

STORM WATER CALCULATIONS

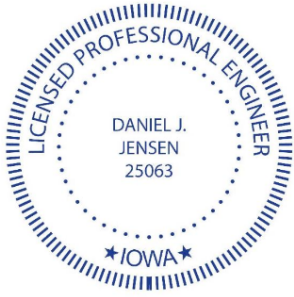
For:

**TESINGER WETLAND
BRE911312B**

Iowa Department of Agriculture and Land Stewardship
Denver, Iowa

S-H PROJECT # 4216000

January 22, 2024

	<p>I hereby certify that the portion of this engineering document was prepared by me or under my direct personal supervision. I am a duly licensed Professional Engineer under the laws of the State of Iowa.</p> <p>Signature: <u><i>Dan Jensen</i></u></p> <p>Name: <u>Dan Jensen, P.E.</u></p> <p>Date: <u>01/23/2024</u></p> <p>My license renewal date is December 31, 2025.</p> <p>Pages, sheets, or divisions covered by this certification: <u>Stormwater Report and Attachments</u></p> <p>_____</p> <p>_____</p>
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Prepared by:

SHIVEHATTERY
ARCHITECTURE+ENGINEERING

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(515) 223-8104

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PROJECT SUMMARY

GENERAL

The proposed work includes construction of a wetland to the southeast of Waverly, IA. The location can be more specifically described as the NW ¼ of Section 12, Township 91 North, Range 13 West of the Fifth Principal meridian, Bremer County, Iowa. A dam will be constructed to impound water for the wetland. A drawdown structure on the dam will allow for pool elevation control.

DESIGN STANDARDS, ANALYSIS, AND ASSUMPTIONS

The design procedures and guidelines were obtained from the following resources:

1. "National Engineering Handbook 4 – Hydrology"
2. "NRCS Practice Standard 656, 378, 410" (as applicable)

DESIGN CRITERIA AND GUIDELINES

WATER CONTROL STRUCTURE

The water control structure is a 48" circular CMP riser equipped with stop logs for water elevation control. A 12" CMP will enter the structure from the pool area. A 12" Dual Wall HDPE discharge pipe will run south and daylight into the existing stream.

PRINCIPAL SPILLWAY

The principal spillway consists of a 20' wide steel sheet pile structure in the embankment at an elevation of 956.00'. Since the structure is low hazard with a drainage area smaller than 250 acres (23.9 acres Overland), the principal spillway must pass the 5-year, 24-hour storm according to NRCS 656. NRCS 656 references both NRCS 378 and 410. The most conservative of the two standards were used for design, NRCS 378. This equates to a 25-year, 24-hour storm producing a rainfall depth of 5.60". The storm will produce a discharge of 81 cfs through the principal spillway and a peak water surface elevation of 956.50'.

FREEBOARD DESIGN

Based on NRCS 378, the freeboard design storm shall be the 100-year, 24-hour storm and the design shall maintain a minimum 1-foot freeboard from wetland pool elevation to top of dam. This equates to a storm producing a rainfall depth of 7.50". The 100-year, 24-hour storm will produce a discharge of 116 cfs through the principal spillway and a peak water surface elevation of 956.65'. The top of dam elevation is set at 958.25'.

WATER QUALITY IMPROVEMENT

The wetland drawdown was designed to meet NRCS 656 requirements. Wetland will drawdown and return to design operating levels within 48 hours after a 10-year, 24-hour storm. The 10-year, 24-hour storm produced a 24 hour drawdown frequency. To promote emergent vegetation, 50% of the pool area (90% for this design) shall have depths from 0-24 inches.

TILE CAPACITY

The main source of hydrology for the wetland is through the tile diversion. An existing 12-inch concrete (manning n = 0.0108) main with a slope of approximately 0.41% will be diverted as shown on the plans. The proposed tile will be an 18-inch Dual Wall HDPE (manning n = 0.012) pipe with a slope of 0.11%. The tile capacities were calculated using Bently Flowmaster™ to be 2.75 CFS (Existing 12" Concrete Tile) and 3.77 CFS (Proposed 18" HDPE Tile). In addition, the full flow velocity of the proposed HDPE tile is approximately 1.9 ft/s. The Iowa Drainage Guide states a minimum cleanout velocity for sand and silt to be 1.4 ft/s.

SLOPE DESIGN

Side slopes were designed to meet NRCS 656 requirements which reference NRCS 378. Slopes designed with a ratio of three horizontal to one vertical (3:1) or flatter.

EMBANKMENT DESIGN

Per NRCS 378, top width required for dams with total heights less than 15 feet require a minimum of 10 feet top width. A 12-foot top width was chosen for this design. Minimum settlement of 5% of the total height of the dam was accounted for on the final construction elevation of the dam. This equates to a final construction elevation of 958.50' $(5 \text{ feet} \times 0.05) + 958.25$.

IMPOUNDMENT LIFE

The Impoundment life was calculated using estimated sediment delivery and NRCS standard total erosion rate estimates. The erosion rates are based on the Average Annual Soil Erosion by Water on Cropland and CRP Land, 1982, published by USDA and revised in December 2000. This indicated that the erosion rates for the area ranged from 3 to 5 tons per acre per year. Furthermore, sediment delivery was based on NRCS FOTG "Erosion & Sediment Delivery", (Chart I: Estimated sediment delivery for landform regions). The chart indicated a sediment delivery percentage of approximately 35% for a 23.9-acre drainage area located in the lowan Surface Landform. Finally, the estimated sediment storage is based on the normal pool storage volume of 11.8 ac-ft.

Based on the assumed soil erosion rate (5 T/Ac/yr), delivery ratio (35%), a sediment unit weight of 100 PCF, and sediment capture rate of 100% of delivered sediment, approximately 41.8 tons of sediment per year (837 CF) is anticipated to be retained in the wetland. With a total sediment capacity of 11.8 ac-ft, this equates to an expected impoundment life of 614 years.

GEOTECHNICAL INVESTIGATION AND EVALUATION

Limited soil test pits were completed by Shive-Hattery on November 3, 2021. Pits consisted of open excavations with a backhoe extending to a depth of approximately 6 feet.

Soils consist of a surface layer of dark organic topsoil followed by a clay layer. The clay layer was observed down to depths of about 3 feet. Below the clay, a porous sand layer was observed. Excavation within the pool shall not extend into the sand layer and a minimum of 1 foot of scarified and recompacted clay shall remain on the entire excavation footprint. Excavation depths shall not exceed 2 feet below ground within the pool except in small locations as shown on the plans.

A

B

C

D

E

F

1

2

3

4

US HWY 63

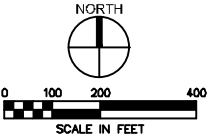
MIDWAY RD

DRAINAGE AREA
AREA = 23.9 ACRES

230TH ST

NOTE:
ADDITIONAL 409 ACRES OF
DRAINAGE FROM TILE DIVERSION

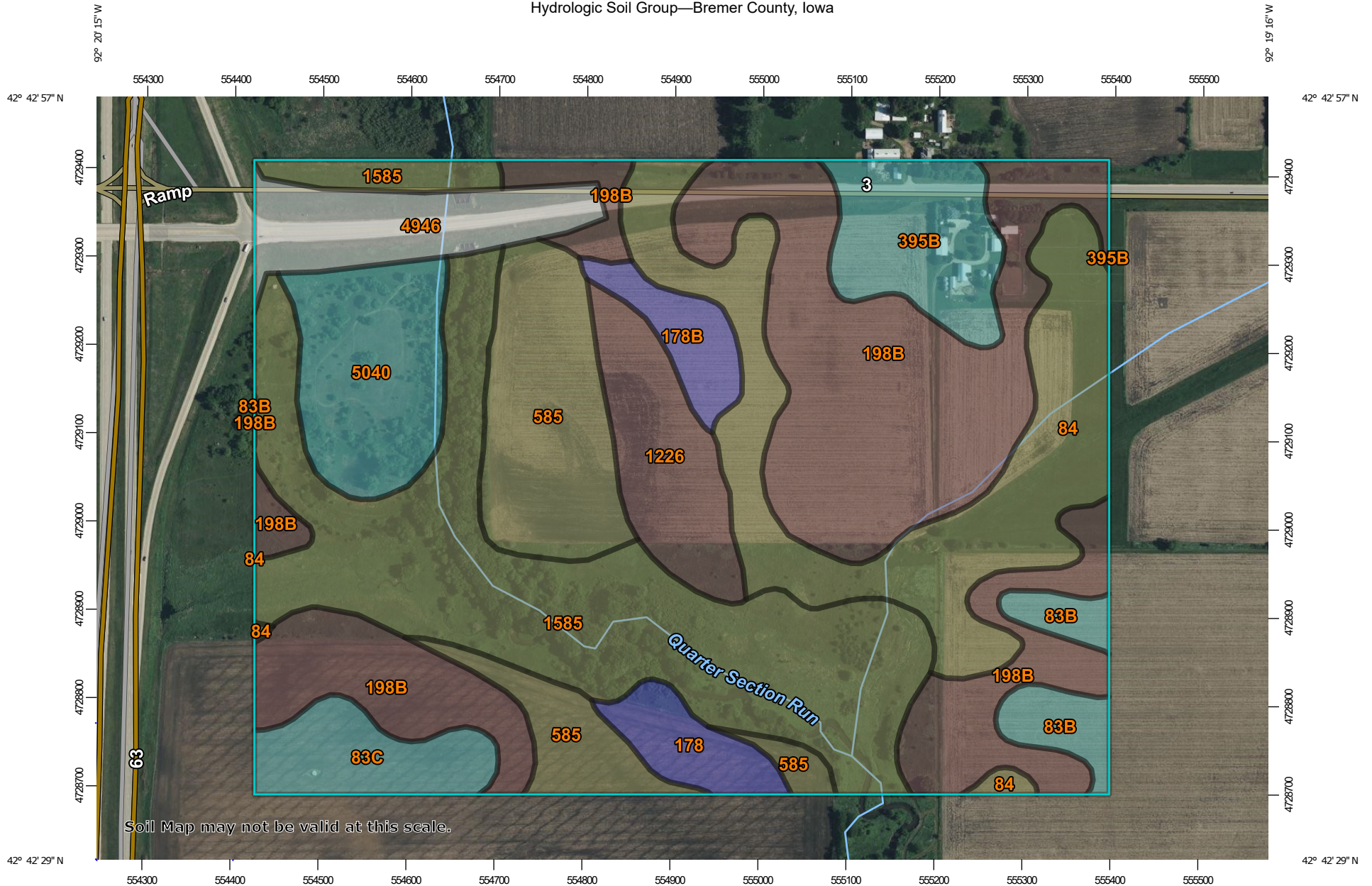
NORMAL POOL
AREA = 8.0 ACRES



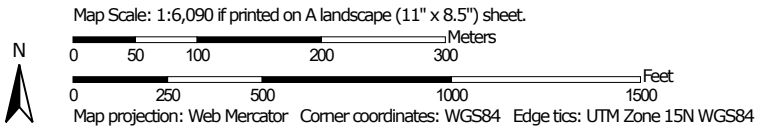
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Printed: 10/17/2023 10:58 AM

DRAWN:	CHK
APPROVED:	DJ
ISSUED FOR:	PRELIMINARY DESIGN
DATE:	10-17-2023
PROJECT NO.:	4216000
FIELD BOOK:	—
CLIENT NO.:	—

Hydrologic Soil Group—Bremer County, Iowa




Soil Map may not be valid at this scale.



MAP LEGEND

Area of Interest (AOI)









 Area of Interest (AOI)

Soils

Soil Rating Polygons





 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Lines


 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Points






 A
 A/D
 B
 B/D

 C
 C/D
 D
 Not rated or not available

Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bremer County, Iowa
 Survey Area Data: Version 28, Sep 12, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 21, 2021—Nov 24, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
83B	Kenyon loam, 2 to 5 percent slopes	C	3.8	2.2%
83C	Kenyon loam, 5 to 9 percent slopes	C	5.5	3.2%
84	Clyde silty clay loam, 0 to 3 percent slopes	C/D	23.4	13.5%
178	Waukee loam, 0 to 2 percent slopes, rarely flooded	B	3.5	2.0%
178B	Waukee loam, 2 to 5 percent slopes, rarely flooded	B	3.4	1.9%
198B	Floyd loam, 1 to 4 percent slopes	B/D	45.3	26.1%
395B	Marquis loam, 2 to 5 percent slopes	C	8.0	4.6%
585	Coland-Spillville complex, 0 to 2 percent slopes, occasionally flooded	C/D	16.8	9.7%
1226	Lawler loam, 0 to 2 percent slopes, rarely flooded	B/D	8.1	4.7%
1585	Spillville-Coland-Shandep complex, 0 to 2 percent slopes, frequently flooded	C/D	37.7	21.7%
4946	Udorthents-Interstate highway complex, 0 to 5 percent slopes		7.6	4.4%
5040	Anthroportic Udorthents, 2 to 9 percent slopes	C	10.1	5.9%
Totals for Area of Interest			173.2	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

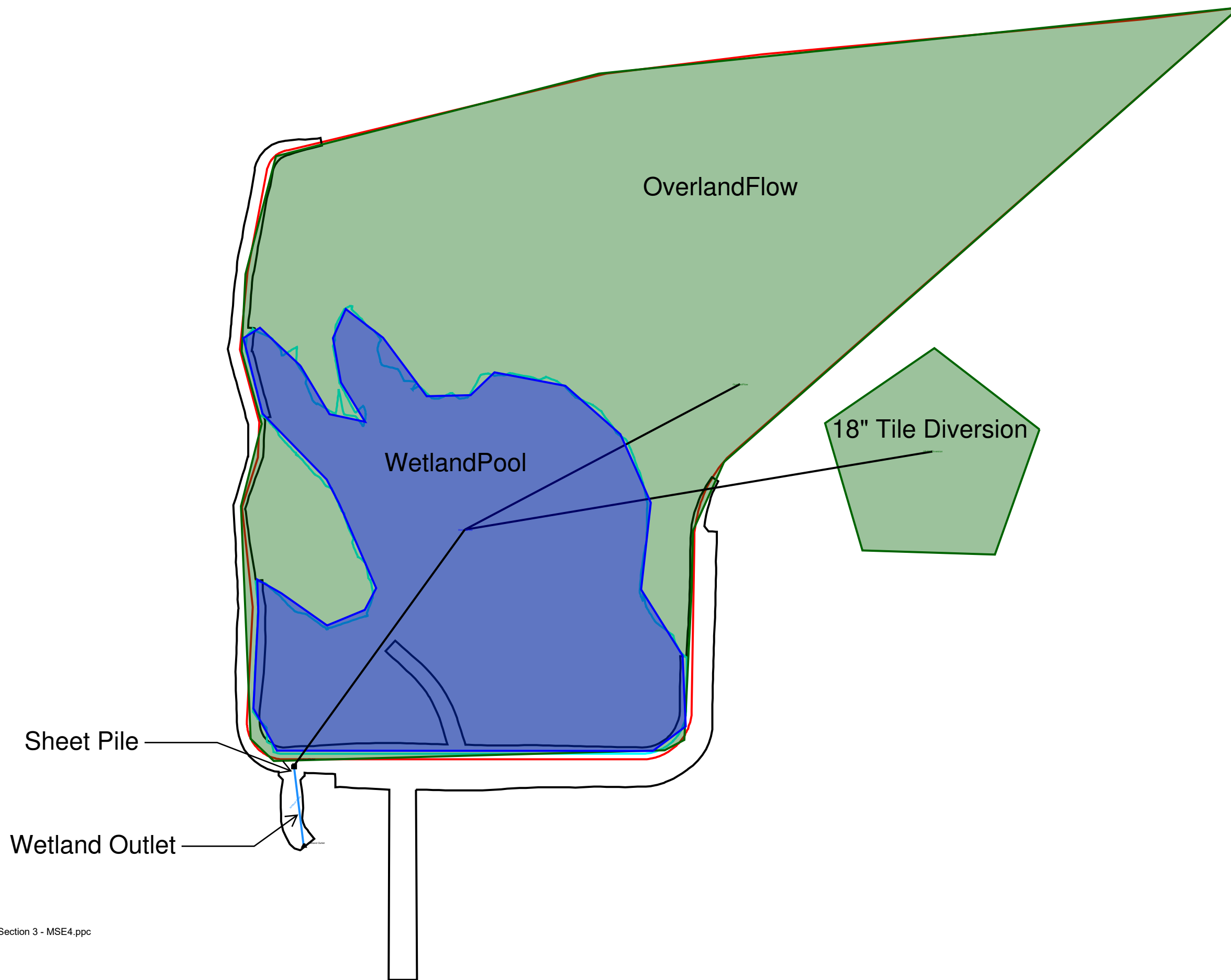
Tie-break Rule: Higher

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Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
OverlandFlow	Post-Development 5 year	5	4.506	12.300	45.18
OverlandFlow	Post-Development 25 year	25	7.746	12.300	77.06
OverlandFlow	Post-Development 100 year	100	11.378	12.300	111.71
18" Tile Diversion	Post-Development 5 year	5	15.074	0.000	3.80
18" Tile Diversion	Post-Development 25 year	25	15.074	0.000	3.80
18" Tile Diversion	Post-Development 100 year	100	15.074	0.000	3.80

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Wetland Outlet	Post-Development 5 year	5	19.588	13.100	13.64
Wetland Outlet	Post-Development 25 year	25	22.828	12.950	23.84
Wetland Outlet	Post-Development 100 year	100	26.460	12.900	36.17

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
WetlandPool (IN)	Post-Development 5 year	5	19.588	12.300	48.98	(N/A)	(N/A)
WetlandPool (OUT)	Post-Development 5 year	5	19.588	13.100	13.64	956.34	14.715
WetlandPool (IN)	Post-Development 25 year	25	22.828	12.300	80.86	(N/A)	(N/A)
WetlandPool (OUT)	Post-Development 25 year	25	22.828	12.950	23.84	956.50	16.164
WetlandPool (IN)	Post-Development 100 year	100	26.460	12.300	115.51	(N/A)	(N/A)
WetlandPool (OUT)	Post-Development 100 year	100	26.460	12.900	36.17	956.65	17.681

BRE911312B WETLAND

Subsection: Time-Depth Curve
 Label: MSE4
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time-Depth Curve: 100 year	
Label	100 year
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	100 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.100 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.0	0.0
1.000	0.0	0.0	0.0	0.1	0.1
1.500	0.1	0.1	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.1	0.1	0.1	0.1	0.2
3.000	0.2	0.2	0.2	0.2	0.2
3.500	0.2	0.2	0.2	0.2	0.2
4.000	0.2	0.3	0.3	0.3	0.3
4.500	0.3	0.3	0.3	0.3	0.3
5.000	0.3	0.4	0.4	0.4	0.4
5.500	0.4	0.4	0.4	0.4	0.4
6.000	0.5	0.5	0.5	0.5	0.5
6.500	0.5	0.5	0.6	0.6	0.6
7.000	0.6	0.6	0.6	0.6	0.6
7.500	0.7	0.7	0.7	0.7	0.7
8.000	0.7	0.8	0.8	0.8	0.8
8.500	0.8	0.8	0.9	0.9	0.9
9.000	0.9	0.9	1.0	1.0	1.0
9.500	1.0	1.1	1.1	1.1	1.2
10.000	1.2	1.2	1.2	1.3	1.3
10.500	1.3	1.4	1.4	1.5	1.6
11.000	1.6	1.7	1.8	1.8	1.9
11.500	2.0	2.2	2.3	2.6	2.9
12.000	3.5	4.6	4.9	5.1	5.3
12.500	5.4	5.5	5.6	5.7	5.8
13.000	5.9	5.9	6.0	6.0	6.1
13.500	6.1	6.2	6.2	6.2	6.3
14.000	6.3	6.3	6.4	6.4	6.4
14.500	6.4	6.5	6.5	6.5	6.5
15.000	6.6	6.6	6.6	6.6	6.6
15.500	6.7	6.7	6.7	6.7	6.7
16.000	6.7	6.8	6.8	6.8	6.8
16.500	6.8	6.8	6.8	6.9	6.9
17.000	6.9	6.9	6.9	6.9	6.9
17.500	7.0	7.0	7.0	7.0	7.0
18.000	7.0	7.0	7.0	7.1	7.1
18.500	7.1	7.1	7.1	7.1	7.1

BRE911312B WETLAND

Subsection: Time-Depth Curve

Label: MSE4

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
19.000	7.1	7.1	7.2	7.2	7.2
19.500	7.2	7.2	7.2	7.2	7.2
20.000	7.2	7.2	7.3	7.3	7.3
20.500	7.3	7.3	7.3	7.3	7.3
21.000	7.3	7.3	7.3	7.3	7.4
21.500	7.4	7.4	7.4	7.4	7.4
22.000	7.4	7.4	7.4	7.4	7.4
22.500	7.4	7.4	7.4	7.4	7.4
23.000	7.4	7.4	7.5	7.5	7.5
23.500	7.5	7.5	7.5	7.5	7.5
24.000	7.5	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time-Depth Curve
 Label: MSE4
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time-Depth Curve: 25 year	
Label	25 year
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	25 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.100 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.0	0.0
1.000	0.0	0.0	0.0	0.0	0.0
1.500	0.0	0.0	0.1	0.1	0.1
2.000	0.1	0.1	0.1	0.1	0.1
2.500	0.1	0.1	0.1	0.1	0.1
3.000	0.1	0.1	0.1	0.1	0.1
3.500	0.1	0.2	0.2	0.2	0.2
4.000	0.2	0.2	0.2	0.2	0.2
4.500	0.2	0.2	0.2	0.2	0.2
5.000	0.3	0.3	0.3	0.3	0.3
5.500	0.3	0.3	0.3	0.3	0.3
6.000	0.3	0.4	0.4	0.4	0.4
6.500	0.4	0.4	0.4	0.4	0.4
7.000	0.4	0.5	0.5	0.5	0.5
7.500	0.5	0.5	0.5	0.5	0.5
8.000	0.6	0.6	0.6	0.6	0.6
8.500	0.6	0.6	0.6	0.6	0.7
9.000	0.7	0.7	0.7	0.7	0.8
9.500	0.8	0.8	0.8	0.8	0.9
10.000	0.9	0.9	0.9	0.9	1.0
10.500	1.0	1.0	1.1	1.1	1.2
11.000	1.2	1.3	1.3	1.4	1.4
11.500	1.5	1.6	1.7	1.9	2.2
12.000	2.6	3.4	3.7	3.8	4.0
12.500	4.1	4.1	4.2	4.2	4.3
13.000	4.4	4.4	4.5	4.5	4.5
13.500	4.6	4.6	4.6	4.6	4.7
14.000	4.7	4.7	4.7	4.7	4.8
14.500	4.8	4.8	4.8	4.8	4.9
15.000	4.9	4.9	4.9	4.9	4.9
15.500	4.9	5.0	5.0	5.0	5.0
16.000	5.0	5.0	5.0	5.0	5.1
16.500	5.1	5.1	5.1	5.1	5.1
17.000	5.1	5.1	5.1	5.2	5.2
17.500	5.2	5.2	5.2	5.2	5.2
18.000	5.2	5.2	5.2	5.2	5.3
18.500	5.3	5.3	5.3	5.3	5.3

BRE911312B WETLAND

Subsection: Time-Depth Curve
 Label: MSE4
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.100 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
19.000	5.3	5.3	5.3	5.3	5.3
19.500	5.3	5.4	5.4	5.4	5.4
20.000	5.4	5.4	5.4	5.4	5.4
20.500	5.4	5.4	5.4	5.4	5.4
21.000	5.4	5.4	5.5	5.5	5.5
21.500	5.5	5.5	5.5	5.5	5.5
22.000	5.5	5.5	5.5	5.5	5.5
22.500	5.5	5.5	5.5	5.5	5.5
23.000	5.5	5.5	5.5	5.5	5.5
23.500	5.5	5.6	5.6	5.6	5.6
24.000	5.6	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time-Depth Curve

Label: MSE4

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Time-Depth Curve: 5 year

Label	5 year
Start Time	0.000 hours
Increment	0.100 hours
End Time	24.000 hours
Return Event	5 years

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.000	0.0	0.0	0.0	0.0	0.0
0.500	0.0	0.0	0.0	0.0	0.0
1.000	0.0	0.0	0.0	0.0	0.0
1.500	0.0	0.0	0.0	0.0	0.0
2.000	0.0	0.0	0.1	0.1	0.1
2.500	0.1	0.1	0.1	0.1	0.1
3.000	0.1	0.1	0.1	0.1	0.1
3.500	0.1	0.1	0.1	0.1	0.1
4.000	0.1	0.1	0.1	0.1	0.1
4.500	0.1	0.2	0.2	0.2	0.2
5.000	0.2	0.2	0.2	0.2	0.2
5.500	0.2	0.2	0.2	0.2	0.2
6.000	0.2	0.2	0.2	0.3	0.3
6.500	0.3	0.3	0.3	0.3	0.3
7.000	0.3	0.3	0.3	0.3	0.3
7.500	0.3	0.3	0.4	0.4	0.4
8.000	0.4	0.4	0.4	0.4	0.4
8.500	0.4	0.4	0.4	0.4	0.4
9.000	0.5	0.5	0.5	0.5	0.5
9.500	0.5	0.5	0.6	0.6	0.6
10.000	0.6	0.6	0.6	0.6	0.7
10.500	0.7	0.7	0.7	0.8	0.8
11.000	0.8	0.9	0.9	0.9	1.0
11.500	1.0	1.1	1.2	1.3	1.5
12.000	1.8	2.3	2.5	2.6	2.7
12.500	2.8	2.8	2.8	2.9	2.9
13.000	3.0	3.0	3.0	3.1	3.1
13.500	3.1	3.1	3.1	3.2	3.2
14.000	3.2	3.2	3.2	3.2	3.2
14.500	3.3	3.3	3.3	3.3	3.3
15.000	3.3	3.3	3.3	3.3	3.4
15.500	3.4	3.4	3.4	3.4	3.4
16.000	3.4	3.4	3.4	3.4	3.4
16.500	3.4	3.5	3.5	3.5	3.5
17.000	3.5	3.5	3.5	3.5	3.5
17.500	3.5	3.5	3.5	3.5	3.5
18.000	3.5	3.6	3.6	3.6	3.6
18.500	3.6	3.6	3.6	3.6	3.6

BRE911312B WETLAND

Subsection: Time-Depth Curve

Label: MSE4

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

CUMULATIVE RAINFALL (in)

Output Time Increment = 0.100 hours

Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
19.000	3.6	3.6	3.6	3.6	3.6
19.500	3.6	3.6	3.6	3.6	3.7
20.000	3.7	3.7	3.7	3.7	3.7
20.500	3.7	3.7	3.7	3.7	3.7
21.000	3.7	3.7	3.7	3.7	3.7
21.500	3.7	3.7	3.7	3.7	3.7
22.000	3.7	3.7	3.7	3.7	3.7
22.500	3.7	3.8	3.8	3.8	3.8
23.000	3.8	3.8	3.8	3.8	3.8
23.500	3.8	3.8	3.8	3.8	3.8
24.000	3.8	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time of Concentration Calculations

Label: OverlandFlow

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Time of Concentration Results

Segment #1: SCS Lag	
Hydraulic Length	1,800.00 ft
CN	85.000
Slope	0.025 ft/ft
Average Velocity	1.09 ft/s
Segment Time of Concentration	0.459 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.459 hours

BRE911312B WETLAND

Subsection: Time of Concentration Calculations

Label: OverlandFlow

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

==== SCS Lag

Tc = $0.000877 * (Lf^{0.8}) * ((1000/CN)-9)^{0.7} * (Sf^{-0.5})$

Where: Tc= Time of concentration, hours

Lf= Flow length, feet

CN= SCS Curve Number

Sf= Slope, ft/ft

BRE911312B WETLAND

Subsection: Time of Concentration Calculations

Label: OverlandFlow

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

Time of Concentration Results

Segment #1: SCS Lag	
Hydraulic Length	1,800.00 ft
CN	85.000
Slope	0.025 ft/ft
Average Velocity	1.09 ft/s
Segment Time of Concentration	0.459 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.459 hours

BRE911312B WETLAND

Subsection: Time of Concentration Calculations

Label: OverlandFlow

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

==== SCS Lag

Tc = $0.000877 * (L_f^{**0.8}) * ((1000/CN)-9)^{**0.7} * (S_f^{**-0.5})$

Where: Tc= Time of concentration, hours

Lf= Flow length, feet

CN= SCS Curve Number

Sf= Slope, ft/ft

BRE911312B WETLAND

Subsection: Time of Concentration Calculations

Label: OverlandFlow

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

Time of Concentration Results

Segment #1: SCS Lag	
Hydraulic Length	1,800.00 ft
CN	85.000
Slope	0.025 ft/ft
Average Velocity	1.09 ft/s
Segment Time of Concentration	0.459 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.459 hours

BRE911312B WETLAND

Subsection: Time of Concentration Calculations

Label: OverlandFlow

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

==== SCS Lag

Tc = $0.000877 * (L_f^{**0.8}) * ((1000/CN)-9)^{**0.7} * (S_f^{**-0.5})$

Where: Tc= Time of concentration, hours

Lf= Flow length, feet

CN= SCS Curve Number

Sf= Slope, ft/ft

BRE911312B WETLAND

Subsection: Read Hydrograph
 Label: 18" Tile Diversion
 Scenario: Post-Development 5 year

Return Event: 5 years
 Storm Event: 5 year

Peak Discharge	3.80 ft ³ /s
Time to Peak	15.800 hours
Hydrograph Volume	15.074 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	3.80	3.80	3.80	3.80	3.80
1.000	3.80	3.80	3.80	3.80	3.80
2.000	3.80	3.80	3.80	3.80	3.80
3.000	3.80	3.80	3.80	3.80	3.80
4.000	3.80	3.80	3.80	3.80	3.80
5.000	3.80	3.80	3.80	3.80	3.80
6.000	3.80	3.80	3.80	3.80	3.80
7.000	3.80	3.80	3.80	3.80	3.80
8.000	3.80	3.80	3.80	3.80	3.80
9.000	3.80	3.80	3.80	3.80	3.80
10.000	3.80	3.80	3.80	3.80	3.80
11.000	3.80	3.80	3.80	3.80	3.80
12.000	3.80	3.80	3.80	3.80	3.80
13.000	3.80	3.80	3.80	3.80	3.80
14.000	3.80	3.80	3.80	3.80	3.80
15.000	3.80	3.80	3.80	3.80	3.80
16.000	3.80	3.80	3.80	3.80	3.80
17.000	3.80	3.80	3.80	3.80	3.80
18.000	3.80	3.80	3.80	3.80	3.80
19.000	3.80	3.80	3.80	3.80	3.80
20.000	3.80	3.80	3.80	3.80	3.80
21.000	3.80	3.80	3.80	3.80	3.80
22.000	3.80	3.80	3.80	3.80	3.80
23.000	3.80	3.80	3.80	3.80	3.80
24.000	3.80	3.80	3.80	3.80	3.80
25.000	3.80	3.80	3.80	3.80	3.80
26.000	3.80	3.80	3.80	3.80	3.80
27.000	3.80	3.80	3.80	3.80	3.80
28.000	3.80	3.80	3.80	3.80	3.80
29.000	3.80	3.80	3.80	3.80	3.80
30.000	3.80	3.80	3.80	3.80	3.80
31.000	3.80	3.80	3.80	3.80	3.80
32.000	3.80	3.80	3.80	3.80	3.80
33.000	3.80	3.80	3.80	3.80	3.80
34.000	3.80	3.80	3.80	3.80	3.80
35.000	3.80	3.80	3.80	3.80	3.80
36.000	3.80	3.80	3.80	3.80	3.80
37.000	3.80	3.80	3.80	3.80	3.80
38.000	3.80	3.80	3.80	3.80	3.80
39.000	3.80	3.80	3.80	3.80	3.80
40.000	3.80	3.80	3.80	3.80	3.80

BRE911312B WETLAND

Subsection: Read Hydrograph

Label: 18" Tile Diversion

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.200 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
41.000	3.80	3.80	3.80	3.80	3.80
42.000	3.80	3.80	3.80	3.80	3.80
43.000	3.80	3.80	3.80	3.80	3.80
44.000	3.80	3.80	3.80	3.80	3.80
45.000	3.80	3.80	3.80	3.80	3.80
46.000	3.80	3.80	3.80	3.80	3.80
47.000	3.80	3.80	3.80	3.80	3.80
48.000	3.80	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Read Hydrograph
 Label: 18" Tile Diversion
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Peak Discharge	3.80 ft ³ /s
Time to Peak	15.800 hours
Hydrograph Volume	15.074 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	3.80	3.80	3.80	3.80	3.80
1.000	3.80	3.80	3.80	3.80	3.80
2.000	3.80	3.80	3.80	3.80	3.80
3.000	3.80	3.80	3.80	3.80	3.80
4.000	3.80	3.80	3.80	3.80	3.80
5.000	3.80	3.80	3.80	3.80	3.80
6.000	3.80	3.80	3.80	3.80	3.80
7.000	3.80	3.80	3.80	3.80	3.80
8.000	3.80	3.80	3.80	3.80	3.80
9.000	3.80	3.80	3.80	3.80	3.80
10.000	3.80	3.80	3.80	3.80	3.80
11.000	3.80	3.80	3.80	3.80	3.80
12.000	3.80	3.80	3.80	3.80	3.80
13.000	3.80	3.80	3.80	3.80	3.80
14.000	3.80	3.80	3.80	3.80	3.80
15.000	3.80	3.80	3.80	3.80	3.80
16.000	3.80	3.80	3.80	3.80	3.80
17.000	3.80	3.80	3.80	3.80	3.80
18.000	3.80	3.80	3.80	3.80	3.80
19.000	3.80	3.80	3.80	3.80	3.80
20.000	3.80	3.80	3.80	3.80	3.80
21.000	3.80	3.80	3.80	3.80	3.80
22.000	3.80	3.80	3.80	3.80	3.80
23.000	3.80	3.80	3.80	3.80	3.80
24.000	3.80	3.80	3.80	3.80	3.80
25.000	3.80	3.80	3.80	3.80	3.80
26.000	3.80	3.80	3.80	3.80	3.80
27.000	3.80	3.80	3.80	3.80	3.80
28.000	3.80	3.80	3.80	3.80	3.80
29.000	3.80	3.80	3.80	3.80	3.80
30.000	3.80	3.80	3.80	3.80	3.80
31.000	3.80	3.80	3.80	3.80	3.80
32.000	3.80	3.80	3.80	3.80	3.80
33.000	3.80	3.80	3.80	3.80	3.80
34.000	3.80	3.80	3.80	3.80	3.80
35.000	3.80	3.80	3.80	3.80	3.80
36.000	3.80	3.80	3.80	3.80	3.80
37.000	3.80	3.80	3.80	3.80	3.80
38.000	3.80	3.80	3.80	3.80	3.80
39.000	3.80	3.80	3.80	3.80	3.80
40.000	3.80	3.80	3.80	3.80	3.80

BRE911312B WETLAND

Subsection: Read Hydrograph

Label: 18" Tile Diversion

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.200 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
41.000	3.80	3.80	3.80	3.80	3.80
42.000	3.80	3.80	3.80	3.80	3.80
43.000	3.80	3.80	3.80	3.80	3.80
44.000	3.80	3.80	3.80	3.80	3.80
45.000	3.80	3.80	3.80	3.80	3.80
46.000	3.80	3.80	3.80	3.80	3.80
47.000	3.80	3.80	3.80	3.80	3.80
48.000	3.80	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Read Hydrograph
 Label: 18" Tile Diversion
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Peak Discharge	3.80 ft ³ /s
Time to Peak	15.800 hours
Hydrograph Volume	15.074 ac-ft

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.200 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	3.80	3.80	3.80	3.80	3.80
1.000	3.80	3.80	3.80	3.80	3.80
2.000	3.80	3.80	3.80	3.80	3.80
3.000	3.80	3.80	3.80	3.80	3.80
4.000	3.80	3.80	3.80	3.80	3.80
5.000	3.80	3.80	3.80	3.80	3.80
6.000	3.80	3.80	3.80	3.80	3.80
7.000	3.80	3.80	3.80	3.80	3.80
8.000	3.80	3.80	3.80	3.80	3.80
9.000	3.80	3.80	3.80	3.80	3.80
10.000	3.80	3.80	3.80	3.80	3.80
11.000	3.80	3.80	3.80	3.80	3.80
12.000	3.80	3.80	3.80	3.80	3.80
13.000	3.80	3.80	3.80	3.80	3.80
14.000	3.80	3.80	3.80	3.80	3.80
15.000	3.80	3.80	3.80	3.80	3.80
16.000	3.80	3.80	3.80	3.80	3.80
17.000	3.80	3.80	3.80	3.80	3.80
18.000	3.80	3.80	3.80	3.80	3.80
19.000	3.80	3.80	3.80	3.80	3.80
20.000	3.80	3.80	3.80	3.80	3.80
21.000	3.80	3.80	3.80	3.80	3.80
22.000	3.80	3.80	3.80	3.80	3.80
23.000	3.80	3.80	3.80	3.80	3.80
24.000	3.80	3.80	3.80	3.80	3.80
25.000	3.80	3.80	3.80	3.80	3.80
26.000	3.80	3.80	3.80	3.80	3.80
27.000	3.80	3.80	3.80	3.80	3.80
28.000	3.80	3.80	3.80	3.80	3.80
29.000	3.80	3.80	3.80	3.80	3.80
30.000	3.80	3.80	3.80	3.80	3.80
31.000	3.80	3.80	3.80	3.80	3.80
32.000	3.80	3.80	3.80	3.80	3.80
33.000	3.80	3.80	3.80	3.80	3.80
34.000	3.80	3.80	3.80	3.80	3.80
35.000	3.80	3.80	3.80	3.80	3.80
36.000	3.80	3.80	3.80	3.80	3.80
37.000	3.80	3.80	3.80	3.80	3.80
38.000	3.80	3.80	3.80	3.80	3.80
39.000	3.80	3.80	3.80	3.80	3.80
40.000	3.80	3.80	3.80	3.80	3.80

BRE911312B WETLAND

Subsection: Read Hydrograph

Label: 18" Tile Diversion

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.200 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
41.000	3.80	3.80	3.80	3.80	3.80
42.000	3.80	3.80	3.80	3.80	3.80
43.000	3.80	3.80	3.80	3.80	3.80
44.000	3.80	3.80	3.80	3.80	3.80
45.000	3.80	3.80	3.80	3.80	3.80
46.000	3.80	3.80	3.80	3.80	3.80
47.000	3.80	3.80	3.80	3.80	3.80
48.000	3.80	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Unit Hydrograph Summary

Label: OverlandFlow

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Storm Event	5 year
Return Event	5 years
Duration	96.000 hours
Depth	3.8 in
Time of Concentration (Composite)	0.459 hours
Area (User Defined)	23.9 acres

Computational Time Increment	0.061 hours
Time to Peak (Computed)	12.301 hours
Flow (Peak, Computed)	45.21 ft ³ /s
Output Increment	0.050 hours
Time to Flow (Peak Interpolated Output)	12.300 hours
Flow (Peak Interpolated Output)	45.18 ft ³ /s

Drainage Area

SCS CN (Composite)	85.000
Area (User Defined)	23.9 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff

Cumulative Runoff Depth (Pervious)	2.3 in
Runoff Volume (Pervious)	4.506 ac-ft

Hydrograph Volume (Area under Hydrograph curve)

Volume	4.506 ac-ft
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SCS Unit Hydrograph Parameters

Time of Concentration (Composite)	0.459 hours
Computational Time Increment	0.061 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	59.00 ft ³ /s
Unit peak time, Tp	0.306 hours
Unit receding limb, Tr	1.224 hours
Total unit time, Tb	1.530 hours

BRE911312B WETLAND

Subsection: Unit Hydrograph Summary

Label: OverlandFlow

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

SCS Unit Hydrograph Parameters

BRE911312B WETLAND

Subsection: Unit Hydrograph (Hydrograph Table)

Label: OverlandFlow

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Storm Event	5 year
Return Event	5 years
Duration	96.000 hours
Depth	3.8 in
Time of Concentration (Composite)	0.459 hours
Area (User Defined)	23.9 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
7.850	0.00	0.00	0.00	0.01	0.01
8.100	0.01	0.02	0.03	0.03	0.04
8.350	0.05	0.05	0.06	0.07	0.08
8.600	0.09	0.10	0.10	0.11	0.12
8.850	0.13	0.14	0.15	0.16	0.17
9.100	0.18	0.20	0.22	0.25	0.28
9.350	0.31	0.34	0.37	0.39	0.42
9.600	0.45	0.47	0.50	0.52	0.55
9.850	0.57	0.60	0.62	0.65	0.67
10.100	0.70	0.72	0.75	0.77	0.80
10.350	0.82	0.85	0.88	0.90	0.94
10.600	0.98	1.04	1.12	1.22	1.34
10.850	1.47	1.61	1.75	1.91	2.07
11.100	2.23	2.40	2.58	2.76	2.95
11.350	3.15	3.36	3.57	3.80	4.05
11.600	4.36	4.75	5.26	5.92	6.83
11.850	8.00	9.51	11.51	14.16	18.10
12.100	23.59	30.03	36.53	42.00	45.18
12.350	45.12	43.24	39.98	35.89	31.58
12.600	27.75	24.46	21.53	18.97	16.77
12.850	14.95	13.50	12.30	11.32	10.50
13.100	9.81	9.24	8.73	8.28	7.88
13.350	7.50	7.14	6.80	6.47	6.15
13.600	5.82	5.49	5.15	4.81	4.49
13.850	4.21	3.97	3.78	3.63	3.51
14.100	3.42	3.34	3.28	3.23	3.19
14.350	3.15	3.12	3.09	3.07	3.04
14.600	3.02	3.00	2.98	2.96	2.94
14.850	2.92	2.90	2.89	2.87	2.84
15.100	2.79	2.72	2.62	2.49	2.37
15.350	2.25	2.14	2.05	1.98	1.93
15.600	1.89	1.85	1.82	1.80	1.78
15.850	1.76	1.75	1.73	1.72	1.71
16.100	1.70	1.69	1.68	1.67	1.66
16.350	1.65	1.64	1.64	1.63	1.62
16.600	1.61	1.60	1.60	1.59	1.58
16.850	1.57	1.56	1.56	1.55	1.54

BRE911312B WETLAND

Subsection: Unit Hydrograph (Hydrograph Table)

Label: OverlandFlow

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
17.100	1.53	1.52	1.52	1.51	1.50
17.350	1.49	1.48	1.47	1.47	1.46
17.600	1.45	1.44	1.43	1.43	1.42
17.850	1.41	1.40	1.39	1.38	1.38
18.100	1.37	1.36	1.35	1.34	1.33
18.350	1.33	1.32	1.31	1.30	1.29
18.600	1.29	1.28	1.27	1.26	1.25
18.850	1.24	1.24	1.23	1.22	1.21
19.100	1.20	1.19	1.19	1.18	1.17
19.350	1.16	1.15	1.14	1.14	1.13
19.600	1.12	1.11	1.10	1.09	1.09
19.850	1.08	1.07	1.06	1.05	1.04
20.100	1.04	1.03	1.02	1.01	1.00
20.350	0.99	0.99	0.98	0.97	0.96
20.600	0.95	0.94	0.93	0.93	0.92
20.850	0.91	0.90	0.89	0.88	0.88
21.100	0.87	0.86	0.85	0.84	0.83
21.350	0.82	0.82	0.81	0.80	0.79
21.600	0.78	0.77	0.77	0.76	0.75
21.850	0.74	0.73	0.72	0.71	0.71
22.100	0.70	0.69	0.68	0.67	0.66
22.350	0.65	0.65	0.64	0.63	0.62
22.600	0.61	0.60	0.60	0.59	0.58
22.850	0.57	0.56	0.55	0.54	0.53
23.100	0.53	0.52	0.51	0.50	0.49
23.350	0.48	0.48	0.47	0.46	0.45
23.600	0.44	0.43	0.42	0.41	0.41
23.850	0.40	0.39	0.38	0.37	0.36
24.100	0.34	0.31	0.28	0.24	0.19
24.350	0.15	0.12	0.09	0.07	0.05
24.600	0.04	0.03	0.02	0.02	0.01
24.850	0.01	0.01	0.01	0.00	0.00
25.100	0.00	0.00	0.00	0.00	(N/A)

BRE911312B WETLAND

Subsection: Unit Hydrograph Summary

Label: OverlandFlow

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

Storm Event	25 year
Return Event	25 years
Duration	96.000 hours
Depth	5.6 in
Time of Concentration (Composite)	0.459 hours
Area (User Defined)	23.9 acres

Computational Time Increment	0.061 hours
Time to Peak (Computed)	12.301 hours
Flow (Peak, Computed)	77.11 ft ³ /s
Output Increment	0.050 hours
Time to Flow (Peak Interpolated Output)	12.300 hours
Flow (Peak Interpolated Output)	77.06 ft ³ /s

Drainage Area

SCS CN (Composite)	85.000
Area (User Defined)	23.9 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff

Cumulative Runoff Depth (Pervious)	3.9 in
Runoff Volume (Pervious)	7.746 ac-ft

Hydrograph Volume (Area under Hydrograph curve)

Volume	7.746 ac-ft
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SCS Unit Hydrograph Parameters

Time of Concentration (Composite)	0.459 hours
Computational Time Increment	0.061 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	59.00 ft ³ /s
Unit peak time, Tp	0.306 hours
Unit receding limb, Tr	1.224 hours
Total unit time, Tb	1.530 hours

BRE911312B WETLAND

Subsection: Unit Hydrograph Summary

Label: OverlandFlow

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

SCS Unit Hydrograph Parameters

BRE911312B WETLAND

Subsection: Unit Hydrograph (Hydrograph Table)

Label: OverlandFlow

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

Storm Event	25 year
Return Event	25 years
Duration	96.000 hours
Depth	5.6 in
Time of Concentration (Composite)	0.459 hours
Area (User Defined)	23.9 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
6.250	0.00	0.00	0.01	0.01	0.01
6.500	0.02	0.03	0.04	0.05	0.06
6.750	0.07	0.08	0.10	0.11	0.12
7.000	0.13	0.15	0.16	0.17	0.19
7.250	0.20	0.21	0.23	0.24	0.26
7.500	0.27	0.29	0.30	0.32	0.33
7.750	0.35	0.36	0.38	0.39	0.41
8.000	0.42	0.44	0.45	0.47	0.48
8.250	0.50	0.52	0.53	0.55	0.56
8.500	0.58	0.60	0.61	0.63	0.65
8.750	0.66	0.68	0.70	0.71	0.73
9.000	0.75	0.77	0.81	0.85	0.92
9.250	0.99	1.07	1.15	1.23	1.30
9.500	1.37	1.42	1.48	1.53	1.58
9.750	1.63	1.67	1.72	1.76	1.81
10.000	1.85	1.90	1.94	1.98	2.03
10.250	2.07	2.11	2.16	2.20	2.25
10.500	2.29	2.35	2.43	2.55	2.72
10.750	2.94	3.18	3.46	3.75	4.05
11.000	4.36	4.67	4.99	5.32	5.66
11.250	6.01	6.36	6.73	7.10	7.48
11.500	7.88	8.32	8.87	9.57	10.50
11.750	11.70	13.34	15.43	18.12	21.61
12.000	26.22	32.96	42.18	52.85	63.49
12.250	72.25	77.06	76.46	72.85	67.01
12.500	59.87	52.44	45.92	40.33	35.39
12.750	31.08	27.40	24.35	21.93	19.94
13.000	18.30	16.94	15.80	14.84	14.01
13.250	13.27	12.59	11.97	11.39	10.84
13.500	10.30	9.78	9.25	8.72	8.17
13.750	7.63	7.13	6.68	6.30	5.99
14.000	5.75	5.57	5.42	5.29	5.19
14.250	5.11	5.04	4.98	4.93	4.88
14.500	4.84	4.80	4.77	4.73	4.70
14.750	4.67	4.64	4.61	4.58	4.55
15.000	4.52	4.48	4.40	4.28	4.12
15.250	3.93	3.73	3.54	3.37	3.23

BRE911312B WETLAND

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 25 years

Label: OverlandFlow

Storm Event: 25 year

Scenario: Post-Development 25 year

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
15.500	3.12	3.03	2.97	2.91	2.87
15.750	2.83	2.80	2.77	2.74	2.72
16.000	2.70	2.69	2.67	2.65	2.64
16.250	2.62	2.61	2.60	2.58	2.57
16.500	2.56	2.54	2.53	2.52	2.50
16.750	2.49	2.48	2.47	2.45	2.44
17.000	2.43	2.41	2.40	2.39	2.38
17.250	2.36	2.35	2.34	2.32	2.31
17.500	2.30	2.28	2.27	2.26	2.25
17.750	2.23	2.22	2.21	2.19	2.18
18.000	2.17	2.15	2.14	2.13	2.11
18.250	2.10	2.09	2.08	2.06	2.05
18.500	2.04	2.03	2.01	2.00	1.98
18.750	1.97	1.96	1.94	1.93	1.92
19.000	1.91	1.89	1.88	1.87	1.85
19.250	1.84	1.83	1.81	1.80	1.79
19.500	1.77	1.76	1.75	1.73	1.72
19.750	1.71	1.70	1.68	1.67	1.66
20.000	1.64	1.63	1.62	1.60	1.59
20.250	1.58	1.56	1.55	1.54	1.52
20.500	1.51	1.50	1.48	1.47	1.46
20.750	1.44	1.43	1.42	1.41	1.39
21.000	1.38	1.37	1.35	1.34	1.33
21.250	1.31	1.30	1.29	1.27	1.26
21.500	1.25	1.23	1.22	1.21	1.19
21.750	1.18	1.17	1.15	1.14	1.13
22.000	1.11	1.10	1.09	1.07	1.06
22.250	1.05	1.03	1.02	1.01	0.99
22.500	0.98	0.97	0.95	0.94	0.93
22.750	0.91	0.90	0.89	0.87	0.86
23.000	0.85	0.83	0.82	0.81	0.79
23.250	0.78	0.77	0.75	0.74	0.73
23.500	0.71	0.70	0.69	0.67	0.66
23.750	0.65	0.63	0.62	0.61	0.59
24.000	0.58	0.56	0.53	0.49	0.43
24.250	0.37	0.30	0.24	0.19	0.14
24.500	0.11	0.08	0.06	0.05	0.04
24.750	0.03	0.02	0.02	0.01	0.01
25.000	0.01	0.01	0.00	0.00	0.00
25.250	0.00	0.00	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Unit Hydrograph Summary

Label: OverlandFlow

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

Storm Event	100 year
Return Event	100 years
Duration	96.000 hours
Depth	7.5 in
Time of Concentration (Composite)	0.459 hours
Area (User Defined)	23.9 acres

Computational Time Increment	0.061 hours
Time to Peak (Computed)	12.301 hours
Flow (Peak, Computed)	111.78 ft ³ /s
Output Increment	0.050 hours
Time to Flow (Peak Interpolated Output)	12.300 hours
Flow (Peak Interpolated Output)	111.71 ft ³ /s

Drainage Area

SCS CN (Composite)	85.000
Area (User Defined)	23.9 acres
Maximum Retention (Pervious)	1.8 in
Maximum Retention (Pervious, 20 percent)	0.4 in

Cumulative Runoff

Cumulative Runoff Depth (Pervious)	5.7 in
Runoff Volume (Pervious)	11.378 ac-ft

Hydrograph Volume (Area under Hydrograph curve)

Volume	11.378 ac-ft
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SCS Unit Hydrograph Parameters

Time of Concentration (Composite)	0.459 hours
Computational Time Increment	0.061 hours
Unit Hydrograph Shape Factor	483.432
K Factor	0.749
Receding/Rising, Tr/Tp	1.670
Unit peak, qp	59.00 ft ³ /s
Unit peak time, Tp	0.306 hours
Unit receding limb, Tr	1.224 hours
Total unit time, Tb	1.530 hours

BRE911312B WETLAND

Subsection: Unit Hydrograph Summary

Label: OverlandFlow

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

SCS Unit Hydrograph Parameters

BRE911312B WETLAND

Subsection: Unit Hydrograph (Hydrograph Table)

Label: OverlandFlow

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

Storm Event	100 year
Return Event	100 years
Duration	96.000 hours
Depth	7.5 in
Time of Concentration (Composite)	0.459 hours
Area (User Defined)	23.9 acres

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
5.200	0.00	0.00	0.01	0.01	0.02
5.450	0.03	0.04	0.05	0.06	0.08
5.700	0.09	0.11	0.12	0.14	0.16
5.950	0.18	0.20	0.21	0.23	0.25
6.200	0.27	0.29	0.31	0.33	0.35
6.450	0.37	0.39	0.41	0.43	0.45
6.700	0.47	0.49	0.51	0.54	0.56
6.950	0.58	0.60	0.62	0.64	0.67
7.200	0.69	0.71	0.73	0.76	0.78
7.450	0.80	0.82	0.85	0.87	0.89
7.700	0.92	0.94	0.96	0.99	1.01
7.950	1.04	1.06	1.08	1.11	1.13
8.200	1.16	1.18	1.20	1.23	1.25
8.450	1.28	1.30	1.33	1.35	1.38
8.700	1.40	1.43	1.46	1.48	1.51
8.950	1.53	1.56	1.59	1.65	1.74
9.200	1.85	1.99	2.13	2.28	2.42
9.450	2.54	2.65	2.75	2.84	2.92
9.700	3.00	3.07	3.14	3.21	3.27
9.950	3.34	3.40	3.47	3.53	3.59
10.200	3.65	3.71	3.78	3.84	3.90
10.450	3.96	4.03	4.12	4.24	4.42
10.700	4.70	5.05	5.45	5.89	6.36
10.950	6.84	7.33	7.82	8.32	8.83
11.200	9.34	9.87	10.41	10.95	11.51
11.450	12.08	12.66	13.31	14.12	15.16
11.700	16.54	18.34	20.78	23.88	27.86
11.950	33.00	39.73	49.48	62.72	77.93
12.200	92.97	105.20	111.71	110.44	104.90
12.450	96.21	85.74	74.93	65.49	57.40
12.700	50.29	44.09	38.81	34.43	30.97
12.950	28.11	25.76	23.82	22.19	20.82
13.200	19.64	18.59	17.63	16.75	15.92
13.450	15.14	14.39	13.65	12.92	12.17
13.700	11.40	10.64	9.94	9.31	8.78
13.950	8.34	8.02	7.76	7.54	7.37
14.200	7.23	7.12	7.02	6.94	6.86

BRE911312B WETLAND

Subsection: Unit Hydrograph (Hydrograph Table)

Return Event: 100 years

Label: OverlandFlow

Storm Event: 100 year

Scenario: Post-Development 100 year

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
14.450	6.80	6.74	6.68	6.63	6.58
14.700	6.54	6.49	6.45	6.41	6.37
14.950	6.33	6.28	6.22	6.12	5.95
15.200	5.72	5.46	5.18	4.92	4.68
15.450	4.49	4.33	4.21	4.12	4.04
15.700	3.98	3.93	3.88	3.84	3.81
15.950	3.78	3.75	3.73	3.70	3.68
16.200	3.66	3.64	3.62	3.60	3.58
16.450	3.56	3.55	3.53	3.51	3.49
16.700	3.47	3.46	3.44	3.42	3.40
16.950	3.38	3.36	3.35	3.33	3.31
17.200	3.29	3.28	3.26	3.24	3.22
17.450	3.20	3.18	3.17	3.15	3.13
17.700	3.11	3.09	3.08	3.06	3.04
17.950	3.02	3.00	2.98	2.96	2.95
18.200	2.93	2.91	2.89	2.87	2.86
18.450	2.84	2.82	2.80	2.79	2.77
18.700	2.75	2.73	2.71	2.69	2.67
18.950	2.66	2.64	2.62	2.60	2.58
19.200	2.57	2.55	2.53	2.51	2.49
19.450	2.47	2.45	2.44	2.42	2.40
19.700	2.38	2.36	2.35	2.33	2.31
19.950	2.29	2.27	2.26	2.24	2.22
20.200	2.20	2.18	2.16	2.14	2.13
20.450	2.11	2.09	2.07	2.05	2.03
20.700	2.01	2.00	1.98	1.96	1.94
20.950	1.92	1.91	1.89	1.87	1.85
21.200	1.83	1.81	1.80	1.78	1.76
21.450	1.74	1.72	1.70	1.69	1.67
21.700	1.65	1.63	1.61	1.59	1.57
21.950	1.56	1.54	1.52	1.50	1.48
22.200	1.46	1.44	1.43	1.41	1.39
22.450	1.37	1.35	1.34	1.32	1.30
22.700	1.28	1.26	1.24	1.23	1.21
22.950	1.19	1.17	1.15	1.13	1.11
23.200	1.09	1.08	1.06	1.04	1.02
23.450	1.00	0.99	0.97	0.95	0.93
23.700	0.91	0.89	0.87	0.86	0.84
23.950	0.82	0.80	0.77	0.73	0.67
24.200	0.60	0.51	0.42	0.33	0.26
24.450	0.20	0.15	0.11	0.09	0.07
24.700	0.05	0.04	0.03	0.02	0.02
24.950	0.01	0.01	0.01	0.01	0.00
25.200	0.00	0.00	0.00	0.00	(N/A)

BRE911312B WETLAND

Subsection: Addition Summary

Label: Wetland Outlet

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Summary for Hydrograph Addition at 'Wetland Outlet'

Upstream Link	Upstream Node
Wetland Outlet	WetlandPool

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Wetland Outlet	19.588	13.100	13.64
Flow (In)	Wetland Outlet	19.588	13.100	13.64

BRE911312B WETLAND

Subsection: Addition Summary

Label: Wetland Outlet

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

Summary for Hydrograph Addition at 'Wetland Outlet'

Upstream Link	Upstream Node
Wetland Outlet	WetlandPool

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Wetland Outlet	22.828	12.950	23.84
Flow (In)	Wetland Outlet	22.828	12.950	23.84

BRE911312B WETLAND

Subsection: Addition Summary
Label: Wetland Outlet
Scenario: Post-Development 100 year

Return Event: 100 years
Storm Event: 100 year

Summary for Hydrograph Addition at 'Wetland Outlet'

Upstream Link	Upstream Node
Wetland Outlet	WetlandPool

Node Inflows

Inflow Type	Element	Volume (ac-ft)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Flow (From)	Wetland Outlet	26.460	12.900	36.17
Flow (In)	Wetland Outlet	26.460	12.900	36.17

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	956.00	956.00	956.00	956.01	956.01
0.250	956.01	956.01	956.01	956.01	956.02
0.500	956.02	956.02	956.02	956.02	956.02
0.750	956.02	956.03	956.03	956.03	956.03
1.000	956.03	956.03	956.03	956.03	956.04
1.250	956.04	956.04	956.04	956.04	956.04
1.500	956.04	956.04	956.04	956.04	956.05
1.750	956.05	956.05	956.05	956.05	956.05
2.000	956.05	956.05	956.05	956.05	956.05
2.250	956.06	956.06	956.06	956.06	956.06
2.500	956.06	956.06	956.06	956.06	956.06
2.750	956.06	956.06	956.06	956.06	956.06
3.000	956.07	956.07	956.07	956.07	956.07
3.250	956.07	956.07	956.07	956.07	956.07
3.500	956.07	956.07	956.07	956.07	956.07
3.750	956.07	956.07	956.07	956.07	956.07
4.000	956.07	956.08	956.08	956.08	956.08
4.250	956.08	956.08	956.08	956.08	956.08
4.500	956.08	956.08	956.08	956.08	956.08
4.750	956.08	956.08	956.08	956.08	956.08
5.000	956.08	956.08	956.08	956.08	956.08
5.250	956.08	956.08	956.08	956.08	956.08
5.500	956.08	956.08	956.08	956.08	956.08
5.750	956.09	956.09	956.09	956.09	956.09
6.000	956.09	956.09	956.09	956.09	956.09
6.250	956.09	956.09	956.09	956.09	956.09
6.500	956.09	956.09	956.09	956.09	956.09
6.750	956.09	956.09	956.09	956.09	956.09
7.000	956.09	956.09	956.09	956.09	956.09
7.250	956.09	956.09	956.09	956.09	956.09
7.500	956.09	956.09	956.09	956.09	956.09
7.750	956.09	956.09	956.09	956.09	956.09
8.000	956.09	956.09	956.09	956.09	956.09
8.250	956.09	956.09	956.09	956.09	956.09
8.500	956.09	956.09	956.09	956.09	956.09
8.750	956.09	956.09	956.09	956.09	956.09
9.000	956.09	956.09	956.09	956.09	956.09
9.250	956.09	956.09	956.09	956.09	956.09
9.500	956.10	956.10	956.10	956.10	956.10
9.750	956.10	956.10	956.10	956.10	956.10
10.000	956.10	956.10	956.10	956.10	956.10
10.250	956.10	956.10	956.10	956.10	956.10
10.500	956.10	956.10	956.10	956.10	956.10
10.750	956.10	956.10	956.10	956.10	956.10
11.000	956.11	956.11	956.11	956.11	956.11

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	956.11	956.11	956.11	956.11	956.11
11.500	956.12	956.12	956.12	956.12	956.12
11.750	956.13	956.13	956.13	956.13	956.14
12.000	956.14	956.15	956.16	956.17	956.19
12.250	956.20	956.22	956.24	956.26	956.27
12.500	956.29	956.30	956.31	956.32	956.33
12.750	956.33	956.34	956.34	956.34	956.34
13.000	956.34	956.34	956.34	956.34	956.34
13.250	956.34	956.34	956.34	956.34	956.34
13.500	956.34	956.34	956.33	956.33	956.33
13.750	956.33	956.33	956.32	956.32	956.32
14.000	956.32	956.31	956.31	956.31	956.31
14.250	956.31	956.30	956.30	956.30	956.30
14.500	956.29	956.29	956.29	956.29	956.28
14.750	956.28	956.28	956.28	956.28	956.27
15.000	956.27	956.27	956.27	956.27	956.26
15.250	956.26	956.26	956.26	956.26	956.25
15.500	956.25	956.25	956.25	956.25	956.24
15.750	956.24	956.24	956.24	956.24	956.24
16.000	956.23	956.23	956.23	956.23	956.23
16.250	956.22	956.22	956.22	956.22	956.22
16.500	956.22	956.22	956.21	956.21	956.21
16.750	956.21	956.21	956.21	956.21	956.20
17.000	956.20	956.20	956.20	956.20	956.20
17.250	956.20	956.20	956.19	956.19	956.19
17.500	956.19	956.19	956.19	956.19	956.19
17.750	956.19	956.18	956.18	956.18	956.18
18.000	956.18	956.18	956.18	956.18	956.18
18.250	956.18	956.18	956.17	956.17	956.17
18.500	956.17	956.17	956.17	956.17	956.17
18.750	956.17	956.17	956.17	956.17	956.17
19.000	956.16	956.16	956.16	956.16	956.16
19.250	956.16	956.16	956.16	956.16	956.16
19.500	956.16	956.16	956.16	956.16	956.16
19.750	956.15	956.15	956.15	956.15	956.15
20.000	956.15	956.15	956.15	956.15	956.15
20.250	956.15	956.15	956.15	956.15	956.15
20.500	956.15	956.15	956.15	956.15	956.14
20.750	956.14	956.14	956.14	956.14	956.14
21.000	956.14	956.14	956.14	956.14	956.14
21.250	956.14	956.14	956.14	956.14	956.14
21.500	956.14	956.14	956.14	956.14	956.14
21.750	956.14	956.14	956.13	956.13	956.13
22.000	956.13	956.13	956.13	956.13	956.13
22.250	956.13	956.13	956.13	956.13	956.13

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	956.13	956.13	956.13	956.13	956.13
22.750	956.13	956.13	956.13	956.13	956.13
23.000	956.13	956.13	956.13	956.13	956.13
23.250	956.13	956.13	956.12	956.12	956.12
23.500	956.12	956.12	956.12	956.12	956.12
23.750	956.12	956.12	956.12	956.12	956.12
24.000	956.12	956.12	956.12	956.12	956.12
24.250	956.12	956.12	956.12	956.12	956.12
24.500	956.12	956.12	956.12	956.12	956.12
24.750	956.12	956.12	956.11	956.11	956.11
25.000	956.11	956.11	956.11	956.11	956.11
25.250	956.11	956.11	956.11	956.11	956.11
25.500	956.11	956.11	956.11	956.11	956.11
25.750	956.11	956.11	956.11	956.11	956.11
26.000	956.11	956.11	956.11	956.11	956.11
26.250	956.11	956.11	956.11	956.11	956.11
26.500	956.11	956.11	956.11	956.11	956.11
26.750	956.11	956.11	956.10	956.10	956.10
27.000	956.10	956.10	956.10	956.10	956.10
27.250	956.10	956.10	956.10	956.10	956.10
27.500	956.10	956.10	956.10	956.10	956.10
27.750	956.10	956.10	956.10	956.10	956.10
28.000	956.10	956.10	956.10	956.10	956.10
28.250	956.10	956.10	956.10	956.10	956.10
28.500	956.10	956.10	956.10	956.10	956.10
28.750	956.10	956.10	956.10	956.10	956.10
29.000	956.10	956.10	956.10	956.10	956.10
29.250	956.10	956.10	956.10	956.10	956.10
29.500	956.10	956.10	956.10	956.10	956.10
29.750	956.10	956.10	956.10	956.10	956.10
30.000	956.10	956.10	956.10	956.10	956.10
30.250	956.10	956.10	956.10	956.10	956.10
30.500	956.10	956.10	956.10	956.10	956.10
30.750	956.10	956.10	956.10	956.10	956.10
31.000	956.10	956.10	956.10	956.10	956.10
31.250	956.10	956.10	956.10	956.10	956.10
31.500	956.10	956.10	956.10	956.10	956.10
31.750	956.10	956.10	956.10	956.10	956.10
32.000	956.10	956.10	956.10	956.10	956.10
32.250	956.10	956.10	956.10	956.10	956.10
32.500	956.10	956.10	956.10	956.10	956.10
32.750	956.10	956.10	956.10	956.10	956.10
33.000	956.10	956.10	956.10	956.10	956.10
33.250	956.10	956.10	956.10	956.10	956.10
33.500	956.10	956.10	956.10	956.10	956.10

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
33.750	956.10	956.10	956.10	956.10	956.10
34.000	956.10	956.10	956.10	956.10	956.10
34.250	956.10	956.10	956.10	956.10	956.10
34.500	956.10	956.10	956.10	956.10	956.10
34.750	956.10	956.10	956.10	956.10	956.10
35.000	956.10	956.10	956.10	956.10	956.10
35.250	956.10	956.10	956.10	956.10	956.10
35.500	956.10	956.10	956.10	956.10	956.10
35.750	956.10	956.10	956.10	956.10	956.10
36.000	956.10	956.10	956.10	956.10	956.10
36.250	956.10	956.10	956.10	956.10	956.10
36.500	956.10	956.10	956.10	956.10	956.10
36.750	956.10	956.10	956.10	956.10	956.10
37.000	956.10	956.10	956.10	956.10	956.10
37.250	956.10	956.10	956.10	956.10	956.10
37.500	956.10	956.10	956.10	956.10	956.10
37.750	956.10	956.10	956.10	956.10	956.10
38.000	956.10	956.10	956.10	956.10	956.10
38.250	956.10	956.10	956.10	956.10	956.10
38.500	956.10	956.10	956.10	956.10	956.10
38.750	956.10	956.10	956.10	956.10	956.10
39.000	956.10	956.10	956.10	956.10	956.10
39.250	956.10	956.10	956.10	956.10	956.10
39.500	956.10	956.10	956.10	956.10	956.10
39.750	956.10	956.10	956.10	956.10	956.10
40.000	956.10	956.10	956.10	956.10	956.10
40.250	956.10	956.10	956.10	956.10	956.10
40.500	956.10	956.10	956.10	956.10	956.10
40.750	956.10	956.10	956.10	956.10	956.10
41.000	956.10	956.10	956.10	956.10	956.10
41.250	956.10	956.10	956.10	956.10	956.10
41.500	956.10	956.10	956.10	956.10	956.10
41.750	956.10	956.10	956.10	956.10	956.10
42.000	956.10	956.10	956.10	956.10	956.10
42.250	956.10	956.10	956.10	956.10	956.10
42.500	956.10	956.10	956.10	956.10	956.10
42.750	956.10	956.10	956.10	956.10	956.10
43.000	956.10	956.10	956.10	956.10	956.10
43.250	956.10	956.10	956.10	956.10	956.10
43.500	956.10	956.10	956.10	956.10	956.10
43.750	956.10	956.10	956.10	956.10	956.10
44.000	956.10	956.10	956.10	956.10	956.10
44.250	956.10	956.10	956.10	956.10	956.10
44.500	956.10	956.10	956.10	956.10	956.10
44.750	956.10	956.10	956.10	956.10	956.10

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
45.000	956.10	956.10	956.10	956.10	956.10
45.250	956.10	956.10	956.10	956.10	956.10
45.500	956.10	956.10	956.10	956.10	956.10
45.750	956.10	956.10	956.10	956.10	956.10
46.000	956.10	956.10	956.10	956.10	956.10
46.250	956.10	956.10	956.10	956.10	956.10
46.500	956.10	956.10	956.10	956.10	956.10
46.750	956.10	956.10	956.10	956.10	956.10
47.000	956.10	956.10	956.10	956.10	956.10
47.250	956.10	956.10	956.10	956.10	956.10
47.500	956.10	956.10	956.10	956.10	956.10
47.750	956.10	956.10	956.10	956.10	956.10
48.000	956.10	956.10	956.09	956.09	956.09
48.250	956.09	956.09	956.08	956.08	956.08
48.500	956.08	956.08	956.08	956.08	956.07
48.750	956.07	956.07	956.07	956.07	956.07
49.000	956.07	956.07	956.06	956.06	956.06
49.250	956.06	956.06	956.06	956.06	956.06
49.500	956.05	956.05	956.05	956.05	956.05
49.750	956.05	956.05	956.05	956.05	956.05
50.000	956.05	956.04	956.04	956.04	956.04
50.250	956.04	956.04	956.04	956.04	956.04
50.500	956.04	956.04	956.04	956.04	956.03
50.750	956.03	956.03	956.03	956.03	956.03
51.000	956.03	956.03	956.03	956.03	956.03
51.250	956.03	956.03	956.03	956.03	956.03
51.500	956.03	956.03	956.02	956.02	956.02
51.750	956.02	956.02	956.02	956.02	956.02
52.000	956.02	956.02	956.02	956.02	956.02
52.250	956.02	956.02	956.02	956.02	956.02
52.500	956.02	956.02	956.02	956.02	956.02
52.750	956.02	956.02	956.02	956.02	956.01
53.000	956.01	956.01	956.01	956.01	956.01
53.250	956.01	956.01	956.01	956.01	956.01
53.500	956.01	956.01	956.01	956.01	956.01
53.750	956.01	956.01	956.01	956.01	956.01
54.000	956.01	956.01	956.01	956.01	956.01
54.250	956.01	956.01	956.01	956.01	956.01
54.500	956.01	956.01	956.01	956.01	956.01
54.750	956.01	956.01	956.01	956.01	956.01
55.000	956.01	956.01	956.01	956.01	956.01
55.250	956.01	956.01	956.01	956.01	956.01
55.500	956.01	956.01	956.01	956.01	956.01
55.750	956.01	956.01	956.00	956.00	956.00
56.000	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
56.250	956.00	956.00	956.00	956.00	956.00
56.500	956.00	956.00	956.00	956.00	956.00
56.750	956.00	956.00	956.00	956.00	956.00
57.000	956.00	956.00	956.00	956.00	956.00
57.250	956.00	956.00	956.00	956.00	956.00
57.500	956.00	956.00	956.00	956.00	956.00
57.750	956.00	956.00	956.00	956.00	956.00
58.000	956.00	956.00	956.00	956.00	956.00
58.250	956.00	956.00	956.00	956.00	956.00
58.500	956.00	956.00	956.00	956.00	956.00
58.750	956.00	956.00	956.00	956.00	956.00
59.000	956.00	956.00	956.00	956.00	956.00
59.250	956.00	956.00	956.00	956.00	956.00
59.500	956.00	956.00	956.00	956.00	956.00
59.750	956.00	956.00	956.00	956.00	956.00
60.000	956.00	956.00	956.00	956.00	956.00
60.250	956.00	956.00	956.00	956.00	956.00
60.500	956.00	956.00	956.00	956.00	956.00
60.750	956.00	956.00	956.00	956.00	956.00
61.000	956.00	956.00	956.00	956.00	956.00
61.250	956.00	956.00	956.00	956.00	956.00
61.500	956.00	956.00	956.00	956.00	956.00
61.750	956.00	956.00	956.00	956.00	956.00
62.000	956.00	956.00	956.00	956.00	956.00
62.250	956.00	956.00	956.00	956.00	956.00
62.500	956.00	956.00	956.00	956.00	956.00
62.750	956.00	956.00	956.00	956.00	956.00
63.000	956.00	956.00	956.00	956.00	956.00
63.250	956.00	956.00	956.00	956.00	956.00
63.500	956.00	956.00	956.00	956.00	956.00
63.750	956.00	956.00	956.00	956.00	956.00
64.000	956.00	956.00	956.00	956.00	956.00
64.250	956.00	956.00	956.00	956.00	956.00
64.500	956.00	956.00	956.00	956.00	956.00
64.750	956.00	956.00	956.00	956.00	956.00
65.000	956.00	956.00	956.00	956.00	956.00
65.250	956.00	956.00	956.00	956.00	956.00
65.500	956.00	956.00	956.00	956.00	956.00
65.750	956.00	956.00	956.00	956.00	956.00
66.000	956.00	956.00	956.00	956.00	956.00
66.250	956.00	956.00	956.00	956.00	956.00
66.500	956.00	956.00	956.00	956.00	956.00
66.750	956.00	956.00	956.00	956.00	956.00
67.000	956.00	956.00	956.00	956.00	956.00
67.250	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
67.500	956.00	956.00	956.00	956.00	956.00
67.750	956.00	956.00	956.00	956.00	956.00
68.000	956.00	956.00	956.00	956.00	956.00
68.250	956.00	956.00	956.00	956.00	956.00
68.500	956.00	956.00	956.00	956.00	956.00
68.750	956.00	956.00	956.00	956.00	956.00
69.000	956.00	956.00	956.00	956.00	956.00
69.250	956.00	956.00	956.00	956.00	956.00
69.500	956.00	956.00	956.00	956.00	956.00
69.750	956.00	956.00	956.00	956.00	956.00
70.000	956.00	956.00	956.00	956.00	956.00
70.250	956.00	956.00	956.00	956.00	956.00
70.500	956.00	956.00	956.00	956.00	956.00
70.750	956.00	956.00	956.00	956.00	956.00
71.000	956.00	956.00	956.00	956.00	956.00
71.250	956.00	956.00	956.00	956.00	956.00
71.500	956.00	956.00	956.00	956.00	956.00
71.750	956.00	956.00	956.00	956.00	956.00
72.000	956.00	956.00	956.00	956.00	956.00
72.250	956.00	956.00	956.00	956.00	956.00
72.500	956.00	956.00	956.00	956.00	956.00
72.750	956.00	956.00	956.00	956.00	956.00
73.000	956.00	956.00	956.00	956.00	956.00
73.250	956.00	956.00	956.00	956.00	956.00
73.500	956.00	956.00	956.00	956.00	956.00
73.750	956.00	956.00	956.00	956.00	956.00
74.000	956.00	956.00	956.00	956.00	956.00
74.250	956.00	956.00	956.00	956.00	956.00
74.500	956.00	956.00	956.00	956.00	956.00
74.750	956.00	956.00	956.00	956.00	956.00
75.000	956.00	956.00	956.00	956.00	956.00
75.250	956.00	956.00	956.00	956.00	956.00
75.500	956.00	956.00	956.00	956.00	956.00
75.750	956.00	956.00	956.00	956.00	956.00
76.000	956.00	956.00	956.00	956.00	956.00
76.250	956.00	956.00	956.00	956.00	956.00
76.500	956.00	956.00	956.00	956.00	956.00
76.750	956.00	956.00	956.00	956.00	956.00
77.000	956.00	956.00	956.00	956.00	956.00
77.250	956.00	956.00	956.00	956.00	956.00
77.500	956.00	956.00	956.00	956.00	956.00
77.750	956.00	956.00	956.00	956.00	956.00
78.000	956.00	956.00	956.00	956.00	956.00
78.250	956.00	956.00	956.00	956.00	956.00
78.500	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
78.750	956.00	956.00	956.00	956.00	956.00
79.000	956.00	956.00	956.00	956.00	956.00
79.250	956.00	956.00	956.00	956.00	956.00
79.500	956.00	956.00	956.00	956.00	956.00
79.750	956.00	956.00	956.00	956.00	956.00
80.000	956.00	956.00	956.00	956.00	956.00
80.250	956.00	956.00	956.00	956.00	956.00
80.500	956.00	956.00	956.00	956.00	956.00
80.750	956.00	956.00	956.00	956.00	956.00
81.000	956.00	956.00	956.00	956.00	956.00
81.250	956.00	956.00	956.00	956.00	956.00
81.500	956.00	956.00	956.00	956.00	956.00
81.750	956.00	956.00	956.00	956.00	956.00
82.000	956.00	956.00	956.00	956.00	956.00
82.250	956.00	956.00	956.00	956.00	956.00
82.500	956.00	956.00	956.00	956.00	956.00
82.750	956.00	956.00	956.00	956.00	956.00
83.000	956.00	956.00	956.00	956.00	956.00
83.250	956.00	956.00	956.00	956.00	956.00
83.500	956.00	956.00	956.00	956.00	956.00
83.750	956.00	956.00	956.00	956.00	956.00
84.000	956.00	956.00	956.00	956.00	956.00
84.250	956.00	956.00	956.00	956.00	956.00
84.500	956.00	956.00	956.00	956.00	956.00
84.750	956.00	956.00	956.00	956.00	956.00
85.000	956.00	956.00	956.00	956.00	956.00
85.250	956.00	956.00	956.00	956.00	956.00
85.500	956.00	956.00	956.00	956.00	956.00
85.750	956.00	956.00	956.00	956.00	956.00
86.000	956.00	956.00	956.00	956.00	956.00
86.250	956.00	956.00	956.00	956.00	956.00
86.500	956.00	956.00	956.00	956.00	956.00
86.750	956.00	956.00	956.00	956.00	956.00
87.000	956.00	956.00	956.00	956.00	956.00
87.250	956.00	956.00	956.00	956.00	956.00
87.500	956.00	956.00	956.00	956.00	956.00
87.750	956.00	956.00	956.00	956.00	956.00
88.000	956.00	956.00	956.00	956.00	956.00
88.250	956.00	956.00	956.00	956.00	956.00
88.500	956.00	956.00	956.00	956.00	956.00
88.750	956.00	956.00	956.00	956.00	956.00
89.000	956.00	956.00	956.00	956.00	956.00
89.250	956.00	956.00	956.00	956.00	956.00
89.500	956.00	956.00	956.00	956.00	956.00
89.750	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 5 years

Label: WetlandPool (OUT)

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
90.000	956.00	956.00	956.00	956.00	956.00
90.250	956.00	956.00	956.00	956.00	956.00
90.500	956.00	956.00	956.00	956.00	956.00
90.750	956.00	956.00	956.00	956.00	956.00
91.000	956.00	956.00	956.00	956.00	956.00
91.250	956.00	956.00	956.00	956.00	956.00
91.500	956.00	956.00	956.00	956.00	956.00
91.750	956.00	956.00	956.00	956.00	956.00
92.000	956.00	956.00	956.00	956.00	956.00
92.250	956.00	956.00	956.00	956.00	956.00
92.500	956.00	956.00	956.00	956.00	956.00
92.750	956.00	956.00	956.00	956.00	956.00
93.000	956.00	956.00	956.00	956.00	956.00
93.250	956.00	956.00	956.00	956.00	956.00
93.500	956.00	956.00	956.00	956.00	956.00
93.750	956.00	956.00	956.00	956.00	956.00
94.000	956.00	956.00	956.00	956.00	956.00
94.250	956.00	956.00	956.00	956.00	956.00
94.500	956.00	956.00	956.00	956.00	956.00
94.750	956.00	956.00	956.00	956.00	956.00
95.000	956.00	956.00	956.00	956.00	956.00
95.250	956.00	956.00	956.00	956.00	956.00
95.500	956.00	956.00	956.00	956.00	956.00
95.750	956.00	956.00	956.00	956.00	956.00
96.000	956.00	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	956.00	956.00	956.00	956.01	956.01
0.250	956.01	956.01	956.01	956.01	956.02
0.500	956.02	956.02	956.02	956.02	956.02
0.750	956.02	956.03	956.03	956.03	956.03
1.000	956.03	956.03	956.03	956.03	956.04
1.250	956.04	956.04	956.04	956.04	956.04
1.500	956.04	956.04	956.04	956.04	956.05
1.750	956.05	956.05	956.05	956.05	956.05
2.000	956.05	956.05	956.05	956.05	956.05
2.250	956.06	956.06	956.06	956.06	956.06
2.500	956.06	956.06	956.06	956.06	956.06
2.750	956.06	956.06	956.06	956.06	956.06
3.000	956.07	956.07	956.07	956.07	956.07
3.250	956.07	956.07	956.07	956.07	956.07
3.500	956.07	956.07	956.07	956.07	956.07
3.750	956.07	956.07	956.07	956.07	956.07
4.000	956.07	956.08	956.08	956.08	956.08
4.250	956.08	956.08	956.08	956.08	956.08
4.500	956.08	956.08	956.08	956.08	956.08
4.750	956.08	956.08	956.08	956.08	956.08
5.000	956.08	956.08	956.08	956.08	956.08
5.250	956.08	956.08	956.08	956.08	956.08
5.500	956.08	956.08	956.08	956.08	956.08
5.750	956.09	956.09	956.09	956.09	956.09
6.000	956.09	956.09	956.09	956.09	956.09
6.250	956.09	956.09	956.09	956.09	956.09
6.500	956.09	956.09	956.09	956.09	956.09
6.750	956.09	956.09	956.09	956.09	956.09
7.000	956.09	956.09	956.09	956.09	956.09
7.250	956.09	956.09	956.09	956.09	956.09
7.500	956.09	956.09	956.09	956.09	956.09
7.750	956.09	956.09	956.09	956.09	956.09
8.000	956.09	956.09	956.09	956.09	956.09
8.250	956.10	956.10	956.10	956.10	956.10
8.500	956.10	956.10	956.10	956.10	956.10
8.750	956.10	956.10	956.10	956.10	956.10
9.000	956.10	956.10	956.10	956.10	956.10
9.250	956.10	956.10	956.10	956.10	956.10
9.500	956.10	956.10	956.10	956.10	956.11
9.750	956.11	956.11	956.11	956.11	956.11
10.000	956.11	956.11	956.11	956.11	956.11
10.250	956.11	956.11	956.11	956.11	956.12
10.500	956.12	956.12	956.12	956.12	956.12
10.750	956.12	956.12	956.12	956.12	956.12
11.000	956.13	956.13	956.13	956.13	956.13

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 25 years

Label: WetlandPool (OUT)

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	956.14	956.14	956.14	956.14	956.14
11.500	956.15	956.15	956.15	956.16	956.16
11.750	956.16	956.17	956.17	956.18	956.19
12.000	956.20	956.21	956.23	956.25	956.27
12.250	956.30	956.33	956.36	956.39	956.42
12.500	956.44	956.45	956.47	956.48	956.49
12.750	956.49	956.50	956.50	956.50	956.50
13.000	956.50	956.50	956.50	956.49	956.49
13.250	956.49	956.49	956.49	956.48	956.48
13.500	956.48	956.47	956.47	956.47	956.46
13.750	956.46	956.46	956.45	956.45	956.44
14.000	956.44	956.44	956.43	956.43	956.42
14.250	956.42	956.42	956.41	956.41	956.41
14.500	956.40	956.40	956.40	956.40	956.39
14.750	956.39	956.39	956.38	956.38	956.38
15.000	956.37	956.37	956.37	956.36	956.36
15.250	956.36	956.35	956.35	956.35	956.34
15.500	956.34	956.34	956.34	956.33	956.33
15.750	956.33	956.32	956.32	956.32	956.31
16.000	956.31	956.31	956.31	956.30	956.30
16.250	956.30	956.30	956.29	956.29	956.29
16.500	956.29	956.28	956.28	956.28	956.28
16.750	956.27	956.27	956.27	956.27	956.27
17.000	956.26	956.26	956.26	956.26	956.26
17.250	956.25	956.25	956.25	956.25	956.25
17.500	956.25	956.24	956.24	956.24	956.24
17.750	956.24	956.24	956.23	956.23	956.23
18.000	956.23	956.23	956.23	956.22	956.22
18.250	956.22	956.22	956.22	956.22	956.22
18.500	956.22	956.21	956.21	956.21	956.21
18.750	956.21	956.21	956.21	956.21	956.20
19.000	956.20	956.20	956.20	956.20	956.20
19.250	956.20	956.20	956.20	956.19	956.19
19.500	956.19	956.19	956.19	956.19	956.19
19.750	956.19	956.19	956.19	956.19	956.18
20.000	956.18	956.18	956.18	956.18	956.18
20.250	956.18	956.18	956.18	956.18	956.18
20.500	956.18	956.17	956.17	956.17	956.17
20.750	956.17	956.17	956.17	956.17	956.17
21.000	956.17	956.17	956.17	956.17	956.17
21.250	956.16	956.16	956.16	956.16	956.16
21.500	956.16	956.16	956.16	956.16	956.16
21.750	956.16	956.16	956.16	956.16	956.16
22.000	956.16	956.15	956.15	956.15	956.15
22.250	956.15	956.15	956.15	956.15	956.15

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	956.15	956.15	956.15	956.15	956.15
22.750	956.15	956.15	956.15	956.15	956.14
23.000	956.14	956.14	956.14	956.14	956.14
23.250	956.14	956.14	956.14	956.14	956.14
23.500	956.14	956.14	956.14	956.14	956.14
23.750	956.14	956.14	956.14	956.14	956.14
24.000	956.13	956.13	956.13	956.13	956.13
24.250	956.13	956.13	956.13	956.13	956.13
24.500	956.13	956.13	956.13	956.13	956.13
24.750	956.13	956.13	956.13	956.13	956.12
25.000	956.12	956.12	956.12	956.12	956.12
25.250	956.12	956.12	956.12	956.12	956.12
25.500	956.12	956.12	956.12	956.12	956.12
25.750	956.12	956.12	956.12	956.12	956.12
26.000	956.12	956.11	956.11	956.11	956.11
26.250	956.11	956.11	956.11	956.11	956.11
26.500	956.11	956.11	956.11	956.11	956.11
26.750	956.11	956.11	956.11	956.11	956.11
27.000	956.11	956.11	956.11	956.11	956.11
27.250	956.11	956.11	956.11	956.11	956.11
27.500	956.11	956.11	956.11	956.11	956.11
27.750	956.11	956.11	956.11	956.11	956.11
28.000	956.10	956.10	956.10	956.10	956.10
28.250	956.10	956.10	956.10	956.10	956.10
28.500	956.10	956.10	956.10	956.10	956.10
28.750	956.10	956.10	956.10	956.10	956.10
29.000	956.10	956.10	956.10	956.10	956.10
29.250	956.10	956.10	956.10	956.10	956.10
29.500	956.10	956.10	956.10	956.10	956.10
29.750	956.10	956.10	956.10	956.10	956.10
30.000	956.10	956.10	956.10	956.10	956.10
30.250	956.10	956.10	956.10	956.10	956.10
30.500	956.10	956.10	956.10	956.10	956.10
30.750	956.10	956.10	956.10	956.10	956.10
31.000	956.10	956.10	956.10	956.10	956.10
31.250	956.10	956.10	956.10	956.10	956.10
31.500	956.10	956.10	956.10	956.10	956.10
31.750	956.10	956.10	956.10	956.10	956.10
32.000	956.10	956.10	956.10	956.10	956.10
32.250	956.10	956.10	956.10	956.10	956.10
32.500	956.10	956.10	956.10	956.10	956.10
32.750	956.10	956.10	956.10	956.10	956.10
33.000	956.10	956.10	956.10	956.10	956.10
33.250	956.10	956.10	956.10	956.10	956.10
33.500	956.10	956.10	956.10	956.10	956.10

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
33.750	956.10	956.10	956.10	956.10	956.10
34.000	956.10	956.10	956.10	956.10	956.10
34.250	956.10	956.10	956.10	956.10	956.10
34.500	956.10	956.10	956.10	956.10	956.10
34.750	956.10	956.10	956.10	956.10	956.10
35.000	956.10	956.10	956.10	956.10	956.10
35.250	956.10	956.10	956.10	956.10	956.10
35.500	956.10	956.10	956.10	956.10	956.10
35.750	956.10	956.10	956.10	956.10	956.10
36.000	956.10	956.10	956.10	956.10	956.10
36.250	956.10	956.10	956.10	956.10	956.10
36.500	956.10	956.10	956.10	956.10	956.10
36.750	956.10	956.10	956.10	956.10	956.10
37.000	956.10	956.10	956.10	956.10	956.10
37.250	956.10	956.10	956.10	956.10	956.10
37.500	956.10	956.10	956.10	956.10	956.10
37.750	956.10	956.10	956.10	956.10	956.10
38.000	956.10	956.10	956.10	956.10	956.10
38.250	956.10	956.10	956.10	956.10	956.10
38.500	956.10	956.10	956.10	956.10	956.10
38.750	956.10	956.10	956.10	956.10	956.10
39.000	956.10	956.10	956.10	956.10	956.10
39.250	956.10	956.10	956.10	956.10	956.10
39.500	956.10	956.10	956.10	956.10	956.10
39.750	956.10	956.10	956.10	956.10	956.10
40.000	956.10	956.10	956.10	956.10	956.10
40.250	956.10	956.10	956.10	956.10	956.10
40.500	956.10	956.10	956.10	956.10	956.10
40.750	956.10	956.10	956.10	956.10	956.10
41.000	956.10	956.10	956.10	956.10	956.10
41.250	956.10	956.10	956.10	956.10	956.10
41.500	956.10	956.10	956.10	956.10	956.10
41.750	956.10	956.10	956.10	956.10	956.10
42.000	956.10	956.10	956.10	956.10	956.10
42.250	956.10	956.10	956.10	956.10	956.10
42.500	956.10	956.10	956.10	956.10	956.10
42.750	956.10	956.10	956.10	956.10	956.10
43.000	956.10	956.10	956.10	956.10	956.10
43.250	956.10	956.10	956.10	956.10	956.10
43.500	956.10	956.10	956.10	956.10	956.10
43.750	956.10	956.10	956.10	956.10	956.10
44.000	956.10	956.10	956.10	956.10	956.10
44.250	956.10	956.10	956.10	956.10	956.10
44.500	956.10	956.10	956.10	956.10	956.10
44.750	956.10	956.10	956.10	956.10	956.10

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
45.000	956.10	956.10	956.10	956.10	956.10
45.250	956.10	956.10	956.10	956.10	956.10
45.500	956.10	956.10	956.10	956.10	956.10
45.750	956.10	956.10	956.10	956.10	956.10
46.000	956.10	956.10	956.10	956.10	956.10
46.250	956.10	956.10	956.10	956.10	956.10
46.500	956.10	956.10	956.10	956.10	956.10
46.750	956.10	956.10	956.10	956.10	956.10
47.000	956.10	956.10	956.10	956.10	956.10
47.250	956.10	956.10	956.10	956.10	956.10
47.500	956.10	956.10	956.10	956.10	956.10
47.750	956.10	956.10	956.10	956.10	956.10
48.000	956.10	956.10	956.09	956.09	956.09
48.250	956.09	956.09	956.08	956.08	956.08
48.500	956.08	956.08	956.08	956.08	956.07
48.750	956.07	956.07	956.07	956.07	956.07
49.000	956.07	956.07	956.06	956.06	956.06
49.250	956.06	956.06	956.06	956.06	956.06
49.500	956.05	956.05	956.05	956.05	956.05
49.750	956.05	956.05	956.05	956.05	956.05
50.000	956.05	956.04	956.04	956.04	956.04
50.250	956.04	956.04	956.04	956.04	956.04
50.500	956.04	956.04	956.04	956.04	956.03
50.750	956.03	956.03	956.03	956.03	956.03
51.000	956.03	956.03	956.03	956.03	956.03
51.250	956.03	956.03	956.03	956.03	956.03
51.500	956.03	956.03	956.02	956.02	956.02
51.750	956.02	956.02	956.02	956.02	956.02
52.000	956.02	956.02	956.02	956.02	956.02
52.250	956.02	956.02	956.02	956.02	956.02
52.500	956.02	956.02	956.02	956.02	956.02
52.750	956.02	956.02	956.02	956.02	956.01
53.000	956.01	956.01	956.01	956.01	956.01
53.250	956.01	956.01	956.01	956.01	956.01
53.500	956.01	956.01	956.01	956.01	956.01
53.750	956.01	956.01	956.01	956.01	956.01
54.000	956.01	956.01	956.01	956.01	956.01
54.250	956.01	956.01	956.01	956.01	956.01
54.500	956.01	956.01	956.01	956.01	956.01
54.750	956.01	956.01	956.01	956.01	956.01
55.000	956.01	956.01	956.01	956.01	956.01
55.250	956.01	956.01	956.01	956.01	956.01
55.500	956.01	956.01	956.01	956.01	956.01
55.750	956.01	956.01	956.00	956.00	956.00
56.000	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
56.250	956.00	956.00	956.00	956.00	956.00
56.500	956.00	956.00	956.00	956.00	956.00
56.750	956.00	956.00	956.00	956.00	956.00
57.000	956.00	956.00	956.00	956.00	956.00
57.250	956.00	956.00	956.00	956.00	956.00
57.500	956.00	956.00	956.00	956.00	956.00
57.750	956.00	956.00	956.00	956.00	956.00
58.000	956.00	956.00	956.00	956.00	956.00
58.250	956.00	956.00	956.00	956.00	956.00
58.500	956.00	956.00	956.00	956.00	956.00
58.750	956.00	956.00	956.00	956.00	956.00
59.000	956.00	956.00	956.00	956.00	956.00
59.250	956.00	956.00	956.00	956.00	956.00
59.500	956.00	956.00	956.00	956.00	956.00
59.750	956.00	956.00	956.00	956.00	956.00
60.000	956.00	956.00	956.00	956.00	956.00
60.250	956.00	956.00	956.00	956.00	956.00
60.500	956.00	956.00	956.00	956.00	956.00
60.750	956.00	956.00	956.00	956.00	956.00
61.000	956.00	956.00	956.00	956.00	956.00
61.250	956.00	956.00	956.00	956.00	956.00
61.500	956.00	956.00	956.00	956.00	956.00
61.750	956.00	956.00	956.00	956.00	956.00
62.000	956.00	956.00	956.00	956.00	956.00
62.250	956.00	956.00	956.00	956.00	956.00
62.500	956.00	956.00	956.00	956.00	956.00
62.750	956.00	956.00	956.00	956.00	956.00
63.000	956.00	956.00	956.00	956.00	956.00
63.250	956.00	956.00	956.00	956.00	956.00
63.500	956.00	956.00	956.00	956.00	956.00
63.750	956.00	956.00	956.00	956.00	956.00
64.000	956.00	956.00	956.00	956.00	956.00
64.250	956.00	956.00	956.00	956.00	956.00
64.500	956.00	956.00	956.00	956.00	956.00
64.750	956.00	956.00	956.00	956.00	956.00
65.000	956.00	956.00	956.00	956.00	956.00
65.250	956.00	956.00	956.00	956.00	956.00
65.500	956.00	956.00	956.00	956.00	956.00
65.750	956.00	956.00	956.00	956.00	956.00
66.000	956.00	956.00	956.00	956.00	956.00
66.250	956.00	956.00	956.00	956.00	956.00
66.500	956.00	956.00	956.00	956.00	956.00
66.750	956.00	956.00	956.00	956.00	956.00
67.000	956.00	956.00	956.00	956.00	956.00
67.250	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
67.500	956.00	956.00	956.00	956.00	956.00
67.750	956.00	956.00	956.00	956.00	956.00
68.000	956.00	956.00	956.00	956.00	956.00
68.250	956.00	956.00	956.00	956.00	956.00
68.500	956.00	956.00	956.00	956.00	956.00
68.750	956.00	956.00	956.00	956.00	956.00
69.000	956.00	956.00	956.00	956.00	956.00
69.250	956.00	956.00	956.00	956.00	956.00
69.500	956.00	956.00	956.00	956.00	956.00
69.750	956.00	956.00	956.00	956.00	956.00
70.000	956.00	956.00	956.00	956.00	956.00
70.250	956.00	956.00	956.00	956.00	956.00
70.500	956.00	956.00	956.00	956.00	956.00
70.750	956.00	956.00	956.00	956.00	956.00
71.000	956.00	956.00	956.00	956.00	956.00
71.250	956.00	956.00	956.00	956.00	956.00
71.500	956.00	956.00	956.00	956.00	956.00
71.750	956.00	956.00	956.00	956.00	956.00
72.000	956.00	956.00	956.00	956.00	956.00
72.250	956.00	956.00	956.00	956.00	956.00
72.500	956.00	956.00	956.00	956.00	956.00
72.750	956.00	956.00	956.00	956.00	956.00
73.000	956.00	956.00	956.00	956.00	956.00
73.250	956.00	956.00	956.00	956.00	956.00
73.500	956.00	956.00	956.00	956.00	956.00
73.750	956.00	956.00	956.00	956.00	956.00
74.000	956.00	956.00	956.00	956.00	956.00
74.250	956.00	956.00	956.00	956.00	956.00
74.500	956.00	956.00	956.00	956.00	956.00
74.750	956.00	956.00	956.00	956.00	956.00
75.000	956.00	956.00	956.00	956.00	956.00
75.250	956.00	956.00	956.00	956.00	956.00
75.500	956.00	956.00	956.00	956.00	956.00
75.750	956.00	956.00	956.00	956.00	956.00
76.000	956.00	956.00	956.00	956.00	956.00
76.250	956.00	956.00	956.00	956.00	956.00
76.500	956.00	956.00	956.00	956.00	956.00
76.750	956.00	956.00	956.00	956.00	956.00
77.000	956.00	956.00	956.00	956.00	956.00
77.250	956.00	956.00	956.00	956.00	956.00
77.500	956.00	956.00	956.00	956.00	956.00
77.750	956.00	956.00	956.00	956.00	956.00
78.000	956.00	956.00	956.00	956.00	956.00
78.250	956.00	956.00	956.00	956.00	956.00
78.500	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
78.750	956.00	956.00	956.00	956.00	956.00
79.000	956.00	956.00	956.00	956.00	956.00
79.250	956.00	956.00	956.00	956.00	956.00
79.500	956.00	956.00	956.00	956.00	956.00
79.750	956.00	956.00	956.00	956.00	956.00
80.000	956.00	956.00	956.00	956.00	956.00
80.250	956.00	956.00	956.00	956.00	956.00
80.500	956.00	956.00	956.00	956.00	956.00
80.750	956.00	956.00	956.00	956.00	956.00
81.000	956.00	956.00	956.00	956.00	956.00
81.250	956.00	956.00	956.00	956.00	956.00
81.500	956.00	956.00	956.00	956.00	956.00
81.750	956.00	956.00	956.00	956.00	956.00
82.000	956.00	956.00	956.00	956.00	956.00
82.250	956.00	956.00	956.00	956.00	956.00
82.500	956.00	956.00	956.00	956.00	956.00
82.750	956.00	956.00	956.00	956.00	956.00
83.000	956.00	956.00	956.00	956.00	956.00
83.250	956.00	956.00	956.00	956.00	956.00
83.500	956.00	956.00	956.00	956.00	956.00
83.750	956.00	956.00	956.00	956.00	956.00
84.000	956.00	956.00	956.00	956.00	956.00
84.250	956.00	956.00	956.00	956.00	956.00
84.500	956.00	956.00	956.00	956.00	956.00
84.750	956.00	956.00	956.00	956.00	956.00
85.000	956.00	956.00	956.00	956.00	956.00
85.250	956.00	956.00	956.00	956.00	956.00
85.500	956.00	956.00	956.00	956.00	956.00
85.750	956.00	956.00	956.00	956.00	956.00
86.000	956.00	956.00	956.00	956.00	956.00
86.250	956.00	956.00	956.00	956.00	956.00
86.500	956.00	956.00	956.00	956.00	956.00
86.750	956.00	956.00	956.00	956.00	956.00
87.000	956.00	956.00	956.00	956.00	956.00
87.250	956.00	956.00	956.00	956.00	956.00
87.500	956.00	956.00	956.00	956.00	956.00
87.750	956.00	956.00	956.00	956.00	956.00
88.000	956.00	956.00	956.00	956.00	956.00
88.250	956.00	956.00	956.00	956.00	956.00
88.500	956.00	956.00	956.00	956.00	956.00
88.750	956.00	956.00	956.00	956.00	956.00
89.000	956.00	956.00	956.00	956.00	956.00
89.250	956.00	956.00	956.00	956.00	956.00
89.500	956.00	956.00	956.00	956.00	956.00
89.750	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 25 year

Return Event: 25 years
 Storm Event: 25 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
90.000	956.00	956.00	956.00	956.00	956.00
90.250	956.00	956.00	956.00	956.00	956.00
90.500	956.00	956.00	956.00	956.00	956.00
90.750	956.00	956.00	956.00	956.00	956.00
91.000	956.00	956.00	956.00	956.00	956.00
91.250	956.00	956.00	956.00	956.00	956.00
91.500	956.00	956.00	956.00	956.00	956.00
91.750	956.00	956.00	956.00	956.00	956.00
92.000	956.00	956.00	956.00	956.00	956.00
92.250	956.00	956.00	956.00	956.00	956.00
92.500	956.00	956.00	956.00	956.00	956.00
92.750	956.00	956.00	956.00	956.00	956.00
93.000	956.00	956.00	956.00	956.00	956.00
93.250	956.00	956.00	956.00	956.00	956.00
93.500	956.00	956.00	956.00	956.00	956.00
93.750	956.00	956.00	956.00	956.00	956.00
94.000	956.00	956.00	956.00	956.00	956.00
94.250	956.00	956.00	956.00	956.00	956.00
94.500	956.00	956.00	956.00	956.00	956.00
94.750	956.00	956.00	956.00	956.00	956.00
95.000	956.00	956.00	956.00	956.00	956.00
95.250	956.00	956.00	956.00	956.00	956.00
95.500	956.00	956.00	956.00	956.00	956.00
95.750	956.00	956.00	956.00	956.00	956.00
96.000	956.00	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
0.000	956.00	956.00	956.00	956.01	956.01
0.250	956.01	956.01	956.01	956.01	956.02
0.500	956.02	956.02	956.02	956.02	956.02
0.750	956.02	956.03	956.03	956.03	956.03
1.000	956.03	956.03	956.03	956.03	956.04
1.250	956.04	956.04	956.04	956.04	956.04
1.500	956.04	956.04	956.04	956.04	956.05
1.750	956.05	956.05	956.05	956.05	956.05
2.000	956.05	956.05	956.05	956.05	956.05
2.250	956.06	956.06	956.06	956.06	956.06
2.500	956.06	956.06	956.06	956.06	956.06
2.750	956.06	956.06	956.06	956.06	956.06
3.000	956.07	956.07	956.07	956.07	956.07
3.250	956.07	956.07	956.07	956.07	956.07
3.500	956.07	956.07	956.07	956.07	956.07
3.750	956.07	956.07	956.07	956.07	956.07
4.000	956.07	956.08	956.08	956.08	956.08
4.250	956.08	956.08	956.08	956.08	956.08
4.500	956.08	956.08	956.08	956.08	956.08
4.750	956.08	956.08	956.08	956.08	956.08
5.000	956.08	956.08	956.08	956.08	956.08
5.250	956.08	956.08	956.08	956.08	956.08
5.500	956.08	956.08	956.08	956.08	956.09
5.750	956.09	956.09	956.09	956.09	956.09
6.000	956.09	956.09	956.09	956.09	956.09
6.250	956.09	956.09	956.09	956.09	956.09
6.500	956.09	956.09	956.09	956.09	956.09
6.750	956.09	956.09	956.09	956.09	956.09
7.000	956.09	956.09	956.09	956.09	956.09
7.250	956.09	956.10	956.10	956.10	956.10
7.500	956.10	956.10	956.10	956.10	956.10
7.750	956.10	956.10	956.10	956.10	956.10
8.000	956.10	956.10	956.10	956.10	956.10
8.250	956.10	956.10	956.10	956.10	956.10
8.500	956.10	956.11	956.11	956.11	956.11
8.750	956.11	956.11	956.11	956.11	956.11
9.000	956.11	956.11	956.11	956.11	956.11
9.250	956.11	956.11	956.11	956.11	956.12
9.500	956.12	956.12	956.12	956.12	956.12
9.750	956.12	956.12	956.12	956.12	956.13
10.000	956.13	956.13	956.13	956.13	956.13
10.250	956.13	956.13	956.13	956.13	956.14
10.500	956.14	956.14	956.14	956.14	956.14
10.750	956.14	956.15	956.15	956.15	956.15
11.000	956.15	956.16	956.16	956.16	956.16

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
11.250	956.17	956.17	956.17	956.18	956.18
11.500	956.19	956.19	956.20	956.20	956.21
11.750	956.21	956.22	956.23	956.24	956.25
12.000	956.26	956.28	956.31	956.33	956.37
12.250	956.41	956.45	956.49	956.52	956.55
12.500	956.58	956.60	956.62	956.63	956.64
12.750	956.65	956.65	956.65	956.65	956.65
13.000	956.65	956.65	956.64	956.64	956.63
13.250	956.63	956.62	956.62	956.61	956.61
13.500	956.60	956.60	956.59	956.59	956.58
13.750	956.57	956.57	956.56	956.55	956.55
14.000	956.54	956.54	956.53	956.52	956.52
14.250	956.51	956.51	956.50	956.50	956.49
14.500	956.49	956.48	956.48	956.47	956.47
14.750	956.46	956.46	956.45	956.45	956.45
15.000	956.44	956.44	956.44	956.43	956.43
15.250	956.42	956.42	956.42	956.41	956.41
15.500	956.41	956.40	956.40	956.40	956.39
15.750	956.39	956.39	956.38	956.38	956.38
16.000	956.37	956.37	956.37	956.36	956.36
16.250	956.36	956.35	956.35	956.35	956.34
16.500	956.34	956.34	956.33	956.33	956.33
16.750	956.33	956.32	956.32	956.32	956.32
17.000	956.31	956.31	956.31	956.31	956.30
17.250	956.30	956.30	956.30	956.29	956.29
17.500	956.29	956.29	956.29	956.28	956.28
17.750	956.28	956.28	956.28	956.27	956.27
18.000	956.27	956.27	956.27	956.26	956.26
18.250	956.26	956.26	956.26	956.26	956.25
18.500	956.25	956.25	956.25	956.25	956.25
18.750	956.24	956.24	956.24	956.24	956.24
19.000	956.24	956.24	956.23	956.23	956.23
19.250	956.23	956.23	956.23	956.23	956.23
19.500	956.22	956.22	956.22	956.22	956.22
19.750	956.22	956.22	956.22	956.21	956.21
20.000	956.21	956.21	956.21	956.21	956.21
20.250	956.21	956.21	956.20	956.20	956.20
20.500	956.20	956.20	956.20	956.20	956.20
20.750	956.20	956.20	956.20	956.19	956.19
21.000	956.19	956.19	956.19	956.19	956.19
21.250	956.19	956.19	956.19	956.19	956.18
21.500	956.18	956.18	956.18	956.18	956.18
21.750	956.18	956.18	956.18	956.18	956.18
22.000	956.18	956.17	956.17	956.17	956.17
22.250	956.17	956.17	956.17	956.17	956.17

BRE911312B WETLAND

Subsection: Time vs. Elevation

Return Event: 100 years

Label: WetlandPool (OUT)

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
22.500	956.17	956.17	956.17	956.17	956.17
22.750	956.16	956.16	956.16	956.16	956.16
23.000	956.16	956.16	956.16	956.16	956.16
23.250	956.16	956.16	956.16	956.16	956.16
23.500	956.15	956.15	956.15	956.15	956.15
23.750	956.15	956.15	956.15	956.15	956.15
24.000	956.15	956.15	956.15	956.15	956.15
24.250	956.15	956.14	956.14	956.14	956.14
24.500	956.14	956.14	956.14	956.14	956.14
24.750	956.14	956.14	956.14	956.14	956.13
25.000	956.13	956.13	956.13	956.13	956.13
25.250	956.13	956.13	956.13	956.13	956.13
25.500	956.13	956.13	956.13	956.13	956.13
25.750	956.12	956.12	956.12	956.12	956.12
26.000	956.12	956.12	956.12	956.12	956.12
26.250	956.12	956.12	956.12	956.12	956.12
26.500	956.12	956.12	956.12	956.12	956.12
26.750	956.12	956.12	956.11	956.11	956.11
27.000	956.11	956.11	956.11	956.11	956.11
27.250	956.11	956.11	956.11	956.11	956.11
27.500	956.11	956.11	956.11	956.11	956.11
27.750	956.11	956.11	956.11	956.11	956.11
28.000	956.11	956.11	956.11	956.11	956.11
28.250	956.11	956.11	956.11	956.11	956.11
28.500	956.11	956.11	956.11	956.11	956.11
28.750	956.11	956.11	956.10	956.10	956.10
29.000	956.10	956.10	956.10	956.10	956.10
29.250	956.10	956.10	956.10	956.10	956.10
29.500	956.10	956.10	956.10	956.10	956.10
29.750	956.10	956.10	956.10	956.10	956.10
30.000	956.10	956.10	956.10	956.10	956.10
30.250	956.10	956.10	956.10	956.10	956.10
30.500	956.10	956.10	956.10	956.10	956.10
30.750	956.10	956.10	956.10	956.10	956.10
31.000	956.10	956.10	956.10	956.10	956.10
31.250	956.10	956.10	956.10	956.10	956.10
31.500	956.10	956.10	956.10	956.10	956.10
31.750	956.10	956.10	956.10	956.10	956.10
32.000	956.10	956.10	956.10	956.10	956.10
32.250	956.10	956.10	956.10	956.10	956.10
32.500	956.10	956.10	956.10	956.10	956.10
32.750	956.10	956.10	956.10	956.10	956.10
33.000	956.10	956.10	956.10	956.10	956.10
33.250	956.10	956.10	956.10	956.10	956.10
33.500	956.10	956.10	956.10	956.10	956.10

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
33.750	956.10	956.10	956.10	956.10	956.10
34.000	956.10	956.10	956.10	956.10	956.10
34.250	956.10	956.10	956.10	956.10	956.10
34.500	956.10	956.10	956.10	956.10	956.10
34.750	956.10	956.10	956.10	956.10	956.10
35.000	956.10	956.10	956.10	956.10	956.10
35.250	956.10	956.10	956.10	956.10	956.10
35.500	956.10	956.10	956.10	956.10	956.10
35.750	956.10	956.10	956.10	956.10	956.10
36.000	956.10	956.10	956.10	956.10	956.10
36.250	956.10	956.10	956.10	956.10	956.10
36.500	956.10	956.10	956.10	956.10	956.10
36.750	956.10	956.10	956.10	956.10	956.10
37.000	956.10	956.10	956.10	956.10	956.10
37.250	956.10	956.10	956.10	956.10	956.10
37.500	956.10	956.10	956.10	956.10	956.10
37.750	956.10	956.10	956.10	956.10	956.10
38.000	956.10	956.10	956.10	956.10	956.10
38.250	956.10	956.10	956.10	956.10	956.10
38.500	956.10	956.10	956.10	956.10	956.10
38.750	956.10	956.10	956.10	956.10	956.10
39.000	956.10	956.10	956.10	956.10	956.10
39.250	956.10	956.10	956.10	956.10	956.10
39.500	956.10	956.10	956.10	956.10	956.10
39.750	956.10	956.10	956.10	956.10	956.10
40.000	956.10	956.10	956.10	956.10	956.10
40.250	956.10	956.10	956.10	956.10	956.10
40.500	956.10	956.10	956.10	956.10	956.10
40.750	956.10	956.10	956.10	956.10	956.10
41.000	956.10	956.10	956.10	956.10	956.10
41.250	956.10	956.10	956.10	956.10	956.10
41.500	956.10	956.10	956.10	956.10	956.10
41.750	956.10	956.10	956.10	956.10	956.10
42.000	956.10	956.10	956.10	956.10	956.10
42.250	956.10	956.10	956.10	956.10	956.10
42.500	956.10	956.10	956.10	956.10	956.10
42.750	956.10	956.10	956.10	956.10	956.10
43.000	956.10	956.10	956.10	956.10	956.10
43.250	956.10	956.10	956.10	956.10	956.10
43.500	956.10	956.10	956.10	956.10	956.10
43.750	956.10	956.10	956.10	956.10	956.10
44.000	956.10	956.10	956.10	956.10	956.10
44.250	956.10	956.10	956.10	956.10	956.10
44.500	956.10	956.10	956.10	956.10	956.10
44.750	956.10	956.10	956.10	956.10	956.10

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
45.000	956.10	956.10	956.10	956.10	956.10
45.250	956.10	956.10	956.10	956.10	956.10
45.500	956.10	956.10	956.10	956.10	956.10
45.750	956.10	956.10	956.10	956.10	956.10
46.000	956.10	956.10	956.10	956.10	956.10
46.250	956.10	956.10	956.10	956.10	956.10
46.500	956.10	956.10	956.10	956.10	956.10
46.750	956.10	956.10	956.10	956.10	956.10
47.000	956.10	956.10	956.10	956.10	956.10
47.250	956.10	956.10	956.10	956.10	956.10
47.500	956.10	956.10	956.10	956.10	956.10
47.750	956.10	956.10	956.10	956.10	956.10
48.000	956.10	956.10	956.09	956.09	956.09
48.250	956.09	956.09	956.08	956.08	956.08
48.500	956.08	956.08	956.08	956.08	956.07
48.750	956.07	956.07	956.07	956.07	956.07
49.000	956.07	956.07	956.06	956.06	956.06
49.250	956.06	956.06	956.06	956.06	956.06
49.500	956.05	956.05	956.05	956.05	956.05
49.750	956.05	956.05	956.05	956.05	956.05
50.000	956.05	956.04	956.04	956.04	956.04
50.250	956.04	956.04	956.04	956.04	956.04
50.500	956.04	956.04	956.04	956.04	956.03
50.750	956.03	956.03	956.03	956.03	956.03
51.000	956.03	956.03	956.03	956.03	956.03
51.250	956.03	956.03	956.03	956.03	956.03
51.500	956.03	956.03	956.02	956.02	956.02
51.750	956.02	956.02	956.02	956.02	956.02
52.000	956.02	956.02	956.02	956.02	956.02
52.250	956.02	956.02	956.02	956.02	956.02
52.500	956.02	956.02	956.02	956.02	956.02
52.750	956.02	956.02	956.02	956.02	956.01
53.000	956.01	956.01	956.01	956.01	956.01
53.250	956.01	956.01	956.01	956.01	956.01
53.500	956.01	956.01	956.01	956.01	956.01
53.750	956.01	956.01	956.01	956.01	956.01
54.000	956.01	956.01	956.01	956.01	956.01
54.250	956.01	956.01	956.01	956.01	956.01
54.500	956.01	956.01	956.01	956.01	956.01
54.750	956.01	956.01	956.01	956.01	956.01
55.000	956.01	956.01	956.01	956.01	956.01
55.250	956.01	956.01	956.01	956.01	956.01
55.500	956.01	956.01	956.01	956.01	956.01
55.750	956.01	956.01	956.00	956.00	956.00
56.000	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
56.250	956.00	956.00	956.00	956.00	956.00
56.500	956.00	956.00	956.00	956.00	956.00
56.750	956.00	956.00	956.00	956.00	956.00
57.000	956.00	956.00	956.00	956.00	956.00
57.250	956.00	956.00	956.00	956.00	956.00
57.500	956.00	956.00	956.00	956.00	956.00
57.750	956.00	956.00	956.00	956.00	956.00
58.000	956.00	956.00	956.00	956.00	956.00
58.250	956.00	956.00	956.00	956.00	956.00
58.500	956.00	956.00	956.00	956.00	956.00
58.750	956.00	956.00	956.00	956.00	956.00
59.000	956.00	956.00	956.00	956.00	956.00
59.250	956.00	956.00	956.00	956.00	956.00
59.500	956.00	956.00	956.00	956.00	956.00
59.750	956.00	956.00	956.00	956.00	956.00
60.000	956.00	956.00	956.00	956.00	956.00
60.250	956.00	956.00	956.00	956.00	956.00
60.500	956.00	956.00	956.00	956.00	956.00
60.750	956.00	956.00	956.00	956.00	956.00
61.000	956.00	956.00	956.00	956.00	956.00
61.250	956.00	956.00	956.00	956.00	956.00
61.500	956.00	956.00	956.00	956.00	956.00
61.750	956.00	956.00	956.00	956.00	956.00
62.000	956.00	956.00	956.00	956.00	956.00
62.250	956.00	956.00	956.00	956.00	956.00
62.500	956.00	956.00	956.00	956.00	956.00
62.750	956.00	956.00	956.00	956.00	956.00
63.000	956.00	956.00	956.00	956.00	956.00
63.250	956.00	956.00	956.00	956.00	956.00
63.500	956.00	956.00	956.00	956.00	956.00
63.750	956.00	956.00	956.00	956.00	956.00
64.000	956.00	956.00	956.00	956.00	956.00
64.250	956.00	956.00	956.00	956.00	956.00
64.500	956.00	956.00	956.00	956.00	956.00
64.750	956.00	956.00	956.00	956.00	956.00
65.000	956.00	956.00	956.00	956.00	956.00
65.250	956.00	956.00	956.00	956.00	956.00
65.500	956.00	956.00	956.00	956.00	956.00
65.750	956.00	956.00	956.00	956.00	956.00
66.000	956.00	956.00	956.00	956.00	956.00
66.250	956.00	956.00	956.00	956.00	956.00
66.500	956.00	956.00	956.00	956.00	956.00
66.750	956.00	956.00	956.00	956.00	956.00
67.000	956.00	956.00	956.00	956.00	956.00
67.250	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
67.500	956.00	956.00	956.00	956.00	956.00
67.750	956.00	956.00	956.00	956.00	956.00
68.000	956.00	956.00	956.00	956.00	956.00
68.250	956.00	956.00	956.00	956.00	956.00
68.500	956.00	956.00	956.00	956.00	956.00
68.750	956.00	956.00	956.00	956.00	956.00
69.000	956.00	956.00	956.00	956.00	956.00
69.250	956.00	956.00	956.00	956.00	956.00
69.500	956.00	956.00	956.00	956.00	956.00
69.750	956.00	956.00	956.00	956.00	956.00
70.000	956.00	956.00	956.00	956.00	956.00
70.250	956.00	956.00	956.00	956.00	956.00
70.500	956.00	956.00	956.00	956.00	956.00
70.750	956.00	956.00	956.00	956.00	956.00
71.000	956.00	956.00	956.00	956.00	956.00
71.250	956.00	956.00	956.00	956.00	956.00
71.500	956.00	956.00	956.00	956.00	956.00
71.750	956.00	956.00	956.00	956.00	956.00
72.000	956.00	956.00	956.00	956.00	956.00
72.250	956.00	956.00	956.00	956.00	956.00
72.500	956.00	956.00	956.00	956.00	956.00
72.750	956.00	956.00	956.00	956.00	956.00
73.000	956.00	956.00	956.00	956.00	956.00
73.250	956.00	956.00	956.00	956.00	956.00
73.500	956.00	956.00	956.00	956.00	956.00
73.750	956.00	956.00	956.00	956.00	956.00
74.000	956.00	956.00	956.00	956.00	956.00
74.250	956.00	956.00	956.00	956.00	956.00
74.500	956.00	956.00	956.00	956.00	956.00
74.750	956.00	956.00	956.00	956.00	956.00
75.000	956.00	956.00	956.00	956.00	956.00
75.250	956.00	956.00	956.00	956.00	956.00
75.500	956.00	956.00	956.00	956.00	956.00
75.750	956.00	956.00	956.00	956.00	956.00
76.000	956.00	956.00	956.00	956.00	956.00
76.250	956.00	956.00	956.00	956.00	956.00
76.500	956.00	956.00	956.00	956.00	956.00
76.750	956.00	956.00	956.00	956.00	956.00
77.000	956.00	956.00	956.00	956.00	956.00
77.250	956.00	956.00	956.00	956.00	956.00
77.500	956.00	956.00	956.00	956.00	956.00
77.750	956.00	956.00	956.00	956.00	956.00
78.000	956.00	956.00	956.00	956.00	956.00
78.250	956.00	956.00	956.00	956.00	956.00
78.500	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
78.750	956.00	956.00	956.00	956.00	956.00
79.000	956.00	956.00	956.00	956.00	956.00
79.250	956.00	956.00	956.00	956.00	956.00
79.500	956.00	956.00	956.00	956.00	956.00
79.750	956.00	956.00	956.00	956.00	956.00
80.000	956.00	956.00	956.00	956.00	956.00
80.250	956.00	956.00	956.00	956.00	956.00
80.500	956.00	956.00	956.00	956.00	956.00
80.750	956.00	956.00	956.00	956.00	956.00
81.000	956.00	956.00	956.00	956.00	956.00
81.250	956.00	956.00	956.00	956.00	956.00
81.500	956.00	956.00	956.00	956.00	956.00
81.750	956.00	956.00	956.00	956.00	956.00
82.000	956.00	956.00	956.00	956.00	956.00
82.250	956.00	956.00	956.00	956.00	956.00
82.500	956.00	956.00	956.00	956.00	956.00
82.750	956.00	956.00	956.00	956.00	956.00
83.000	956.00	956.00	956.00	956.00	956.00
83.250	956.00	956.00	956.00	956.00	956.00
83.500	956.00	956.00	956.00	956.00	956.00
83.750	956.00	956.00	956.00	956.00	956.00
84.000	956.00	956.00	956.00	956.00	956.00
84.250	956.00	956.00	956.00	956.00	956.00
84.500	956.00	956.00	956.00	956.00	956.00
84.750	956.00	956.00	956.00	956.00	956.00
85.000	956.00	956.00	956.00	956.00	956.00
85.250	956.00	956.00	956.00	956.00	956.00
85.500	956.00	956.00	956.00	956.00	956.00
85.750	956.00	956.00	956.00	956.00	956.00
86.000	956.00	956.00	956.00	956.00	956.00
86.250	956.00	956.00	956.00	956.00	956.00
86.500	956.00	956.00	956.00	956.00	956.00
86.750	956.00	956.00	956.00	956.00	956.00
87.000	956.00	956.00	956.00	956.00	956.00
87.250	956.00	956.00	956.00	956.00	956.00
87.500	956.00	956.00	956.00	956.00	956.00
87.750	956.00	956.00	956.00	956.00	956.00
88.000	956.00	956.00	956.00	956.00	956.00
88.250	956.00	956.00	956.00	956.00	956.00
88.500	956.00	956.00	956.00	956.00	956.00
88.750	956.00	956.00	956.00	956.00	956.00
89.000	956.00	956.00	956.00	956.00	956.00
89.250	956.00	956.00	956.00	956.00	956.00
89.500	956.00	956.00	956.00	956.00	956.00
89.750	956.00	956.00	956.00	956.00	956.00

BRE911312B WETLAND

Subsection: Time vs. Elevation
 Label: WetlandPool (OUT)
 Scenario: Post-Development 100 year

Return Event: 100 years
 Storm Event: 100 year

Time vs. Elevation (ft)

Output Time increment = 0.050 hours
Time on left represents time for first value in each row.

Time (hours)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
90.000	956.00	956.00	956.00	956.00	956.00
90.250	956.00	956.00	956.00	956.00	956.00
90.500	956.00	956.00	956.00	956.00	956.00
90.750	956.00	956.00	956.00	956.00	956.00
91.000	956.00	956.00	956.00	956.00	956.00
91.250	956.00	956.00	956.00	956.00	956.00
91.500	956.00	956.00	956.00	956.00	956.00
91.750	956.00	956.00	956.00	956.00	956.00
92.000	956.00	956.00	956.00	956.00	956.00
92.250	956.00	956.00	956.00	956.00	956.00
92.500	956.00	956.00	956.00	956.00	956.00
92.750	956.00	956.00	956.00	956.00	956.00
93.000	956.00	956.00	956.00	956.00	956.00
93.250	956.00	956.00	956.00	956.00	956.00
93.500	956.00	956.00	956.00	956.00	956.00
93.750	956.00	956.00	956.00	956.00	956.00
94.000	956.00	956.00	956.00	956.00	956.00
94.250	956.00	956.00	956.00	956.00	956.00
94.500	956.00	956.00	956.00	956.00	956.00
94.750	956.00	956.00	956.00	956.00	956.00
95.000	956.00	956.00	956.00	956.00	956.00
95.250	956.00	956.00	956.00	956.00	956.00
95.500	956.00	956.00	956.00	956.00	956.00
95.750	956.00	956.00	956.00	956.00	956.00
96.000	956.00	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	11.772	11.786	11.801	11.814	11.828
0.250	11.841	11.855	11.867	11.880	11.892
0.500	11.905	11.917	11.928	11.940	11.951
0.750	11.962	11.973	11.984	11.995	12.005
1.000	12.015	12.025	12.035	12.044	12.054
1.250	12.063	12.072	12.081	12.090	12.098
1.500	12.107	12.115	12.123	12.131	12.139
1.750	12.147	12.154	12.162	12.169	12.176
2.000	12.183	12.190	12.197	12.203	12.210
2.250	12.216	12.223	12.229	12.235	12.241
2.500	12.246	12.252	12.258	12.263	12.269
2.750	12.274	12.279	12.284	12.289	12.294
3.000	12.299	12.304	12.308	12.313	12.317
3.250	12.322	12.326	12.330	12.334	12.339
3.500	12.343	12.346	12.350	12.354	12.358
3.750	12.361	12.365	12.369	12.372	12.375
4.000	12.379	12.382	12.385	12.388	12.391
4.250	12.394	12.397	12.400	12.403	12.406
4.500	12.409	12.411	12.414	12.417	12.419
4.750	12.422	12.424	12.426	12.429	12.431
5.000	12.433	12.436	12.438	12.440	12.442
5.250	12.444	12.446	12.448	12.450	12.452
5.500	12.454	12.456	12.458	12.459	12.461
5.750	12.463	12.464	12.466	12.468	12.469
6.000	12.471	12.472	12.474	12.475	12.477
6.250	12.478	12.480	12.481	12.482	12.484
6.500	12.485	12.486	12.487	12.489	12.490
6.750	12.491	12.492	12.493	12.494	12.496
7.000	12.497	12.498	12.499	12.500	12.501
7.250	12.502	12.503	12.504	12.504	12.505
7.500	12.506	12.507	12.508	12.509	12.510
7.750	12.510	12.511	12.512	12.513	12.514
8.000	12.514	12.515	12.516	12.517	12.517
8.250	12.518	12.519	12.520	12.521	12.521
8.500	12.522	12.523	12.524	12.525	12.526
8.750	12.527	12.528	12.529	12.530	12.531
9.000	12.532	12.533	12.534	12.535	12.536
9.250	12.537	12.539	12.540	12.541	12.543
9.500	12.545	12.547	12.548	12.550	12.552
9.750	12.554	12.556	12.558	12.561	12.563
10.000	12.565	12.567	12.570	12.572	12.575
10.250	12.577	12.580	12.583	12.585	12.588
10.500	12.591	12.594	12.597	12.600	12.604
10.750	12.607	12.611	12.616	12.620	12.626
11.000	12.632	12.638	12.645	12.652	12.660

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
11.250	12.669	12.678	12.688	12.698	12.709
11.500	12.721	12.733	12.746	12.761	12.777
11.750	12.795	12.815	12.840	12.869	12.905
12.000	12.950	13.007	13.082	13.180	13.303
12.250	13.449	13.611	13.778	13.938	14.086
12.500	14.216	14.327	14.418	14.494	14.554
12.750	14.602	14.639	14.666	14.686	14.700
13.000	14.708	14.713	14.715	14.713	14.710
13.250	14.704	14.696	14.687	14.677	14.665
13.500	14.653	14.638	14.623	14.607	14.590
13.750	14.571	14.551	14.531	14.510	14.488
14.000	14.466	14.444	14.422	14.400	14.378
14.250	14.356	14.334	14.313	14.292	14.271
14.500	14.251	14.231	14.211	14.191	14.172
14.750	14.153	14.134	14.116	14.098	14.080
15.000	14.063	14.045	14.028	14.011	13.994
15.250	13.977	13.959	13.942	13.924	13.906
15.500	13.889	13.871	13.853	13.836	13.819
15.750	13.802	13.785	13.769	13.753	13.737
16.000	13.721	13.706	13.691	13.676	13.661
16.250	13.647	13.632	13.618	13.605	13.591
16.500	13.578	13.565	13.552	13.540	13.527
16.750	13.515	13.503	13.491	13.480	13.468
17.000	13.457	13.446	13.435	13.425	13.414
17.250	13.404	13.394	13.384	13.374	13.364
17.500	13.355	13.345	13.336	13.327	13.318
17.750	13.309	13.301	13.292	13.284	13.276
18.000	13.267	13.259	13.251	13.244	13.236
18.250	13.228	13.221	13.214	13.206	13.199
18.500	13.192	13.185	13.178	13.172	13.165
18.750	13.159	13.152	13.146	13.139	13.133
19.000	13.127	13.121	13.115	13.109	13.103
19.250	13.098	13.092	13.087	13.081	13.076
19.500	13.070	13.065	13.060	13.055	13.050
19.750	13.045	13.040	13.035	13.030	13.025
20.000	13.020	13.016	13.011	13.007	13.002
20.250	12.998	12.993	12.989	12.985	12.980
20.500	12.976	12.972	12.968	12.964	12.960
20.750	12.956	12.952	12.948	12.944	12.940
21.000	12.936	12.933	12.929	12.925	12.922
21.250	12.918	12.914	12.911	12.907	12.904
21.500	12.900	12.897	12.894	12.890	12.887
21.750	12.884	12.880	12.877	12.874	12.871
22.000	12.868	12.865	12.861	12.858	12.855
22.250	12.852	12.849	12.846	12.843	12.840

BRE911312B WETLAND

Subsection: Time vs. Volume

Label: WetlandPool

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
22.500	12.838	12.835	12.832	12.829	12.826
22.750	12.823	12.820	12.818	12.815	12.812
23.000	12.809	12.807	12.804	12.801	12.799
23.250	12.796	12.793	12.791	12.788	12.786
23.500	12.783	12.781	12.778	12.776	12.773
23.750	12.771	12.768	12.766	12.763	12.761
24.000	12.758	12.756	12.753	12.751	12.748
24.250	12.746	12.743	12.740	12.737	12.734
24.500	12.731	12.728	12.725	12.721	12.718
24.750	12.715	12.712	12.709	12.706	12.704
25.000	12.701	12.698	12.695	12.693	12.690
25.250	12.687	12.685	12.682	12.680	12.678
25.500	12.675	12.673	12.671	12.668	12.666
25.750	12.664	12.662	12.660	12.658	12.656
26.000	12.654	12.652	12.650	12.648	12.647
26.250	12.645	12.643	12.641	12.640	12.638
26.500	12.636	12.635	12.633	12.632	12.630
26.750	12.629	12.627	12.626	12.625	12.623
27.000	12.622	12.621	12.619	12.618	12.617
27.250	12.616	12.614	12.613	12.612	12.611
27.500	12.610	12.609	12.608	12.607	12.606
27.750	12.605	12.604	12.603	12.602	12.601
28.000	12.600	12.599	12.598	12.597	12.597
28.250	12.596	12.595	12.594	12.593	12.593
28.500	12.592	12.591	12.590	12.590	12.589
28.750	12.588	12.588	12.587	12.586	12.586
29.000	12.585	12.584	12.584	12.583	12.583
29.250	12.582	12.582	12.581	12.580	12.580
29.500	12.579	12.579	12.578	12.578	12.578
29.750	12.577	12.577	12.576	12.576	12.575
30.000	12.575	12.574	12.574	12.574	12.573
30.250	12.573	12.572	12.572	12.572	12.571
30.500	12.571	12.571	12.570	12.570	12.570
30.750	12.569	12.569	12.569	12.568	12.568
31.000	12.568	12.568	12.567	12.567	12.567
31.250	12.566	12.566	12.566	12.566	12.565
31.500	12.565	12.565	12.565	12.564	12.564
31.750	12.564	12.564	12.564	12.563	12.563
32.000	12.563	12.563	12.563	12.562	12.562
32.250	12.562	12.562	12.562	12.562	12.561
32.500	12.561	12.561	12.561	12.561	12.561
32.750	12.560	12.560	12.560	12.560	12.560
33.000	12.560	12.560	12.559	12.559	12.559
33.250	12.559	12.559	12.559	12.559	12.559
33.500	12.558	12.558	12.558	12.558	12.558

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
33.750	12.558	12.558	12.558	12.558	12.558
34.000	12.557	12.557	12.557	12.557	12.557
34.250	12.557	12.557	12.557	12.557	12.557
34.500	12.557	12.557	12.556	12.556	12.556
34.750	12.556	12.556	12.556	12.556	12.556
35.000	12.556	12.556	12.556	12.556	12.556
35.250	12.556	12.556	12.556	12.555	12.555
35.500	12.555	12.555	12.555	12.555	12.555
35.750	12.555	12.555	12.555	12.555	12.555
36.000	12.555	12.555	12.555	12.555	12.555
36.250	12.555	12.555	12.555	12.555	12.555
36.500	12.554	12.554	12.554	12.554	12.554
36.750	12.554	12.554	12.554	12.554	12.554
37.000	12.554	12.554	12.554	12.554	12.554
37.250	12.554	12.554	12.554	12.554	12.554
37.500	12.554	12.554	12.554	12.554	12.554
37.750	12.554	12.554	12.554	12.554	12.554
38.000	12.554	12.554	12.554	12.554	12.554
38.250	12.554	12.554	12.554	12.554	12.554
38.500	12.553	12.553	12.553	12.553	12.553
38.750	12.553	12.553	12.553	12.553	12.553
39.000	12.553	12.553	12.553	12.553	12.553
39.250	12.553	12.553	12.553	12.553	12.553
39.500	12.553	12.553	12.553	12.553	12.553
39.750	12.553	12.553	12.553	12.553	12.553
40.000	12.553	12.553	12.553	12.553	12.553
40.250	12.553	12.553	12.553	12.553	12.553
40.500	12.553	12.553	12.553	12.553	12.553
40.750	12.553	12.553	12.553	12.553	12.553
41.000	12.553	12.553	12.553	12.553	12.553
41.250	12.553	12.553	12.553	12.553	12.553
41.500	12.553	12.553	12.553	12.553	12.553
41.750	12.553	12.553	12.553	12.553	12.553
42.000	12.553	12.553	12.553	12.553	12.553
42.250	12.553	12.553	12.553	12.553	12.553
42.500	12.553	12.553	12.553	12.553	12.553
42.750	12.553	12.553	12.553	12.553	12.553
43.000	12.553	12.553	12.553	12.553	12.553
43.250	12.553	12.553	12.553	12.553	12.553
43.500	12.553	12.553	12.553	12.553	12.553
43.750	12.553	12.553	12.553	12.553	12.553
44.000	12.553	12.553	12.553	12.553	12.553
44.250	12.553	12.553	12.553	12.553	12.553
44.500	12.553	12.553	12.553	12.553	12.553
44.750	12.553	12.553	12.553	12.553	12.553

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
45.000	12.553	12.553	12.553	12.553	12.553
45.250	12.553	12.553	12.553	12.553	12.553
45.500	12.553	12.553	12.553	12.553	12.553
45.750	12.553	12.553	12.553	12.553	12.553
46.000	12.553	12.553	12.553	12.553	12.553
46.250	12.553	12.553	12.553	12.553	12.553
46.500	12.553	12.553	12.553	12.553	12.553
46.750	12.553	12.553	12.553	12.553	12.553
47.000	12.553	12.553	12.553	12.553	12.553
47.250	12.553	12.553	12.553	12.553	12.553
47.500	12.553	12.553	12.553	12.553	12.553
47.750	12.553	12.553	12.553	12.553	12.553
48.000	12.553	12.545	12.530	12.516	12.502
48.250	12.488	12.474	12.461	12.448	12.435
48.500	12.422	12.410	12.397	12.386	12.374
48.750	12.362	12.351	12.340	12.329	12.319
49.000	12.308	12.298	12.288	12.278	12.269
49.250	12.259	12.250	12.241	12.232	12.223
49.500	12.215	12.206	12.198	12.190	12.182
49.750	12.174	12.167	12.159	12.152	12.145
50.000	12.138	12.131	12.124	12.117	12.111
50.250	12.104	12.098	12.092	12.086	12.080
50.500	12.074	12.068	12.063	12.057	12.052
50.750	12.047	12.041	12.036	12.031	12.026
51.000	12.022	12.017	12.012	12.008	12.003
51.250	11.999	11.995	11.990	11.986	11.982
51.500	11.978	11.974	11.971	11.967	11.963
51.750	11.960	11.956	11.953	11.949	11.946
52.000	11.943	11.939	11.936	11.933	11.930
52.250	11.927	11.924	11.921	11.918	11.916
52.500	11.913	11.910	11.908	11.905	11.903
52.750	11.900	11.898	11.895	11.893	11.891
53.000	11.889	11.886	11.884	11.882	11.880
53.250	11.878	11.876	11.874	11.872	11.870
53.500	11.868	11.867	11.865	11.863	11.861
53.750	11.860	11.858	11.856	11.855	11.853
54.000	11.852	11.850	11.849	11.847	11.846
54.250	11.845	11.843	11.842	11.841	11.839
54.500	11.838	11.837	11.836	11.834	11.833
54.750	11.832	11.831	11.830	11.829	11.828
55.000	11.827	11.826	11.825	11.824	11.823
55.250	11.822	11.821	11.820	11.819	11.818
55.500	11.817	11.816	11.815	11.815	11.814
55.750	11.813	11.812	11.812	11.811	11.810
56.000	11.809	11.809	11.808	11.807	11.807

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
56.250	11.806	11.805	11.805	11.804	11.804
56.500	11.803	11.802	11.802	11.801	11.801
56.750	11.800	11.800	11.799	11.799	11.798
57.000	11.798	11.797	11.797	11.796	11.796
57.250	11.795	11.795	11.794	11.794	11.794
57.500	11.793	11.793	11.792	11.792	11.792
57.750	11.791	11.791	11.791	11.790	11.790
58.000	11.790	11.789	11.789	11.789	11.788
58.250	11.788	11.788	11.787	11.787	11.787
58.500	11.787	11.786	11.786	11.786	11.785
58.750	11.785	11.785	11.785	11.784	11.784
59.000	11.784	11.784	11.784	11.783	11.783
59.250	11.783	11.783	11.783	11.782	11.782
59.500	11.782	11.782	11.782	11.781	11.781
59.750	11.781	11.781	11.781	11.781	11.780
60.000	11.780	11.780	11.780	11.780	11.780
60.250	11.779	11.779	11.779	11.779	11.779
60.500	11.779	11.779	11.779	11.778	11.778
60.750	11.778	11.778	11.778	11.778	11.778
61.000	11.778	11.778	11.777	11.777	11.777
61.250	11.777	11.777	11.777	11.777	11.777
61.500	11.777	11.777	11.777	11.776	11.776
61.750	11.776	11.776	11.776	11.776	11.776
62.000	11.776	11.776	11.776	11.776	11.776
62.250	11.776	11.775	11.775	11.775	11.775
62.500	11.775	11.775	11.775	11.775	11.775
62.750	11.775	11.775	11.775	11.775	11.775
63.000	11.775	11.775	11.775	11.775	11.774
63.250	11.774	11.774	11.774	11.774	11.774
63.500	11.774	11.774	11.774	11.774	11.774
63.750	11.774	11.774	11.774	11.774	11.774
64.000	11.774	11.774	11.774	11.774	11.774
64.250	11.774	11.774	11.774	11.774	11.774
64.500	11.774	11.774	11.773	11.773	11.773
64.750	11.773	11.773	11.773	11.773	11.773
65.000	11.773	11.773	11.773	11.773	11.773
65.250	11.773	11.773	11.773	11.773	11.773
65.500	11.773	11.773	11.773	11.773	11.773
65.750	11.773	11.773	11.773	11.773	11.773
66.000	11.773	11.773	11.773	11.772	11.772
66.250	11.772	11.772	11.772	11.772	11.772
66.500	11.772	11.772	11.772	11.772	11.772
66.750	11.772	11.772	11.772	11.772	11.772
67.000	11.772	11.772	11.772	11.772	11.772
67.250	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
67.500	11.772	11.772	11.772	11.772	11.772
67.750	11.772	11.772	11.772	11.772	11.772
68.000	11.772	11.772	11.772	11.772	11.772
68.250	11.772	11.772	11.772	11.772	11.772
68.500	11.772	11.772	11.772	11.772	11.772
68.750	11.772	11.772	11.772	11.772	11.772
69.000	11.772	11.772	11.772	11.772	11.772
69.250	11.772	11.772	11.772	11.772	11.772
69.500	11.772	11.772	11.772	11.772	11.772
69.750	11.772	11.772	11.772	11.772	11.772
70.000	11.772	11.772	11.772	11.772	11.772
70.250	11.772	11.772	11.772	11.772	11.772
70.500	11.772	11.772	11.772	11.772	11.772
70.750	11.772	11.772	11.772	11.772	11.772
71.000	11.772	11.772	11.772	11.772	11.772
71.250	11.772	11.772	11.772	11.772	11.772
71.500	11.772	11.772	11.772	11.772	11.772
71.750	11.772	11.772	11.772	11.772	11.772
72.000	11.772	11.772	11.772	11.772	11.772
72.250	11.772	11.772	11.772	11.772	11.772
72.500	11.772	11.772	11.772	11.772	11.772
72.750	11.772	11.772	11.772	11.772	11.772
73.000	11.772	11.772	11.772	11.772	11.772
73.250	11.772	11.772	11.772	11.772	11.772
73.500	11.772	11.772	11.772	11.772	11.772
73.750	11.772	11.772	11.772	11.772	11.772
74.000	11.772	11.772	11.772	11.772	11.772
74.250	11.772	11.772	11.772	11.772	11.772
74.500	11.772	11.772	11.772	11.772	11.772
74.750	11.772	11.772	11.772	11.772	11.772
75.000	11.772	11.772	11.772	11.772	11.772
75.250	11.772	11.772	11.772	11.772	11.772
75.500	11.772	11.772	11.772	11.772	11.772
75.750	11.772	11.772	11.772	11.772	11.772
76.000	11.772	11.772	11.772	11.772	11.772
76.250	11.772	11.772	11.772	11.772	11.772
76.500	11.772	11.772	11.772	11.772	11.772
76.750	11.772	11.772	11.772	11.772	11.772
77.000	11.772	11.772	11.772	11.772	11.772
77.250	11.772	11.772	11.772	11.772	11.772
77.500	11.772	11.772	11.772	11.772	11.772
77.750	11.772	11.772	11.772	11.772	11.772
78.000	11.772	11.772	11.772	11.772	11.772
78.250	11.772	11.772	11.772	11.772	11.772
78.500	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
78.750	11.772	11.772	11.772	11.772	11.772
79.000	11.772	11.772	11.772	11.772	11.772
79.250	11.772	11.772	11.772	11.772	11.772
79.500	11.772	11.772	11.772	11.772	11.772
79.750	11.772	11.772	11.772	11.772	11.772
80.000	11.772	11.772	11.772	11.772	11.772
80.250	11.772	11.772	11.772	11.772	11.772
80.500	11.772	11.772	11.772	11.772	11.772
80.750	11.772	11.772	11.772	11.772	11.772
81.000	11.772	11.772	11.772	11.772	11.772
81.250	11.772	11.772	11.772	11.772	11.772
81.500	11.772	11.772	11.772	11.772	11.772
81.750	11.772	11.772	11.772	11.772	11.772
82.000	11.772	11.772	11.772	11.772	11.772
82.250	11.772	11.772	11.772	11.772	11.772
82.500	11.772	11.772	11.772	11.772	11.772
82.750	11.772	11.772	11.772	11.772	11.772
83.000	11.772	11.772	11.772	11.772	11.772
83.250	11.772	11.772	11.772	11.772	11.772
83.500	11.772	11.772	11.772	11.772	11.772
83.750	11.772	11.772	11.772	11.772	11.772
84.000	11.772	11.772	11.772	11.772	11.772
84.250	11.772	11.772	11.772	11.772	11.772
84.500	11.772	11.772	11.772	11.772	11.772
84.750	11.772	11.772	11.772	11.772	11.772
85.000	11.772	11.772	11.772	11.772	11.772
85.250	11.772	11.772	11.772	11.772	11.772
85.500	11.772	11.772	11.772	11.772	11.772
85.750	11.772	11.772	11.772	11.772	11.772
86.000	11.772	11.772	11.772	11.772	11.772
86.250	11.772	11.772	11.772	11.772	11.772
86.500	11.772	11.772	11.772	11.772	11.772
86.750	11.772	11.772	11.772	11.772	11.772
87.000	11.772	11.772	11.772	11.772	11.772
87.250	11.772	11.772	11.772	11.772	11.772
87.500	11.772	11.772	11.772	11.772	11.772
87.750	11.772	11.772	11.772	11.772	11.772
88.000	11.772	11.772	11.772	11.772	11.772
88.250	11.772	11.772	11.772	11.772	11.772
88.500	11.772	11.772	11.772	11.772	11.772
88.750	11.772	11.772	11.772	11.772	11.772
89.000	11.772	11.772	11.772	11.772	11.772
89.250	11.772	11.772	11.772	11.772	11.772
89.500	11.772	11.772	11.772	11.772	11.772
89.750	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Label: WetlandPool

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
90.000	11.772	11.772	11.772	11.772	11.772
90.250	11.772	11.772	11.772	11.772	11.772
90.500	11.772	11.772	11.772	11.772	11.772
90.750	11.772	11.772	11.772	11.772	11.772
91.000	11.772	11.772	11.772	11.772	11.772
91.250	11.772	11.772	11.772	11.772	11.772
91.500	11.772	11.772	11.772	11.772	11.772
91.750	11.772	11.772	11.772	11.772	11.772
92.000	11.772	11.772	11.772	11.772	11.772
92.250	11.772	11.772	11.772	11.772	11.772
92.500	11.772	11.772	11.772	11.772	11.772
92.750	11.772	11.772	11.772	11.772	11.772
93.000	11.772	11.772	11.772	11.772	11.772
93.250	11.772	11.772	11.772	11.772	11.772
93.500	11.772	11.772	11.772	11.772	11.772
93.750	11.772	11.772	11.772	11.772	11.772
94.000	11.772	11.772	11.772	11.772	11.772
94.250	11.772	11.772	11.772	11.772	11.772
94.500	11.772	11.772	11.772	11.772	11.772
94.750	11.772	11.772	11.772	11.772	11.772
95.000	11.772	11.772	11.772	11.772	11.772
95.250	11.772	11.772	11.772	11.772	11.772
95.500	11.772	11.772	11.772	11.772	11.772
95.750	11.772	11.772	11.772	11.772	11.772
96.000	11.772	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	11.772	11.786	11.801	11.814	11.828
0.250	11.841	11.855	11.867	11.880	11.892
0.500	11.905	11.917	11.928	11.940	11.951
0.750	11.962	11.973	11.984	11.995	12.005
1.000	12.015	12.025	12.035	12.044	12.054
1.250	12.063	12.072	12.081	12.090	12.098
1.500	12.107	12.115	12.123	12.131	12.139
1.750	12.147	12.154	12.162	12.169	12.176
2.000	12.183	12.190	12.197	12.203	12.210
2.250	12.216	12.223	12.229	12.235	12.241
2.500	12.246	12.252	12.258	12.263	12.269
2.750	12.274	12.279	12.284	12.289	12.294
3.000	12.299	12.304	12.308	12.313	12.317
3.250	12.322	12.326	12.330	12.334	12.339
3.500	12.343	12.346	12.350	12.354	12.358
3.750	12.361	12.365	12.369	12.372	12.375
4.000	12.379	12.382	12.385	12.388	12.391
4.250	12.394	12.397	12.400	12.403	12.406
4.500	12.409	12.411	12.414	12.417	12.419
4.750	12.422	12.424	12.426	12.429	12.431
5.000	12.433	12.436	12.438	12.440	12.442
5.250	12.444	12.446	12.448	12.450	12.452
5.500	12.454	12.456	12.458	12.459	12.461
5.750	12.463	12.464	12.466	12.468	12.469
6.000	12.471	12.472	12.474	12.475	12.477
6.250	12.478	12.480	12.481	12.482	12.484
6.500	12.485	12.487	12.488	12.489	12.491
6.750	12.492	12.494	12.495	12.496	12.498
7.000	12.499	12.501	12.503	12.504	12.506
7.250	12.507	12.509	12.511	12.512	12.514
7.500	12.516	12.518	12.520	12.521	12.523
7.750	12.525	12.527	12.529	12.531	12.533
8.000	12.535	12.537	12.539	12.541	12.543
8.250	12.545	12.547	12.549	12.552	12.554
8.500	12.556	12.558	12.561	12.563	12.565
8.750	12.568	12.570	12.572	12.575	12.577
9.000	12.580	12.582	12.585	12.587	12.590
9.250	12.593	12.596	12.600	12.604	12.608
9.500	12.612	12.616	12.621	12.626	12.630
9.750	12.635	12.640	12.645	12.650	12.656
10.000	12.661	12.666	12.672	12.677	12.683
10.250	12.688	12.694	12.700	12.706	12.712
10.500	12.718	12.724	12.730	12.737	12.744
10.750	12.751	12.760	12.769	12.779	12.790
11.000	12.802	12.816	12.830	12.845	12.862

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
11.250	12.879	12.898	12.917	12.938	12.960
11.500	12.983	13.007	13.033	13.061	13.092
11.750	13.126	13.166	13.212	13.268	13.335
12.000	13.418	13.522	13.658	13.834	14.053
12.250	14.310	14.595	14.887	15.167	15.392
12.500	15.580	15.735	15.859	15.957	16.032
12.750	16.087	16.124	16.148	16.161	16.164
13.000	16.161	16.152	16.138	16.121	16.100
13.250	16.078	16.053	16.027	16.000	15.971
13.500	15.941	15.910	15.878	15.845	15.811
13.750	15.776	15.741	15.705	15.668	15.632
14.000	15.595	15.559	15.524	15.489	15.455
14.250	15.422	15.389	15.358	15.327	15.297
14.500	15.268	15.240	15.211	15.179	15.147
14.750	15.117	15.086	15.056	15.027	14.998
15.000	14.969	14.941	14.913	14.886	14.858
15.250	14.830	14.802	14.773	14.744	14.716
15.500	14.687	14.658	14.630	14.602	14.574
15.750	14.546	14.519	14.493	14.467	14.441
16.000	14.416	14.391	14.366	14.342	14.318
16.250	14.295	14.272	14.250	14.228	14.206
16.500	14.185	14.164	14.143	14.123	14.103
16.750	14.083	14.064	14.045	14.027	14.008
17.000	13.990	13.972	13.955	13.938	13.921
17.250	13.904	13.888	13.872	13.856	13.841
17.500	13.826	13.811	13.796	13.781	13.767
17.750	13.753	13.739	13.725	13.712	13.698
18.000	13.685	13.672	13.660	13.647	13.635
18.250	13.623	13.611	13.599	13.588	13.576
18.500	13.565	13.554	13.543	13.532	13.522
18.750	13.511	13.501	13.491	13.481	13.471
19.000	13.461	13.451	13.442	13.432	13.423
19.250	13.414	13.405	13.396	13.387	13.379
19.500	13.370	13.362	13.354	13.345	13.337
19.750	13.329	13.321	13.313	13.306	13.298
20.000	13.291	13.283	13.276	13.269	13.261
20.250	13.254	13.247	13.240	13.234	13.227
20.500	13.220	13.213	13.207	13.200	13.194
20.750	13.188	13.181	13.175	13.169	13.163
21.000	13.157	13.151	13.145	13.139	13.133
21.250	13.128	13.122	13.116	13.111	13.105
21.500	13.100	13.095	13.089	13.084	13.079
21.750	13.073	13.068	13.063	13.058	13.053
22.000	13.048	13.043	13.038	13.033	13.028
22.250	13.024	13.019	13.014	13.009	13.005

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
22.500	13.000	12.996	12.991	12.986	12.982
22.750	12.978	12.973	12.969	12.964	12.960
23.000	12.956	12.951	12.947	12.943	12.939
23.250	12.935	12.930	12.926	12.922	12.918
23.500	12.914	12.910	12.906	12.902	12.898
23.750	12.894	12.890	12.886	12.883	12.879
24.000	12.875	12.871	12.867	12.863	12.859
24.250	12.855	12.851	12.846	12.841	12.837
24.500	12.832	12.827	12.822	12.817	12.812
24.750	12.808	12.803	12.798	12.794	12.789
25.000	12.785	12.780	12.776	12.772	12.768
25.250	12.764	12.760	12.756	12.752	12.748
25.500	12.744	12.741	12.737	12.734	12.730
25.750	12.727	12.724	12.721	12.717	12.714
26.000	12.711	12.708	12.705	12.702	12.700
26.250	12.697	12.694	12.691	12.689	12.686
26.500	12.684	12.681	12.679	12.676	12.674
26.750	12.672	12.670	12.667	12.665	12.663
27.000	12.661	12.659	12.657	12.655	12.653
27.250	12.651	12.649	12.648	12.646	12.644
27.500	12.642	12.641	12.639	12.637	12.636
27.750	12.634	12.633	12.631	12.630	12.628
28.000	12.627	12.625	12.624	12.623	12.621
28.250	12.620	12.619	12.618	12.616	12.615
28.500	12.614	12.613	12.612	12.611	12.609
28.750	12.608	12.607	12.606	12.605	12.604
29.000	12.603	12.602	12.601	12.601	12.600
29.250	12.599	12.598	12.597	12.596	12.595
29.500	12.595	12.594	12.593	12.592	12.592
29.750	12.591	12.590	12.589	12.589	12.588
30.000	12.587	12.587	12.586	12.585	12.585
30.250	12.584	12.584	12.583	12.582	12.582
30.500	12.581	12.581	12.580	12.580	12.579
30.750	12.579	12.578	12.578	12.577	12.577
31.000	12.576	12.576	12.575	12.575	12.575
31.250	12.574	12.574	12.573	12.573	12.573
31.500	12.572	12.572	12.572	12.571	12.571
31.750	12.571	12.570	12.570	12.569	12.569
32.000	12.569	12.569	12.568	12.568	12.568
32.250	12.567	12.567	12.567	12.567	12.566
32.500	12.566	12.566	12.566	12.565	12.565
32.750	12.565	12.565	12.564	12.564	12.564
33.000	12.564	12.564	12.563	12.563	12.563
33.250	12.563	12.563	12.562	12.562	12.562
33.500	12.562	12.562	12.561	12.561	12.561

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
33.750	12.561	12.561	12.561	12.561	12.560
34.000	12.560	12.560	12.560	12.560	12.560
34.250	12.560	12.559	12.559	12.559	12.559
34.500	12.559	12.559	12.559	12.559	12.558
34.750	12.558	12.558	12.558	12.558	12.558
35.000	12.558	12.558	12.558	12.558	12.557
35.250	12.557	12.557	12.557	12.557	12.557
35.500	12.557	12.557	12.557	12.557	12.557
35.750	12.557	12.556	12.556	12.556	12.556
36.000	12.556	12.556	12.556	12.556	12.556
36.250	12.556	12.556	12.556	12.556	12.556
36.500	12.556	12.556	12.555	12.555	12.555
36.750	12.555	12.555	12.555	12.555	12.555
37.000	12.555	12.555	12.555	12.555	12.555
37.250	12.555	12.555	12.555	12.555	12.555
37.500	12.555	12.555	12.555	12.555	12.554
37.750	12.554	12.554	12.554	12.554	12.554
38.000	12.554	12.554	12.554	12.554	12.554
38.250	12.554	12.554	12.554	12.554	12.554
38.500	12.554	12.554	12.554	12.554	12.554
38.750	12.554	12.554	12.554	12.554	12.554
39.000	12.554	12.554	12.554	12.554	12.554
39.250	12.554	12.554	12.554	12.554	12.554
39.500	12.554	12.554	12.554	12.553	12.553
39.750	12.553	12.553	12.553	12.553	12.553
40.000	12.553	12.553	12.553	12.553	12.553
40.250	12.553	12.553	12.553	12.553	12.553
40.500	12.553	12.553	12.553	12.553	12.553
40.750	12.553	12.553	12.553	12.553	12.553
41.000	12.553	12.553	12.553	12.553	12.553
41.250	12.553	12.553	12.553	12.553	12.553
41.500	12.553	12.553	12.553	12.553	12.553
41.750	12.553	12.553	12.553	12.553	12.553
42.000	12.553	12.553	12.553	12.553	12.553
42.250	12.553	12.553	12.553	12.553	12.553
42.500	12.553	12.553	12.553	12.553	12.553
42.750	12.553	12.553	12.553	12.553	12.553
43.000	12.553	12.553	12.553	12.553	12.553
43.250	12.553	12.553	12.553	12.553	12.553
43.500	12.553	12.553	12.553	12.553	12.553
43.750	12.553	12.553	12.553	12.553	12.553
44.000	12.553	12.553	12.553	12.553	12.553
44.250	12.553	12.553	12.553	12.553	12.553
44.500	12.553	12.553	12.553	12.553	12.553
44.750	12.553	12.553	12.553	12.553	12.553

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
45.000	12.553	12.553	12.553	12.553	12.553
45.250	12.553	12.553	12.553	12.553	12.553
45.500	12.553	12.553	12.553	12.553	12.553
45.750	12.553	12.553	12.553	12.553	12.553
46.000	12.553	12.553	12.553	12.553	12.553
46.250	12.553	12.553	12.553	12.553	12.553
46.500	12.553	12.553	12.553	12.553	12.553
46.750	12.553	12.553	12.553	12.553	12.553
47.000	12.553	12.553	12.553	12.553	12.553
47.250	12.553	12.553	12.553	12.553	12.553
47.500	12.553	12.553	12.553	12.553	12.553
47.750	12.553	12.553	12.553	12.553	12.553
48.000	12.553	12.545	12.530	12.516	12.502
48.250	12.488	12.474	12.461	12.448	12.435
48.500	12.422	12.410	12.397	12.386	12.374
48.750	12.362	12.351	12.340	12.329	12.319
49.000	12.308	12.298	12.288	12.278	12.269
49.250	12.259	12.250	12.241	12.232	12.223
49.500	12.215	12.206	12.198	12.190	12.182
49.750	12.174	12.167	12.159	12.152	12.145
50.000	12.138	12.131	12.124	12.117	12.111
50.250	12.104	12.098	12.092	12.086	12.080
50.500	12.074	12.068	12.063	12.057	12.052
50.750	12.047	12.041	12.036	12.031	12.026
51.000	12.022	12.017	12.012	12.008	12.003
51.250	11.999	11.995	11.990	11.986	11.982
51.500	11.978	11.974	11.971	11.967	11.963
51.750	11.960	11.956	11.953	11.949	11.946
52.000	11.943	11.939	11.936	11.933	11.930
52.250	11.927	11.924	11.921	11.918	11.916
52.500	11.913	11.910	11.908	11.905	11.903
52.750	11.900	11.898	11.895	11.893	11.891
53.000	11.889	11.886	11.884	11.882	11.880
53.250	11.878	11.876	11.874	11.872	11.870
53.500	11.868	11.867	11.865	11.863	11.861
53.750	11.860	11.858	11.856	11.855	11.853
54.000	11.852	11.850	11.849	11.847	11.846
54.250	11.845	11.843	11.842	11.841	11.839
54.500	11.838	11.837	11.836	11.834	11.833
54.750	11.832	11.831	11.830	11.829	11.828
55.000	11.827	11.826	11.825	11.824	11.823
55.250	11.822	11.821	11.820	11.819	11.818
55.500	11.817	11.816	11.815	11.815	11.814
55.750	11.813	11.812	11.812	11.811	11.810
56.000	11.809	11.809	11.808	11.807	11.807

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
56.250	11.806	11.805	11.805	11.804	11.804
56.500	11.803	11.802	11.802	11.801	11.801
56.750	11.800	11.800	11.799	11.799	11.798
57.000	11.798	11.797	11.797	11.796	11.796
57.250	11.795	11.795	11.794	11.794	11.794
57.500	11.793	11.793	11.792	11.792	11.792
57.750	11.791	11.791	11.791	11.790	11.790
58.000	11.790	11.789	11.789	11.789	11.788
58.250	11.788	11.788	11.787	11.787	11.787
58.500	11.787	11.786	11.786	11.786	11.785
58.750	11.785	11.785	11.785	11.784	11.784
59.000	11.784	11.784	11.784	11.783	11.783
59.250	11.783	11.783	11.783	11.782	11.782
59.500	11.782	11.782	11.782	11.781	11.781
59.750	11.781	11.781	11.781	11.781	11.780
60.000	11.780	11.780	11.780	11.780	11.780
60.250	11.779	11.779	11.779	11.779	11.779
60.500	11.779	11.779	11.779	11.778	11.778
60.750	11.778	11.778	11.778	11.778	11.778
61.000	11.778	11.778	11.777	11.777	11.777
61.250	11.777	11.777	11.777	11.777	11.777
61.500	11.777	11.777	11.777	11.776	11.776
61.750	11.776	11.776	11.776	11.776	11.776
62.000	11.776	11.776	11.776	11.776	11.776
62.250	11.776	11.775	11.775	11.775	11.775
62.500	11.775	11.775	11.775	11.775	11.775
62.750	11.775	11.775	11.775	11.775	11.775
63.000	11.775	11.775	11.775	11.775	11.774
63.250	11.774	11.774	11.774	11.774	11.774
63.500	11.774	11.774	11.774	11.774	11.774
63.750	11.774	11.774	11.774	11.774	11.774
64.000	11.774	11.774	11.774	11.774	11.774
64.250	11.774	11.774	11.774	11.774	11.774
64.500	11.774	11.774	11.773	11.773	11.773
64.750	11.773	11.773	11.773	11.773	11.773
65.000	11.773	11.773	11.773	11.773	11.773
65.250	11.773	11.773	11.773	11.773	11.773
65.500	11.773	11.773	11.773	11.773	11.773
65.750	11.773	11.773	11.773	11.773	11.773
66.000	11.773	11.773	11.773	11.772	11.772
66.250	11.772	11.772	11.772	11.772	11.772
66.500	11.772	11.772	11.772	11.772	11.772
66.750	11.772	11.772	11.772	11.772	11.772
67.000	11.772	11.772	11.772	11.772	11.772
67.250	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
67.500	11.772	11.772	11.772	11.772	11.772
67.750	11.772	11.772	11.772	11.772	11.772
68.000	11.772	11.772	11.772	11.772	11.772
68.250	11.772	11.772	11.772	11.772	11.772
68.500	11.772	11.772	11.772	11.772	11.772
68.750	11.772	11.772	11.772	11.772	11.772
69.000	11.772	11.772	11.772	11.772	11.772
69.250	11.772	11.772	11.772	11.772	11.772
69.500	11.772	11.772	11.772	11.772	11.772
69.750	11.772	11.772	11.772	11.772	11.772
70.000	11.772	11.772	11.772	11.772	11.772
70.250	11.772	11.772	11.772	11.772	11.772
70.500	11.772	11.772	11.772	11.772	11.772
70.750	11.772	11.772	11.772	11.772	11.772
71.000	11.772	11.772	11.772	11.772	11.772
71.250	11.772	11.772	11.772	11.772	11.772
71.500	11.772	11.772	11.772	11.772	11.772
71.750	11.772	11.772	11.772	11.772	11.772
72.000	11.772	11.772	11.772	11.772	11.772
72.250	11.772	11.772	11.772	11.772	11.772
72.500	11.772	11.772	11.772	11.772	11.772
72.750	11.772	11.772	11.772	11.772	11.772
73.000	11.772	11.772	11.772	11.772	11.772
73.250	11.772	11.772	11.772	11.772	11.772
73.500	11.772	11.772	11.772	11.772	11.772
73.750	11.772	11.772	11.772	11.772	11.772
74.000	11.772	11.772	11.772	11.772	11.772
74.250	11.772	11.772	11.772	11.772	11.772
74.500	11.772	11.772	11.772	11.772	11.772
74.750	11.772	11.772	11.772	11.772	11.772
75.000	11.772	11.772	11.772	11.772	11.772
75.250	11.772	11.772	11.772	11.772	11.772
75.500	11.772	11.772	11.772	11.772	11.772
75.750	11.772	11.772	11.772	11.772	11.772
76.000	11.772	11.772	11.772	11.772	11.772
76.250	11.772	11.772	11.772	11.772	11.772
76.500	11.772	11.772	11.772	11.772	11.772
76.750	11.772	11.772	11.772	11.772	11.772
77.000	11.772	11.772	11.772	11.772	11.772
77.250	11.772	11.772	11.772	11.772	11.772
77.500	11.772	11.772	11.772	11.772	11.772
77.750	11.772	11.772	11.772	11.772	11.772
78.000	11.772	11.772	11.772	11.772	11.772
78.250	11.772	11.772	11.772	11.772	11.772
78.500	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
78.750	11.772	11.772	11.772	11.772	11.772
79.000	11.772	11.772	11.772	11.772	11.772
79.250	11.772	11.772	11.772	11.772	11.772
79.500	11.772	11.772	11.772	11.772	11.772
79.750	11.772	11.772	11.772	11.772	11.772
80.000	11.772	11.772	11.772	11.772	11.772
80.250	11.772	11.772	11.772	11.772	11.772
80.500	11.772	11.772	11.772	11.772	11.772
80.750	11.772	11.772	11.772	11.772	11.772
81.000	11.772	11.772	11.772	11.772	11.772
81.250	11.772	11.772	11.772	11.772	11.772
81.500	11.772	11.772	11.772	11.772	11.772
81.750	11.772	11.772	11.772	11.772	11.772
82.000	11.772	11.772	11.772	11.772	11.772
82.250	11.772	11.772	11.772	11.772	11.772
82.500	11.772	11.772	11.772	11.772	11.772
82.750	11.772	11.772	11.772	11.772	11.772
83.000	11.772	11.772	11.772	11.772	11.772
83.250	11.772	11.772	11.772	11.772	11.772
83.500	11.772	11.772	11.772	11.772	11.772
83.750	11.772	11.772	11.772	11.772	11.772
84.000	11.772	11.772	11.772	11.772	11.772
84.250	11.772	11.772	11.772	11.772	11.772
84.500	11.772	11.772	11.772	11.772	11.772
84.750	11.772	11.772	11.772	11.772	11.772
85.000	11.772	11.772	11.772	11.772	11.772
85.250	11.772	11.772	11.772	11.772	11.772
85.500	11.772	11.772	11.772	11.772	11.772
85.750	11.772	11.772	11.772	11.772	11.772
86.000	11.772	11.772	11.772	11.772	11.772
86.250	11.772	11.772	11.772	11.772	11.772
86.500	11.772	11.772	11.772	11.772	11.772
86.750	11.772	11.772	11.772	11.772	11.772
87.000	11.772	11.772	11.772	11.772	11.772
87.250	11.772	11.772	11.772	11.772	11.772
87.500	11.772	11.772	11.772	11.772	11.772
87.750	11.772	11.772	11.772	11.772	11.772
88.000	11.772	11.772	11.772	11.772	11.772
88.250	11.772	11.772	11.772	11.772	11.772
88.500	11.772	11.772	11.772	11.772	11.772
88.750	11.772	11.772	11.772	11.772	11.772
89.000	11.772	11.772	11.772	11.772	11.772
89.250	11.772	11.772	11.772	11.772	11.772
89.500	11.772	11.772	11.772	11.772	11.772
89.750	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
90.000	11.772	11.772	11.772	11.772	11.772
90.250	11.772	11.772	11.772	11.772	11.772
90.500	11.772	11.772	11.772	11.772	11.772
90.750	11.772	11.772	11.772	11.772	11.772
91.000	11.772	11.772	11.772	11.772	11.772
91.250	11.772	11.772	11.772	11.772	11.772
91.500	11.772	11.772	11.772	11.772	11.772
91.750	11.772	11.772	11.772	11.772	11.772
92.000	11.772	11.772	11.772	11.772	11.772
92.250	11.772	11.772	11.772	11.772	11.772
92.500	11.772	11.772	11.772	11.772	11.772
92.750	11.772	11.772	11.772	11.772	11.772
93.000	11.772	11.772	11.772	11.772	11.772
93.250	11.772	11.772	11.772	11.772	11.772
93.500	11.772	11.772	11.772	11.772	11.772
93.750	11.772	11.772	11.772	11.772	11.772
94.000	11.772	11.772	11.772	11.772	11.772
94.250	11.772	11.772	11.772	11.772	11.772
94.500	11.772	11.772	11.772	11.772	11.772
94.750	11.772	11.772	11.772	11.772	11.772
95.000	11.772	11.772	11.772	11.772	11.772
95.250	11.772	11.772	11.772	11.772	11.772
95.500	11.772	11.772	11.772	11.772	11.772
95.750	11.772	11.772	11.772	11.772	11.772
96.000	11.772	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
0.000	11.772	11.786	11.801	11.814	11.828
0.250	11.841	11.855	11.867	11.880	11.892
0.500	11.905	11.917	11.928	11.940	11.951
0.750	11.962	11.973	11.984	11.995	12.005
1.000	12.015	12.025	12.035	12.044	12.054
1.250	12.063	12.072	12.081	12.090	12.098
1.500	12.107	12.115	12.123	12.131	12.139
1.750	12.147	12.154	12.162	12.169	12.176
2.000	12.183	12.190	12.197	12.203	12.210
2.250	12.216	12.223	12.229	12.235	12.241
2.500	12.246	12.252	12.258	12.263	12.269
2.750	12.274	12.279	12.284	12.289	12.294
3.000	12.299	12.304	12.308	12.313	12.317
3.250	12.322	12.326	12.330	12.334	12.339
3.500	12.343	12.346	12.350	12.354	12.358
3.750	12.361	12.365	12.369	12.372	12.375
4.000	12.379	12.382	12.385	12.388	12.391
4.250	12.394	12.397	12.400	12.403	12.406
4.500	12.409	12.411	12.414	12.417	12.419
4.750	12.422	12.424	12.426	12.429	12.431
5.000	12.433	12.436	12.438	12.440	12.442
5.250	12.444	12.446	12.448	12.450	12.452
5.500	12.454	12.456	12.458	12.460	12.462
5.750	12.464	12.467	12.469	12.471	12.473
6.000	12.475	12.477	12.480	12.482	12.484
6.250	12.487	12.489	12.492	12.494	12.497
6.500	12.499	12.502	12.504	12.507	12.510
6.750	12.512	12.515	12.518	12.521	12.523
7.000	12.526	12.529	12.532	12.535	12.538
7.250	12.541	12.544	12.547	12.550	12.553
7.500	12.557	12.560	12.563	12.566	12.570
7.750	12.573	12.576	12.580	12.583	12.587
8.000	12.590	12.594	12.597	12.601	12.604
8.250	12.608	12.612	12.615	12.619	12.623
8.500	12.627	12.630	12.634	12.638	12.642
8.750	12.646	12.650	12.654	12.658	12.662
9.000	12.666	12.670	12.674	12.679	12.683
9.250	12.688	12.694	12.700	12.707	12.713
9.500	12.721	12.728	12.736	12.744	12.752
9.750	12.760	12.769	12.777	12.786	12.795
10.000	12.803	12.812	12.821	12.830	12.840
10.250	12.849	12.858	12.868	12.877	12.887
10.500	12.896	12.906	12.916	12.926	12.938
10.750	12.950	12.963	12.978	12.995	13.013
11.000	13.033	13.054	13.077	13.101	13.128

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
11.250	13.155	13.185	13.216	13.249	13.284
11.500	13.320	13.358	13.399	13.442	13.490
11.750	13.544	13.605	13.677	13.763	13.866
12.000	13.993	14.152	14.359	14.625	14.954
12.250	15.323	15.682	16.044	16.386	16.693
12.500	16.955	17.169	17.337	17.465	17.559
12.750	17.623	17.662	17.680	17.681	17.670
13.000	17.648	17.619	17.583	17.542	17.497
13.250	17.450	17.400	17.348	17.294	17.239
13.500	17.182	17.125	17.067	17.008	16.947
13.750	16.886	16.824	16.762	16.699	16.637
14.000	16.575	16.514	16.455	16.396	16.340
14.250	16.284	16.230	16.178	16.127	16.077
14.500	16.029	15.983	15.937	15.893	15.851
14.750	15.809	15.769	15.730	15.692	15.656
15.000	15.620	15.586	15.552	15.519	15.486
15.250	15.453	15.421	15.388	15.356	15.324
15.500	15.292	15.261	15.231	15.197	15.162
15.750	15.128	15.094	15.060	15.028	14.995
16.000	14.963	14.932	14.901	14.871	14.841
16.250	14.812	14.783	14.755	14.727	14.700
16.500	14.673	14.647	14.621	14.595	14.570
16.750	14.545	14.521	14.497	14.474	14.451
17.000	14.428	14.406	14.384	14.362	14.341
17.250	14.320	14.299	14.279	14.259	14.239
17.500	14.220	14.201	14.182	14.164	14.146
17.750	14.128	14.110	14.093	14.076	14.059
18.000	14.042	14.026	14.010	13.994	13.978
18.250	13.963	13.948	13.933	13.918	13.904
18.500	13.889	13.875	13.861	13.848	13.834
18.750	13.821	13.808	13.795	13.782	13.769
19.000	13.757	13.744	13.732	13.720	13.708
19.250	13.697	13.685	13.674	13.663	13.651
19.500	13.640	13.630	13.619	13.608	13.598
19.750	13.588	13.577	13.567	13.557	13.548
20.000	13.538	13.528	13.519	13.509	13.500
20.250	13.491	13.482	13.473	13.464	13.455
20.500	13.447	13.438	13.429	13.421	13.413
20.750	13.404	13.396	13.388	13.380	13.372
21.000	13.364	13.356	13.349	13.341	13.334
21.250	13.326	13.319	13.311	13.304	13.297
21.500	13.290	13.282	13.275	13.268	13.262
21.750	13.255	13.248	13.241	13.234	13.228
22.000	13.221	13.215	13.208	13.202	13.195
22.250	13.189	13.183	13.176	13.170	13.164

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
22.500	13.158	13.152	13.146	13.140	13.134
22.750	13.128	13.122	13.116	13.110	13.104
23.000	13.099	13.093	13.087	13.082	13.076
23.250	13.071	13.065	13.059	13.054	13.049
23.500	13.043	13.038	13.032	13.027	13.022
23.750	13.016	13.011	13.006	13.001	12.996
24.000	12.990	12.985	12.980	12.975	12.969
24.250	12.964	12.958	12.952	12.945	12.939
24.500	12.932	12.925	12.919	12.912	12.906
24.750	12.899	12.893	12.886	12.880	12.874
25.000	12.868	12.862	12.856	12.850	12.845
25.250	12.839	12.834	12.829	12.823	12.818
25.500	12.813	12.808	12.803	12.799	12.794
25.750	12.790	12.785	12.781	12.776	12.772
26.000	12.768	12.764	12.760	12.756	12.752
26.250	12.748	12.745	12.741	12.738	12.734
26.500	12.731	12.727	12.724	12.721	12.718
26.750	12.715	12.711	12.708	12.706	12.703
27.000	12.700	12.697	12.694	12.692	12.689
27.250	12.686	12.684	12.681	12.679	12.677
27.500	12.674	12.672	12.670	12.668	12.665
27.750	12.663	12.661	12.659	12.657	12.655
28.000	12.653	12.651	12.650	12.648	12.646
28.250	12.644	12.642	12.641	12.639	12.637
28.500	12.636	12.634	12.633	12.631	12.630
28.750	12.628	12.627	12.626	12.624	12.623
29.000	12.621	12.620	12.619	12.618	12.616
29.250	12.615	12.614	12.613	12.612	12.611
29.500	12.610	12.608	12.607	12.606	12.605
29.750	12.604	12.603	12.602	12.602	12.601
30.000	12.600	12.599	12.598	12.597	12.596
30.250	12.595	12.595	12.594	12.593	12.592
30.500	12.592	12.591	12.590	12.589	12.589
30.750	12.588	12.587	12.587	12.586	12.585
31.000	12.585	12.584	12.584	12.583	12.582
31.250	12.582	12.581	12.581	12.580	12.580
31.500	12.579	12.579	12.578	12.578	12.577
31.750	12.577	12.576	12.576	12.576	12.575
32.000	12.575	12.574	12.574	12.573	12.573
32.250	12.573	12.572	12.572	12.572	12.571
32.500	12.571	12.571	12.570	12.570	12.570
32.750	12.569	12.569	12.569	12.568	12.568
33.000	12.568	12.567	12.567	12.567	12.567
33.250	12.566	12.566	12.566	12.566	12.565
33.500	12.565	12.565	12.565	12.564	12.564

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
33.750	12.564	12.564	12.564	12.563	12.563
34.000	12.563	12.563	12.563	12.562	12.562
34.250	12.562	12.562	12.562	12.561	12.561
34.500	12.561	12.561	12.561	12.561	12.561
34.750	12.560	12.560	12.560	12.560	12.560
35.000	12.560	12.560	12.559	12.559	12.559
35.250	12.559	12.559	12.559	12.559	12.559
35.500	12.558	12.558	12.558	12.558	12.558
35.750	12.558	12.558	12.558	12.558	12.558
36.000	12.557	12.557	12.557	12.557	12.557
36.250	12.557	12.557	12.557	12.557	12.557
36.500	12.557	12.557	12.556	12.556	12.556
36.750	12.556	12.556	12.556	12.556	12.556
37.000	12.556	12.556	12.556	12.556	12.556
37.250	12.556	12.556	12.556	12.555	12.555
37.500	12.555	12.555	12.555	12.555	12.555
37.750	12.555	12.555	12.555	12.555	12.555
38.000	12.555	12.555	12.555	12.555	12.555
38.250	12.555	12.555	12.555	12.555	12.555
38.500	12.554	12.554	12.554	12.554	12.554
38.750	12.554	12.554	12.554	12.554	12.554
39.000	12.554	12.554	12.554	12.554	12.554
39.250	12.554	12.554	12.554	12.554	12.554
39.500	12.554	12.554	12.554	12.554	12.554
39.750	12.554	12.554	12.554	12.554	12.554
40.000	12.554	12.554	12.554	12.554	12.554
40.250	12.554	12.554	12.554	12.554	12.553
40.500	12.553	12.553	12.553	12.553	12.553
40.750	12.553	12.553	12.553	12.553	12.553
41.000	12.553	12.553	12.553	12.553	12.553
41.250	12.553	12.553	12.553	12.553	12.553
41.500	12.553	12.553	12.553	12.553	12.553
41.750	12.553	12.553	12.553	12.553	12.553
42.000	12.553	12.553	12.553	12.553	12.553
42.250	12.553	12.553	12.553	12.553	12.553
42.500	12.553	12.553	12.553	12.553	12.553
42.750	12.553	12.553	12.553	12.553	12.553
43.000	12.553	12.553	12.553	12.553	12.553
43.250	12.553	12.553	12.553	12.553	12.553
43.500	12.553	12.553	12.553	12.553	12.553
43.750	12.553	12.553	12.553	12.553	12.553
44.000	12.553	12.553	12.553	12.553	12.553
44.250	12.553	12.553	12.553	12.553	12.553
44.500	12.553	12.553	12.553	12.553	12.553
44.750	12.553	12.553	12.553	12.553	12.553

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
45.000	12.553	12.553	12.553	12.553	12.553
45.250	12.553	12.553	12.553	12.553	12.553
45.500	12.553	12.553	12.553	12.553	12.553
45.750	12.553	12.553	12.553	12.553	12.553
46.000	12.553	12.553	12.553	12.553	12.553
46.250	12.553	12.553	12.553	12.553	12.553
46.500	12.553	12.553	12.553	12.553	12.553
46.750	12.553	12.553	12.553	12.553	12.553
47.000	12.553	12.553	12.553	12.553	12.553
47.250	12.553	12.553	12.553	12.553	12.553
47.500	12.553	12.553	12.553	12.553	12.553
47.750	12.553	12.553	12.553	12.553	12.553
48.000	12.553	12.545	12.530	12.516	12.502
48.250	12.488	12.474	12.461	12.448	12.435
48.500	12.422	12.410	12.397	12.386	12.374
48.750	12.362	12.351	12.340	12.329	12.319
49.000	12.308	12.298	12.288	12.278	12.269
49.250	12.259	12.250	12.241	12.232	12.223
49.500	12.215	12.206	12.198	12.190	12.182
49.750	12.174	12.167	12.159	12.152	12.145
50.000	12.138	12.131	12.124	12.117	12.111
50.250	12.104	12.098	12.092	12.086	12.080
50.500	12.074	12.068	12.063	12.057	12.052
50.750	12.047	12.041	12.036	12.031	12.026
51.000	12.022	12.017	12.012	12.008	12.003
51.250	11.999	11.995	11.990	11.986	11.982
51.500	11.978	11.974	11.971	11.967	11.963
51.750	11.960	11.956	11.953	11.949	11.946
52.000	11.943	11.939	11.936	11.933	11.930
52.250	11.927	11.924	11.921	11.918	11.916
52.500	11.913	11.910	11.908	11.905	11.903
52.750	11.900	11.898	11.895	11.893	11.891
53.000	11.889	11.886	11.884	11.882	11.880
53.250	11.878	11.876	11.874	11.872	11.870
53.500	11.868	11.867	11.865	11.863	11.861
53.750	11.860	11.858	11.856	11.855	11.853
54.000	11.852	11.850	11.849	11.847	11.846
54.250	11.845	11.843	11.842	11.841	11.839
54.500	11.838	11.837	11.836	11.834	11.833
54.750	11.832	11.831	11.830	11.829	11.828
55.000	11.827	11.826	11.825	11.824	11.823
55.250	11.822	11.821	11.820	11.819	11.818
55.500	11.817	11.816	11.815	11.815	11.814
55.750	11.813	11.812	11.812	11.811	11.810
56.000	11.809	11.809	11.808	11.807	11.807

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
56.250	11.806	11.805	11.805	11.804	11.804
56.500	11.803	11.802	11.802	11.801	11.801
56.750	11.800	11.800	11.799	11.799	11.798
57.000	11.798	11.797	11.797	11.796	11.796
57.250	11.795	11.795	11.794	11.794	11.794
57.500	11.793	11.793	11.792	11.792	11.792
57.750	11.791	11.791	11.791	11.790	11.790
58.000	11.790	11.789	11.789	11.789	11.788
58.250	11.788	11.788	11.787	11.787	11.787
58.500	11.787	11.786	11.786	11.786	11.785
58.750	11.785	11.785	11.785	11.784	11.784
59.000	11.784	11.784	11.784	11.783	11.783
59.250	11.783	11.783	11.783	11.782	11.782
59.500	11.782	11.782	11.782	11.781	11.781
59.750	11.781	11.781	11.781	11.781	11.780
60.000	11.780	11.780	11.780	11.780	11.780
60.250	11.779	11.779	11.779	11.779	11.779
60.500	11.779	11.779	11.779	11.778	11.778
60.750	11.778	11.778	11.778	11.778	11.778
61.000	11.778	11.778	11.777	11.777	11.777
61.250	11.777	11.777	11.777	11.777	11.777
61.500	11.777	11.777	11.777	11.776	11.776
61.750	11.776	11.776	11.776	11.776	11.776
62.000	11.776	11.776	11.776	11.776	11.776
62.250	11.776	11.775	11.775	11.775	11.775
62.500	11.775	11.775	11.775	11.775	11.775
62.750	11.775	11.775	11.775	11.775	11.775
63.000	11.775	11.775	11.775	11.775	11.774
63.250	11.774	11.774	11.774	11.774	11.774
63.500	11.774	11.774	11.774	11.774	11.774
63.750	11.774	11.774	11.774	11.774	11.774
64.000	11.774	11.774	11.774	11.774	11.774
64.250	11.774	11.774	11.774	11.774	11.774
64.500	11.774	11.774	11.773	11.773	11.773
64.750	11.773	11.773	11.773	11.773	11.773
65.000	11.773	11.773	11.773	11.773	11.773
65.250	11.773	11.773	11.773	11.773	11.773
65.500	11.773	11.773	11.773	11.773	11.773
65.750	11.773	11.773	11.773	11.773	11.773
66.000	11.773	11.773	11.773	11.772	11.772
66.250	11.772	11.772	11.772	11.772	11.772
66.500	11.772	11.772	11.772	11.772	11.772
66.750	11.772	11.772	11.772	11.772	11.772
67.000	11.772	11.772	11.772	11.772	11.772
67.250	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
67.500	11.772	11.772	11.772	11.772	11.772
67.750	11.772	11.772	11.772	11.772	11.772
68.000	11.772	11.772	11.772	11.772	11.772
68.250	11.772	11.772	11.772	11.772	11.772
68.500	11.772	11.772	11.772	11.772	11.772
68.750	11.772	11.772	11.772	11.772	11.772
69.000	11.772	11.772	11.772	11.772	11.772
69.250	11.772	11.772	11.772	11.772	11.772
69.500	11.772	11.772	11.772	11.772	11.772
69.750	11.772	11.772	11.772	11.772	11.772
70.000	11.772	11.772	11.772	11.772	11.772
70.250	11.772	11.772	11.772	11.772	11.772
70.500	11.772	11.772	11.772	11.772	11.772
70.750	11.772	11.772	11.772	11.772	11.772
71.000	11.772	11.772	11.772	11.772	11.772
71.250	11.772	11.772	11.772	11.772	11.772
71.500	11.772	11.772	11.772	11.772	11.772
71.750	11.772	11.772	11.772	11.772	11.772
72.000	11.772	11.772	11.772	11.772	11.772
72.250	11.772	11.772	11.772	11.772	11.772
72.500	11.772	11.772	11.772	11.772	11.772
72.750	11.772	11.772	11.772	11.772	11.772
73.000	11.772	11.772	11.772	11.772	11.772
73.250	11.772	11.772	11.772	11.772	11.772
73.500	11.772	11.772	11.772	11.772	11.772
73.750	11.772	11.772	11.772	11.772	11.772
74.000	11.772	11.772	11.772	11.772	11.772
74.250	11.772	11.772	11.772	11.772	11.772
74.500	11.772	11.772	11.772	11.772	11.772
74.750	11.772	11.772	11.772	11.772	11.772
75.000	11.772	11.772	11.772	11.772	11.772
75.250	11.772	11.772	11.772	11.772	11.772
75.500	11.772	11.772	11.772	11.772	11.772
75.750	11.772	11.772	11.772	11.772	11.772
76.000	11.772	11.772	11.772	11.772	11.772
76.250	11.772	11.772	11.772	11.772	11.772
76.500	11.772	11.772	11.772	11.772	11.772
76.750	11.772	11.772	11.772	11.772	11.772
77.000	11.772	11.772	11.772	11.772	11.772
77.250	11.772	11.772	11.772	11.772	11.772
77.500	11.772	11.772	11.772	11.772	11.772
77.750	11.772	11.772	11.772	11.772	11.772
78.000	11.772	11.772	11.772	11.772	11.772
78.250	11.772	11.772	11.772	11.772	11.772
78.500	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
78.750	11.772	11.772	11.772	11.772	11.772
79.000	11.772	11.772	11.772	11.772	11.772
79.250	11.772	11.772	11.772	11.772	11.772
79.500	11.772	11.772	11.772	11.772	11.772
79.750	11.772	11.772	11.772	11.772	11.772
80.000	11.772	11.772	11.772	11.772	11.772
80.250	11.772	11.772	11.772	11.772	11.772
80.500	11.772	11.772	11.772	11.772	11.772
80.750	11.772	11.772	11.772	11.772	11.772
81.000	11.772	11.772	11.772	11.772	11.772
81.250	11.772	11.772	11.772	11.772	11.772
81.500	11.772	11.772	11.772	11.772	11.772
81.750	11.772	11.772	11.772	11.772	11.772
82.000	11.772	11.772	11.772	11.772	11.772
82.250	11.772	11.772	11.772	11.772	11.772
82.500	11.772	11.772	11.772	11.772	11.772
82.750	11.772	11.772	11.772	11.772	11.772
83.000	11.772	11.772	11.772	11.772	11.772
83.250	11.772	11.772	11.772	11.772	11.772
83.500	11.772	11.772	11.772	11.772	11.772
83.750	11.772	11.772	11.772	11.772	11.772
84.000	11.772	11.772	11.772	11.772	11.772
84.250	11.772	11.772	11.772	11.772	11.772
84.500	11.772	11.772	11.772	11.772	11.772
84.750	11.772	11.772	11.772	11.772	11.772
85.000	11.772	11.772	11.772	11.772	11.772
85.250	11.772	11.772	11.772	11.772	11.772
85.500	11.772	11.772	11.772	11.772	11.772
85.750	11.772	11.772	11.772	11.772	11.772
86.000	11.772	11.772	11.772	11.772	11.772
86.250	11.772	11.772	11.772	11.772	11.772
86.500	11.772	11.772	11.772	11.772	11.772
86.750	11.772	11.772	11.772	11.772	11.772
87.000	11.772	11.772	11.772	11.772	11.772
87.250	11.772	11.772	11.772	11.772	11.772
87.500	11.772	11.772	11.772	11.772	11.772
87.750	11.772	11.772	11.772	11.772	11.772
88.000	11.772	11.772	11.772	11.772	11.772
88.250	11.772	11.772	11.772	11.772	11.772
88.500	11.772	11.772	11.772	11.772	11.772
88.750	11.772	11.772	11.772	11.772	11.772
89.000	11.772	11.772	11.772	11.772	11.772
89.250	11.772	11.772	11.772	11.772	11.772
89.500	11.772	11.772	11.772	11.772	11.772
89.750	11.772	11.772	11.772	11.772	11.772

BRE911312B WETLAND

Subsection: Time vs. Volume

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Time vs. Volume (ac-ft)

Output Time increment = 0.050 hours

Time on left represents time for first value in each row.

Time (hours)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)	Volume (ac-ft)
90.000	11.772	11.772	11.772	11.772	11.772
90.250	11.772	11.772	11.772	11.772	11.772
90.500	11.772	11.772	11.772	11.772	11.772
90.750	11.772	11.772	11.772	11.772	11.772
91.000	11.772	11.772	11.772	11.772	11.772
91.250	11.772	11.772	11.772	11.772	11.772
91.500	11.772	11.772	11.772	11.772	11.772
91.750	11.772	11.772	11.772	11.772	11.772
92.000	11.772	11.772	11.772	11.772	11.772
92.250	11.772	11.772	11.772	11.772	11.772
92.500	11.772	11.772	11.772	11.772	11.772
92.750	11.772	11.772	11.772	11.772	11.772
93.000	11.772	11.772	11.772	11.772	11.772
93.250	11.772	11.772	11.772	11.772	11.772
93.500	11.772	11.772	11.772	11.772	11.772
93.750	11.772	11.772	11.772	11.772	11.772
94.000	11.772	11.772	11.772	11.772	11.772
94.250	11.772	11.772	11.772	11.772	11.772
94.500	11.772	11.772	11.772	11.772	11.772
94.750	11.772	11.772	11.772	11.772	11.772
95.000	11.772	11.772	11.772	11.772	11.772
95.250	11.772	11.772	11.772	11.772	11.772
95.500	11.772	11.772	11.772	11.772	11.772
95.750	11.772	11.772	11.772	11.772	11.772
96.000	11.772	(N/A)	(N/A)	(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Elevation-Area Volume Curve

Return Event: 5 years

Label: WetlandPool

Storm Event: 5 year

Scenario: Post-Development 5 year

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr(A1*A 2) (acres)	Volume (ac-ft)
950.90	0.0	0.0	0.0	0.000
953.00	0.0	0.1	0.2	0.125
953.50	0.0	0.7	1.1	0.186
954.00	0.0	2.7	4.9	0.812
954.50	0.0	3.6	9.5	1.582
955.00	0.0	5.6	13.8	2.297
956.00	0.0	8.0	20.3	6.772
957.00	0.0	11.5	29.0	9.674
958.25	0.0	13.0	36.8	15.317

Volume (Total) (ac-ft)
0.000
0.125
0.311
1.122
2.704
5.000
11.772
21.446
36.763

BRE911312B WETLAND

Subsection: Volume Equations

Label: WetlandPool

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Pond Volume Equations

*** Incremental volume computed by the Conic Method for Reservoir Volumes.**

$$\text{Volume} = (1/3) * (\text{EL2} - \text{EL1}) * (\text{Area1} + \text{Area2} + \text{sqr}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 Lower and upper elevations of the increment
 Area1, Area2 Areas computed for EL1, EL2, respectively
 Volume Incremental volume between EL1 and EL2

BRE911312B WETLAND

Subsection: Elevation-Area Volume Curve

Return Event: 25 years

Label: WetlandPool

Storm Event: 25 year

Scenario: Post-Development 25 year

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr(A1*A 2) (acres)	Volume (ac-ft)
950.90	0.0	0.0	0.0	0.000
953.00	0.0	0.1	0.2	0.125
953.50	0.0	0.7	1.1	0.186
954.00	0.0	2.7	4.9	0.812
954.50	0.0	3.6	9.5	1.582
955.00	0.0	5.6	13.8	2.297
956.00	0.0	8.0	20.3	6.772
957.00	0.0	11.5	29.0	9.674
958.25	0.0	13.0	36.8	15.317

Volume (Total)
(ac-ft)

0.000
0.125
0.311
1.122
2.704
5.000
11.772
21.446
36.763

BRE911312B WETLAND

Subsection: Elevation-Area Volume Curve

Return Event: 100 years

Label: WetlandPool

Storm Event: 100 year

Scenario: Post-Development 100 year

Elevation (ft)	Planimeter (ft ²)	Area (acres)	A1+A2+sqr(A1*A 2) (acres)	Volume (ac-ft)
950.90	0.0	0.0	0.0	0.000
953.00	0.0	0.1	0.2	0.125
953.50	0.0	0.7	1.1	0.186
954.00	0.0	2.7	4.9	0.812
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958.25	0.0	13.0	36.8	15.317

Volume (Total)
(ac-ft)

0.000
0.125
0.311
1.122
2.704
5.000
11.772
21.446
36.763

BRE911312B WETLAND

Subsection: Outlet Input Data

Label: Sheet Pile

Scenario: Post-Development 5 year

Return Event: 5 years

Storm Event: 5 year

Requested Pond Water Surface Elevations

Minimum (Headwater)	950.90 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	958.25 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	956.00	958.25
Tailwater Settings	Tailwater			(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Outlet Input Data

Label: Sheet Pile

Scenario: Post-Development 25 year

Return Event: 25 years

Storm Event: 25 year

Requested Pond Water Surface Elevations

Minimum (Headwater)	950.90 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	958.25 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	956.00	958.25
Tailwater Settings	Tailwater			(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Outlet Input Data

Label: Sheet Pile

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

Requested Pond Water Surface Elevations

Minimum (Headwater)	950.90 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	958.25 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Irregular Weir	Weir - 1	Forward	TW	956.00	958.25
Tailwater Settings	Tailwater			(N/A)	(N/A)

BRE911312B WETLAND

Subsection: Outlet Input Data

Label: Sheet Pile

Scenario: Post-Development 100 year

Return Event: 100 years

Storm Event: 100 year

Structure ID: Weir - 1

Structure Type: Irregular Weir

Station (ft)	Elevation (ft)
0.00	958.25
1.00	958.00
7.00	956.00
27.00	956.00
33.00	958.00
34.00	958.25

Lowest Elevation 956.00 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

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