perv	
<Catchment to Outflow Node>		DA61 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA61 Perv	465.643	12.100	0.17
Flow (From)	DA61 Imp	11,234.255	12.100	3.37
Flow (In)	UGB61	11,699.898	12.100	3.54

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB61 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB61'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA61 Perv	
<Catchment to Outflow Node>		DA61 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA61 Perv	1,365.430	12.100	0.50
Flow (From)	DA61 Imp	21,194.767	12.100	6.26
Flow (In)	UGB61	22,560.196	12.100	6.76

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB62 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
108.00	0.00	0.000	0.000	0.00	0.00	0.00
108.25	0.00	1,424.862	0.000	0.00	0.00	15.83
108.50	0.00	2,863.043	0.000	0.00	0.00	31.81
108.75	0.16	5,918.493	0.000	0.00	0.16	65.92
109.00	0.58	8,945.385	0.000	0.00	0.58	99.97
109.25	1.08	11,917.312	0.000	0.00	1.08	133.50
109.50	1.37	14,828.862	0.000	0.00	1.37	166.14
109.75	1.61	17,652.250	0.000	0.00	1.61	197.74
110.00	1.81	20,378.588	0.000	0.00	1.81	228.24
110.25	2.37	22,964.141	0.000	0.00	2.37	257.53
110.50	3.23	25,379.894	0.000	0.00	3.23	285.23
110.75	4.27	27,498.172	0.000	0.00	4.27	309.81
111.00	5.47	29,224.392	0.000	0.00	5.47	330.19
111.25	6.80	30,819.054	0.000	0.00	6.80	349.24
111.50	8.25	32,427.611	0.000	0.00	8.25	368.56

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB62 (1N) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	5.80 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.85 ft³/s	Time to Peak (Flow, Outlet)	12.550 hours
Elevation (Water Surface, Peak)	109.13 ft		
Volume (Peak)	10,524,995 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	18,962,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	16,077,000 ft³		
Volume (Retained)	2,885,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB62 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	9.42 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.45 ft³/s	Time to Peak (Flow, Outlet)	12.500 hours

Elevation (Water Surface, Peak)	109.58 ft
Volume (Peak)	15,774.806 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	31,179.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	28,287.000 ft³
Volume (Retained)	2,892.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB62 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	108.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	17.84 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	3.60 ft³/s	Time to Peak (Flow, Outlet)	12.350 hours

Elevation (Water Surface, Peak)	110.59 ft
Volume (Peak)	26,173.639 ft³

Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	59,796.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	56,896.000 ft³
Volume (Retained)	2,901.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB62 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB62'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA62 Imp	
<Catchment to Outflow Node>		DA62 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA62 Imp	18,628,522	12.100	5.69
Flow (From)	DA62 Perv	333,229	12.100	0.11
Flow (In)	UGB62	18,961,751	12.100	5.80

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB62 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB62'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA62 Imp	
<Catchment to Outflow Node>		DA62 Perv	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA62 Imp	30,247,352	12.100	9.07
Flow (From)	DA62 Perv	931,552	12.100	0.35
Flow (In)	UGB62	31,178,904	12.100	9.42

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB62 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB62'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA62 Imp
<Catchment to Outflow Node>	DA62 Perv

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA62 Imp	57,065.131	12.100	16.84
Flow (From)	DA62 Perv	2,731.335	12.100	1.00
Flow (In)	UGB62	59,796.466	12.100	17.84

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond)
Label: UGB63
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	ZS/t + O (ft³/s)
104.00	0.00	0.000	0.000	0.00	0.00	0.00
104.25	0.00	695.845	0.000	0.00	0.00	7.73
104.50	0.00	1,399.883	0.000	0.00	0.00	15.55
104.75	0.00	2,886.608	0.000	0.00	0.00	32.07
105.00	0.00	4,361.358	0.000	0.00	0.00	48.46
105.25	0.31	5,811.564	0.000	0.00	0.31	64.88
105.50	0.88	7,234.485	0.000	0.00	0.88	81.26
105.75	1.62	8,616.889	0.000	0.00	1.62	97.36
106.00	2.49	9,954.353	0.000	0.00	2.49	113.09
106.25	4.14	11,225.949	0.000	0.00	4.14	128.87
106.50	6.43	12,417.535	0.000	0.00	6.43	144.40
106.75	9.17	13,467.664	0.000	0.00	9.17	158.82
107.00	12.29	14,330.534	0.000	0.00	12.29	171.52
107.25	15.74	15,132.099	0.000	0.00	15.74	183.88
107.50	19.49	15,942.433	0.000	0.00	19.49	196.63

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB63 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	4.06 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	0.93 ft³/s	Time to Peak (Flow, Outlet)	12.300 hours

Elevation (Water Surface, Peak)	105.52 ft
Volume (Peak)	7,325,750 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	13,306,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	8,945,000 ft³
Volume (Retained)	4,361,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB63 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.48 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.42 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	105.98 ft
Volume (Peak)	9,845,707 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	21,606,000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	17,244,000 ft³
Volume (Retained)	4,361,000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB63 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	104.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	12.03 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	7.63 ft³/s	Time to Peak (Flow, Outlet)	12.150 hours

Elevation (Water Surface, Peak)	106.61 ft
Volume (Peak)	12,897.937 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	40,762.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	36,400.000 ft³
Volume (Retained)	4,361.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB63 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB63'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA63 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA63 Imp	13,306.436	12.100	4.06
Flow (In)	UGB63	13,306.436	12.100	4.06

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB63 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB63'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA63 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA63 Imp	21,605.768	12.100	6.48
Flow (In)	UGB63	21,605.768	12.100	6.48

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB63 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB63'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA63 Imp

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA63 Imp	40,761.825	12.100	12.03
Flow (In)	UGB63	40,761.825	12.100	12.03

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 2 years
Label: UGB7 Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration		
Infiltration Method (Computed)	Infiltration Rate	Average
Infiltration Rate (Average)	0.5000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)		99.00 ft
Volume (Initial)		0.000 ft³
Flow (Initial Outlet)		0.00 ft³/s
Flow (Initial Infiltration)		0.00 ft³/s
Flow (Initial, Total)		0.00 ft³/s
Time Increment		0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
99.00	0.00	0.000	0.047	0.00	0.00	0.00
99.10	0.00	82.273	0.047	0.02	0.02	0.94
99.20	0.00	165.280	0.048	0.02	0.02	1.86
99.30	0.00	249.024	0.048	0.02	0.02	2.79
99.40	0.00	333.509	0.049	0.02	0.02	3.73
99.50	0.00	418.737	0.049	0.02	0.02	4.68
99.60	0.00	593.658	0.050	0.02	0.02	6.62
99.70	0.00	768.803	0.050	0.03	0.03	8.57
99.80	0.00	943.696	0.050	0.03	0.03	10.51
99.90	0.00	1,118.340	0.051	0.03	0.03	12.45
100.00	0.00	1,292.501	0.051	0.03	0.03	14.39
100.10	0.00	1,465.844	0.052	0.03	0.03	16.31
100.20	0.00	1,638.280	0.052	0.03	0.03	18.23
100.30	0.00	1,809.953	0.053	0.03	0.03	20.14
100.40	0.00	1,980.676	0.053	0.03	0.03	22.03
100.50	0.00	2,150.165	0.054	0.03	0.03	23.92
100.60	0.00	2,318.328	0.054	0.03	0.03	25.79
100.70	0.00	2,484.689	0.054	0.03	0.03	27.64
100.80	0.00	2,649.490	0.055	0.03	0.03	29.47
100.90	0.00	2,812.544	0.055	0.03	0.03	31.28
101.00	0.00	2,973.471	0.056	0.03	0.03	33.07
101.10	0.00	3,131.987	0.056	0.03	0.03	34.83
101.20	0.00	3,287.568	0.057	0.03	0.03	36.56
101.30	0.00	3,439.549	0.057	0.03	0.03	38.25
101.40	0.00	3,588.315	0.058	0.03	0.03	39.90
101.50	0.00	3,733.152	0.058	0.03	0.03	41.51
101.60	0.03	3,872.197	0.059	0.03	0.06	43.08
101.70	0.11	4,004.353	0.059	0.03	0.14	44.63

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 2 years
Label: UGB7 Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
101.80	0.23	4,125.507	0.059	0.03	0.26	46.10
101.82	0.26	4,147.960	0.060	0.03	0.29	46.38
101.90	0.45	4,237.769	0.060	0.03	0.48	47.57
102.00	0.81	4,345.639	0.060	0.03	0.84	49.12
102.10	1.23	4,451.322	0.061	0.03	1.26	50.72
102.20	1.72	4,557.835	0.061	0.03	1.75	52.39
102.30	2.15	4,665.181	0.062	0.03	2.18	54.01
102.40	2.59	4,773.363	0.062	0.03	2.62	55.66
102.50	3.05	4,882.384	0.063	0.03	3.09	57.33

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 10 years
Label: UGB7 Storm Event: 10yr Projected NOAA D
Scenario: 10YR Projected

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.5000 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	99.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
99.00	0.00	0.000	0.047	0.00	0.00	0.00
99.10	0.00	82.273	0.047	0.02	0.02	0.94
99.20	0.00	165.280	0.048	0.02	0.02	1.86
99.30	0.00	249.024	0.048	0.02	0.02	2.79
99.40	0.00	333.509	0.049	0.02	0.02	3.73
99.50	0.00	418.737	0.049	0.02	0.02	4.68
99.60	0.00	593.658	0.050	0.02	0.02	6.62
99.70	0.00	768.803	0.050	0.03	0.03	8.57
99.80	0.00	943.696	0.050	0.03	0.03	10.51
99.90	0.00	1,118.340	0.051	0.03	0.03	12.45
100.00	0.00	1,292.501	0.051	0.03	0.03	14.39
100.10	0.00	1,465.844	0.052	0.03	0.03	16.31
100.20	0.00	1,638.280	0.052	0.03	0.03	18.23
100.30	0.00	1,809.953	0.053	0.03	0.03	20.14
100.40	0.00	1,980.676	0.053	0.03	0.03	22.03
100.50	0.00	2,150.165	0.054	0.03	0.03	23.92
100.60	0.00	2,318.328	0.054	0.03	0.03	25.79
100.70	0.00	2,484.689	0.054	0.03	0.03	27.64
100.80	0.00	2,649.490	0.055	0.03	0.03	29.47
100.90	0.00	2,812.544	0.055	0.03	0.03	31.28
101.00	0.00	2,973.471	0.056	0.03	0.03	33.07
101.10	0.00	3,131.987	0.056	0.03	0.03	34.83
101.20	0.00	3,287.568	0.057	0.03	0.03	36.56
101.30	0.00	3,439.549	0.057	0.03	0.03	38.25
101.40	0.00	3,588.315	0.058	0.03	0.03	39.90
101.50	0.00	3,733.152	0.058	0.03	0.03	41.51
101.60	0.03	3,872.197	0.059	0.03	0.06	43.08
101.70	0.11	4,004.353	0.059	0.03	0.14	44.63

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 10 years
Label: UGB7 Storm Event: 10yr Projected NOAA D
Scenario: 10YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
101.80	0.23	4,125.507	0.059	0.03	0.26	46.10
101.82	0.26	4,147.960	0.060	0.03	0.29	46.38
101.90	0.45	4,237.769	0.060	0.03	0.48	47.57
102.00	0.81	4,345.639	0.060	0.03	0.84	49.12
102.10	1.23	4,451.322	0.061	0.03	1.26	50.72
102.20	1.72	4,557.835	0.061	0.03	1.75	52.39
102.30	2.15	4,665.181	0.062	0.03	2.18	54.01
102.40	2.59	4,773.363	0.062	0.03	2.62	55.66
102.50	3.05	4,882.384	0.063	0.03	3.09	57.33

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB7 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
99.00	0.00	0.000	0.047	0.00	0.00	0.00
99.10	0.00	82.273	0.047	0.02	0.02	0.94
99.20	0.00	165.280	0.048	0.02	0.02	1.86
99.30	0.00	249.024	0.048	0.02	0.02	2.79
99.40	0.00	333.509	0.049	0.02	0.02	3.73
99.50	0.00	418.737	0.049	0.02	0.02	4.68
99.60	0.00	593.658	0.050	0.02	0.02	6.62
99.70	0.00	768.803	0.050	0.03	0.03	8.57
99.80	0.00	943.696	0.050	0.03	0.03	10.51
99.90	0.00	1,118.340	0.051	0.03	0.03	12.45
100.00	0.00	1,292.501	0.051	0.03	0.03	14.39
100.10	0.00	1,465.844	0.052	0.03	0.03	16.31
100.20	0.00	1,638.280	0.052	0.03	0.03	18.23
100.30	0.00	1,809.953	0.053	0.03	0.03	20.14
100.40	0.00	1,980.676	0.053	0.03	0.03	22.03
100.50	0.00	2,150.165	0.054	0.03	0.03	23.92
100.60	0.00	2,318.328	0.054	0.03	0.03	25.79
100.70	0.00	2,484.689	0.054	0.03	0.03	27.64
100.80	0.00	2,649.490	0.055	0.03	0.03	29.47
100.90	0.00	2,812.544	0.055	0.03	0.03	31.28
101.00	0.00	2,973.471	0.056	0.03	0.03	33.07
101.10	0.00	3,131.987	0.056	0.03	0.03	34.83
101.20	0.00	3,287.568	0.057	0.03	0.03	36.56
101.30	0.00	3,439.549	0.057	0.03	0.03	38.25
101.40	0.00	3,588.315	0.058	0.03	0.03	39.90
101.50	0.00	3,733.152	0.058	0.03	0.03	41.51
101.60	0.03	3,872.197	0.059	0.03	0.06	43.08
101.70	0.11	4,004.353	0.059	0.03	0.14	44.63

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB7 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
101.80	0.23	4,125.507	0.059	0.03	0.26	46.10
101.82	0.26	4,147.960	0.060	0.03	0.29	46.38
101.90	0.45	4,237.769	0.060	0.03	0.48	47.57
102.00	0.81	4,345.639	0.060	0.03	0.84	49.12
102.10	1.23	4,451.322	0.061	0.03	1.26	50.72
102.20	1.72	4,557.835	0.061	0.03	1.75	52.39
102.30	2.15	4,665.181	0.062	0.03	2.18	54.01
102.40	2.59	4,773.363	0.062	0.03	2.62	55.66
102.50	3.05	4,882.384	0.063	0.03	3.09	57.33

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB7 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Average Infiltration Rating Table

Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
99.00	2,047.7	0.00
99.10	2,066.0	0.02
99.20	2,084.4	0.02
99.30	2,102.8	0.02
99.40	2,121.4	0.02
99.50	2,140.0	0.02
99.60	2,158.7	0.02
99.70	2,177.5	0.03
99.80	2,196.4	0.03
99.90	2,215.3	0.03
100.00	2,234.4	0.03
100.10	2,253.5	0.03
100.20	2,272.7	0.03
100.30	2,291.9	0.03
100.40	2,311.3	0.03
100.50	2,330.7	0.03
100.60	2,350.2	0.03
100.70	2,369.8	0.03
100.80	2,389.5	0.03
100.90	2,409.2	0.03
101.00	2,429.0	0.03
101.10	2,448.9	0.03
101.20	2,468.9	0.03
101.30	2,489.0	0.03
101.40	2,509.2	0.03
101.50	2,529.4	0.03
101.60	2,549.7	0.03
101.70	2,570.1	0.03
101.80	2,590.5	0.03
101.82	2,594.6	0.03
101.90	2,611.1	0.03
102.00	2,631.7	0.03
102.10	2,652.4	0.03
102.20	2,673.2	0.03
102.30	2,694.1	0.03
102.40	2,715.0	0.03
102.50	2,736.1	0.03

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB7 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Infiltration		
Infiltration Method (Computed)	Average Infiltration Rate	
Infiltration Rate (Average)	0.5900 in/h	
Initial Conditions		
Elevation (Water Surface, Initial)	99.00 ft	
Volume (Initial)	0.000 ft³	
Flow (Initial Outlet)	0.00 ft³/s	
Flow (Initial Infiltration)	0.00 ft³/s	
Flow (Initial, Total)	0.00 ft³/s	
Time Increment	0.050 hours	
Inflow/Outflow Hydrograph Summary		
Flow (Peak In)	1.78 ft³/s	T
Infiltration (Peak)	0.03 ft³/s	T
Flow (Peak Outlet)	0.01 ft³/s	T
Elevation (Water Surface, Peak)	101.55 ft	
Volume (Peak)	3,797.243 ft³	
Mass Balance (ft³)		
Volume (Initial)	0.000 ft³	
Volume (Total Inflow)	5,737,000 ft³	
Volume (Total Infiltration)	4,262,000 ft³	
Volume (Total Outlet Outflow)	157,000 ft³	
Volume (Retained)	1,318,000 ft³	
Volume (Unrouted)	0.000 ft³	
Error (Mass Balance)	0.0 %	

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB7 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average Infiltration Rate
Infiltration Rate (Average)	0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours
Inflow/Outflow Hydrograph Summary	
Flow (Peak In)	3.14 ft³/s
Infiltration (Peak)	0.03 ft³/s
Flow (Peak Outlet)	1.03 ft³/s
Time to Peak (Flow, In)	
Time to Peak (Infiltration)	
Time to Peak (Flow, Outlet)	
12.100 hours	
12.200 hours	
12.200 hours	
Elevation (Water Surface, Peak)	
Volume (Peak)	102.05 ft³
Volume (Peak)	4,401.072 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	10,095.000 ft³
Volume (Total Infiltration)	4,477.000 ft³
Volume (Total Outlet Outflow)	4,216.000 ft³
Volume (Retained)	1,402.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Infiltration Calculations
Label: UGB7 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Average Infiltration Rating Table		
Elevation (Water Surface) (ft)	Area (Total) (ft²)	Flow (Infiltration) (ft³/s)
99.00	2,047.7	0.00
99.10	2,066.0	0.02
99.20	2,084.4	0.02
99.30	2,102.8	0.02
99.40	2,121.4	0.02
99.50	2,140.0	0.02
99.60	2,158.7	0.02
99.70	2,177.5	0.03
99.80	2,196.4	0.03
99.90	2,215.3	0.03
100.00	2,234.4	0.03
100.10	2,253.5	0.03
100.20	2,272.7	0.03
100.30	2,291.9	0.03
100.40	2,311.3	0.03
100.50	2,330.7	0.03
100.60	2,350.2	0.03
100.70	2,369.8	0.03
100.80	2,389.5	0.03
100.90	2,409.2	0.03
101.00	2,429.0	0.03
101.10	2,448.9	0.03
101.20	2,468.9	0.03
101.30	2,489.0	0.03
101.40	2,509.2	0.03
101.50	2,529.4	0.03
101.60	2,549.7	0.03
101.70	2,570.1	0.03
101.80	2,590.5	0.03
101.82	2,594.6	0.03
101.90	2,611.1	0.03
102.00	2,631.7	0.03
102.10	2,652.4	0.03
102.20	2,673.2	0.03
102.30	2,694.1	0.03
102.40	2,715.0	0.03
102.50	2,736.1	0.03

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB7 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	Average
Infiltration Rate (Average)	Infiltration Rate 0.5000 in/h
Initial Conditions	
Elevation (Water Surface, Initial)	99.00 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary			
Flow (Peak In)	(N/A) ft³/s	Time to Peak (Flow, In)	(N/A) hours
Infiltration (Peak)	(N/A) ft³/s	Time to Peak (Infiltration)	(N/A) hours
Flow (Peak Outlet)	(N/A) ft³/s	Time to Peak (Flow, Outlet)	(N/A) hours

Elevation (Water Surface, Peak)	(N/A) ft
Volume (Peak)	(N/A) ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	(N/A) ft³
Volume (Total Infiltration)	(N/A) ft³
Volume (Total Outlet Outflow)	(N/A) ft³
Volume (Retained)	(N/A) ft³
Volume (Unrouted)	(N/A) ft³
Error (Mass Balance)	(N/A) %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB7 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB7'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	DA7 Perv
<Catchment to Outflow Node>	DA7 Imp

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA7 Perv	580.407	12.100	0.19
Flow (From)	DA7 Imp	5,156.948	12.100	1.60
Flow (In)	UGB7	5,737.355	12.100	1.78

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB7 (IN)
Scenario: 10YR Projected
Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB7'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA7 Perv	
<Catchment to Outflow Node>		DA7 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA7 Perv	1,625,368	12.100	0.58
Flow (From)	DA7 Imp	8,469,968	12.100	2.56
Flow (In)	UGB7	10,095,336	12.100	3.14

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB7 (IN)
Scenario: 100YR Projected
Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB7'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA7 Perv	
<Catchment to Outflow Node>		DA7 Imp	

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	DA7 Perv	4,771,978	12.100	1.71
Flow (From)	DA7 Imp	16,126,425	12.100	4.77
Flow (In)	UGB7	20,898,403	12.100	6.48

Basin Routings Projected Rainfall

Subsection: Elevation-Volume-Flow Table (Pond) Return Event: 100 years
Label: UGB9 Storm Event: 100yr Projected NOAA D
Scenario: 100YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Elevation (ft)	Outflow (ft³/s)	Storage (ft³)	Area (acres)	Infiltration (ft³/s)	Flow (Total) (ft³/s)	2S/t + O (ft³/s)
100.30	0.00	0.000	0.000	0.00	0.00	0.00
100.55	0.00	137.724	0.000	0.00	0.00	1.53
100.80	0.00	279.653	0.000	0.00	0.00	3.11
101.05	0.00	568.306	0.000	0.00	0.00	6.31
101.30	0.00	857.538	0.000	0.00	0.00	9.53
101.55	0.56	1,145.313	0.000	0.00	0.56	13.29
101.80	1.59	1,430.932	0.000	0.00	1.59	17.49
102.05	2.92	1,712.245	0.000	0.00	2.92	21.95
102.30	4.50	1,988.238	0.000	0.00	4.50	26.59
102.55	6.29	2,255.355	0.000	0.00	6.29	31.35
102.80	8.27	2,510.788	0.000	0.00	8.27	36.16
103.05	10.42	2,743.545	0.000	0.00	10.42	40.90
103.30	12.73	2,944.999	0.000	0.00	12.73	45.45
103.55	15.19	3,138.583	0.000	0.00	15.19	50.06
103.80	17.79	3,336.947	0.000	0.00	17.79	54.87

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary Return Event: 2 years
Label: UGB9 (IN) Storm Event: 2yr Projected NOAA D
Scenario: 2YR Projected

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	2.04 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	1.63 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours
Elevation (Water Surface, Peak)	101.81 ft		
Volume (Peak)	1,439,898 ft³		
Mass Balance (ft³)			
Volume (Initial)	0.000 ft³		
Volume (Total Inflow)	6,537,000 ft³		
Volume (Total Infiltration)	0.000 ft³		
Volume (Total Outlet Outflow)	5,680,000 ft³		
Volume (Retained)	858,000 ft³		
Volume (Unrouted)	0.000 ft³		
Error (Mass Balance)	0.0 %		

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB9 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.47 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	2.95 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	102.05 ft
Volume (Peak)	1,717.478 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	11,332.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	10,474.000 ft³
Volume (Retained)	858.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Level Pool Pond Routing Summary
Label: UGB9 (IN)
Scenario: 100YR Projected

Return Event: 100 years
Storm Event: 100yr Projected NOAA D

Infiltration	
Infiltration Method (Computed)	No Infiltration
Initial Conditions	
Elevation (Water Surface, Initial)	100.30 ft
Volume (Initial)	0.000 ft³
Flow (Initial Outlet)	0.00 ft³/s
Flow (Initial Infiltration)	0.00 ft³/s
Flow (Initial, Total)	0.00 ft³/s
Time Increment	0.050 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	6.87 ft³/s	Time to Peak (Flow, In)	12.100 hours
Flow (Peak Outlet)	6.23 ft³/s	Time to Peak (Flow, Outlet)	12.100 hours

Elevation (Water Surface, Peak)	102.54 ft
Volume (Peak)	2,246.822 ft³
Mass Balance (ft³)	
Volume (Initial)	0.000 ft³
Volume (Total Inflow)	22,951.000 ft³
Volume (Total Infiltration)	0.000 ft³
Volume (Total Outlet Outflow)	22,093.000 ft³
Volume (Retained)	858.000 ft³
Volume (Unrouted)	0.000 ft³
Error (Mass Balance)	0.0 %

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB9 (IN)
Scenario: 2YR Projected

Return Event: 2 years
Storm Event: 2yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB9'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA9 Perv	
<Catchment to Outflow Node>		DA9 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA9 Perv	415.163	12.150	0.11
Flow (From)	DA9 Imp	6,122.037	12.100	1.95
Flow (In)	UGB9	6,537.201	12.100	2.04

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary
Label: UGB9 (IN)
Scenario: 10YR Projected

Return Event: 10 years
Storm Event: 10yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB9'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA9 Perv	
<Catchment to Outflow Node>		DA9 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA9 Perv	1,162.166	12.150	0.34
Flow (From)	DA9 Imp	10,169.437	12.100	3.15
Flow (In)	UGB9	11,331.603	12.100	3.47

Basin Routings Projected Rainfall

Subsection: Pond Inflow Summary

Label: UGB9 (In)

Scenario: 100YR Projected

Return Event: 100 years

Storm Event: 100yr Projected NOAA D

Summary for Hydrograph Addition at 'UGB9'

Upstream Link		Upstream Node	
<Catchment to Outflow Node>		DA9 Perv	
<Catchment to Outflow Node>		DA9 Imp	

Node Inflows

Inflow Type	Element	Volume (ft³)	Time to Peak (hours)	Flow (Peak) (ft³/s)
Flow (From)	DA9 Perv	3,410,977	12.150	1.01
Flow (From)	DA9 Imp	19,539,623	12.100	5.88
Flow (In)	UGB9	22,950,600	12.100	6.87

Existing and Proposed Tabular Hydrograph Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
0.000	0.00	0.00
0.050	0.00	0.00
0.100	0.00	0.00
0.150	0.00	0.00
0.200	0.00	0.00
0.250	0.00	0.00
0.300	0.00	0.00
0.350	0.00	0.00
0.400	0.00	0.00
0.450	0.00	0.00
0.500	0.00	0.00
0.550	0.00	0.00
0.600	0.00	0.00
0.650	0.00	0.00
0.700	0.00	0.00
0.750	0.00	0.00
0.800	0.00	0.00
0.850	0.00	0.00
0.900	0.00	0.00
0.950	0.00	0.00
1.000	0.00	0.00
1.050	0.00	0.00
1.100	0.00	0.00
1.150	0.00	0.00
1.200	0.00	0.00
1.250	0.00	0.00
1.300	0.00	0.00
1.350	0.00	0.00
1.400	0.00	0.00
1.450	0.00	0.00
1.500	0.00	0.00
1.550	0.00	0.00
1.600	0.00	0.00
1.650	0.00	0.00
1.700	0.00	0.00
1.750	0.00	0.00
1.800	0.00	0.00
1.850	0.00	0.00
1.900	0.00	0.00
1.950	0.00	0.00
2.000	0.00	0.00
2.050	0.00	0.00
2.100	0.00	0.00
2.150	0.00	0.00
2.200	0.00	0.00
2.250	0.00	0.00
2.300	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
2.350	0.00	0.00
2.400	0.00	0.00
2.450	0.00	0.00
2.500	0.00	0.00
2.550	0.00	0.00
2.600	0.00	0.00
2.650	0.00	0.00
2.700	0.00	0.00
2.750	0.00	0.00
2.800	0.00	0.00
2.850	0.00	0.00
2.900	0.00	0.00
2.950	0.00	0.00
3.000	0.00	0.00
3.050	0.00	0.00
3.100	0.00	0.00
3.150	0.00	0.00
3.200	0.00	0.00
3.250	0.00	0.00
3.300	0.00	0.00
3.350	0.00	0.00
3.400	0.00	0.00
3.450	0.00	0.00
3.500	0.00	0.00
3.550	0.00	0.00
3.600	0.00	0.00
3.650	0.00	0.00
3.700	0.00	0.00
3.750	0.00	0.00
3.800	0.00	0.00
3.850	0.00	0.00
3.900	0.00	0.00
3.950	0.00	0.00
4.000	0.00	0.00
4.050	0.00	0.00
4.100	0.00	0.00
4.150	0.00	0.00
4.200	0.00	0.00
4.250	0.00	0.00
4.300	0.00	0.00
4.350	0.00	0.00
4.400	0.00	0.00
4.450	0.00	0.00
4.500	0.00	0.00
4.550	0.00	0.00
4.600	0.00	0.00
4.650	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
4.700	0.00	0.00
4.750	0.00	0.00
4.800	0.00	0.00
4.850	0.00	0.00
4.900	0.00	0.00
4.950	0.00	0.00
5.000	0.00	0.00
5.050	0.00	0.00
5.100	0.00	0.00
5.150	0.00	0.00
5.200	0.00	0.00
5.250	0.00	0.00
5.300	0.00	0.00
5.350	0.00	0.00
5.400	0.00	0.00
5.450	0.00	0.00
5.500	0.00	0.00
5.550	0.00	0.00
5.600	0.00	0.00
5.650	0.00	0.00
5.700	0.00	0.00
5.750	0.00	0.00
5.800	0.00	0.00
5.850	0.00	0.00
5.900	0.00	0.00
5.950	0.00	0.00
6.000	0.00	0.00
6.050	0.00	0.00
6.100	0.00	0.00
6.150	0.00	0.00
6.200	0.00	0.00
6.250	0.00	0.00
6.300	0.00	0.00
6.350	0.00	0.00
6.400	0.00	0.00
6.450	0.00	0.00
6.500	0.00	0.00
6.550	0.00	0.00
6.600	0.00	0.00
6.650	0.00	0.00
6.700	0.00	0.00
6.750	0.00	0.00
6.800	0.00	0.00
6.850	0.00	0.00
6.900	0.00	0.00
6.950	0.00	0.00
7.000	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
7.050	0.00	0.00
7.100	0.00	0.00
7.150	0.00	0.00
7.200	0.00	0.00
7.250	0.00	0.00
7.300	0.00	0.00
7.350	0.00	0.00
7.400	0.00	0.00
7.450	0.00	0.00
7.500	0.00	0.00
7.550	0.00	0.00
7.600	0.00	0.00
7.650	0.00	0.00
7.700	0.00	0.00
7.750	0.00	0.00
7.800	0.00	0.00
7.850	0.00	0.00
7.900	0.00	0.00
7.950	0.00	0.00
8.000	0.00	0.00
8.050	0.00	0.00
8.100	0.00	0.00
8.150	0.00	0.00
8.200	0.00	0.00
8.250	0.00	0.00
8.300	0.00	0.00
8.350	0.00	0.00
8.400	0.00	0.00
8.450	0.00	0.00
8.500	0.00	0.00
8.550	0.00	0.00
8.600	0.00	0.00
8.650	0.00	0.00
8.700	0.00	0.00
8.750	0.00	0.00
8.800	0.00	0.00
8.850	0.00	0.00
8.900	0.00	0.00
8.950	0.00	0.00
9.000	0.00	0.00
9.050	0.00	0.00
9.100	0.00	0.00
9.150	0.00	0.00
9.200	0.00	0.00
9.250	0.00	0.00
9.300	0.00	0.00
9.350	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
9.400	0.00	0.00
9.450	0.00	0.00
9.500	0.00	0.00
9.550	0.00	0.00
9.600	0.00	0.00
9.650	0.00	0.00
9.700	0.00	0.00
9.750	0.00	0.00
9.800	0.00	0.00
9.850	0.00	0.00
9.900	0.00	0.00
9.950	0.00	0.00
10.000	0.00	0.00
10.050	0.00	0.00
10.100	0.00	0.00
10.150	0.00	0.00
10.200	0.00	0.00
10.250	0.00	0.00
10.300	0.00	0.00
10.350	0.00	0.00
10.400	0.00	0.00
10.450	0.00	0.00
10.500	0.00	0.00
10.550	0.00	0.00
10.600	0.00	0.00
10.650	0.00	0.00
10.700	0.00	0.00
10.750	0.00	0.00
10.800	0.00	0.00
10.850	0.00	0.00
10.900	0.00	0.00
10.950	0.00	0.00
11.000	0.00	0.00
11.050	0.00	0.00
11.100	0.00	0.00
11.150	0.00	0.00
11.200	0.00	0.00
11.250	0.00	0.00
11.300	0.00	0.00
11.350	0.00	0.00
11.400	0.00	0.00
11.450	0.00	0.00
11.500	0.02	0.00
11.550	0.04	0.01
11.600	0.07	0.03
11.650	0.11	0.06
11.700	0.14	0.09

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
11.750	0.21	0.15
11.800	0.29	0.22
11.850	0.41	0.33
11.900	0.58	0.48
11.950	0.91	0.78
12.000	1.42	1.25
12.050	2.24	2.02
12.100	3.42	3.14
12.150	3.24	3.00
12.200	2.14	2.00
12.250	1.70	1.59
12.300	1.42	1.33
12.350	1.24	1.17
12.400	1.07	1.01
12.450	1.02	0.96
12.500	1.00	0.94
12.550	0.92	0.87
12.600	0.80	0.76
12.650	0.76	0.72
12.700	0.73	0.69
12.750	0.70	0.67
12.800	0.68	0.65
12.850	0.66	0.62
12.900	0.63	0.60
12.950	0.61	0.58
13.000	0.58	0.55
13.050	0.56	0.53
13.100	0.53	0.50
13.150	0.51	0.48
13.200	0.49	0.47
13.250	0.48	0.45
13.300	0.46	0.44
13.350	0.45	0.42
13.400	0.43	0.41
13.450	0.41	0.39
13.500	0.40	0.38
13.550	0.38	0.36
13.600	0.36	0.34
13.650	0.35	0.34
13.700	0.35	0.33
13.750	0.34	0.33
13.800	0.34	0.32
13.850	0.34	0.32
13.900	0.33	0.32
13.950	0.33	0.31
14.000	0.32	0.31
14.050	0.32	0.31

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
14.100	0.31	0.30
14.150	0.31	0.30
14.200	0.31	0.29
14.250	0.30	0.29
14.300	0.30	0.28
14.350	0.29	0.28
14.400	0.29	0.28
14.450	0.28	0.27
14.500	0.28	0.27
14.550	0.27	0.26
14.600	0.27	0.26
14.650	0.26	0.25
14.700	0.26	0.25
14.750	0.25	0.24
14.800	0.25	0.24
14.850	0.24	0.23
14.900	0.24	0.23
14.950	0.23	0.22
15.000	0.23	0.22
15.050	0.22	0.21
15.100	0.22	0.21
15.150	0.22	0.21
15.200	0.22	0.21
15.250	0.22	0.21
15.300	0.21	0.20
15.350	0.21	0.20
15.400	0.21	0.20
15.450	0.21	0.20
15.500	0.21	0.20
15.550	0.21	0.20
15.600	0.20	0.20
15.650	0.20	0.20
15.700	0.20	0.19
15.750	0.20	0.19
15.800	0.20	0.19
15.850	0.20	0.19
15.900	0.20	0.19
15.950	0.20	0.19
16.000	0.19	0.19
16.050	0.19	0.19
16.100	0.19	0.18
16.150	0.19	0.18
16.200	0.19	0.18
16.250	0.19	0.18
16.300	0.19	0.18
16.350	0.19	0.18
16.400	0.18	0.18

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
16.450	0.18	0.18
16.500	0.18	0.17
16.550	0.18	0.17
16.600	0.18	0.17
16.650	0.18	0.17
16.700	0.18	0.17
16.750	0.17	0.17
16.800	0.17	0.17
16.850	0.17	0.16
16.900	0.17	0.16
16.950	0.17	0.16
17.000	0.17	0.16
17.050	0.17	0.16
17.100	0.16	0.16
17.150	0.16	0.16
17.200	0.16	0.15
17.250	0.16	0.15
17.300	0.16	0.15
17.350	0.16	0.15
17.400	0.15	0.15
17.450	0.15	0.15
17.500	0.15	0.15
17.550	0.15	0.14
17.600	0.15	0.14
17.650	0.15	0.14
17.700	0.15	0.14
17.750	0.14	0.14
17.800	0.14	0.14
17.850	0.14	0.14
17.900	0.14	0.13
17.950	0.14	0.13
18.000	0.14	0.13
18.050	0.14	0.13
18.100	0.13	0.13
18.150	0.13	0.13
18.200	0.13	0.13
18.250	0.13	0.13
18.300	0.13	0.13
18.350	0.13	0.13
18.400	0.13	0.13
18.450	0.13	0.13
18.500	0.13	0.13
18.550	0.13	0.12
18.600	0.13	0.13
18.650	0.13	0.12
18.700	0.13	0.12
18.750	0.13	0.12

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
18.800	0.13	0.12
18.850	0.13	0.12
18.900	0.13	0.12
18.950	0.13	0.12
19.000	0.13	0.12
19.050	0.13	0.12
19.100	0.13	0.12
19.150	0.13	0.12
19.200	0.13	0.12
19.250	0.13	0.12
19.300	0.13	0.12
19.350	0.12	0.12
19.400	0.12	0.12
19.450	0.12	0.12
19.500	0.12	0.12
19.550	0.12	0.12
19.600	0.12	0.12
19.650	0.12	0.12
19.700	0.12	0.12
19.750	0.12	0.12
19.800	0.12	0.12
19.850	0.12	0.12
19.900	0.12	0.12
19.950	0.12	0.12
20.000	0.12	0.12
20.050	0.12	0.12
20.100	0.12	0.12
20.150	0.12	0.12
20.200	0.12	0.11
20.250	0.12	0.11
20.300	0.12	0.11
20.350	0.12	0.11
20.400	0.12	0.11
20.450	0.12	0.11
20.500	0.12	0.11
20.550	0.12	0.11
20.600	0.12	0.11
20.650	0.12	0.11
20.700	0.12	0.11
20.750	0.11	0.11
20.800	0.11	0.11
20.850	0.11	0.11
20.900	0.11	0.11
20.950	0.11	0.11
21.000	0.11	0.11
21.050	0.11	0.11
21.100	0.11	0.11

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
21.150	0.11	0.11
21.200	0.11	0.11
21.250	0.11	0.11
21.300	0.11	0.11
21.350	0.11	0.11
21.400	0.11	0.11
21.450	0.11	0.11
21.500	0.11	0.11
21.550	0.11	0.10
21.600	0.11	0.10
21.650	0.11	0.10
21.700	0.11	0.10
21.750	0.11	0.10
21.800	0.11	0.10
21.850	0.11	0.10
21.900	0.11	0.10
21.950	0.11	0.10
22.000	0.11	0.10
22.050	0.11	0.10
22.100	0.10	0.10
22.150	0.10	0.10
22.200	0.10	0.10
22.250	0.10	0.10
22.300	0.10	0.10
22.350	0.10	0.10
22.400	0.10	0.10
22.450	0.10	0.10
22.500	0.10	0.10
22.550	0.10	0.10
22.600	0.10	0.10
22.650	0.10	0.10
22.700	0.10	0.10
22.750	0.10	0.10
22.800	0.10	0.10
22.850	0.10	0.10
22.900	0.10	0.10
22.950	0.10	0.09
23.000	0.10	0.09
23.050	0.10	0.09
23.100	0.10	0.09
23.150	0.10	0.09
23.200	0.10	0.09
23.250	0.10	0.09
23.300	0.09	0.09
23.350	0.09	0.09
23.400	0.09	0.09
23.450	0.09	0.09

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
23.500	0.09	0.09
23.550	0.09	0.09
23.600	0.09	0.09
23.650	0.09	0.09
23.700	0.09	0.09
23.750	0.09	0.09
23.800	0.09	0.09
23.850	0.09	0.09
23.900	0.09	0.09
23.950	0.09	0.09
24.000	0.09	0.09
24.050	0.06	0.06
24.100	0.02	0.02
24.150	0.00	0.00
24.200	0.00	0.00
24.250	0.00	0.00
24.300	0.00	0.00
24.350	0.00	0.00
24.400	0.00	0.00
24.450	0.00	0.00
24.500	0.00	0.00
24.550	0.00	0.00
24.600	0.00	0.00
24.650	0.00	0.00
24.700	0.00	0.00
24.750	0.00	0.00
24.800	0.00	0.00
24.850	0.00	0.00
24.900	0.00	0.00
24.950	0.00	0.00
25.000	0.00	0.00
25.050	0.00	0.00
25.100	0.00	0.00
25.150	0.00	0.00
25.200	0.00	0.00
25.250	0.00	0.00
25.300	0.00	0.00
25.350	0.00	0.00
25.400	0.00	0.00
25.450	0.00	0.00
25.500	0.00	0.00
25.550	0.00	0.00
25.600	0.00	0.00
25.650	0.00	0.00
25.700	0.00	0.00
25.750	0.00	0.00
25.800	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
25.850	0.00	0.00
25.900	0.00	0.00
25.950	0.00	0.00
26.000	0.00	0.00
26.050	0.00	0.00
26.100	0.00	0.00
26.150	0.00	0.00
26.200	0.00	0.00
26.250	0.00	0.00
26.300	0.00	0.00
26.350	0.00	0.00
26.400	0.00	0.00
26.450	0.00	0.00
26.500	0.00	0.00
26.550	0.00	0.00
26.600	0.00	0.00
26.650	0.00	0.00
26.700	0.00	0.00
26.750	0.00	0.00
26.800	0.00	0.00
26.850	0.00	0.00
26.900	0.00	0.00
26.950	0.00	0.00
27.000	0.00	0.00
27.050	0.00	0.00
27.100	0.00	0.00
27.150	0.00	0.00
27.200	0.00	0.00
27.250	0.00	0.00
27.300	0.00	0.00
27.350	0.00	0.00
27.400	0.00	0.00
27.450	0.00	0.00
27.500	0.00	0.00
27.550	0.00	0.00
27.600	0.00	0.00
27.650	0.00	0.00
27.700	0.00	0.00
27.750	0.00	0.00
27.800	0.00	0.00
27.850	0.00	0.00
27.900	0.00	0.00
27.950	0.00	0.00
28.000	0.00	0.00
28.050	0.00	0.00
28.100	0.00	0.00
28.150	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
28.200	0.00	0.00
28.250	0.00	0.00
28.300	0.00	0.00
28.350	0.00	0.00
28.400	0.00	0.00
28.450	0.00	0.00
28.500	0.00	0.00
28.550	0.00	0.00
28.600	0.00	0.00
28.650	0.00	0.00
28.700	0.00	0.00
28.750	0.00	0.00
28.800	0.00	0.00
28.850	0.00	0.00
28.900	0.00	0.00
28.950	0.00	0.00
29.000	0.00	0.00
29.050	0.00	0.00
29.100	0.00	0.00
29.150	0.00	0.00
29.200	0.00	0.00
29.250	0.00	0.00
29.300	0.00	0.00
29.350	0.00	0.00
29.400	0.00	0.00
29.450	0.00	0.00
29.500	0.00	0.00
29.550	0.00	0.00
29.600	0.00	0.00
29.650	0.00	0.00
29.700	0.00	0.00
29.750	0.00	0.00
29.800	0.00	0.00
29.850	0.00	0.00
29.900	0.00	0.00
29.950	0.00	0.00
30.000	0.00	0.00
30.050	0.00	0.00
30.100	0.00	0.00
30.150	0.00	0.00
30.200	0.00	0.00
30.250	0.00	0.00
30.300	0.00	0.00
30.350	0.00	0.00
30.400	0.00	0.00
30.450	0.00	0.00
30.500	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
30.550	0.00	0.00
30.600	0.00	0.00
30.650	0.00	0.00
30.700	0.00	0.00
30.750	0.00	0.00
30.800	0.00	0.00
30.850	0.00	0.00
30.900	0.00	0.00
30.950	0.00	0.00
31.000	0.00	0.00
31.050	0.00	0.00
31.100	0.00	0.00
31.150	0.00	0.00
31.200	0.00	0.00
31.250	0.00	0.00
31.300	0.00	0.00
31.350	0.00	0.00
31.400	0.00	0.00
31.450	0.00	0.00
31.500	0.00	0.00
31.550	0.00	0.00
31.600	0.00	0.00
31.650	0.00	0.00
31.700	0.00	0.00
31.750	0.00	0.00
31.800	0.00	0.00
31.850	0.00	0.00
31.900	0.00	0.00
31.950	0.00	0.00
32.000	0.00	0.00
32.050	0.00	0.00
32.100	0.00	0.00
32.150	0.00	0.00
32.200	0.00	0.00
32.250	0.00	0.00
32.300	0.00	0.00
32.350	0.00	0.00
32.400	0.00	0.00
32.450	0.00	0.00
32.500	0.00	0.00
32.550	0.00	0.00
32.600	0.00	0.00
32.650	0.00	0.00
32.700	0.00	0.00
32.750	0.00	0.00
32.800	0.00	0.00
32.850	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
32.900	0.00	0.00
32.950	0.00	0.00
33.000	0.00	0.00
33.050	0.00	0.00
33.100	0.00	0.00
33.150	0.00	0.00
33.200	0.00	0.00
33.250	0.00	0.00
33.300	0.00	0.00
33.350	0.00	0.00
33.400	0.00	0.00
33.450	0.00	0.00
33.500	0.00	0.00
33.550	0.00	0.00
33.600	0.00	0.00
33.650	0.00	0.00
33.700	0.00	0.00
33.750	0.00	0.00
33.800	0.00	0.00
33.850	0.00	0.00
33.900	0.00	0.00
33.950	0.00	0.00
34.000	0.00	0.00
34.050	0.00	0.00
34.100	0.00	0.00
34.150	0.00	0.00
34.200	0.00	0.00
34.250	0.00	0.00
34.300	0.00	0.00
34.350	0.00	0.00
34.400	0.00	0.00
34.450	0.00	0.00
34.500	0.00	0.00
34.550	0.00	0.00
34.600	0.00	0.00
34.650	0.00	0.00
34.700	0.00	0.00
34.750	0.00	0.00
34.800	0.00	0.00
34.850	0.00	0.00
34.900	0.00	0.00
34.950	0.00	0.00
35.000	0.00	0.00
35.050	0.00	0.00
35.100	0.00	0.00
35.150	0.00	0.00
35.200	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
35.250	0.00	0.00
35.300	0.00	0.00
35.350	0.00	0.00
35.400	0.00	0.00
35.450	0.00	0.00
35.500	0.00	0.00
35.550	0.00	0.00
35.600	0.00	0.00
35.650	0.00	0.00
35.700	0.00	0.00
35.750	0.00	0.00
35.800	0.00	0.00
35.850	0.00	0.00
35.900	0.00	0.00
35.950	0.00	0.00
36.000	0.00	0.00
36.050	0.00	0.00
36.100	0.00	0.00
36.150	0.00	0.00
36.200	0.00	0.00
36.250	0.00	0.00
36.300	0.00	0.00
36.350	0.00	0.00
36.400	0.00	0.00
36.450	0.00	0.00
36.500	0.00	0.00
36.550	0.00	0.00
36.600	0.00	0.00
36.650	0.00	0.00
36.700	0.00	0.00
36.750	0.00	0.00
36.800	0.00	0.00
36.850	0.00	0.00
36.900	0.00	0.00
36.950	0.00	0.00
37.000	0.00	0.00
37.050	0.00	0.00
37.100	0.00	0.00
37.150	0.00	0.00
37.200	0.00	0.00
37.250	0.00	0.00
37.300	0.00	0.00
37.350	0.00	0.00
37.400	0.00	0.00
37.450	0.00	0.00
37.500	0.00	0.00
37.550	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
37.600	0.00	0.00
37.650	0.00	0.00
37.700	0.00	0.00
37.750	0.00	0.00
37.800	0.00	0.00
37.850	0.00	0.00
37.900	0.00	0.00
37.950	0.00	0.00
38.000	0.00	0.00
38.050	0.00	0.00
38.100	0.00	0.00
38.150	0.00	0.00
38.200	0.00	0.00
38.250	0.00	0.00
38.300	0.00	0.00
38.350	0.00	0.00
38.400	0.00	0.00
38.450	0.00	0.00
38.500	0.00	0.00
38.550	0.00	0.00
38.600	0.00	0.00
38.650	0.00	0.00
38.700	0.00	0.00
38.750	0.00	0.00
38.800	0.00	0.00
38.850	0.00	0.00
38.900	0.00	0.00
38.950	0.00	0.00
39.000	0.00	0.00
39.050	0.00	0.00
39.100	0.00	0.00
39.150	0.00	0.00
39.200	0.00	0.00
39.250	0.00	0.00
39.300	0.00	0.00
39.350	0.00	0.00
39.400	0.00	0.00
39.450	0.00	0.00
39.500	0.00	0.00
39.550	0.00	0.00
39.600	0.00	0.00
39.650	0.00	0.00
39.700	0.00	0.00
39.750	0.00	0.00
39.800	0.00	0.00
39.850	0.00	0.00
39.900	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
39.950	0.00	0.00
40.000	0.00	0.00
40.050	0.00	0.00
40.100	0.00	0.00
40.150	0.00	0.00
40.200	0.00	0.00
40.250	0.00	0.00
40.300	0.00	0.00
40.350	0.00	0.00
40.400	0.00	0.00
40.450	0.00	0.00
40.500	0.00	0.00
40.550	0.00	0.00
40.600	0.00	0.00
40.650	0.00	0.00
40.700	0.00	0.00
40.750	0.00	0.00
40.800	0.00	0.00
40.850	0.00	0.00
40.900	0.00	0.00
40.950	0.00	0.00
41.000	0.00	0.00
41.050	0.00	0.00
41.100	0.00	0.00
41.150	0.00	0.00
41.200	0.00	0.00
41.250	0.00	0.00
41.300	0.00	0.00
41.350	0.00	0.00
41.400	0.00	0.00
41.450	0.00	0.00
41.500	0.00	0.00
41.550	0.00	0.00
41.600	0.00	0.00
41.650	0.00	0.00
41.700	0.00	0.00
41.750	0.00	0.00
41.800	0.00	0.00
41.850	0.00	0.00
41.900	0.00	0.00
41.950	0.00	0.00
42.000	0.00	0.00
42.050	0.00	0.00
42.100	0.00	0.00
42.150	0.00	0.00
42.200	0.00	0.00
42.250	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
42.300	0.00	0.00
42.350	0.00	0.00
42.400	0.00	0.00
42.450	0.00	0.00
42.500	0.00	0.00
42.550	0.00	0.00
42.600	0.00	0.00
42.650	0.00	0.00
42.700	0.00	0.00
42.750	0.00	0.00
42.800	0.00	0.00
42.850	0.00	0.00
42.900	0.00	0.00
42.950	0.00	0.00
43.000	0.00	0.00
43.050	0.00	0.00
43.100	0.00	0.00
43.150	0.00	0.00
43.200	0.00	0.00
43.250	0.00	0.00
43.300	0.00	0.00
43.350	0.00	0.00
43.400	0.00	0.00
43.450	0.00	0.00
43.500	0.00	0.00
43.550	0.00	0.00
43.600	0.00	0.00
43.650	0.00	0.00
43.700	0.00	0.00
43.750	0.00	0.00
43.800	0.00	0.00
43.850	0.00	0.00
43.900	0.00	0.00
43.950	0.00	0.00
44.000	0.00	0.00
44.050	0.00	0.00
44.100	0.00	0.00
44.150	0.00	0.00
44.200	0.00	0.00
44.250	0.00	0.00
44.300	0.00	0.00
44.350	0.00	0.00
44.400	0.00	0.00
44.450	0.00	0.00
44.500	0.00	0.00
44.550	0.00	0.00
44.600	0.00	0.00

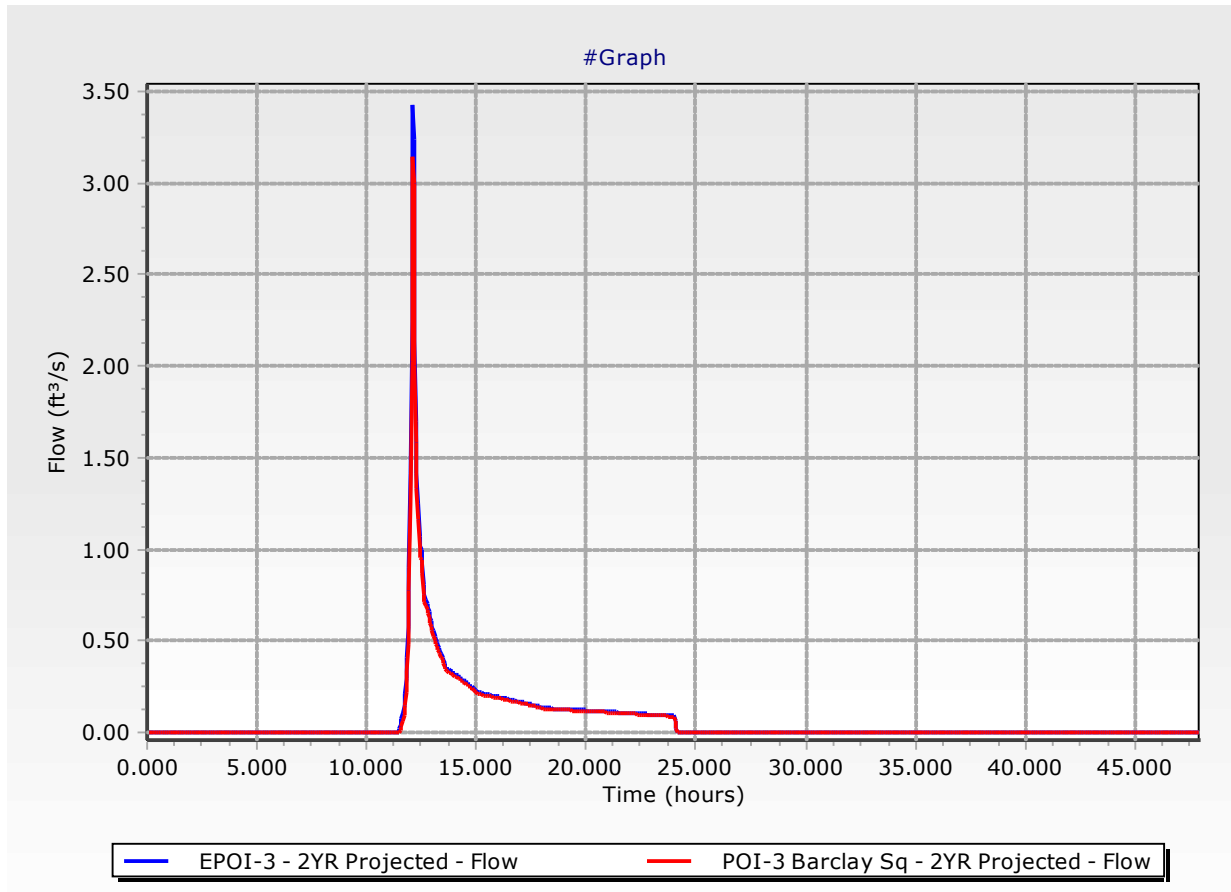
Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
44.650	0.00	0.00
44.700	0.00	0.00
44.750	0.00	0.00
44.800	0.00	0.00
44.850	0.00	0.00
44.900	0.00	0.00
44.950	0.00	0.00
45.000	0.00	0.00
45.050	0.00	0.00
45.100	0.00	0.00
45.150	0.00	0.00
45.200	0.00	0.00
45.250	0.00	0.00
45.300	0.00	0.00
45.350	0.00	0.00
45.400	0.00	0.00
45.450	0.00	0.00
45.500	0.00	0.00
45.550	0.00	0.00
45.600	0.00	0.00
45.650	0.00	0.00
45.700	0.00	0.00
45.750	0.00	0.00
45.800	0.00	0.00
45.850	0.00	0.00
45.900	0.00	0.00
45.950	0.00	0.00
46.000	0.00	0.00
46.050	0.00	0.00
46.100	0.00	0.00
46.150	0.00	0.00
46.200	0.00	0.00
46.250	0.00	0.00
46.300	0.00	0.00
46.350	0.00	0.00
46.400	0.00	0.00
46.450	0.00	0.00
46.500	0.00	0.00
46.550	0.00	0.00
46.600	0.00	0.00
46.650	0.00	0.00
46.700	0.00	0.00
46.750	0.00	0.00
46.800	0.00	0.00
46.850	0.00	0.00
46.900	0.00	0.00
46.950	0.00	0.00

Graph Data Table - 2yr Projected Overlay

Time (hours)	EPOI-3 - 2YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 2YR Projected - Flow (ft ³ /s)
47.000	0.00	0.00
47.050	0.00	0.00
47.100	0.00	0.00
47.150	0.00	0.00
47.200	0.00	0.00
47.250	0.00	0.00
47.300	0.00	0.00
47.350	0.00	0.00
47.400	0.00	0.00
47.450	0.00	0.00
47.500	0.00	0.00
47.550	0.00	0.00
47.600	0.00	0.00
47.650	0.00	0.00
47.700	0.00	0.00
47.750	0.00	0.00
47.800	0.00	0.00
47.850	0.00	0.00
47.900	0.00	0.00
47.950	0.00	0.00
48.000	0.00	0.00

Existing and Proposed Graph Data Table - 2yr Projected Overlay



Existing and Proposed Tabular Hydrograph Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
0.000	0.00	0.00
0.050	0.00	0.00
0.100	0.00	0.00
0.150	0.00	0.00
0.200	0.00	0.00
0.250	0.00	0.00
0.300	0.00	0.00
0.350	0.00	0.00
0.400	0.00	0.00
0.450	0.00	0.00
0.500	0.00	0.00
0.550	0.00	0.00
0.600	0.00	0.00
0.650	0.00	0.00
0.700	0.00	0.00
0.750	0.00	0.00
0.800	0.00	0.00
0.850	0.00	0.00
0.900	0.00	0.00
0.950	0.00	0.00
1.000	0.00	0.00
1.050	0.00	0.00
1.100	0.00	0.00
1.150	0.00	0.00
1.200	0.00	0.00
1.250	0.00	0.00
1.300	0.00	0.00
1.350	0.00	0.00
1.400	0.00	0.00
1.450	0.00	0.00
1.500	0.00	0.00
1.550	0.00	0.00
1.600	0.00	0.00
1.650	0.00	0.00
1.700	0.00	0.00
1.750	0.00	0.00
1.800	0.00	0.00
1.850	0.00	0.00
1.900	0.00	0.00
1.950	0.00	0.00
2.000	0.00	0.00
2.050	0.00	0.00
2.100	0.00	0.00
2.150	0.00	0.00
2.200	0.00	0.00
2.250	0.00	0.00
2.300	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
2.350	0.00	0.00
2.400	0.00	0.00
2.450	0.00	0.00
2.500	0.00	0.00
2.550	0.00	0.00
2.600	0.00	0.00
2.650	0.00	0.00
2.700	0.00	0.00
2.750	0.00	0.00
2.800	0.00	0.00
2.850	0.00	0.00
2.900	0.00	0.00
2.950	0.00	0.00
3.000	0.00	0.00
3.050	0.00	0.00
3.100	0.00	0.00
3.150	0.00	0.00
3.200	0.00	0.00
3.250	0.00	0.00
3.300	0.00	0.00
3.350	0.00	0.00
3.400	0.00	0.00
3.450	0.00	0.00
3.500	0.00	0.00
3.550	0.00	0.00
3.600	0.00	0.00
3.650	0.00	0.00
3.700	0.00	0.00
3.750	0.00	0.00
3.800	0.00	0.00
3.850	0.00	0.00
3.900	0.00	0.00
3.950	0.00	0.00
4.000	0.00	0.00
4.050	0.00	0.00
4.100	0.00	0.00
4.150	0.00	0.00
4.200	0.00	0.00
4.250	0.00	0.00
4.300	0.00	0.00
4.350	0.00	0.00
4.400	0.00	0.00
4.450	0.00	0.00
4.500	0.00	0.00
4.550	0.00	0.00
4.600	0.00	0.00
4.650	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
4.700	0.00	0.00
4.750	0.00	0.00
4.800	0.00	0.00
4.850	0.00	0.00
4.900	0.00	0.00
4.950	0.00	0.00
5.000	0.00	0.00
5.050	0.00	0.00
5.100	0.00	0.00
5.150	0.00	0.00
5.200	0.00	0.00
5.250	0.00	0.00
5.300	0.00	0.00
5.350	0.00	0.00
5.400	0.00	0.00
5.450	0.00	0.00
5.500	0.00	0.00
5.550	0.00	0.00
5.600	0.00	0.00
5.650	0.00	0.00
5.700	0.00	0.00
5.750	0.00	0.00
5.800	0.00	0.00
5.850	0.00	0.00
5.900	0.00	0.00
5.950	0.00	0.00
6.000	0.00	0.00
6.050	0.00	0.00
6.100	0.00	0.00
6.150	0.00	0.00
6.200	0.00	0.00
6.250	0.00	0.00
6.300	0.00	0.00
6.350	0.00	0.00
6.400	0.00	0.00
6.450	0.00	0.00
6.500	0.00	0.00
6.550	0.00	0.00
6.600	0.00	0.00
6.650	0.00	0.00
6.700	0.00	0.00
6.750	0.00	0.00
6.800	0.00	0.00
6.850	0.00	0.00
6.900	0.00	0.00
6.950	0.00	0.00
7.000	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
7.050	0.00	0.00
7.100	0.00	0.00
7.150	0.00	0.00
7.200	0.00	0.00
7.250	0.00	0.00
7.300	0.00	0.00
7.350	0.00	0.00
7.400	0.00	0.00
7.450	0.00	0.00
7.500	0.00	0.00
7.550	0.00	0.00
7.600	0.00	0.00
7.650	0.00	0.00
7.700	0.00	0.00
7.750	0.00	0.00
7.800	0.00	0.00
7.850	0.00	0.00
7.900	0.00	0.00
7.950	0.00	0.00
8.000	0.00	0.00
8.050	0.00	0.00
8.100	0.00	0.00
8.150	0.00	0.00
8.200	0.00	0.00
8.250	0.00	0.00
8.300	0.00	0.00
8.350	0.00	0.00
8.400	0.00	0.00
8.450	0.00	0.00
8.500	0.00	0.00
8.550	0.00	0.00
8.600	0.00	0.00
8.650	0.00	0.00
8.700	0.00	0.00
8.750	0.00	0.00
8.800	0.00	0.00
8.850	0.00	0.00
8.900	0.00	0.00
8.950	0.00	0.00
9.000	0.00	0.00
9.050	0.00	0.00
9.100	0.00	0.00
9.150	0.00	0.00
9.200	0.00	0.00
9.250	0.00	0.00
9.300	0.00	0.00
9.350	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
9.400	0.00	0.00
9.450	0.00	0.00
9.500	0.00	0.00
9.550	0.00	0.00
9.600	0.00	0.00
9.650	0.00	0.00
9.700	0.00	0.00
9.750	0.00	0.00
9.800	0.00	0.00
9.850	0.00	0.00
9.900	0.00	0.00
9.950	0.01	0.00
10.000	0.01	0.00
10.050	0.02	0.00
10.100	0.02	0.00
10.150	0.03	0.01
10.200	0.04	0.02
10.250	0.04	0.02
10.300	0.05	0.03
10.350	0.06	0.04
10.400	0.07	0.05
10.450	0.08	0.05
10.500	0.08	0.05
10.550	0.09	0.06
10.600	0.10	0.08
10.650	0.12	0.09
10.700	0.14	0.11
10.750	0.15	0.12
10.800	0.16	0.13
10.850	0.17	0.14
10.900	0.16	0.13
10.950	0.20	0.17
11.000	0.27	0.23
11.050	0.30	0.26
11.100	0.30	0.26
11.150	0.33	0.29
11.200	0.37	0.32
11.250	0.40	0.36
11.300	0.45	0.40
11.350	0.50	0.45
11.400	0.58	0.52
11.450	0.64	0.57
11.500	0.70	0.63
11.550	0.81	0.74
11.600	0.97	0.88
11.650	1.07	0.98
11.700	1.17	1.08

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
11.750	1.39	1.29
11.800	1.70	1.59
11.850	2.12	1.98
11.900	2.65	2.49
11.950	3.71	3.50
12.000	5.23	4.95
12.050	7.43	7.08
12.100	10.36	9.93
12.150	9.25	8.87
12.200	5.89	5.68
12.250	4.53	4.36
12.300	3.70	3.57
12.350	3.20	3.09
12.400	2.72	2.63
12.450	2.57	2.48
12.500	2.49	2.41
12.550	2.28	2.21
12.600	1.98	1.92
12.650	1.86	1.80
12.700	1.78	1.72
12.750	1.71	1.66
12.800	1.65	1.60
12.850	1.59	1.54
12.900	1.52	1.47
12.950	1.46	1.41
13.000	1.39	1.35
13.050	1.32	1.28
13.100	1.25	1.21
13.150	1.20	1.17
13.200	1.16	1.13
13.250	1.12	1.09
13.300	1.08	1.05
13.350	1.04	1.02
13.400	1.00	0.97
13.450	0.96	0.94
13.500	0.92	0.90
13.550	0.88	0.86
13.600	0.84	0.82
13.650	0.82	0.80
13.700	0.81	0.78
13.750	0.80	0.77
13.800	0.78	0.76
13.850	0.77	0.75
13.900	0.76	0.74
13.950	0.75	0.73
14.000	0.74	0.72
14.050	0.73	0.71

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
14.100	0.72	0.70
14.150	0.71	0.69
14.200	0.70	0.68
14.250	0.69	0.67
14.300	0.68	0.66
14.350	0.67	0.65
14.400	0.65	0.64
14.450	0.64	0.63
14.500	0.63	0.62
14.550	0.62	0.61
14.600	0.61	0.59
14.650	0.60	0.58
14.700	0.59	0.57
14.750	0.58	0.56
14.800	0.56	0.55
14.850	0.55	0.54
14.900	0.54	0.53
14.950	0.53	0.51
15.000	0.52	0.50
15.050	0.50	0.49
15.100	0.49	0.47
15.150	0.48	0.47
15.200	0.49	0.47
15.250	0.48	0.47
15.300	0.48	0.47
15.350	0.47	0.46
15.400	0.47	0.46
15.450	0.47	0.46
15.500	0.46	0.45
15.550	0.46	0.45
15.600	0.46	0.45
15.650	0.45	0.44
15.700	0.45	0.44
15.750	0.45	0.44
15.800	0.44	0.43
15.850	0.44	0.43
15.900	0.44	0.43
15.950	0.44	0.43
16.000	0.43	0.42
16.050	0.43	0.42
16.100	0.43	0.42
16.150	0.42	0.41
16.200	0.42	0.41
16.250	0.42	0.41
16.300	0.41	0.40
16.350	0.41	0.40
16.400	0.41	0.40

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
16.450	0.40	0.39
16.500	0.40	0.39
16.550	0.40	0.39
16.600	0.39	0.38
16.650	0.39	0.38
16.700	0.39	0.38
16.750	0.38	0.37
16.800	0.38	0.37
16.850	0.38	0.37
16.900	0.37	0.36
16.950	0.37	0.36
17.000	0.37	0.36
17.050	0.36	0.35
17.100	0.36	0.35
17.150	0.36	0.35
17.200	0.35	0.34
17.250	0.35	0.34
17.300	0.35	0.34
17.350	0.34	0.33
17.400	0.34	0.33
17.450	0.34	0.33
17.500	0.33	0.32
17.550	0.33	0.32
17.600	0.32	0.32
17.650	0.32	0.31
17.700	0.32	0.31
17.750	0.32	0.31
17.800	0.31	0.30
17.850	0.31	0.30
17.900	0.30	0.30
17.950	0.30	0.29
18.000	0.30	0.29
18.050	0.29	0.29
18.100	0.29	0.28
18.150	0.29	0.28
18.200	0.29	0.28
18.250	0.29	0.28
18.300	0.29	0.28
18.350	0.29	0.28
18.400	0.28	0.28
18.450	0.28	0.28
18.500	0.28	0.28
18.550	0.28	0.28
18.600	0.28	0.28
18.650	0.28	0.27
18.700	0.28	0.27
18.750	0.28	0.27

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
18.800	0.28	0.27
18.850	0.28	0.27
18.900	0.28	0.27
18.950	0.28	0.27
19.000	0.27	0.27
19.050	0.27	0.27
19.100	0.27	0.27
19.150	0.27	0.27
19.200	0.27	0.27
19.250	0.27	0.27
19.300	0.27	0.26
19.350	0.27	0.26
19.400	0.27	0.26
19.450	0.27	0.26
19.500	0.27	0.26
19.550	0.27	0.26
19.600	0.26	0.26
19.650	0.26	0.26
19.700	0.26	0.26
19.750	0.26	0.26
19.800	0.26	0.26
19.850	0.26	0.26
19.900	0.26	0.25
19.950	0.26	0.25
20.000	0.26	0.25
20.050	0.26	0.25
20.100	0.26	0.25
20.150	0.26	0.25
20.200	0.26	0.25
20.250	0.25	0.25
20.300	0.25	0.25
20.350	0.25	0.25
20.400	0.25	0.25
20.450	0.25	0.25
20.500	0.25	0.24
20.550	0.25	0.24
20.600	0.25	0.24
20.650	0.25	0.24
20.700	0.25	0.24
20.750	0.25	0.24
20.800	0.24	0.24
20.850	0.24	0.24
20.900	0.24	0.24
20.950	0.24	0.24
21.000	0.24	0.24
21.050	0.24	0.24
21.100	0.24	0.23

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
21.150	0.24	0.23
21.200	0.24	0.23
21.250	0.24	0.23
21.300	0.24	0.23
21.350	0.24	0.23
21.400	0.24	0.23
21.450	0.23	0.23
21.500	0.23	0.23
21.550	0.23	0.23
21.600	0.23	0.23
21.650	0.23	0.23
21.700	0.23	0.22
21.750	0.23	0.22
21.800	0.23	0.22
21.850	0.23	0.22
21.900	0.23	0.22
21.950	0.23	0.22
22.000	0.22	0.22
22.050	0.22	0.22
22.100	0.22	0.22
22.150	0.22	0.22
22.200	0.22	0.22
22.250	0.22	0.22
22.300	0.22	0.21
22.350	0.22	0.21
22.400	0.22	0.21
22.450	0.22	0.21
22.500	0.22	0.21
22.550	0.21	0.21
22.600	0.21	0.21
22.650	0.21	0.21
22.700	0.21	0.21
22.750	0.21	0.21
22.800	0.21	0.21
22.850	0.21	0.21
22.900	0.21	0.20
22.950	0.21	0.20
23.000	0.21	0.20
23.050	0.21	0.20
23.100	0.21	0.20
23.150	0.20	0.20
23.200	0.20	0.20
23.250	0.20	0.20
23.300	0.20	0.20
23.350	0.20	0.20
23.400	0.20	0.20
23.450	0.20	0.19

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
23.500	0.20	0.19
23.550	0.20	0.19
23.600	0.20	0.19
23.650	0.20	0.19
23.700	0.19	0.19
23.750	0.19	0.19
23.800	0.19	0.19
23.850	0.19	0.19
23.900	0.19	0.19
23.950	0.19	0.19
24.000	0.19	0.19
24.050	0.13	0.13
24.100	0.04	0.04
24.150	0.01	0.01
24.200	0.00	0.00
24.250	0.00	0.00
24.300	0.00	0.00
24.350	0.00	0.00
24.400	0.00	0.00
24.450	0.00	0.00
24.500	0.00	0.00
24.550	0.00	0.00
24.600	0.00	0.00
24.650	0.00	0.00
24.700	0.00	0.00
24.750	0.00	0.00
24.800	0.00	0.00
24.850	0.00	0.00
24.900	0.00	0.00
24.950	0.00	0.00
25.000	0.00	0.00
25.050	0.00	0.00
25.100	0.00	0.00
25.150	0.00	0.00
25.200	0.00	0.00
25.250	0.00	0.00
25.300	0.00	0.00
25.350	0.00	0.00
25.400	0.00	0.00
25.450	0.00	0.00
25.500	0.00	0.00
25.550	0.00	0.00
25.600	0.00	0.00
25.650	0.00	0.00
25.700	0.00	0.00
25.750	0.00	0.00
25.800	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
25.850	0.00	0.00
25.900	0.00	0.00
25.950	0.00	0.00
26.000	0.00	0.00
26.050	0.00	0.00
26.100	0.00	0.00
26.150	0.00	0.00
26.200	0.00	0.00
26.250	0.00	0.00
26.300	0.00	0.00
26.350	0.00	0.00
26.400	0.00	0.00
26.450	0.00	0.00
26.500	0.00	0.00
26.550	0.00	0.00
26.600	0.00	0.00
26.650	0.00	0.00
26.700	0.00	0.00
26.750	0.00	0.00
26.800	0.00	0.00
26.850	0.00	0.00
26.900	0.00	0.00
26.950	0.00	0.00
27.000	0.00	0.00
27.050	0.00	0.00
27.100	0.00	0.00
27.150	0.00	0.00
27.200	0.00	0.00
27.250	0.00	0.00
27.300	0.00	0.00
27.350	0.00	0.00
27.400	0.00	0.00
27.450	0.00	0.00
27.500	0.00	0.00
27.550	0.00	0.00
27.600	0.00	0.00
27.650	0.00	0.00
27.700	0.00	0.00
27.750	0.00	0.00
27.800	0.00	0.00
27.850	0.00	0.00
27.900	0.00	0.00
27.950	0.00	0.00
28.000	0.00	0.00
28.050	0.00	0.00
28.100	0.00	0.00
28.150	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
28.200	0.00	0.00
28.250	0.00	0.00
28.300	0.00	0.00
28.350	0.00	0.00
28.400	0.00	0.00
28.450	0.00	0.00
28.500	0.00	0.00
28.550	0.00	0.00
28.600	0.00	0.00
28.650	0.00	0.00
28.700	0.00	0.00
28.750	0.00	0.00
28.800	0.00	0.00
28.850	0.00	0.00
28.900	0.00	0.00
28.950	0.00	0.00
29.000	0.00	0.00
29.050	0.00	0.00
29.100	0.00	0.00
29.150	0.00	0.00
29.200	0.00	0.00
29.250	0.00	0.00
29.300	0.00	0.00
29.350	0.00	0.00
29.400	0.00	0.00
29.450	0.00	0.00
29.500	0.00	0.00
29.550	0.00	0.00
29.600	0.00	0.00
29.650	0.00	0.00
29.700	0.00	0.00
29.750	0.00	0.00
29.800	0.00	0.00
29.850	0.00	0.00
29.900	0.00	0.00
29.950	0.00	0.00
30.000	0.00	0.00
30.050	0.00	0.00
30.100	0.00	0.00
30.150	0.00	0.00
30.200	0.00	0.00
30.250	0.00	0.00
30.300	0.00	0.00
30.350	0.00	0.00
30.400	0.00	0.00
30.450	0.00	0.00
30.500	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
30.550	0.00	0.00
30.600	0.00	0.00
30.650	0.00	0.00
30.700	0.00	0.00
30.750	0.00	0.00
30.800	0.00	0.00
30.850	0.00	0.00
30.900	0.00	0.00
30.950	0.00	0.00
31.000	0.00	0.00
31.050	0.00	0.00
31.100	0.00	0.00
31.150	0.00	0.00
31.200	0.00	0.00
31.250	0.00	0.00
31.300	0.00	0.00
31.350	0.00	0.00
31.400	0.00	0.00
31.450	0.00	0.00
31.500	0.00	0.00
31.550	0.00	0.00
31.600	0.00	0.00
31.650	0.00	0.00
31.700	0.00	0.00
31.750	0.00	0.00
31.800	0.00	0.00
31.850	0.00	0.00
31.900	0.00	0.00
31.950	0.00	0.00
32.000	0.00	0.00
32.050	0.00	0.00
32.100	0.00	0.00
32.150	0.00	0.00
32.200	0.00	0.00
32.250	0.00	0.00
32.300	0.00	0.00
32.350	0.00	0.00
32.400	0.00	0.00
32.450	0.00	0.00
32.500	0.00	0.00
32.550	0.00	0.00
32.600	0.00	0.00
32.650	0.00	0.00
32.700	0.00	0.00
32.750	0.00	0.00
32.800	0.00	0.00
32.850	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
32.900	0.00	0.00
32.950	0.00	0.00
33.000	0.00	0.00
33.050	0.00	0.00
33.100	0.00	0.00
33.150	0.00	0.00
33.200	0.00	0.00
33.250	0.00	0.00
33.300	0.00	0.00
33.350	0.00	0.00
33.400	0.00	0.00
33.450	0.00	0.00
33.500	0.00	0.00
33.550	0.00	0.00
33.600	0.00	0.00
33.650	0.00	0.00
33.700	0.00	0.00
33.750	0.00	0.00
33.800	0.00	0.00
33.850	0.00	0.00
33.900	0.00	0.00
33.950	0.00	0.00
34.000	0.00	0.00
34.050	0.00	0.00
34.100	0.00	0.00
34.150	0.00	0.00
34.200	0.00	0.00
34.250	0.00	0.00
34.300	0.00	0.00
34.350	0.00	0.00
34.400	0.00	0.00
34.450	0.00	0.00
34.500	0.00	0.00
34.550	0.00	0.00
34.600	0.00	0.00
34.650	0.00	0.00
34.700	0.00	0.00
34.750	0.00	0.00
34.800	0.00	0.00
34.850	0.00	0.00
34.900	0.00	0.00
34.950	0.00	0.00
35.000	0.00	0.00
35.050	0.00	0.00
35.100	0.00	0.00
35.150	0.00	0.00
35.200	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
35.250	0.00	0.00
35.300	0.00	0.00
35.350	0.00	0.00
35.400	0.00	0.00
35.450	0.00	0.00
35.500	0.00	0.00
35.550	0.00	0.00
35.600	0.00	0.00
35.650	0.00	0.00
35.700	0.00	0.00
35.750	0.00	0.00
35.800	0.00	0.00
35.850	0.00	0.00
35.900	0.00	0.00
35.950	0.00	0.00
36.000	0.00	0.00
36.050	0.00	0.00
36.100	0.00	0.00
36.150	0.00	0.00
36.200	0.00	0.00
36.250	0.00	0.00
36.300	0.00	0.00
36.350	0.00	0.00
36.400	0.00	0.00
36.450	0.00	0.00
36.500	0.00	0.00
36.550	0.00	0.00
36.600	0.00	0.00
36.650	0.00	0.00
36.700	0.00	0.00
36.750	0.00	0.00
36.800	0.00	0.00
36.850	0.00	0.00
36.900	0.00	0.00
36.950	0.00	0.00
37.000	0.00	0.00
37.050	0.00	0.00
37.100	0.00	0.00
37.150	0.00	0.00
37.200	0.00	0.00
37.250	0.00	0.00
37.300	0.00	0.00
37.350	0.00	0.00
37.400	0.00	0.00
37.450	0.00	0.00
37.500	0.00	0.00
37.550	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
37.600	0.00	0.00
37.650	0.00	0.00
37.700	0.00	0.00
37.750	0.00	0.00
37.800	0.00	0.00
37.850	0.00	0.00
37.900	0.00	0.00
37.950	0.00	0.00
38.000	0.00	0.00
38.050	0.00	0.00
38.100	0.00	0.00
38.150	0.00	0.00
38.200	0.00	0.00
38.250	0.00	0.00
38.300	0.00	0.00
38.350	0.00	0.00
38.400	0.00	0.00
38.450	0.00	0.00
38.500	0.00	0.00
38.550	0.00	0.00
38.600	0.00	0.00
38.650	0.00	0.00
38.700	0.00	0.00
38.750	0.00	0.00
38.800	0.00	0.00
38.850	0.00	0.00
38.900	0.00	0.00
38.950	0.00	0.00
39.000	0.00	0.00
39.050	0.00	0.00
39.100	0.00	0.00
39.150	0.00	0.00
39.200	0.00	0.00
39.250	0.00	0.00
39.300	0.00	0.00
39.350	0.00	0.00
39.400	0.00	0.00
39.450	0.00	0.00
39.500	0.00	0.00
39.550	0.00	0.00
39.600	0.00	0.00
39.650	0.00	0.00
39.700	0.00	0.00
39.750	0.00	0.00
39.800	0.00	0.00
39.850	0.00	0.00
39.900	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
39.950	0.00	0.00
40.000	0.00	0.00
40.050	0.00	0.00
40.100	0.00	0.00
40.150	0.00	0.00
40.200	0.00	0.00
40.250	0.00	0.00
40.300	0.00	0.00
40.350	0.00	0.00
40.400	0.00	0.00
40.450	0.00	0.00
40.500	0.00	0.00
40.550	0.00	0.00
40.600	0.00	0.00
40.650	0.00	0.00
40.700	0.00	0.00
40.750	0.00	0.00
40.800	0.00	0.00
40.850	0.00	0.00
40.900	0.00	0.00
40.950	0.00	0.00
41.000	0.00	0.00
41.050	0.00	0.00
41.100	0.00	0.00
41.150	0.00	0.00
41.200	0.00	0.00
41.250	0.00	0.00
41.300	0.00	0.00
41.350	0.00	0.00
41.400	0.00	0.00
41.450	0.00	0.00
41.500	0.00	0.00
41.550	0.00	0.00
41.600	0.00	0.00
41.650	0.00	0.00
41.700	0.00	0.00
41.750	0.00	0.00
41.800	0.00	0.00
41.850	0.00	0.00
41.900	0.00	0.00
41.950	0.00	0.00
42.000	0.00	0.00
42.050	0.00	0.00
42.100	0.00	0.00
42.150	0.00	0.00
42.200	0.00	0.00
42.250	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
42.300	0.00	0.00
42.350	0.00	0.00
42.400	0.00	0.00
42.450	0.00	0.00
42.500	0.00	0.00
42.550	0.00	0.00
42.600	0.00	0.00
42.650	0.00	0.00
42.700	0.00	0.00
42.750	0.00	0.00
42.800	0.00	0.00
42.850	0.00	0.00
42.900	0.00	0.00
42.950	0.00	0.00
43.000	0.00	0.00
43.050	0.00	0.00
43.100	0.00	0.00
43.150	0.00	0.00
43.200	0.00	0.00
43.250	0.00	0.00
43.300	0.00	0.00
43.350	0.00	0.00
43.400	0.00	0.00
43.450	0.00	0.00
43.500	0.00	0.00
43.550	0.00	0.00
43.600	0.00	0.00
43.650	0.00	0.00
43.700	0.00	0.00
43.750	0.00	0.00
43.800	0.00	0.00
43.850	0.00	0.00
43.900	0.00	0.00
43.950	0.00	0.00
44.000	0.00	0.00
44.050	0.00	0.00
44.100	0.00	0.00
44.150	0.00	0.00
44.200	0.00	0.00
44.250	0.00	0.00
44.300	0.00	0.00
44.350	0.00	0.00
44.400	0.00	0.00
44.450	0.00	0.00
44.500	0.00	0.00
44.550	0.00	0.00
44.600	0.00	0.00

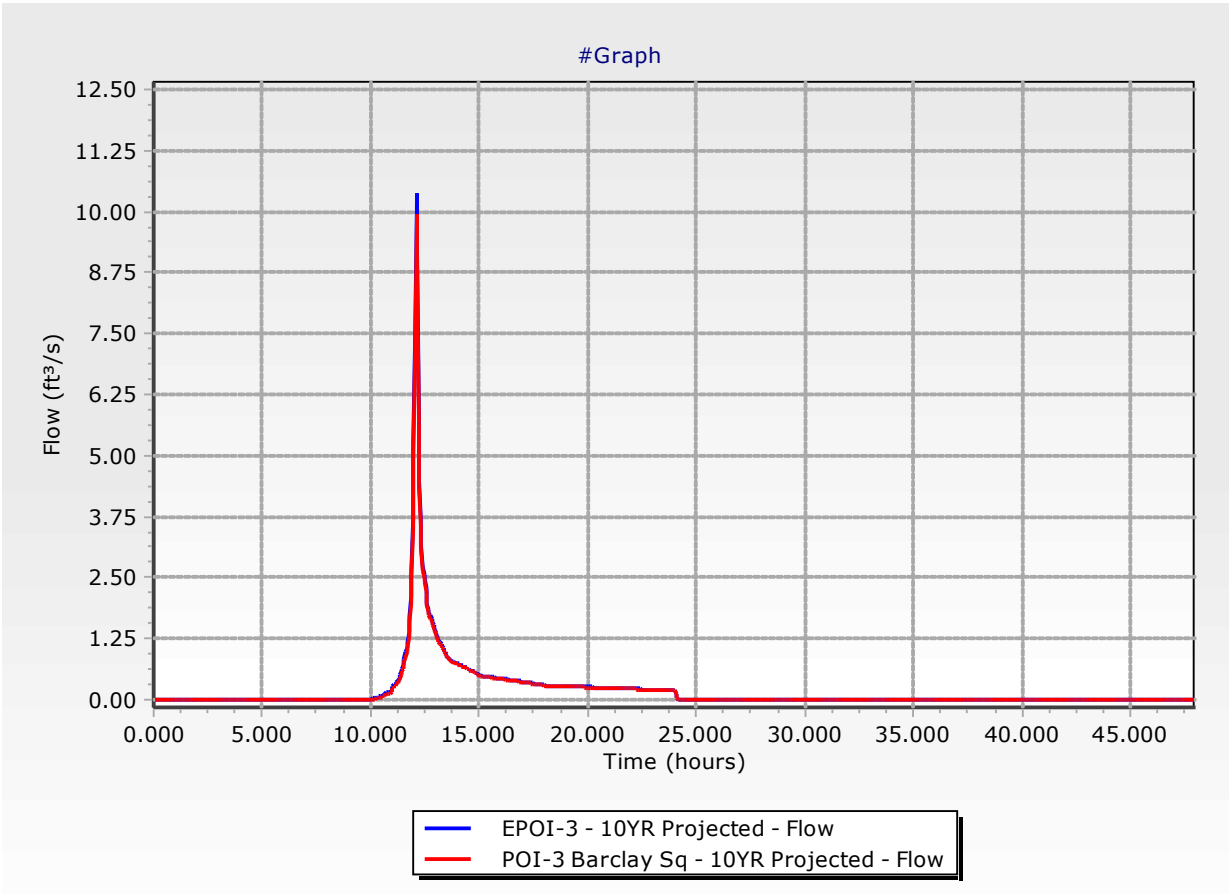
Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
44.650	0.00	0.00
44.700	0.00	0.00
44.750	0.00	0.00
44.800	0.00	0.00
44.850	0.00	0.00
44.900	0.00	0.00
44.950	0.00	0.00
45.000	0.00	0.00
45.050	0.00	0.00
45.100	0.00	0.00
45.150	0.00	0.00
45.200	0.00	0.00
45.250	0.00	0.00
45.300	0.00	0.00
45.350	0.00	0.00
45.400	0.00	0.00
45.450	0.00	0.00
45.500	0.00	0.00
45.550	0.00	0.00
45.600	0.00	0.00
45.650	0.00	0.00
45.700	0.00	0.00
45.750	0.00	0.00
45.800	0.00	0.00
45.850	0.00	0.00
45.900	0.00	0.00
45.950	0.00	0.00
46.000	0.00	0.00
46.050	0.00	0.00
46.100	0.00	0.00
46.150	0.00	0.00
46.200	0.00	0.00
46.250	0.00	0.00
46.300	0.00	0.00
46.350	0.00	0.00
46.400	0.00	0.00
46.450	0.00	0.00
46.500	0.00	0.00
46.550	0.00	0.00
46.600	0.00	0.00
46.650	0.00	0.00
46.700	0.00	0.00
46.750	0.00	0.00
46.800	0.00	0.00
46.850	0.00	0.00
46.900	0.00	0.00
46.950	0.00	0.00

Graph Data Table - 10yr Projected Overlay

Time (hours)	EPOI-3 - 10YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 10YR Projected - Flow (ft ³ /s)
47.000	0.00	0.00
47.050	0.00	0.00
47.100	0.00	0.00
47.150	0.00	0.00
47.200	0.00	0.00
47.250	0.00	0.00
47.300	0.00	0.00
47.350	0.00	0.00
47.400	0.00	0.00
47.450	0.00	0.00
47.500	0.00	0.00
47.550	0.00	0.00
47.600	0.00	0.00
47.650	0.00	0.00
47.700	0.00	0.00
47.750	0.00	0.00
47.800	0.00	0.00
47.850	0.00	0.00
47.900	0.00	0.00
47.950	0.00	0.00
48.000	0.00	0.00

Existing and Proposed
Graph Data Table - 10yr Projected Overlay



Existing and Proposed Tabular Hydrograph Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
0.000	0.00	0.00
0.050	0.00	0.00
0.100	0.00	0.00
0.150	0.00	0.00
0.200	0.00	0.00
0.250	0.00	0.00
0.300	0.00	0.00
0.350	0.00	0.00
0.400	0.00	0.00
0.450	0.00	0.00
0.500	0.00	0.00
0.550	0.00	0.00
0.600	0.00	0.00
0.650	0.00	0.00
0.700	0.00	0.00
0.750	0.00	0.00
0.800	0.00	0.00
0.850	0.00	0.00
0.900	0.00	0.00
0.950	0.00	0.00
1.000	0.00	0.00
1.050	0.00	0.00
1.100	0.00	0.00
1.150	0.00	0.00
1.200	0.00	0.00
1.250	0.00	0.00
1.300	0.00	0.00
1.350	0.00	0.00
1.400	0.00	0.00
1.450	0.00	0.00
1.500	0.00	0.00
1.550	0.00	0.00
1.600	0.00	0.00
1.650	0.00	0.00
1.700	0.00	0.00
1.750	0.00	0.00
1.800	0.00	0.00
1.850	0.00	0.00
1.900	0.00	0.00
1.950	0.00	0.00
2.000	0.00	0.00
2.050	0.00	0.00
2.100	0.00	0.00
2.150	0.00	0.00
2.200	0.00	0.00
2.250	0.00	0.00
2.300	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
2.350	0.00	0.00
2.400	0.00	0.00
2.450	0.00	0.00
2.500	0.00	0.00
2.550	0.00	0.00
2.600	0.00	0.00
2.650	0.00	0.00
2.700	0.00	0.00
2.750	0.00	0.00
2.800	0.00	0.00
2.850	0.00	0.00
2.900	0.00	0.00
2.950	0.00	0.00
3.000	0.00	0.00
3.050	0.00	0.00
3.100	0.00	0.00
3.150	0.00	0.00
3.200	0.00	0.00
3.250	0.00	0.00
3.300	0.00	0.00
3.350	0.00	0.00
3.400	0.00	0.00
3.450	0.00	0.00
3.500	0.00	0.00
3.550	0.00	0.00
3.600	0.00	0.00
3.650	0.00	0.00
3.700	0.00	0.00
3.750	0.00	0.00
3.800	0.00	0.00
3.850	0.00	0.00
3.900	0.00	0.00
3.950	0.00	0.00
4.000	0.00	0.00
4.050	0.00	0.00
4.100	0.00	0.00
4.150	0.00	0.00
4.200	0.00	0.00
4.250	0.00	0.00
4.300	0.00	0.00
4.350	0.00	0.00
4.400	0.00	0.00
4.450	0.00	0.00
4.500	0.00	0.00
4.550	0.00	0.00
4.600	0.00	0.00
4.650	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
4.700	0.00	0.00
4.750	0.00	0.00
4.800	0.00	0.00
4.850	0.00	0.00
4.900	0.00	0.00
4.950	0.00	0.00
5.000	0.00	0.00
5.050	0.00	0.00
5.100	0.00	0.00
5.150	0.00	0.00
5.200	0.00	0.00
5.250	0.00	0.00
5.300	0.00	0.00
5.350	0.00	0.00
5.400	0.00	0.00
5.450	0.00	0.00
5.500	0.00	0.00
5.550	0.00	0.00
5.600	0.00	0.00
5.650	0.00	0.00
5.700	0.00	0.00
5.750	0.00	0.00
5.800	0.00	0.00
5.850	0.00	0.00
5.900	0.00	0.00
5.950	0.00	0.00
6.000	0.00	0.00
6.050	0.00	0.00
6.100	0.00	0.00
6.150	0.00	0.00
6.200	0.00	0.00
6.250	0.00	0.00
6.300	0.00	0.00
6.350	0.00	0.00
6.400	0.00	0.00
6.450	0.00	0.00
6.500	0.00	0.00
6.550	0.00	0.00
6.600	0.00	0.00
6.650	0.00	0.00
6.700	0.00	0.00
6.750	0.00	0.00
6.800	0.00	0.00
6.850	0.00	0.00
6.900	0.00	0.00
6.950	0.00	0.00
7.000	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
7.050	0.01	0.00
7.100	0.01	0.00
7.150	0.01	0.00
7.200	0.02	0.00
7.250	0.03	0.01
7.300	0.04	0.01
7.350	0.04	0.02
7.400	0.04	0.02
7.450	0.05	0.03
7.500	0.06	0.04
7.550	0.06	0.04
7.600	0.05	0.04
7.650	0.06	0.05
7.700	0.08	0.06
7.750	0.08	0.06
7.800	0.07	0.05
7.850	0.08	0.06
7.900	0.10	0.08
7.950	0.12	0.09
8.000	0.12	0.10
8.050	0.12	0.09
8.100	0.10	0.08
8.150	0.11	0.09
8.200	0.14	0.12
8.250	0.15	0.13
8.300	0.16	0.13
8.350	0.15	0.13
8.400	0.13	0.11
8.450	0.14	0.12
8.500	0.17	0.15
8.550	0.19	0.16
8.600	0.19	0.17
8.650	0.20	0.18
8.700	0.21	0.18
8.750	0.21	0.19
8.800	0.22	0.19
8.850	0.25	0.22
8.900	0.30	0.26
8.950	0.26	0.23
9.000	0.19	0.17
9.050	0.17	0.16
9.100	0.17	0.15
9.150	0.26	0.23
9.200	0.39	0.35
9.250	0.41	0.37
9.300	0.39	0.35
9.350	0.39	0.35

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
9.400	0.40	0.36
9.450	0.37	0.34
9.500	0.33	0.30
9.550	0.36	0.33
9.600	0.41	0.38
9.650	0.47	0.43
9.700	0.54	0.50
9.750	0.53	0.49
9.800	0.49	0.45
9.850	0.48	0.45
9.900	0.49	0.45
9.950	0.54	0.50
10.000	0.61	0.57
10.050	0.64	0.60
10.100	0.66	0.61
10.150	0.67	0.63
10.200	0.69	0.64
10.250	0.70	0.65
10.300	0.71	0.67
10.350	0.77	0.72
10.400	0.86	0.80
10.450	0.84	0.79
10.500	0.79	0.74
10.550	0.83	0.79
10.600	0.92	0.87
10.650	1.01	0.95
10.700	1.11	1.05
10.750	1.16	1.10
10.800	1.18	1.12
10.850	1.15	1.09
10.900	1.08	1.03
10.950	1.31	1.25
11.000	1.68	1.60
11.050	1.76	1.67
11.100	1.73	1.65
11.150	1.80	1.72
11.200	1.92	1.84
11.250	2.05	1.96
11.300	2.20	2.11
11.350	2.41	2.31
11.400	2.67	2.56
11.450	2.86	2.74
11.500	3.04	2.92
11.550	3.43	3.30
11.600	3.96	3.82
11.650	4.26	4.11
11.700	4.51	4.36

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
11.750	5.22	5.05
11.800	6.21	6.02
11.850	7.48	7.26
11.900	9.06	8.81
11.950	12.20	11.88
12.000	16.54	16.11
12.050	22.43	21.91
12.100	29.87	29.27
12.150	25.82	25.27
12.200	16.06	15.79
12.250	12.14	11.90
12.300	9.79	9.62
12.350	8.38	8.24
12.400	7.08	6.96
12.450	6.63	6.52
12.500	6.40	6.30
12.550	5.83	5.74
12.600	5.04	4.97
12.650	4.71	4.64
12.700	4.49	4.42
12.750	4.32	4.25
12.800	4.14	4.08
12.850	3.98	3.92
12.900	3.79	3.74
12.950	3.63	3.58
13.000	3.45	3.40
13.050	3.28	3.23
13.100	3.09	3.05
13.150	2.97	2.93
13.200	2.86	2.82
13.250	2.77	2.73
13.300	2.66	2.62
13.350	2.56	2.53
13.400	2.46	2.42
13.450	2.36	2.33
13.500	2.25	2.22
13.550	2.15	2.12
13.600	2.04	2.02
13.650	1.99	1.97
13.700	1.96	1.93
13.750	1.93	1.91
13.800	1.90	1.88
13.850	1.88	1.85
13.900	1.85	1.82
13.950	1.82	1.80
14.000	1.79	1.77
14.050	1.77	1.75

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
14.100	1.74	1.72
14.150	1.71	1.69
14.200	1.68	1.66
14.250	1.66	1.64
14.300	1.63	1.61
14.350	1.60	1.58
14.400	1.57	1.55
14.450	1.54	1.52
14.500	1.51	1.50
14.550	1.49	1.47
14.600	1.46	1.44
14.650	1.43	1.41
14.700	1.40	1.38
14.750	1.37	1.36
14.800	1.34	1.33
14.850	1.32	1.30
14.900	1.28	1.27
14.950	1.26	1.24
15.000	1.23	1.21
15.050	1.20	1.18
15.100	1.16	1.14
15.150	1.15	1.14
15.200	1.15	1.14
15.250	1.15	1.13
15.300	1.13	1.12
15.350	1.12	1.11
15.400	1.12	1.10
15.450	1.11	1.09
15.500	1.10	1.09
15.550	1.09	1.08
15.600	1.08	1.07
15.650	1.07	1.06
15.700	1.07	1.06
15.750	1.06	1.05
15.800	1.05	1.04
15.850	1.04	1.03
15.900	1.03	1.02
15.950	1.03	1.01
16.000	1.02	1.01
16.050	1.01	1.00
16.100	1.00	0.99
16.150	1.00	0.98
16.200	0.98	0.97
16.250	0.98	0.97
16.300	0.97	0.96
16.350	0.96	0.95
16.400	0.95	0.94

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
16.450	0.95	0.94
16.500	0.94	0.93
16.550	0.93	0.92
16.600	0.92	0.91
16.650	0.91	0.90
16.700	0.91	0.90
16.750	0.90	0.89
16.800	0.89	0.88
16.850	0.88	0.87
16.900	0.87	0.86
16.950	0.87	0.86
17.000	0.86	0.85
17.050	0.85	0.84
17.100	0.84	0.83
17.150	0.83	0.82
17.200	0.82	0.81
17.250	0.82	0.81
17.300	0.81	0.80
17.350	0.80	0.79
17.400	0.79	0.78
17.450	0.78	0.77
17.500	0.77	0.77
17.550	0.77	0.76
17.600	0.76	0.75
17.650	0.75	0.74
17.700	0.74	0.73
17.750	0.73	0.73
17.800	0.73	0.72
17.850	0.72	0.71
17.900	0.71	0.70
17.950	0.70	0.69
18.000	0.69	0.68
18.050	0.68	0.68
18.100	0.67	0.67
18.150	0.67	0.66
18.200	0.67	0.66
18.250	0.67	0.66
18.300	0.66	0.66
18.350	0.66	0.65
18.400	0.66	0.65
18.450	0.66	0.65
18.500	0.65	0.65
18.550	0.65	0.65
18.600	0.65	0.65
18.650	0.65	0.64
18.700	0.65	0.64
18.750	0.65	0.64

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
18.800	0.65	0.64
18.850	0.64	0.64
18.900	0.64	0.63
18.950	0.64	0.63
19.000	0.63	0.63
19.050	0.63	0.63
19.100	0.63	0.62
19.150	0.63	0.62
19.200	0.63	0.62
19.250	0.63	0.62
19.300	0.62	0.62
19.350	0.62	0.61
19.400	0.62	0.61
19.450	0.62	0.61
19.500	0.62	0.61
19.550	0.61	0.61
19.600	0.61	0.60
19.650	0.61	0.60
19.700	0.61	0.60
19.750	0.61	0.60
19.800	0.60	0.60
19.850	0.60	0.59
19.900	0.60	0.59
19.950	0.60	0.59
20.000	0.59	0.59
20.050	0.59	0.59
20.100	0.59	0.59
20.150	0.59	0.58
20.200	0.59	0.58
20.250	0.58	0.58
20.300	0.58	0.57
20.350	0.58	0.57
20.400	0.58	0.57
20.450	0.58	0.57
20.500	0.57	0.57
20.550	0.57	0.57
20.600	0.57	0.57
20.650	0.57	0.56
20.700	0.57	0.56
20.750	0.56	0.56
20.800	0.56	0.56
20.850	0.56	0.55
20.900	0.56	0.55
20.950	0.56	0.55
21.000	0.55	0.55
21.050	0.55	0.55
21.100	0.55	0.54

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
21.150	0.55	0.54
21.200	0.55	0.54
21.250	0.54	0.54
21.300	0.54	0.53
21.350	0.54	0.53
21.400	0.54	0.53
21.450	0.54	0.53
21.500	0.53	0.53
21.550	0.53	0.53
21.600	0.53	0.52
21.650	0.53	0.52
21.700	0.52	0.52
21.750	0.52	0.52
21.800	0.52	0.52
21.850	0.52	0.51
21.900	0.52	0.51
21.950	0.52	0.51
22.000	0.51	0.51
22.050	0.51	0.51
22.100	0.51	0.50
22.150	0.51	0.50
22.200	0.51	0.50
22.250	0.50	0.50
22.300	0.50	0.49
22.350	0.50	0.49
22.400	0.49	0.49
22.450	0.49	0.49
22.500	0.49	0.49
22.550	0.49	0.48
22.600	0.49	0.48
22.650	0.49	0.48
22.700	0.48	0.48
22.750	0.48	0.48
22.800	0.48	0.47
22.850	0.48	0.47
22.900	0.48	0.47
22.950	0.47	0.47
23.000	0.47	0.46
23.050	0.47	0.46
23.100	0.47	0.46
23.150	0.47	0.46
23.200	0.46	0.46
23.250	0.46	0.45
23.300	0.46	0.45
23.350	0.46	0.45
23.400	0.45	0.45
23.450	0.45	0.45

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
23.500	0.45	0.45
23.550	0.45	0.44
23.600	0.45	0.44
23.650	0.44	0.44
23.700	0.44	0.44
23.750	0.44	0.43
23.800	0.43	0.43
23.850	0.43	0.43
23.900	0.43	0.43
23.950	0.43	0.43
24.000	0.43	0.43
24.050	0.29	0.29
24.100	0.08	0.08
24.150	0.02	0.02
24.200	0.01	0.00
24.250	0.00	0.00
24.300	0.00	0.00
24.350	0.00	0.00
24.400	0.00	0.00
24.450	0.00	0.00
24.500	0.00	0.00
24.550	0.00	0.00
24.600	0.00	0.00
24.650	0.00	0.00
24.700	0.00	0.00
24.750	0.00	0.00
24.800	0.00	0.00
24.850	0.00	0.00
24.900	0.00	0.00
24.950	0.00	0.00
25.000	0.00	0.00
25.050	0.00	0.00
25.100	0.00	0.00
25.150	0.00	0.00
25.200	0.00	0.00
25.250	0.00	0.00
25.300	0.00	0.00
25.350	0.00	0.00
25.400	0.00	0.00
25.450	0.00	0.00
25.500	0.00	0.00
25.550	0.00	0.00
25.600	0.00	0.00
25.650	0.00	0.00
25.700	0.00	0.00
25.750	0.00	0.00
25.800	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
25.850	0.00	0.00
25.900	0.00	0.00
25.950	0.00	0.00
26.000	0.00	0.00
26.050	0.00	0.00
26.100	0.00	0.00
26.150	0.00	0.00
26.200	0.00	0.00
26.250	0.00	0.00
26.300	0.00	0.00
26.350	0.00	0.00
26.400	0.00	0.00
26.450	0.00	0.00
26.500	0.00	0.00
26.550	0.00	0.00
26.600	0.00	0.00
26.650	0.00	0.00
26.700	0.00	0.00
26.750	0.00	0.00
26.800	0.00	0.00
26.850	0.00	0.00
26.900	0.00	0.00
26.950	0.00	0.00
27.000	0.00	0.00
27.050	0.00	0.00
27.100	0.00	0.00
27.150	0.00	0.00
27.200	0.00	0.00
27.250	0.00	0.00
27.300	0.00	0.00
27.350	0.00	0.00
27.400	0.00	0.00
27.450	0.00	0.00
27.500	0.00	0.00
27.550	0.00	0.00
27.600	0.00	0.00
27.650	0.00	0.00
27.700	0.00	0.00
27.750	0.00	0.00
27.800	0.00	0.00
27.850	0.00	0.00
27.900	0.00	0.00
27.950	0.00	0.00
28.000	0.00	0.00
28.050	0.00	0.00
28.100	0.00	0.00
28.150	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
28.200	0.00	0.00
28.250	0.00	0.00
28.300	0.00	0.00
28.350	0.00	0.00
28.400	0.00	0.00
28.450	0.00	0.00
28.500	0.00	0.00
28.550	0.00	0.00
28.600	0.00	0.00
28.650	0.00	0.00
28.700	0.00	0.00
28.750	0.00	0.00
28.800	0.00	0.00
28.850	0.00	0.00
28.900	0.00	0.00
28.950	0.00	0.00
29.000	0.00	0.00
29.050	0.00	0.00
29.100	0.00	0.00
29.150	0.00	0.00
29.200	0.00	0.00
29.250	0.00	0.00
29.300	0.00	0.00
29.350	0.00	0.00
29.400	0.00	0.00
29.450	0.00	0.00
29.500	0.00	0.00
29.550	0.00	0.00
29.600	0.00	0.00
29.650	0.00	0.00
29.700	0.00	0.00
29.750	0.00	0.00
29.800	0.00	0.00
29.850	0.00	0.00
29.900	0.00	0.00
29.950	0.00	0.00
30.000	0.00	0.00
30.050	0.00	0.00
30.100	0.00	0.00
30.150	0.00	0.00
30.200	0.00	0.00
30.250	0.00	0.00
30.300	0.00	0.00
30.350	0.00	0.00
30.400	0.00	0.00
30.450	0.00	0.00
30.500	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
30.550	0.00	0.00
30.600	0.00	0.00
30.650	0.00	0.00
30.700	0.00	0.00
30.750	0.00	0.00
30.800	0.00	0.00
30.850	0.00	0.00
30.900	0.00	0.00
30.950	0.00	0.00
31.000	0.00	0.00
31.050	0.00	0.00
31.100	0.00	0.00
31.150	0.00	0.00
31.200	0.00	0.00
31.250	0.00	0.00
31.300	0.00	0.00
31.350	0.00	0.00
31.400	0.00	0.00
31.450	0.00	0.00
31.500	0.00	0.00
31.550	0.00	0.00
31.600	0.00	0.00
31.650	0.00	0.00
31.700	0.00	0.00
31.750	0.00	0.00
31.800	0.00	0.00
31.850	0.00	0.00
31.900	0.00	0.00
31.950	0.00	0.00
32.000	0.00	0.00
32.050	0.00	0.00
32.100	0.00	0.00
32.150	0.00	0.00
32.200	0.00	0.00
32.250	0.00	0.00
32.300	0.00	0.00
32.350	0.00	0.00
32.400	0.00	0.00
32.450	0.00	0.00
32.500	0.00	0.00
32.550	0.00	0.00
32.600	0.00	0.00
32.650	0.00	0.00
32.700	0.00	0.00
32.750	0.00	0.00
32.800	0.00	0.00
32.850	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
32.900	0.00	0.00
32.950	0.00	0.00
33.000	0.00	0.00
33.050	0.00	0.00
33.100	0.00	0.00
33.150	0.00	0.00
33.200	0.00	0.00
33.250	0.00	0.00
33.300	0.00	0.00
33.350	0.00	0.00
33.400	0.00	0.00
33.450	0.00	0.00
33.500	0.00	0.00
33.550	0.00	0.00
33.600	0.00	0.00
33.650	0.00	0.00
33.700	0.00	0.00
33.750	0.00	0.00
33.800	0.00	0.00
33.850	0.00	0.00
33.900	0.00	0.00
33.950	0.00	0.00
34.000	0.00	0.00
34.050	0.00	0.00
34.100	0.00	0.00
34.150	0.00	0.00
34.200	0.00	0.00
34.250	0.00	0.00
34.300	0.00	0.00
34.350	0.00	0.00
34.400	0.00	0.00
34.450	0.00	0.00
34.500	0.00	0.00
34.550	0.00	0.00
34.600	0.00	0.00
34.650	0.00	0.00
34.700	0.00	0.00
34.750	0.00	0.00
34.800	0.00	0.00
34.850	0.00	0.00
34.900	0.00	0.00
34.950	0.00	0.00
35.000	0.00	0.00
35.050	0.00	0.00
35.100	0.00	0.00
35.150	0.00	0.00
35.200	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
35.250	0.00	0.00
35.300	0.00	0.00
35.350	0.00	0.00
35.400	0.00	0.00
35.450	0.00	0.00
35.500	0.00	0.00
35.550	0.00	0.00
35.600	0.00	0.00
35.650	0.00	0.00
35.700	0.00	0.00
35.750	0.00	0.00
35.800	0.00	0.00
35.850	0.00	0.00
35.900	0.00	0.00
35.950	0.00	0.00
36.000	0.00	0.00
36.050	0.00	0.00
36.100	0.00	0.00
36.150	0.00	0.00
36.200	0.00	0.00
36.250	0.00	0.00
36.300	0.00	0.00
36.350	0.00	0.00
36.400	0.00	0.00
36.450	0.00	0.00
36.500	0.00	0.00
36.550	0.00	0.00
36.600	0.00	0.00
36.650	0.00	0.00
36.700	0.00	0.00
36.750	0.00	0.00
36.800	0.00	0.00
36.850	0.00	0.00
36.900	0.00	0.00
36.950	0.00	0.00
37.000	0.00	0.00
37.050	0.00	0.00
37.100	0.00	0.00
37.150	0.00	0.00
37.200	0.00	0.00
37.250	0.00	0.00
37.300	0.00	0.00
37.350	0.00	0.00
37.400	0.00	0.00
37.450	0.00	0.00
37.500	0.00	0.00
37.550	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
37.600	0.00	0.00
37.650	0.00	0.00
37.700	0.00	0.00
37.750	0.00	0.00
37.800	0.00	0.00
37.850	0.00	0.00
37.900	0.00	0.00
37.950	0.00	0.00
38.000	0.00	0.00
38.050	0.00	0.00
38.100	0.00	0.00
38.150	0.00	0.00
38.200	0.00	0.00
38.250	0.00	0.00
38.300	0.00	0.00
38.350	0.00	0.00
38.400	0.00	0.00
38.450	0.00	0.00
38.500	0.00	0.00
38.550	0.00	0.00
38.600	0.00	0.00
38.650	0.00	0.00
38.700	0.00	0.00
38.750	0.00	0.00
38.800	0.00	0.00
38.850	0.00	0.00
38.900	0.00	0.00
38.950	0.00	0.00
39.000	0.00	0.00
39.050	0.00	0.00
39.100	0.00	0.00
39.150	0.00	0.00
39.200	0.00	0.00
39.250	0.00	0.00
39.300	0.00	0.00
39.350	0.00	0.00
39.400	0.00	0.00
39.450	0.00	0.00
39.500	0.00	0.00
39.550	0.00	0.00
39.600	0.00	0.00
39.650	0.00	0.00
39.700	0.00	0.00
39.750	0.00	0.00
39.800	0.00	0.00
39.850	0.00	0.00
39.900	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
39.950	0.00	0.00
40.000	0.00	0.00
40.050	0.00	0.00
40.100	0.00	0.00
40.150	0.00	0.00
40.200	0.00	0.00
40.250	0.00	0.00
40.300	0.00	0.00
40.350	0.00	0.00
40.400	0.00	0.00
40.450	0.00	0.00
40.500	0.00	0.00
40.550	0.00	0.00
40.600	0.00	0.00
40.650	0.00	0.00
40.700	0.00	0.00
40.750	0.00	0.00
40.800	0.00	0.00
40.850	0.00	0.00
40.900	0.00	0.00
40.950	0.00	0.00
41.000	0.00	0.00
41.050	0.00	0.00
41.100	0.00	0.00
41.150	0.00	0.00
41.200	0.00	0.00
41.250	0.00	0.00
41.300	0.00	0.00
41.350	0.00	0.00
41.400	0.00	0.00
41.450	0.00	0.00
41.500	0.00	0.00
41.550	0.00	0.00
41.600	0.00	0.00
41.650	0.00	0.00
41.700	0.00	0.00
41.750	0.00	0.00
41.800	0.00	0.00
41.850	0.00	0.00
41.900	0.00	0.00
41.950	0.00	0.00
42.000	0.00	0.00
42.050	0.00	0.00
42.100	0.00	0.00
42.150	0.00	0.00
42.200	0.00	0.00
42.250	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
42.300	0.00	0.00
42.350	0.00	0.00
42.400	0.00	0.00
42.450	0.00	0.00
42.500	0.00	0.00
42.550	0.00	0.00
42.600	0.00	0.00
42.650	0.00	0.00
42.700	0.00	0.00
42.750	0.00	0.00
42.800	0.00	0.00
42.850	0.00	0.00
42.900	0.00	0.00
42.950	0.00	0.00
43.000	0.00	0.00
43.050	0.00	0.00
43.100	0.00	0.00
43.150	0.00	0.00
43.200	0.00	0.00
43.250	0.00	0.00
43.300	0.00	0.00
43.350	0.00	0.00
43.400	0.00	0.00
43.450	0.00	0.00
43.500	0.00	0.00
43.550	0.00	0.00
43.600	0.00	0.00
43.650	0.00	0.00
43.700	0.00	0.00
43.750	0.00	0.00
43.800	0.00	0.00
43.850	0.00	0.00
43.900	0.00	0.00
43.950	0.00	0.00
44.000	0.00	0.00
44.050	0.00	0.00
44.100	0.00	0.00
44.150	0.00	0.00
44.200	0.00	0.00
44.250	0.00	0.00
44.300	0.00	0.00
44.350	0.00	0.00
44.400	0.00	0.00
44.450	0.00	0.00
44.500	0.00	0.00
44.550	0.00	0.00
44.600	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
44.650	0.00	0.00
44.700	0.00	0.00
44.750	0.00	0.00
44.800	0.00	0.00
44.850	0.00	0.00
44.900	0.00	0.00
44.950	0.00	0.00
45.000	0.00	0.00
45.050	0.00	0.00
45.100	0.00	0.00
45.150	0.00	0.00
45.200	0.00	0.00
45.250	0.00	0.00
45.300	0.00	0.00
45.350	0.00	0.00
45.400	0.00	0.00
45.450	0.00	0.00
45.500	0.00	0.00
45.550	0.00	0.00
45.600	0.00	0.00
45.650	0.00	0.00
45.700	0.00	0.00
45.750	0.00	0.00
45.800	0.00	0.00
45.850	0.00	0.00
45.900	0.00	0.00
45.950	0.00	0.00
46.000	0.00	0.00
46.050	0.00	0.00
46.100	0.00	0.00
46.150	0.00	0.00
46.200	0.00	0.00
46.250	0.00	0.00
46.300	0.00	0.00
46.350	0.00	0.00
46.400	0.00	0.00
46.450	0.00	0.00
46.500	0.00	0.00
46.550	0.00	0.00
46.600	0.00	0.00
46.650	0.00	0.00
46.700	0.00	0.00
46.750	0.00	0.00
46.800	0.00	0.00
46.850	0.00	0.00
46.900	0.00	0.00
46.950	0.00	0.00

Graph Data Table - 100yr Projected Overlay

Time (hours)	EPOI-3 - 100YR Projected - Flow (ft ³ /s)	POI-3 Barclay Sq - 100YR Projected - Flow (ft ³ /s)
47.000	0.00	0.00
47.050	0.00	0.00
47.100	0.00	0.00
47.150	0.00	0.00
47.200	0.00	0.00
47.250	0.00	0.00
47.300	0.00	0.00
47.350	0.00	0.00
47.400	0.00	0.00
47.450	0.00	0.00
47.500	0.00	0.00
47.550	0.00	0.00
47.600	0.00	0.00
47.650	0.00	0.00
47.700	0.00	0.00
47.750	0.00	0.00
47.800	0.00	0.00
47.850	0.00	0.00
47.900	0.00	0.00
47.950	0.00	0.00
48.000	0.00	0.00

Existing and Proposed
Graph Data Table - 100yr Projected Overlay

