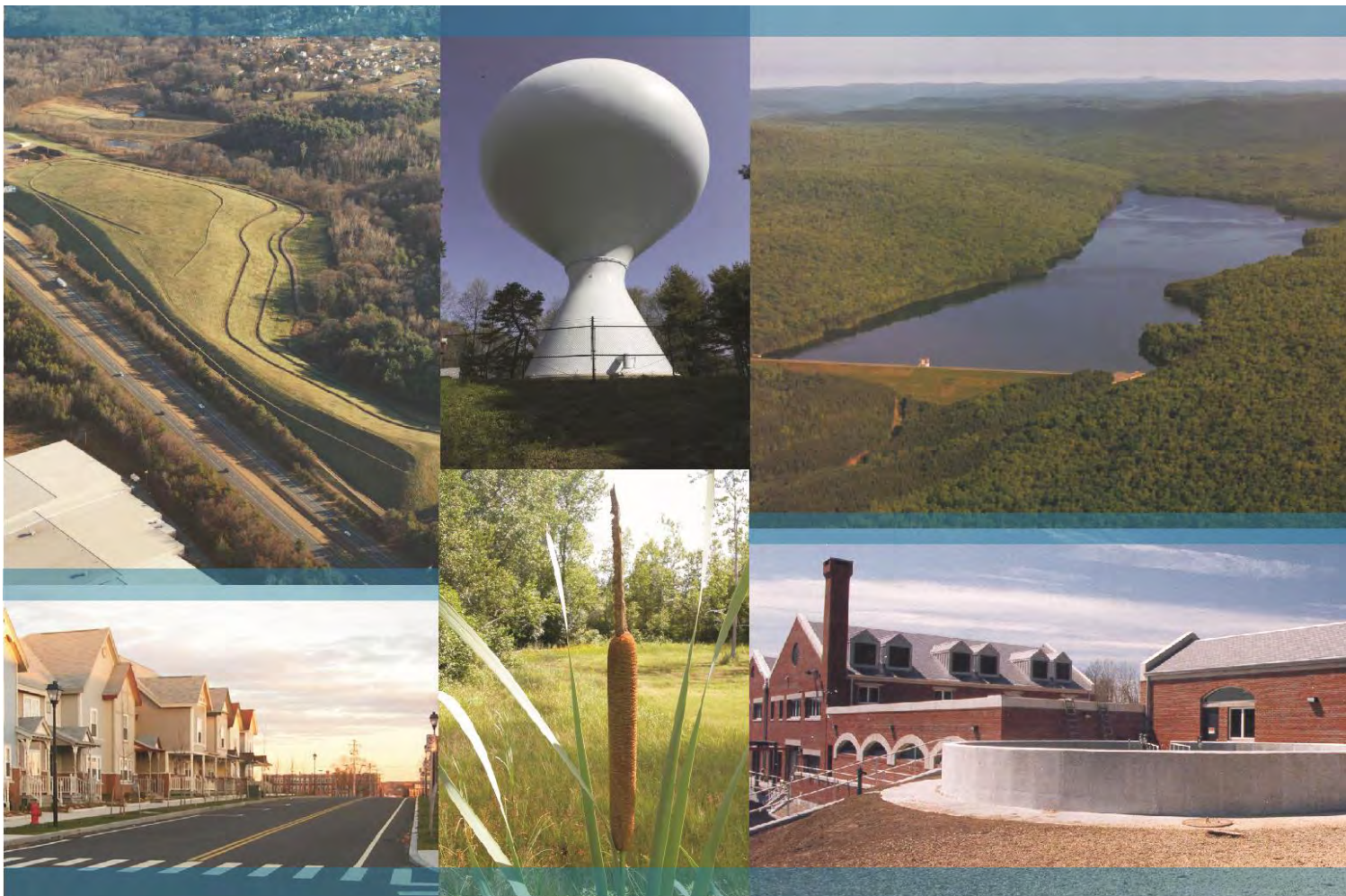




Tighe & Bond

Tuscan Village
Salem, New Hampshire

Hydrologic and Hydraulic Analysis Report

Tuscan Village Floodplain Improvements

Prepared For:

OMJ Realty
Salem, New Hampshire
September 12, 2017

Executive Summary

This Tuscan Village Floodplain Improvement Report details the hydrologic and hydraulic analysis completed as part of the Tuscan Village Redevelopment Project, and evaluates potential future offsite improvements that could help mitigate flooding in Salem, New Hampshire. OMJ Reality has acquired the rights to develop the property formerly known as the Rockingham Park Racetrack Property (Tuscan Village redevelopment area) and the proposed redevelopment area will be a mixed-use area that will include housing, retail, and commercial uses. The Tuscan Village Redevelopment Project will also include improvements to the existing stormwater infrastructure, including upsizing of critical culverts.

The hydrologic analysis was performed using the computer modeling software HEC-HMS following Natural Resources Conservation Service (NRCS) TR-55 and TR-20 methodology. The model was calibrated using a precipitation event on April 16, 2007 by means of peak flow data from two USGS stream gages. The hydraulic analysis was performed using the computer modeling software HEC-RAS and was developed using survey data by MHF Design Consultants, Inc., and LiDAR data available from New Hampshire's Statewide Geographic Information Systems Clearinghouse (NH GRANIT). The existing and proposed conditions were analyzed, and the Tuscan Village Redevelopment Project is anticipated to reduce the frequency of flooding at Pleasant Street, Rockingham Park Boulevard, and South Broadway (Route 28) due to the upsizing and relocation of the existing culvert at Pleasant Street and the creation of new floodplain and floodways onsite along Policy Brook.

Additional potential future offsite improvements that could help further mitigate flooding upstream and downstream of the project site were also investigated. Potential offsite improvements were evaluated at Main Street (Route 97), South Broadway (Route 28), the Railroad Bridge (downstream of Route 28), Cluff Crossing Road, and Kelly Road. The hydraulic effects of these potential changes were evaluated. Based on this analysis additional offsite improvements could be made so that South Broadway (Route 28) and Main Street (Route 97) can pass the 50-year storm event without overtopping. Opinions of Probable Costs were prepared for the design alternatives to assist the Town in developing future capital improvement projects.

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Section 1

Background

OMJ Reality has acquired the rights to develop the property formerly known as the Rockingham Park Racetrack Property (Tuscan Village redevelopment area). The site is located northwest of the intersection of South Broadway Street (Route 28) and Rockingham Park Boulevard in Salem, New Hampshire. Figure 1-1 shows the locations of culverts upstream, within, and downstream of the study area, the proposed site development area, and the existing stream locations. The proposed redevelopment area will be a mixed-use area that will include housing, retail, and commercial uses.

The Town has observed flooding under existing conditions at South Broadway Street (Route 28), Main Street (Route 97) and Pleasant Street due in part to undersized culverts and indirect hydraulic connections. As part of the Tuscan Village Redevelopment Project proposed culverts were designed for the 50-year storm event as required by the Town of Salem. The proposed design includes:

- Daylighting and redirecting the two 48-inch diameter culverts (Culvert A and Culvert B) that direct flow from the West Channel of Policy Brook to just downstream of the railroad.
- A new culvert from Pleasant Street to a proposed pond that drains to a new stream channel that will flow into Policy Brook.
- A new open bottom culvert downstream of the proposed pond.
- A restoration of Policy Brook downstream of the railroad crossing that will include an excavated meandering channel.
- Daylighting/removing the 60-inch diameter Rockingham Park culvert and construction of a new open bottom culvert.
- Removing sediment that has built up within the existing Rockingham Park Boulevard culvert.



Legend

- ★ Culvert Location
- Proposed Redevelopment Area
- Proposed Pond
- Existing Streams
- Proposed Streams

Tighe & Bond
Engineers / Environmental Specialists

Transportation data developed by Esri using Esri highway data; DeLorme basemap layers; HERE street data for North America. For more information on this map, including our terms of use, visit us online at http://go.to.arcgisonline.com/maps/Reference/World_Transportation

0 600 1,200
Feet

North Arrow

FIGURE 1-1
SITE MAP

Tuscan Village Floodplain
Improvement
Salem, New Hampshire

August 2017

Section 2

Data Collection and Development

2.1 Detailed Field Survey

MHF Design Consultants, Inc. performed several detailed field surveys as part of the proposed redevelopment of Rockingham Park which were conducted under the supervision of a registered professional land surveyor. The survey was performed using a total station and the vertical datum of the survey was the North American Geodetic Vertical Datum of 1929 (NGVD29). Photographs were taken at culverts and bridges, and design plans were investigated where access constraints limited the effectiveness of field survey.

2.2 Effective FEMA Data

Tighe & Bond acquired the Rockingham County New Hampshire Flood Insurance Study (FIS) effective May 17, 2005, and associated Flood Insurance Rate Map (FIRM) panels. The study area includes FIRM map number 33015C0563E (Panel 563 of 681) and 33015C0563E (Panel 563 of 681). The study area includes Detailed Study Areas (portions of Policy Brook and the Unnamed Tributary to Policy Brook), Limited Detail Study Areas (portions of West Channel of Policy Brook), and approximate study areas (Policy Brook from the existing Rockingham Park Culvert to the South). All elevations were provided in NGVD29.

The hydraulic analysis for the Detailed Study Areas of Policy Brook and Unnamed Brook were completed in July 1977 by the U.S. Army Corps of Engineers (USACE) using the model HEC-2. A printout of this model was acquired from FEMA along with hand calculations dated June 1977. The hydraulic analysis for the West Channel of Policy Brook was completed in September 1995 and was prepared by the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) using the Soil Conservation Service (SCS) Water Surface Profile Model WSP2 (WSP2). HEC-2 is a predecessor of HEC-RAS that is no longer supported by the USACE, and WSP2 is no longer supported by the NRCS. FEMA includes both models on their list of currently unacceptable models. These models were reviewed as part of this study, but because of their status as currently unacceptable models by FEMA they were not used as part of the updated HEC-RAS analysis.

2.3 Development of Digital Elevation Model

A Digital Elevation Model (DEM) derived from LiDAR is available from New Hampshire's Statewide Geographic Information Systems (GIS) Clearinghouse, NH GRANIT. The Coastal New Hampshire 2011 data was completed as part of the North East Project that was primarily funded by the American Recover and Refinement Act (ARRA) of 2009 using the North American Datum of 1983 (NAD83) horizontal projection and the North American Vertical Datum of 1988 (NAVD88). The DEM resolution is 2 meters with a vertical root-mean-square deviation accuracy of 15 centimeters. The DEM for the study area was acquired from NH GRANIT and was re-projected to the NAD83 New Hampshire State Plane FIPS 2800 and was converted to feet. The vertical datum was also converted from NAVD88 to NGVD29 for consistency with the field survey, and effective FEMA data (e.g., models, FIRM, profiles, and FIS tables).

Section 3

Hydrologic Analysis

3.1 Methodology

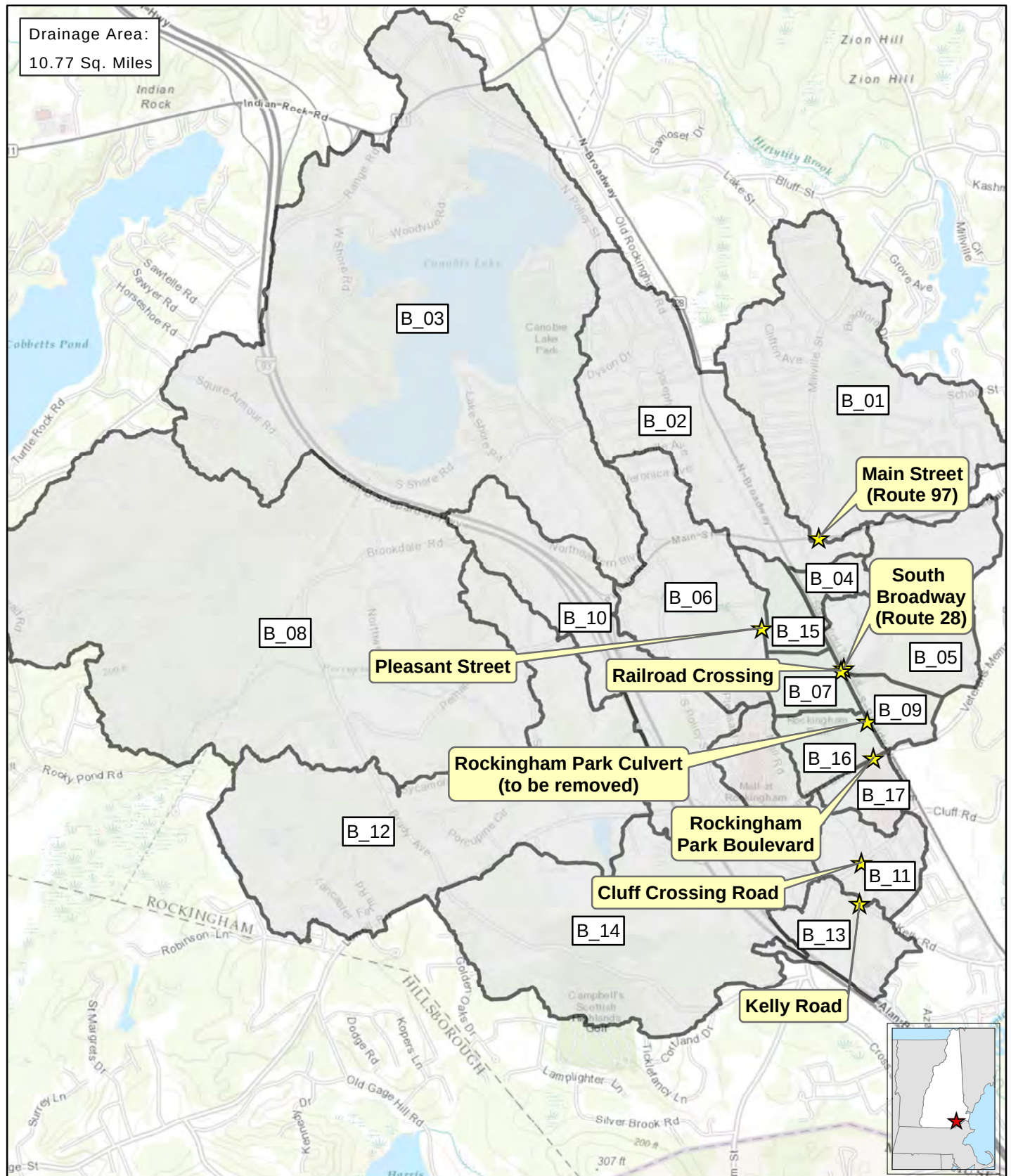
The hydrologic model was developed using HEC-HMS 4.1 (USACE, 2013) to compute the design flows for culvert design. The drainage area and 17 sub-basins were delineated from the NH GRANIT DEM using ArcGIS hydrology tools. Figure 3-1 shows the drainage area and the delineated sub-basins. The Runoff Curve Number (CN) methodology was used to estimate rainfall infiltration losses using Land Use and Soils Data to estimate a CN following TR-20 and TR-55 methodology. Land Use data from NH GRANIT for Rockingham County (1998) was used to represent land use conditions, and were checked using orthographic satellite imagery from 2013 from NH GRANIT to verify that there were no major changes in land use. The NRCS soil survey geographic database was used to obtain soil data for the study area. The model includes 12 reaches that route flow through stream channels to incorporate stream travel time and storage into the hydrologic analysis.

The time of concentration is the time it takes for runoff to travel from the most hydraulically distant point of a watershed to a point of interest. The time of concentrations were calculated for each sub-basin by adding the travel times for sheet flow, shallow concentrated flow, and channel flow. The storage areas upstream of the culverts crossing South Broadway (Route 28), Pleasant Street, Rockingham Park Boulevard, Cluff Crossing Road, and Kelly Road were calculated using ArcGIS tools. These storage areas were included in HEC-HMS along with the culvert geometry to incorporate the complex stage-storage relationships at these locations. Changes in these culverts between existing and proposed conditions were incorporated into the HEC-HMS model.

The 24-hour precipitation for the 2-, 10-, 25-, 50-, and 100-year frequency storms were estimated using the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 point precipitation frequency tool. Table 3-1 provides the precipitation amounts used for the various storms analyzed. The Type III SCS synthetic 24-hour rainfall distribution was used for this analysis and it is a widely accepted conservative estimate for precipitation distribution suitable for stormwater design.

Table 3-1
24-hr Precipitation Values Used in H&H Analysis

Storm Return Frequency	Precipitation Values
2-year	3.11
10-year	4.90
25-year	6.02
50-year	6.88
100-year	7.75



Drainage Area:
10.77 Sq. Miles

Legend



Culvert Location



Drainage Areas (label indicated HEC-HMS ID)

Tighe & Bond
Engineers | Environmental Specialists

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

0 1,500 3,000
Feet



FIGURE 3-1
DRAINAGE AREA MAP
Tuscan Village Floodplain
Improvement
Salem, New Hampshire

August 2017

3.2 Calibration

The hydrologic model was calibrated using two USGS stream gages along Policy Brook that were both operational for a precipitation event on April 16, 2007 (neither are currently operational and there was a short window of overlap between the two gages). The first stream gage was located at Rockingham Park Boulevard (USGS 01100549), with data from June 2006 to September 2007, and the second was located at the Interstate Route 93 rest stop entrance ramp (USGS 011005605) with peak streamflow data from May 2006 to March 2008. Rainfall data was recorded at National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information (NCEI) gages at Nashua, NH and Lawrence, MA. Figure 3-2 shows the recorded hourly rainfall at both gages during the precipitation event. Based on the similarity in the two distributions it was assumed that the overall rainfall distribution from Lawrence, MA to Nashua, NH was consistent. Inverse distance precipitation weighting was used to estimate the magnitude of precipitation at the site using the distribution measured at Lawrence, MA.

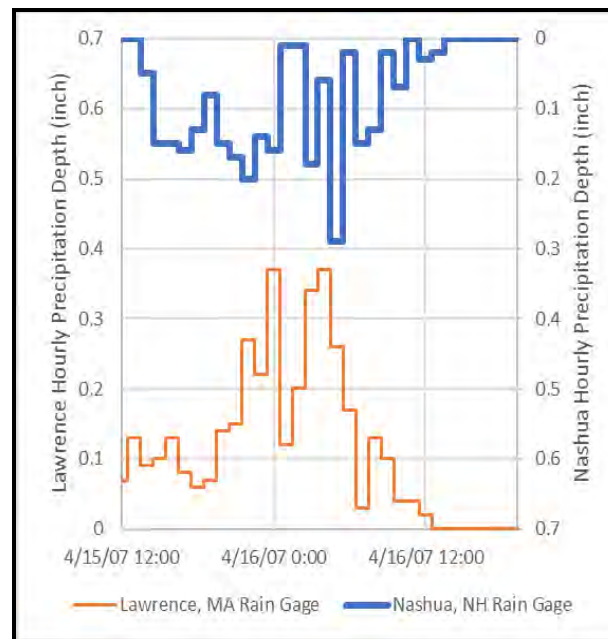


FIGURE 3-2

Hourly precipitation depth measured at Lawrence, MA and Nashua, NH during April 2007 Precipitation Event

The computed rainfall data was input into HEC-HMS and the computed model values were compared with the observed peak flows from the USGS stream gages. The model was calibrated by scaling the hydrologic input parameters so the modeled conditions more closely matched the observed conditions. Table 3-2 provides the calibrated CN and lag times.

Table 3-2

Calibrated Hydrologic Parameters

Basin	Area (square miles)	Curve Number	Lag time (minutes)
B_01	0.90	48.5	52.4
B_02	0.60	53.2	35.6
B_03	2.51	53.5	63.8
B_04	0.05	53.3	31.6
B_05	0.40	47.9	59.7
B_06	0.43	49.8	37.2
B_07	0.08	62.5	31.8
B_08	2.36	61.1	75.4
B_09	0.08	53.0	34.8
B_10	0.53	66.6	74.0
B_11	0.15	63.2	16.1
B_12	1.15	64.3	84.8
B_13	0.17	62.1	29.7
B_14	1.10	62.6	85.5
B_15	0.08	61.0	33.1
B_16	0.11	62.6	22.9
B_17	0.07	72.2	31.9

Section 4

Hydraulic Analysis

4.1 Existing Conditions

The hydraulic analysis was performed using the computer modeling software HEC-RAS. Tighe & Bond created a HEC-RAS model that included the West Channel of Policy Brook from South Policy Street to the confluence with Policy Brook; Policy Brook from the confluence with the Unnamed Tributary to Policy Brook to approximately 3,000 feet downstream of Kelly Street; and the Unnamed Tributary to Policy Brook from the confluence with Policy Brook to approximately 1,000 feet upstream of Main Street (Route 97). The principal input for the hydraulic model are geometric cross sections of the stream and bank areas, structure geometry, Manning's roughness coefficient ("n"), and the peak flows (calculated in HEC-HMS).

The HEC-GeoRAS tool was used to develop cross section geometry and structure locations in a GIS environment. Approximately 60 cross sections and 10 culverts were included in the HEC-GeoRAS tool. HEC-GeoRAS extracts elevation data from the DEM transforming the cross sections (with x and y coordinates but no elevations) to cross sections that can be used in HEC-RAS (with x and y coordinates with elevations).

The HEC-GeoRAS results were imported to HEC-RAS to create a spatially referenced hydraulic model. The model uses Manning's equation and internal boundary equations to represent flow through structures, such as bridges, to estimate the water surface elevations along a stream reach. The Manning's n values for the channel and overbank areas were estimated based on the effective FEMA models, field observations, and satellite orthographic imagery. The Manning's "n" values for the channel ranged from 0.035 to 0.05 and the overbank Manning's "n" values ranged from 0.03 to 0.1. These channel Manning's "n" values fall within the range specified in the FEMA FIS, while the overbank Manning's "n" values provide more detail (the FEMA study assumed all overbank Manning's "n" values were approximately 0.1).

The hydraulic control structure information measured during the site survey was used to define the geometry of the bridges in HEC-RAS. The information included defining bridge openings (e.g., inverts, widths, and heights), and culvert properties (e.g., size and material). The DEM used for this study did not provide elevations below the water surface of the streams. Therefore, the channel bottom elevations were estimated at structures based on the field survey measurements. These channel bottom elevations were used to interpolate the channel bottom elevations where data was available.

A normal boundary condition was used as the Policy Brook downstream model extents based on the stream slope. This boundary condition is over 3,000 feet downstream of Kelly Road. The Spicket River Dam at Lowell Street in Methuen, MA is the first large dam located downstream of the study area. This dam is located over 1 mile downstream of the study area and is not anticipated to impact flows onsite.

4.2 Proposed Conditions

The proposed Tuscan Village Redevelopment Project design (proposed design) includes redirecting the West Channel of Policy Brook to a proposed pond southeast of Pleasant Street that flows southeast to Policy Brook. Under existing conditions, the majority of

this flow enters two culverts ("Culvert A" and "Culvert B" in the FIS) that drain to Policy Brook downstream of the railroad crossing. A stream restoration is proposed along Policy Brook from the railroad crossing to Rockingham Park Boulevard implementing a meandering channel and removing the existing 60-inch diameter Rockingham Park Culvert and replacing it with a channel and open bottom culvert. The proposed channel thalweg is approximately 8 feet wide at the bottom, 16 feet wide at the top, and 2 feet deep and the proposed culvert span is 22 feet wide and 6 feet tall increasing conveyance and storage in the area. Sediment that has accumulated at the existing Rockingham Park Boulevard culvert is also proposed to be removed. Another open bottom culvert is proposed on the newly directed West Channel of Policy Brook, with a proposed culvert span of 18 feet, and a proposed height of 6 feet. The two proposed onsite open bottom culverts were designed to pass the computed 100-year flows.

The proposed hydraulic design will primarily require excavation along the riverine areas with minor filling as required to tie into high ground. A proposed conditions DEM was created by overlaying the proposed design elevations over the DEM from NH GRANIT.

The existing conditions HEC-RAS model was updated to reflect the proposed conditions. These updates included adding approximately 20 cross sections to represent the redirected West Channel of Policy Brook.

4.3 Alternatives for Additional Hydraulic Improvements

As part of this study Tighe & Bond considered potential offsite future improvements that would mitigate flooding upstream and downstream of the project site. Table 4-1 describes the existing conditions of the offsite culverts that were included in this analysis. Two potential culvert improvement scenarios were included as part of the preliminary floodplain improvement memo provided to the Town of Salem by Tighe & Bond on December 22, 2016. The first included potential modifications to Cluff Crossing Road and Kelley Road that is included in this report as Scenario "A". The second scenario involved increasing the size of the South Broadway (Route 28) and Railroad Culverts, while also raising the minimum road elevation of South Broadway (Route 28) by approximately 1 foot, that is included in this report as Scenario "B". The Town requested that a scenario be run based on Scenario "B" without increasing the road elevation of South Broadway (Route 28), and without making any changes to South Broadway (Route 28) (i.e. only increasing the size of the railroad culvert crossing). These two potential improvement scenarios are included in this report as Scenario "C" and Scenario "D", respectively, and increased the size of the culverts compared to Scenario "B". Table 4-2 describes each of the four scenarios. Additional scenarios were also run by increasing the size of the Main Street culvert for the proposed conditions, and each of the four scenarios described. In total, nine potential improvement alternative scenarios were modeled as part of this study.

TABLE 4-1

Geometry of Existing Culverts Located Outside of Tuscan Village Improvement Area

Location	Approximate Existing Minimum Elevation to Overtop Road (NGVD29)	Existing Conditions	
		Type	Dimensions
Main Street (Route 97)	127.5	Dual Corrugated Metal Pipe Culverts	3.3' x 2.2'
S. Broadway (Route 28)	125.6	Concrete Box Culvert	5' x 5'
Railroad Bridge	125.7	Concrete Box Culvert	5' x 5'
Cluff Crossing Road	122.8	Concrete Box Culvert	8' x 12'
Kelly Road	117.3	Concrete Box Culvert	7' x 15'

TABLE 4-2

Potential Culvert Improvement Scenarios

Location	Potential Culvert Improvement Scenario ¹			
	Scenario "A"	Scenario "B"	Scenario "C"	Scenario "D"
S. Broadway (Route 28)	No Modifications	5' x 10' Box Culvert and raise minimum road elevation by 1'	5' x 20' Box Culvert	No Modifications
Railroad Bridge	No Modifications	5' x 10' Box Culvert	5' x 20' Box Culvert	5' x 20' Box Culvert
Cluff Crossing Road	8' x 20' Box Culvert	No Modifications	No Modifications	No Modifications
Kelly Road	8' x 25' Box Culvert and raise minimum road elevation by 1.5'	No Modifications	No Modifications	No Modifications

¹ Additional scenarios were also run by replacing the Main Street culvert with a 3' x 12' box culvert for the proposed conditions, and each of the four scenarios described.

Section 5

Results

5.1 Existing and Proposed Conditions

The existing and proposed conditions HEC-HMS and HEC-RAS models are included as part of the Appendix A digital submittal. The model results are also available in Appendix B and Appendix C, respectively.

The existing culverts studied as part of this study are not anticipated to pass the 50-year storm event without overtopping. Table 5-1 provides a summary of the computed water surface elevations upstream of the studied culverts for existing conditions. The color coding used for this table and throughout this report is as follows:

- Red: the road is anticipated to overtop.
- Blue: the road is not anticipated to overtop but is anticipated to have less than 1 foot of freeboard.
- Green: the road is not anticipated to overtop and is anticipated to have at least 1 foot of freeboard.

TABLE 5-1
Upstream Water Surface Elevations for Existing Conditions

Location	Approx. Min. Elevation to Overtop Road	Upstream Water Surface Elevations ⁴ (NGVD29)				
		2-year	10-year	25-year	50-year	100-year
Main Street (Route 97) ¹	127.5	124.1	128.0	128.1	128.3	128.5
Pleasant Street ²	130.3	127.0	130.6	130.9	131.1	131.1
South Broadway (Route 28) ³	125.6	123.3	125.8	126.4	127.0	127.4
Railroad Bridge ³	125.7	123.2	125.3	126.4	127.0	127.4
Rockingham Park Boulevard ³	126.5	120.2	121.4	123.6	126.7	126.7
Cluff Crossing Road ³	122.8	116.3	120.4	122.5	124.1	124.6
Kelley Road ³	117.3	114.1	116.7	118.0	118.8	119.8

¹ Located on Unnamed Brook (a tributary to Policy Branch)

² Located on West Channel Policy Brook

³ Located on Policy Brook

⁴ Red shading indicates the road is anticipated to overtop, blue indicates that the road is not anticipated to overtop with less than 1 foot of freeboard, and green indicates that the road is not anticipated to overtop with at least 1 foot of freeboard.

The proposed design is anticipated to lower the water surface elevations for most of the study area, and prevent Pleasant Street and Rockingham Park Boulevard from overtopping during a 50-year storm event. Figure 5-1 shows the proposed HEC-RAS cross sections for the study area with the anticipated 50-year water surface elevations. Table 5-2 provides a summary of the computed water surface elevations upstream of the studied culverts for proposed conditions, and Table 5-3 provides a comparison between existing and proposed conditions for the design storm. The most drastic improvements are anticipated to occur at Pleasant Street and South Broadway (Route

28) which both are not anticipated to pass the 10-year storm event for existing conditions, but for proposed conditions are anticipated to pass the 50-year storm event and 25-year storm events, respectively.

TABLE 5-2

Upstream Water Surface Elevations for Proposed Conditions

Location	Approx. Min. Elevation to Overtop Road	Upstream Water Surface Elevations ⁴ (NGVD29)				
		2-year	10-year	25-year	50-year	100-year
Main Street (Route 97) ¹	127.5	124.1	127.9	128.1	128.3	128.5
Pleasant Street ²	130.3	125.7	127.7	129.1	129.9	131.2
South Broadway (Route 28) ³	125.6	120.9	123.1	125.1	126.2	127.6
Railroad Bridge ³	125.7	120.8	123.0	124.9	126.2	127.6
Rockingham Park Boulevard ³	126.5	120.2	122.0	124.2	125.4	126.7
Cluff Crossing Road ³	122.8	116.3	120.9	123.3	124.2	124.4
Kelley Road ³	117.3	114.1	117.1	118.2	119.0	119.7

¹ Located on Unnamed Brook (a tributary to Policy Branch)

² Located on West Channel Policy Brook

³ Located on Policy Brook

⁴ Red shading indicates the road is anticipated to overtop, blue indicates that the road is not anticipated to overtop with less than 1 foot of freeboard, and green indicates that the road is not anticipated to overtop with at least 1 foot of freeboard.

TABLE 5-3

Comparison of 50-year Water Surface Elevations for Existing and Proposed Conditions

Location	Approximate Minimum Elevation to Overtop Road	Upstream Water Surface Elevations ⁴ (NGVD29)		
		Existing	Proposed	Difference
Main Street (Route 97) ¹	127.5	128.3	128.3	~0 ⁵
Pleasant Street ²	130.3	131.1	129.9	-1.2
South Broadway (Route 28) ³	125.6	127.0	126.2	-0.8
Railroad Bridge ³	125.7	127.0	126.2	-0.8
Rockingham Park Boulevard ³	126.5	126.7	125.4	-1.3
Cluff Crossing Road ³	122.8	124.1	124.2	~0 ⁵
Kelley Road ³	117.3	118.8	119.0	~0 ⁵

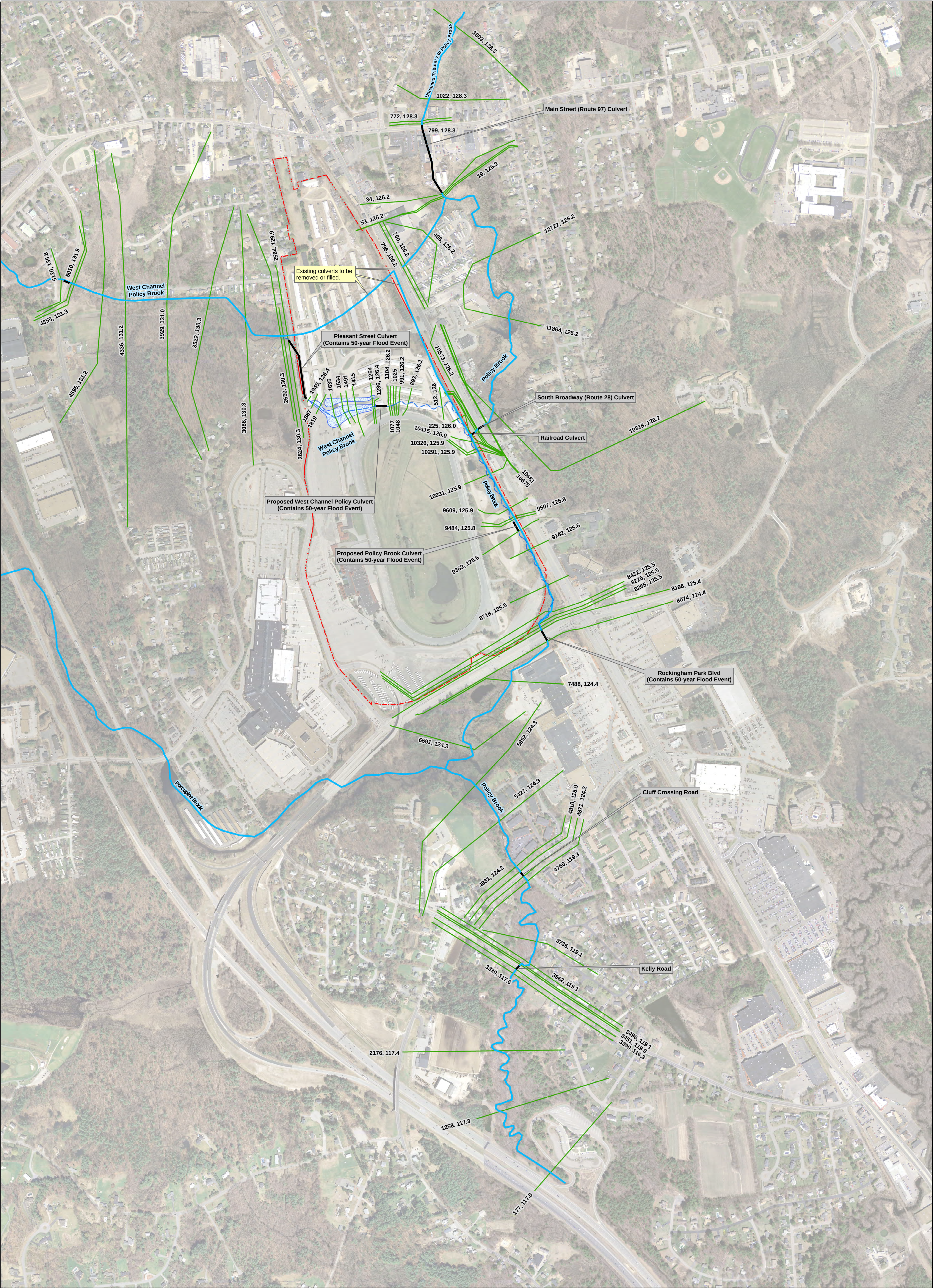
¹ Located on Unnamed Brook (a tributary to Policy Branch)

² Located on West Channel Policy Brook

³ Located on Policy Brook

⁴ Red shading indicates the road is anticipated to overtop, blue indicates that the road is not anticipated to overtop with less than 1 foot of freeboard, and green indicates that the road is not anticipated to overtop with at least 1 foot of freeboard.

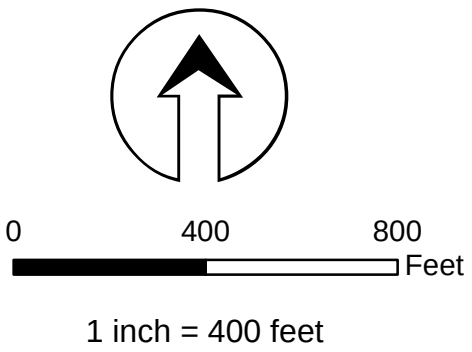
⁵ Changes between +/- 0.2 feet are assumed to be within the modeling tolerances of the hydraulic model and therefore assumed to be approximately the same.



Legend

- Proposed Stream Centerline
- Proposed Pond
- Existing Streams
- Proposed Conditions HEC-RAS Cross Sections (label indicates Cross Section ID and 50-year Water Surface Elevation)
- Structure Locations
- Proposed Redevelopment

FIGURE 5-1
PROPOSED STREAM WITH
HEC-RAS CROSS SECTIONS
Tuscan Village Floodplain Improvement
Salem, New Hampshire
August 2017
Tighe&Bond
Engineers | Environmental Specialists



Digital orthoimage taken in 2003 and acquired from USGS National Map.
All elevations reference the National Geodetic Vertical Datum of 1929 (NGVD29)

5.2 Alternatives for Additional Hydraulic Improvements

5.2.1 Impact on Studied Culverts

The HEC-HMS and HEC-RAS models for the alternative scenarios are included as part of the Appendix A digital submittal. The model results are also available in Appendix B and Appendix C, respectively. Table 5-4 shows the maximum storm modeled that can pass the Main Street (Route 97) culvert, the South Broadway (Route 28) culvert, and the railroad bridge for existing conditions, proposed conditions, and the four potential culvert improvement scenarios (excluding any proposed changes to the Main Street culvert). South Broadway (Route 28) is anticipated to pass the 50-year storm event without overtopping for potential culvert scenarios "A" and "B". Only scenario "A" proposes changes to Cluff Crossing Road and Kelly Road, and for this scenario both would also pass the 50-year storm event.

Increasing the size of the culvert at Cluff Crossing Road is anticipated to reduce the tailwater at Rockingham Park Boulevard thereby improving flow conveyance on site. As a result, increasing the size of the Cluff Crossing Road culvert along with the proposed design associated with the Tuscan Village Redevelopment Project is anticipated to prevent South Broadway (Route 28) from overtopping. Increasing the size of the Kelley Road culvert is not anticipated to affect the hydraulics upstream.

Table 5-5 shows the anticipated water surface elevations upstream of South Broadway (Route 28) for the 10-, 25-, 50-, and 100-year storm events for the modeled scenarios. The potential culvert improvement scenarios generally decrease the anticipated water surface elevations compared to proposed conditions, although some values are anticipated to be approximately the same elevation. The difference between existing and proposed conditions is greater than the difference between the proposed conditions and any of the potential culvert improvement scenarios at South Broadway (Route 28). Increasing the size of the South Broadway (Route 28) culvert and Railroad culvert beyond 5 feet by 10 feet (Scenario "B") to the maximum size that could fit of approximately 5 feet by 20 feet (Scenario "C" and Scenario "D") has negligible impact on the anticipated water surface elevations. To pass the 50-year storm event through South Broadway (Route 28) without overtopping South Broadway (Route 28) would need to be raised (i.e., Scenario "B"), or the size of a downstream culvert (e.g., Rockingham Park Boulevard) would need to be increased.

Main Street (Route 97) is not anticipated to be impacted substantially by downstream improvements. The anticipated water surface elevations upstream of Main Street (Route 97) for the 10-, 25-, 50-, and 100-year storm events for the modeled scenarios without modifying the Main Street (Route 97) culvert are anticipated to vary by less than 0.1 foot from proposed conditions. Table 5-5 compares the anticipated water surface elevations upstream of Main Street (Route 97) for the 10-, 25-, 50-, and 100-year storm events for existing conditions, proposed conditions, and proposed conditions if the existing culvert is upgraded. With this upgrade no change is anticipated to the storms passing Main Street (Route 97) for the 10-, 25-, 50-, and 100-year storm events for the modeled scenarios compared to proposed conditions.

TABLE 5-4

South Broadway (Route 28) Upstream Water Surface Elevations

Storm Return Frequency	Water Surface Elevation Upstream of South Broadway (Route 28) ^{1,2}					
	Existing	Proposed	Scenario "A"	Scenario "B"	Scenario "C"	Scenario "D"
10-year	125.8	123.1	123.1	122.9	122.8	122.9
25-year	126.4	125.1	124.2	124.8	124.7	124.9
50-year	127.0	126.2	125.7	126.1	126.0	126.0
100-year	127.4	127.6	127.6	127.4	127.6	127.6

¹ The approximate minimum elevation to overtop South Broadway (Route 28) is 125.6 feet NGVD29. For Scenario "B" the minimum elevation to overtop South Broadway would be 126.6 feet NGVD29.

² Red shading indicates the road is anticipated to overtop, blue indicates that the road is not anticipated to overtop with less than 1 foot of freeboard, and green indicates that the road is not anticipated to overtop with at least 1 foot of freeboard.

TABLE 5-5

Main Street (Route 97) Upstream Water Surface Elevations with 3' x 12' Box culvert

Storm Return Frequency	Existing	Water Surface Elevation Upstream of Main Street (Route 97) ^{1,2}	
		Proposed Conditions with No Change to Main Street (Route 97)	Proposed Conditions with No Change to Main Street (Route 97)
10-year	128.0	127.9	124.7
25-year	128.1	128.1	125.7
50-year	128.3	128.3	127.5
100-year	128.5	128.5	128.2

¹ The approximate minimum elevation to overtop Main Street (Route 97) is 127.5 feet NGVD29.

² Red shading indicates the road is anticipated to overtop, blue indicates that the road is not anticipated to overtop with less than 1 foot of freeboard, and green indicates that the road is not anticipated to overtop with at least 1 foot of freeboard.

5.2.2 Opinion of Probable Costs

Opinions of Probable Costs (OPCs) for the potential culvert improvement scenarios were for both scenarios "A" and "B" and for the replacing the Main Street Culvert. Opinions of Probable Cost for Scenarios "C" and "D" were not included in this report as the improvements did not result in an outcome in which South Broadway did not overtop in the 50-year event. Table 5-7 summarizes the Opinions of Probable Costs for the model scenarios (a further breakdown of the Opinions of Probable Cost can be found in Appendix E).

TABLE 5-6

Opinion of Probable Costs for Potential Culvert Improvement Scenarios

Potential Culvert Improvement Scenario	Opinion of Probable Cost
Scenario "A" (Replace Cluff and Kelley Rd. culverts)	\$830,000
Scenario "B" (Replace S. Broadway culverts and raise road)	\$700,000
Replace Main Street (Route 97) Culvert ¹	\$1,300,000

¹Improvements to the Main Street (Route 97) Culvert are independent of other potential downstream improvements.

The OPCs shown above include both construction costs (general conditions, construction contingency, etc. as well as soft costs (engineering/design, permitting, survey, etc.) as a percent of construction. As designs for these improvements have yet to be completed, these OPCs should be used for planning purposes only, and should be considered in relative terms. Utility relocations, ledge removal, property acquisitions, easements and other unknown requirements have not been included in the OPCs.

Section 6

FEMA Conditional Letter of Map Revision

In parallel with this study, Tighe & Bond performed hydraulic analyses using the hydraulic modeling software HEC-RAS in preparation for filing a Conditional Letter of Map Revision (CLOMR) with FEMA. Three separate sets of models were developed: a copy of the hydraulic model used in the effective Flood Insurance Study (FIS) known as the duplicate effective model, a model with additional detail available at present for the existing site (corrected effective model/ updated existing conditions model), and a model that shows the proposed changes (proposed conditions model). Tighe & Bond has submitted this CLOMR M-2 Revision Request application on behalf of the applicant. For reference we have included the CLOMR topographic work map as Appendix D.

The required modeling extent for the CLOMR is limited to the areas where the base flood elevation changes by more than 0.5 feet from the currently effective base flood elevation. The base flood is the 100-year water surface elevation calculated using FEMA flows, and the term "effective" indicates the values that are the current accepted, approved, and published by FEMA. The required modeling extent for the CLOMR extends from downstream of Rockingham Park Boulevard to just downstream of the Railroad culvert crossing on Policy Brook, and on the West Channel of Policy Brook from the confluence with Policy Brook to South Policy Street. For consistency with the effective FEMA study the effective flow were used that were based on a regression analysis performed by the U.S. Army Corps of Engineers in 1977. The flows calculated as part of the hydraulic design per the Towns requirements as described in Section 3, are more conservative than these effective flows.

Section 7

Conclusion

The Tuscan Village Redevelopment Project will include:

- Daylighting and redirecting the two 48-inch diameter culverts (Culvert A and Culvert B) that direct flow from the West Channel of Policy Brook to just downstream of the railroad.
- A new culvert from Pleasant Street to a proposed pond that drains to a new stream channel that will flow into Policy Brook.
- A new open bottom culvert downstream of the proposed pond.
- A restoration of Policy Brook downstream of the railroad crossing that will include an excavated meandering channel.
- Daylighting/removing the 60-inch diameter Rockingham Park culvert and construction of a new open bottom culvert.
- Removing sediment that has built up within the existing Rockingham Park Boulevard culvert.

A hydrologic analysis and hydraulic analysis were performed using the modeling software HEC-HMS, and HEC-RAS, respectively. The existing conditions and proposed conditions of the Tuscan Village Redevelopment Project were evaluated. The floodplain improvements as part of the Tuscan improvement projects will improve drainage in the area bounded by Rockingham Park Boulevard, Pleasant Street, and South Broadway (Route 28). Specifically, Rockingham Park Boulevard and Pleasant Street are anticipated to pass the 50-year storm event without overtopping, and South Broadway (Route 28) is anticipated to pass the 25-year storm event without overtopping. Currently the Rockingham Park Boulevard culvert can only pass the 25-year storm event without overtopping, Pleasant Street can only pass the 2-year storm event without overtopping, and South Broadway (Route 28) can only pass the 2-year storm event without overtopping.

Potential offsite future improvements that could help mitigate flooding upstream and downstream of the Tuscan Village Redevelopment Project site were also investigated. Potential offsite improvements were evaluated at Main Street (Route 97), South Broadway (Route 28), the Railroad Bridge (downstream of Route 28), Cluff Crossing Road, and Kelly Road. Based on this analysis there are improvements to the existing system that could be made so that South Broadway (Route 28) and Main Street (Route 97) can pass the 50-year storm event without overtopping. Opinions of Probable Costs were prepared for the design alternatives to assist the Town in developing future capital improvement projects.

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Appendix A

Digital Submittal

Appendix B

HEC-HMS Hydrologic Analysis Results

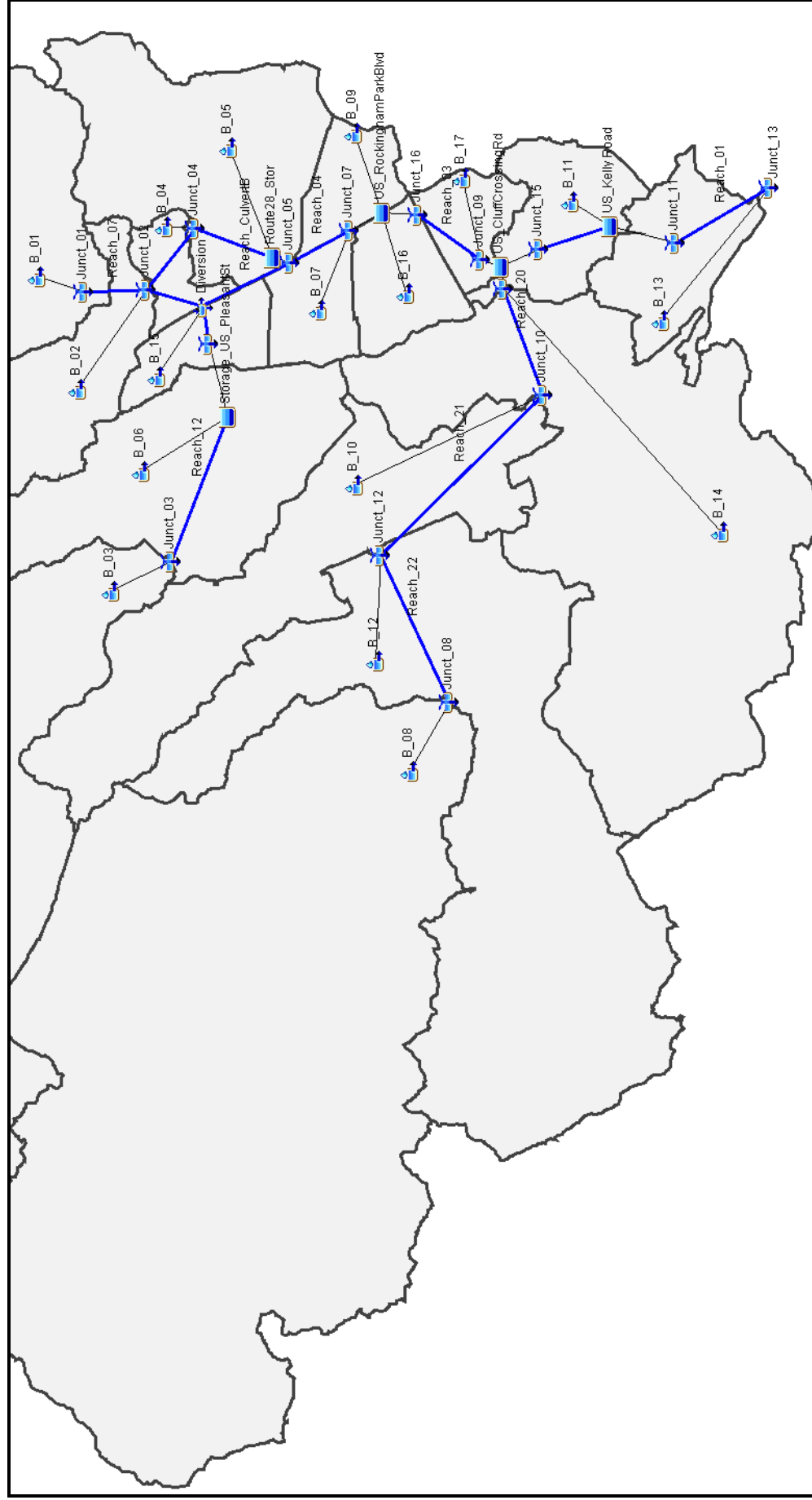


FIGURE B-1
HEC-HMS Existing Conditions Model Components

TABLE B-1
Existing Conditions HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)				
		2-yr	10-yr	25-yr	50-yr	100-yr
B_01	578.3	6	54	111	167	232
B_02	381.9	10	73	139	199	266
B_03	1605.5	29	151	268	374	492
B_04	33.5	1	7	13	19	26
B_05	253.7	2	21	43	64	89
B_06	273.2	4	36	74	110	151
B_07	53.8	6	23	37	49	61
B_08	1509.6	85	324	522	692	876
B_09	50.8	1	10	19	27	36
B_10	342.0	33	101	154	198	244
B_11	98.4	18	68	107	140	174
B_12	735.4	53	175	272	353	440
B_13	107.2	12	47	76	100	126
B_14	705.1	43	152	240	315	395
Diversion	1931.9	0	67	99	105	109
Junct_01	578.3	6	54	111	167	232
Junct_02	2892.1	14	156	301	431	566
Junct_03	1605.5	29	151	268	374	492
Junct_04	2925.6	15	160	307	439	577
Junct_05	3179.3	47	133	263	561	897
Junct_06	1878.7	31	118	265	403	552
Junct_07	3233.2	48	134	268	555	891
Junct_08	1509.6	85	324	522	692	876
Junct_09	3398.4	52	140	279	523	916
Junct_10	2587.0	163	570	899	1,171	1,462
Junct_11	6788.9	254	656	956	1,499	2,381
Junct_12	2245.0	138	495	787	1,036	1,303
Junct_13	6896.1	254	660	953	1,467	2,272
Junct_14	3292.1	204	709	1,120	1,458	1,824
Junct_15	6690.5	251	654	949	1,493	2,384
Junct_16	3351.6	51	138	275	520	916
Reach_CulvertB	0.0	33	53	168	299	439
Reach_01	6788.9	251	654	946	1,457	2,257

TABLE B-1
Existing Conditions HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)				
		2-yr	10-yr	25-yr	50-yr	100-yr
Reach_02	6690.5	251	654	949	1,491	2,372
Reach_03	3351.6	51	138	275	517	904
Reach_04	3179.3	47	133	263	548	877
Reach_05	2925.6	15	158	301	428	561
Reach_06	2892.1	14	155	297	424	556
Reach_07	578.3	6	54	111	167	232
Reach_10	1931.9	0	67	99	105	109
Reach_11	1878.7	31	118	264	401	550
Reach_12	1605.5	29	151	268	374	492
Reach_20	2587.0	163	568	897	1,168	1,459
Reach_21	2245.0	136	483	767	1,003	1,256
Reach_22	1509.6	85	322	519	687	869

TABLE B-2
Existing Conditions HEC-HMS to Existing Conditions HEC-RAS Conversion

River	Reach	RS	HEC-HMS ID
Culvert B	1	1304	Reach_CulvertB
Policy Brook	2	12460.52	Junct_04
Policy Brook	3	10556.43	Junct_05
Policy Brook	2	10414	Junct_05
Policy Brook	3	10289	Junct_05
Policy Brook	3	10078	Junct_07
Policy Brook	3	9889	Junct_07
Policy Brook	3	9292	Junct_16
Policy Brook	3	7488	Junct_09
Policy Brook	3	5852	Junct_15
Policy Brook	3	3451	Junct_11
Unnamed Brook	1	1803	Junct_01
West Policy Brk	2	4710.949	Junct_03
West Policy Brk	2	2439.92	Junct_06
West Policy Brk	1	965	Reach_10



TABLE B-3
Proposed Conditions HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)				
		2-yr	10-yr	25-yr	50-yr	100-yr
B_01	578	6	54	111	167	232
B_02	382	10	73	139	199	266
B_03	1,606	29	151	268	374	492
B_04	34	1	7	13	19	26
B_05	254	2	21	43	64	89
B_06	273	4	36	74	110	151
B_07	54	6	23	37	49	61
B_08	1,510	85	324	522	692	876
B_09	51	1	10	19	27	36
B_10	342	33	101	154	198	244
B_11	98	18	68	107	140	174
B_12	735	53	175	272	353	440
B_13	107	12	47	76	100	126
B_14	705	43	152	240	315	395
B_15	53	5	20	33	44	56
B_16	68	9	36	58	76	96
B_17	47	13	33	48	60	72
Junct_01	578	6	54	111	167	232
Junct_02	960	14	120	239	351	479
Junct_03	1,606	29	151	268	374	492
Junct_04	994	15	124	247	361	492
Junct_05	1,247	14	58	83	117	283
Junct_06	1,879	32	170	279	348	489
Junct_07	3,233	49	235	371	473	770
Junct_08	1,510	85	324	522	692	876
Junct_09	3,398	54	250	385	486	795
Junct_10	2,587	163	577	912	1,188	1,485
Junct_11	6,789	254	730	1,099	1,614	2,204
Junct_12	2,245	138	498	794	1,045	1,315
Junct_13	6,896	254	733	1,081	1,562	2,167
Junct_14	3,292	204	720	1,139	1,486	1,859
Junct_15	6,690	251	727	1,093	1,609	2,194
Junct_16	3,352	52	244	379	481	791
Junct_17	3,179	48	229	364	467	774

TABLE B-3
Proposed Conditions HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)				
		2-yr	10-yr	25-yr	50-yr	100-yr
Proposed West Policy Pond	1,932	34	177	287	356	498
Proposed_Policy	3,179	47	229	364	466	760
Proposed _Storage Area	1,932	34	177	287	356	498
Prop_WPpolicy	1,932	34	177	287	356	496
Reach_01	6,789	251	727	1,073	1,550	2,151
Reach_02	6,690	251	727	1,092	1,606	2,191
Reach_03	3,352	52	244	379	480	785
Reach_05	994	15	122	240	351	478
Reach_06	960	14	119	236	346	471
Reach_07	578	6	54	111	167	232
Reach_12	1,606	29	151	268	374	492
Reach_20	2,587	163	575	909	1,185	1,482
Reach_21	2,245	136	486	773	1,011	1,266
Reach_22	1,510	85	323	522	692	875
Route28_Stor	1,247	14	58	83	117	283
Storage_US _PleasantSt	1,879	32	170	279	348	489
US_Cluff CrossingRd	6,690	251	727	1,093	1,609	2,194
US_Kelly Road	6,789	254	730	1,099	1,614	2,204
US_Rockingham ParkBlvd	3,352	52	244	379	481	791

TABLE B-4
Proposed Conditions HEC-HMS to Proposed Conditions HEC-RAS
Conversion

River	Reach	RS	HEC-HMS ID
Policy Brook	2	12721.8	Junct_04
Policy Brook	2	10817.71	Junct_05
Policy Brook	2	10414.99	Junct_07
Policy Brook	2	9362.233	Junct_16
Policy Brook	2	7488	Junct_09
Policy Brook	2	5852	Junct_15
Policy Brook	2	3451	Junct_11

TABLE B-4

Proposed Conditions HEC-HMS to Proposed Conditions HEC-RAS
Conversion

River	Reach	RS	HEC-HMS ID
Unnamed Brook	1	1803	Junct_01
West Policy Brk	2	5119.913	Junct_03
West Policy Brk	2	2583.834	Junct_06
West Policy Brk	2	1945.455	Proposed West Policy Pond

TABLE B-5

Key between various theoretical / potential improvement model runs between HEC-HMS and HEC-RAS

HEC-RAS Model ID	Description	HEC-HMS Model ID	Notes
Existing	Existing Conditions	Existing	
Proposed	Proposed Conditions	Proposed	
a_Theoretical	Changes to Kelley Road and Cluff Crossing	Theoretical a	
b_Theoretical	Changes to the Railroad and South Broadway (Route 28) including raising the minimum road elevation of South Broadway (Route 28).	Theoretical b	
c_Theoretical	Changes to Railroad and South Broadway (Route 28) without raising the minimum elevation of South Broadway (Route 28).	Theoretical c	
d_Theoretical	Changes to Railroad only.	Proposed	Storage upstream of the railroad was not taken into account in HEC-HMS (storage is minor) so no updates from proposed conditions are required.
m/Proposed_Theoretical	Changes to Main Street (Route 97) only.	Proposed	Storage upstream of Main Street (Route 97) was not taken into account in HEC-HMS (storage was found to have limited impact) so no updates from proposed / theoretical conditions are required.
m/a_Theoretical	Scenario "a" with changes to Main Street (Route 97).	Theoretical a	
m/b_Theoretical	Scenario "b" with changes to Main Street (Route 97).	Theoretical b	
m/c_Theoretical	Scenario "c" with changes to Main Street (Route 97).	Theoretical c	
m/d_Theoretical	Scenario "d" with changes to Main Street (Route 97).	Proposed	

TABLE B-6
Theoretical Scenario "A" HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)			
		10-yr	25-yr	50-yr	100-yr
B_01	578	54	111	167	232
B_02	382	73	139	199	266
B_03	1,606	151	268	374	492
B_05	254	21	43	64	89
B_06	273	36	74	110	151
B_07	54	23	37	49	61
B_08	1,510	324	522	692	876
B_09	51	10	19	27	36
B_10	342	101	154	198	244
B_11	98	68	107	140	174
B_13	107	47	76	100	126
B_14	705	152	240	315	395
Proposed West Policy Pond	1,932	177	287	356	498
Junct_01	578	54	111	167	232
Junct_02	960	120	239	351	479
Junct_03	1,606	151	268	374	492
Junct_04	994	126	251	369	492
Junct_05	1,247	59	84	119	283
Junct_06	1,879	170	279	348	489
Junct_07	3,233	236	373	476	770
Junct_08	1,510	324	522	692	876
Junct_09	3,398	251	387	491	795
Junct_10	2,587	577	912	1,188	1,485
Junct_11	6,789	857	1,261	1,567	2,109
Junct_12	2,245	498	794	1,045	1,315
Junct_13	6,896	853	1,253	1,563	2,078
Junct_14	3,292	720	1,139	1,486	1,859
Junct_15	6,690	852	1,255	1,562	2,105
Junct_16	3,352	246	381	486	791

TABLE B-6
Theoretical Scenario "A" HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)			
		10-yr	25-yr	50-yr	100-yr
Junct_17	3,179	231	366	470	774
Reach_01	6,789	845	1,243	1,551	2,063
Reach_02	6,690	852	1,254	1,561	2,101
Reach_03	3,352	246	381	485	785
Reach_05	994	123	244	358	478
Reach_06	960	120	239	351	471
Reach_07	578	54	111	167	232
Reach_12	1,606	151	268	374	492
Reach_20	2,587	575	909	1,185	1,482
Reach_21	2,245	486	773	1,011	1,266
Reach_22	1,510	323	522	692	875

TABLE B-7
Theoretical Scenario "B" HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)			
		10-yr	25-yr	50-yr	100-yr
B_01	578	54	111	167	232
B_02	382	73	139	199	266
B_03	1,606	151	268	374	492
B_05	254	21	43	64	89
B_06	273	36	74	110	151
B_07	54	23	37	49	61
B_08	1,510	324	522	692	876
B_09	51	10	19	27	36
B_10	342	101	154	198	244
B_11	98	68	107	140	174
B_13	107	47	76	100	126
B_14	705	152	240	315	395
Proposed West Policy Pond	1,932	177	287	356	498
Junct_01	578	54	111	167	232

TABLE B-7
Theoretical Scenario "B" HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)			
		10-yr	25-yr	50-yr	100-yr
Junct_02	960	120	239	351	479
Junct_03	1,606	151	268	374	492
Junct_04	994	124	247	361	492
Junct_05	1,247	60	86	111	210
Junct_06	1,879	170	279	348	489
Junct_07	3,233	236	374	465	699
Junct_08	1,510	324	522	692	876
Junct_09	3,398	251	387	482	722
Junct_10	2,587	577	912	1,188	1,485
Junct_11	6,789	731	1,101	1,617	2,171
Junct_12	2,245	498	794	1,045	1,315
Junct_13	6,896	733	1,083	1,564	2,120
Junct_14	3,292	720	1,139	1,486	1,859
Junct_15	6,690	728	1,095	1,612	2,161
Junct_16	3,352	245	381	476	716
Junct_17	3,179	231	367	459	694
Reach_01	6,789	728	1,075	1,552	2,104
Reach_02	6,690	728	1,094	1,609	2,157
Reach_03	3,352	245	381	476	713
Reach_05	994	122	240	351	478
Reach_06	960	119	236	346	471
Reach_07	578	54	111	167	232
Reach_12	1,606	151	268	374	492
Reach_20	2,587	575	909	1,185	1,482
Reach_21	2,245	486	773	1,011	1,266
Reach_22	1,510	323	522	692	875

TABLE B-8
Theoretical Scenario "C" HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)			
		10-yr	25-yr	50-yr	100-yr
B_01	578	54	111	167	232
B_02	382	73	139	199	266
B_03	1,606	151	268	374	492
B_05	254	21	43	64	89
B_06	273	36	74	110	151
B_07	54	23	37	49	61
B_08	1,510	324	522	692	876
B_09	51	10	19	27	36
B_10	342	101	154	198	244
B_11	98	68	107	140	174
B_13	107	47	76	100	126
B_14	705	152	240	315	395
Proposed West Policy Pond	1,932	177	287	356	498
Junct_01	578	54	111	167	232
Junct_02	960	120	239	351	479
Junct_03	1,606	151	268	374	492
Junct_04	994	124	247	361	492
Junct_05	1,247	60	87	116	282
Junct_06	1,879	170	279	348	489
Junct_07	3,233	236	374	471	768
Junct_08	1,510	324	522	692	876
Junct_09	3,398	251	388	485	792
Junct_10	2,587	577	912	1,188	1,485
Junct_11	6,789	731	1,101	1,618	2,201
Junct_12	2,245	498	794	1,045	1,315
Junct_13	6,896	733	1,083	1,565	2,165
Junct_14	3,292	720	1,139	1,486	1,859
Junct_15	6,690	728	1,095	1,613	2,190
Junct_16	3,352	246	382	480	788
Junct_17	3,179	231	368	465	774
Reach_01	6,789	728	1,075	1,553	2,149
Reach_02	6,690	728	1,095	1,610	2,187
Reach_03	3,352	245	382	480	783

TABLE B-8
Theoretical Scenario "C" HEC-HMS Flows

Name	Drainage Area, acres	Storm Event Flows (cfs)			
		10-yr	25-yr	50-yr	100-yr
Reach_05	994	122	240	351	478
Reach_06	960	119	236	346	471
Reach_07	578	54	111	167	232
Reach_12	1,606	151	268	374	492
Reach_20	2,587	575	909	1,185	1,482
Reach_21	2,245	486	773	1,011	1,266
Reach_22	1,510	323	522	692	875

Appendix C

HEC-RAS Hydraulic Analysis Results

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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PROJECT DATA
Project Title: PolicyBrook_UpdatedExisting
Project File : PolicyBrook_EXIST.prj
Run Date and Time: 8/4/2017 1:03:58 PM

Project in English units

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top width (ft)	Froude # Ch1
West Policy Brk	2	4710.949	002_Year	28.80	130.19	130.62	130.62	130.73	0.048097	2.69	12.39	396.29	0.92
West Policy Brk	2	4710.949	010_Year	151.30	130.19	131.00	131.00	131.18	0.041435	3.88	58.21	552.05	0.95
West Policy Brk	2	4710.949	025_Year	268.10	130.19	131.18	131.18	131.43	0.040932	4.71	89.28	585.26	1.00
West Policy Brk	2	4710.949	050_Year	373.80	130.19	131.32	131.32	131.61	0.039332	5.20	115.96	612.82	1.01
West Policy Brk	2	4710.949	100_Year	492.20	130.19	131.46	131.46	131.79	0.036373	5.57	146.57	637.51	0.99
West Policy Brk	2	4451.35	002_Year	28.80	128.36	129.56	129.03	129.56	0.000485	0.56	141.26	560.09	0.11
West Policy Brk	2	4451.35	010_Year	151.30	128.36	130.72	129.52	130.72	0.000057	0.35	1089.01	1045.00	0.04
West Policy Brk	2	4451.35	025_Year	268.10	128.36	131.10	129.63	131.10	0.000076	0.46	1464.33	1212.36	0.05
West Policy Brk	2	4451.35	050_Year	373.80	128.36	131.30	129.70	131.30	0.000099	0.55	1673.64	1339.87	0.06
West Policy Brk	2	4451.35	100_Year	492.20	128.36	131.43	129.77	131.43	0.000130	0.65	1968.92	1483.09	0.07
West Policy Brk	2	4191.74	002_Year	28.80	128.29	129.52	128.62	129.52	0.000086	0.26	111.26	122.54	0.05
West Policy Brk	2	4191.74	010_Year	151.30	128.29	130.70	128.92	130.70	0.000155	0.54	291.23	1699.75	0.07
West Policy Brk	2	4191.74	025_Year	268.10	128.29	131.06	129.11	131.07	0.000254	0.78	375.49	2411.54	0.09
West Policy Brk	2	4191.74	050_Year	373.80	128.29	131.27	129.26	131.27	0.000192	0.72	902.70	2595.45	0.08
West Policy Brk	2	4191.74	100_Year	492.20	128.29	131.40	129.40	131.40	0.000141	0.64	1821.95	2635.69	0.07
West Policy Brk	2	3784.96	002_Year	28.80	127.46	129.44		129.45	0.000539	0.76	62.62	151.90	0.12
West Policy Brk	2	3784.96	010_Year	151.30	127.46	130.63		130.63	0.000183	0.70	640.93	724.29	0.08
West Policy Brk	2	3784.96	025_Year	268.10	127.46	130.97		130.97	0.000236	0.87	903.56	832.90	0.09
West Policy Brk	2	3784.96	050_Year	373.80	127.46	131.17		131.18	0.000284	1.00	1080.10	885.51	0.10
West Policy Brk	2	3784.96	100_Year	492.20	127.46	131.30		131.31	0.000367	1.18	1201.70	933.87	0.12
West Policy Brk	2	3378.179	002_Year	28.80	126.90	128.33	128.33	128.69	0.044059	4.81	5.98	8.35	1.00
West Policy Brk	2	3378.179	010_Year	151.30	126.90	130.59	129.64	130.59	0.000071	0.26	1104.26	1136.17	0.04
West Policy Brk	2	3378.179	025_Year	268.10	126.90	130.91	129.97	130.91	0.000087	0.34	1475.77	1150.91	0.05
West Policy Brk	2	3378.179	050_Year	373.80	126.90	131.11	130.20	131.11	0.000107	0.42	1700.23	1161.60	0.06
West Policy Brk	2	3378.179	100_Year	492.20	126.90	131.22	130.33	131.22	0.000147	0.51	1828.55	1171.61	0.07
West Policy Brk	2	2942.30	002_Year	28.80	126.04	127.41		127.42	0.000300	0.45	86.57	191.77	0.09
West Policy Brk	2	2942.30	010_Year	151.30	126.04	130.58		130.58	0.000007	0.20	1478.27	581.62	0.02
West Policy Brk	2	2942.30	025_Year	268.10	126.04	130.90		130.90	0.000016	0.32	1674.62	642.08	0.03
West Policy Brk	2	2942.30	050_Year	373.80	126.04	131.09		131.09	0.000026	0.41	1799.70	699.18	0.03
West Policy Brk	2	2942.30	100_Year	492.20	126.04	131.19		131.19	0.000042	0.53	1869.97	719.11	0.04
West Policy Brk	2	2506.45	002_Year	28.80	125.73	127.15	126.41	127.17	0.001533	1.00	28.90	36.29	0.20
West Policy Brk	2	2506.45	010_Year	151.30	125.73	130.57	127.17	130.57	0.000034	0.34	580.73	757.57	0.04
West Policy Brk	2	2506.45	025_Year	268.10	125.73	130.88	127.59	130.89	0.000071	0.53	675.45	799.54	0.05
West Policy Brk	2	2506.45	050_Year	373.80	125.73	131.06	127.92	131.07	0.000111	0.69	731.38	837.52	0.07
West Policy Brk	2	2506.45	100_Year	492.20	125.73	131.14	128.21	131.15	0.000174	0.87	758.06	853.79	0.08
West Policy Brk	2	2480.094	002_Year	28.80	125.80	127.13	126.29	127.14	0.000745	0.76	37.75	41.23	0.14
West Policy Brk	2	2480.094	010_Year	151.30	125.80	130.57	126.94	130.57	0.000014	0.23	1000.82	831.08	0.02
West Policy Brk	2	2480.094	025_Year	268.10	125.80	130.88	127.33	130.88	0.000024	0.33	1277.81	941.07	0.03
West Policy Brk	2	2480.094	050_Year	373.80	125.80	131.06	127.70	131.06	0.000034	0.40	1448.94	979.75	0.04
West Policy Brk	2	2480.094	100_Year	492.20	125.80	131.15	127.93	131.15	0.000050	0.49	1532.10	984.63	0.05

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West	Policy	Brk	2	2439.921	002_Year	31.20	124.66	127.01	125.75	127.07	0.002584	1.91	16.37	9.90	0.26
West	Policy	Brk	2	2439.921	010_Year	117.50	124.66	130.57	126.99	130.57	0.000044	0.34	679.61	821.72	0.04
West	Policy	Brk	2	2439.921	025_Year	265.00	124.66	130.88	128.33	130.88	0.000096	0.54	933.56	986.45	0.06
West	Policy	Brk	2	2439.921	050_Year	403.20	124.66	131.06	129.19	131.06	0.000134	0.67	1144.90	1016.41	0.07
West	Policy	Brk	2	2439.921	100_Year	551.60	124.66	131.14	129.67	131.14	0.000201	0.84	1229.38	1030.79	0.09
West	Policy	Brk	2	2083.408			Culvert								
West	Policy	Brk	2	1363.091	002_Year	31.20	120.42	125.82	122.36	125.83	0.000204	0.88	35.26	11.20	0.09
West	Policy	Brk	2	1363.091	010_Year	117.50	120.42	128.44	123.72	128.47	0.000390	1.43	82.43	737.35	0.14
West	Policy	Brk	2	1363.091	025_Year	265.00	120.42	129.14	125.16	129.14	0.000097	0.70	1174.51	970.79	0.07
West	Policy	Brk	2	1363.091	050_Year	403.20	120.42	129.33	126.14	129.34	0.000154	0.92	1362.05	994.58	0.09
West	Policy	Brk	2	1363.091	100_Year	551.60	120.42	129.50	127.55	129.51	0.000219	1.14	1540.66	1075.96	0.11
West	Policy	Brk	2	1316.14	002_Year	31.20	120.42	125.81		125.82	0.000289	0.99	31.38	11.66	0.11
West	Policy	Brk	2	1316.14	010_Year	117.50	120.42	128.45		128.46	0.000024	0.26	799.88	1008.23	0.03
West	Policy	Brk	2	1316.14	025_Year	265.00	120.42	129.14		129.14	0.000028	0.35	1559.47	1163.66	0.04
West	Policy	Brk	2	1316.14	050_Year	403.20	120.42	129.33		129.33	0.000046	0.47	1780.14	1168.36	0.05
West	Policy	Brk	2	1316.14	100_Year	551.60	120.42	129.50		129.50	0.000065	0.59	1981.60	1174.22	0.06
West	Policy	Brk	1	965.2915	002_Year	1.00	123.61	125.29	123.72	125.29	0.000004	0.06	17.21	428.25	0.01
West	Policy	Brk	1	965.2915	010_Year	67.40	123.61	128.44	125.10	128.45	0.000061	0.70	96.04	927.81	0.06
West	Policy	Brk	1	965.2915	025_Year	99.10	123.61	129.13	125.38	129.14	0.000077	0.88	113.05	940.11	0.07
West	Policy	Brk	1	965.2915	050_Year	104.80	123.61	129.24	125.42	129.26	0.000079	0.90	116.03	940.11	0.07
West	Policy	Brk	1	965.2915	100_Year	109.20	123.61	129.36	125.45	129.37	0.000078	0.92	118.96	940.11	0.07
West	Policy	Brk	1	813.9293			Culvert								
West	Policy	Brk	1	796.3802	002_Year	1.00	124.80	125.28	124.89	125.28	0.000132	0.27	3.69	8.73	0.07
West	Policy	Brk	1	796.3802	010_Year	67.40	124.80	128.08	126.08	128.11	0.000404	1.48	47.22	25.42	0.17
West	Policy	Brk	1	796.3802	025_Year	99.10	124.80	128.47	126.39	128.52	0.000507	1.84	58.34	69.63	0.19
West	Policy	Brk	1	796.3802	050_Year	104.80	124.80	128.53	126.44	128.58	0.000524	1.90	60.24	77.56	0.20
West	Policy	Brk	1	796.3802	100_Year	109.20	124.80	128.61	126.48	128.66	0.000515	1.91	62.78	95.22	0.20
West	Policy	Brk	1	759.9449	002_Year	1.00	124.73	125.10	124.84	125.10	0.000601	0.49	2.06	6.25	0.15
West	Policy	Brk	1	759.9449	010_Year	67.40	124.73	127.37	126.22	127.48	0.002320	2.61	25.79	16.50	0.37
West	Policy	Brk	1	759.9449	025_Year	99.10	124.73	127.30	126.59	127.55	0.005557	4.01	24.70	15.98	0.57
West	Policy	Brk	1	759.9449	050_Year	104.80	124.73	127.10	126.64	127.47	0.008426	4.84	21.67	14.42	0.70
West	Policy	Brk	1	759.9449	100_Year	109.20	124.73	127.41	126.69	127.67	0.005764	4.14	26.39	16.79	0.58
West	Policy	Brk	1	406.3698	002_Year	1.00	124.06	124.34	124.34	124.41	0.033946	2.10	0.48	3.36	0.99
West	Policy	Brk	1	406.3698	010_Year	67.40	124.06	125.74	125.58	125.91	0.011051	3.27	20.58	32.51	0.73
West	Policy	Brk	1	406.3698	025_Year	99.10	124.06	126.40	125.77	126.44	0.001729	1.67	72.40	128.64	0.31
West	Policy	Brk	1	406.3698	050_Year	104.80	124.06	127.07	125.80	127.07	0.000201	0.82	169.50	182.01	0.11
West	Policy	Brk	1	406.3698	100_Year	109.20	124.06	127.44	125.82	127.44	0.000089	0.62	246.70	225.26	0.08
Unnamed	Brook		1	1803.202	002_Year	5.70	125.80	126.06	126.06	126.10	0.027311	1.80	4.02	46.58	0.88
Unnamed	Brook		1	1803.202	010_Year	53.50	125.80	128.01		128.01	0.000012	0.21	392.13	262.55	0.03
Unnamed	Brook		1	1803.202	025_Year	111.10	125.80	128.15		128.15	0.000038	0.40	429.20	266.46	0.05
Unnamed	Brook		1	1803.202	050_Year	166.90	125.80	128.36		128.36	0.000057	0.53	487.19	274.35	0.06
Unnamed	Brook		1	1803.202	100_Year	231.80	125.80	128.54		128.55	0.000084	0.68	539.51	295.02	0.08
Unnamed	Brook		1	1022.286	002_Year	5.70	124.57	124.83		124.83	0.000396	0.28	41.43	210.21	0.11
Unnamed	Brook		1	1022.286	010_Year	53.50	124.57	128.00		128.00	0.000002	0.12	1258.78	527.37	0.01
Unnamed	Brook		1	1022.286	025_Year	111.10	124.57	128.14		128.14	0.000006	0.23	1329.57	528.96	0.02
Unnamed	Brook		1	1022.286	050_Year	166.90	124.57	128.35		128.35	0.000010	0.32	1440.73	531.64	0.03
Unnamed	Brook		1	1022.286	100_Year	231.80	124.57	128.52		128.52	0.000016	0.42	1533.49	534.21	0.04
Unnamed	Brook		1	798.5392	002_Year	5.70	124.28	124.47	124.47	124.52	0.042222	2.01	4.58	49.15	1.07
Unnamed	Brook		1	798.5392	010_Year	53.50	124.28	128.00		128.00	0.000009	0.31	442.39	162.07	0.03
Unnamed	Brook		1	798.5392	025_Year	111.10	124.28	128.13		128.13	0.000036	0.62	463.77	166.73	0.06
Unnamed	Brook		1	798.5392	050_Year	166.90	124.28	128.34		128.34	0.000067	0.87	498.65	173.26	0.08
Unnamed	Brook		1	798.5392	100_Year	231.80	124.28	128.50		128.51	0.000110	1.15	528.03	178.04	0.10
Unnamed	Brook		1	772.176	002_Year	5.70	123.39	124.14	123.62	124.15	0.000523	0.71	8.06	12.71	0.16
Unnamed	Brook		1	772.176	010_Year	53.50	123.39	128.00	124.35	128.00	0.000033	0.61	98.03	148.55	0.05
Unnamed	Brook		1	772.176	025_Year	111.10	123.39	128.12	124.86	128.13	0.000086	0.99	176.54	155.89	0.09
Unnamed	Brook		1	772.176	050_Year	166.90	123.39	128.31	125.25	128.33	0.000155	1.38	195.91	219.31	0.12
Unnamed	Brook		1	772.176	100_Year	231.80	123.39	128.46	125.63	128.50	0.000257	1.81	212.33	262.69	0.15
Unnamed	Brook		1	739.2546			Culvert								
Unnamed	Brook		1	53.0134	002_Year	5.70	121.39	123.34	121.62	123.34	0.000019	0.23	24.46	16.29	0.03
Unnamed	Brook		1	53.0134	010_Year	53.50	121.39	125.85	122.36	125.86	0.000027	0.51	179.44	604.57	0.05
Unnamed	Brook		1	53.0134	025_Year	111.10	121.39	126.42	122.91	126.43	0.000060	0.83	229.34	696.42	0.07
Unnamed	Brook		1	53.0134	050_Year	166.90	121.39	127.07	123.32	127.08	0.000072	1.00	285.70	921.29	0.08
Unnamed	Brook		1	53.0134	100_Year	231.80	121.39	127.43	123.72	127.45	0.000102	1.24	317.67	994.57	0.10
Unnamed	Brook		1	34.11355	002_Year	5.70	121.37	123.33	122.19	123.34	0.000254	0.63	9.03	9.21	0.11

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Unnamed Brook	1	34.11355	010_Year	53.50	121.37	125.85	123.37	125.85	0.000003	0.15	1272.40	852.72	0.01
Unnamed Brook	1	34.11355	025_Year	111.10	121.37	126.43	124.05	126.43	0.000005	0.21	1770.05	889.06	0.02
Unnamed Brook	1	34.11355	050_Year	166.90	121.37	127.07	124.64	127.07	0.000004	0.22	2359.60	931.39	0.02
Unnamed Brook	1	34.11355	100_Year	231.80	121.37	127.44	124.78	127.44	0.000006	0.27	2712.31	982.32	0.02
Unnamed Brook	1	18.98231	002_Year	5.70	121.35	123.33	122.17	123.33	0.000251	0.63	9.04	9.15	0.11
Unnamed Brook	1	18.98231	010_Year	53.50	121.35	125.85	123.36	125.85	0.000003	0.15	1280.56	830.34	0.01
Unnamed Brook	1	18.98231	025_Year	111.10	121.35	126.43	124.14	126.43	0.000005	0.21	1771.83	896.88	0.02
Unnamed Brook	1	18.98231	050_Year	166.90	121.35	127.07	124.25	127.07	0.000005	0.23	2367.05	945.15	0.02
Unnamed Brook	1	18.98231	100_Year	231.80	121.35	127.44	124.34	127.44	0.000006	0.27	2718.33	965.44	0.02
Policy Brook	2	12460.52	002_Year	14.60	122.70	123.33		123.33	0.000074	0.21	87.76	272.06	0.06
Policy Brook	2	12460.52	010_Year	159.50	122.70	125.85		125.85	0.000005	0.20	1344.07	797.86	0.02
Policy Brook	2	12460.52	025_Year	306.70	122.70	126.43		126.43	0.000007	0.27	1804.10	809.84	0.02
Policy Brook	2	12460.52	050_Year	439.00	122.70	127.07		127.07	0.000006	0.28	2331.67	829.04	0.02
Policy Brook	2	12460.52	100_Year	576.50	122.70	127.44		127.44	0.000007	0.32	2638.07	837.68	0.03
Policy Brook	2	11602.69	002_Year	14.60	121.02	123.32		123.32	0.000004	0.13	296.95	208.57	0.02
Policy Brook	2	11602.69	010_Year	159.50	121.02	125.85		125.85	0.000017	0.47	935.90	288.18	0.04
Policy Brook	2	11602.69	025_Year	306.70	121.02	126.41		126.41	0.000039	0.77	1104.51	331.05	0.06
Policy Brook	2	11602.69	050_Year	439.00	121.02	127.05		127.06	0.000053	0.97	1383.45	478.77	0.07
Policy Brook	2	11602.69	100_Year	576.50	121.02	127.42		127.43	0.000069	1.15	1559.47	489.13	0.08
Policy Brook	2	10556.43	002_Year	46.80	119.04	123.31	120.36	123.31	0.000008	0.23	267.43	268.51	0.03
Policy Brook	2	10556.43	010_Year	132.50	119.04	125.84	121.08	125.84	0.000002	0.18	1340.08	2185.82	0.01
Policy Brook	2	10556.43	025_Year	263.30	119.04	126.41	121.54	126.41	0.000001	0.16	2748.86	2474.45	0.01
Policy Brook	2	10556.43	050_Year	561.40	119.04	127.05	122.10	127.05	0.000004	0.27	3670.58	2909.22	0.02
Policy Brook	2	10556.43	100_Year	897.30	119.04	127.42	122.54	127.42	0.000002	0.23	7188.76	3035.75	0.02
Policy Brook	2	10420.19	002_Year	46.80	118.78	123.31	120.39	123.31	0.000017	0.30	156.90	70.93	0.04
Policy Brook	2	10420.19	010_Year	132.50	118.78	125.84	121.11	125.84	0.000005	0.27	647.37	511.33	0.02
Policy Brook	2	10420.19	025_Year	263.30	118.78	126.41	121.52	126.41	0.000011	0.43	869.65	811.38	0.03
Policy Brook	2	10420.19	050_Year	561.40	118.78	127.04	122.15	127.05	0.000027	0.71	1137.54	1115.51	0.05
Policy Brook	2	10420.19	100_Year	897.30	118.78	127.41	122.71	127.42	0.000043	0.94	1854.96	1228.81	0.07
Policy Brook	2	10414.18	002_Year	46.80	118.77	123.30	119.95	123.31	0.000040	0.64	82.73	68.44	0.06
Policy Brook	2	10414.18	010_Year	132.50	118.77	125.84	120.98	125.84	0.000010	0.45	621.39	461.75	0.03
Policy Brook	2	10414.18	025_Year	263.30	118.77	126.40	121.62	126.41	0.000022	0.70	835.06	811.76	0.05
Policy Brook	2	10414.18	050_Year	561.40	118.77	127.04	122.62	127.05	0.000047	1.08	1097.54	1127.54	0.07
Policy Brook	2	10414.18	100_Year	897.30	118.77	127.41	123.54	127.41	0.000064	1.30	1799.49	1222.54	0.08
Policy Brook	2	10349.48		Culvert									
Policy Brook	2	10311.88	002_Year	46.80	118.17	123.23	119.54	123.26	0.000721	1.42	32.97	16.21	0.18
Policy Brook	2	10311.88	010_Year	132.50	118.17	125.29	120.88	125.31	0.000235	1.15	157.64	506.95	0.12
Policy Brook	2	10311.88	025_Year	263.30	118.17	126.39	123.18	126.40	0.000031	0.52	1028.00	848.47	0.05
Policy Brook	2	10311.88	050_Year	561.40	118.17	127.05	125.01	127.05	0.000039	0.64	1603.68	953.51	0.05
Policy Brook	2	10311.88	100_Year	897.30	118.17	127.41	125.40	127.41	0.000060	0.83	1970.07	1048.91	0.07
Policy Brook	2	10305.39	002_Year	46.80	118.48	123.24	120.53	123.25	0.000212	0.87	53.69	30.21	0.12
Policy Brook	2	10305.39	010_Year	132.50	118.48	125.29	121.58	125.30	0.000056	0.74	308.34	316.87	0.07
Policy Brook	2	10305.39	025_Year	263.30	118.48	126.39	122.63	126.40	0.000035	0.69	745.83	475.84	0.06
Policy Brook	2	10305.39	050_Year	561.40	118.48	127.04	123.72	127.05	0.000064	1.01	1073.71	549.81	0.08
Policy Brook	2	10305.39	100_Year	897.30	118.48	127.40	125.04	127.41	0.000102	1.34	1279.40	580.96	0.10
Policy Brook	2	10289.24	002_Year	46.80	119.23	123.24	120.33	123.25	0.000097	0.87	61.95	36.27	0.08
Policy Brook	2	10289.24	010_Year	132.50	119.23	125.27	121.24	125.29	0.000118	1.31	114.86	236.76	0.10
Policy Brook	2	10289.24	025_Year	263.30	119.23	126.39	122.21	126.39	0.000045	0.92	674.83	450.48	0.06
Policy Brook	2	10289.24	050_Year	561.40	119.23	127.04	123.47	127.04	0.000083	1.32	996.07	557.33	0.09
Policy Brook	2	10289.24	100_Year	897.30	119.23	127.40	124.39	127.41	0.000124	1.67	1198.11	564.06	0.11
Policy Brook	2	10260.02		Culvert									
Policy Brook	2	10148.66	002_Year	46.80	119.40	123.13	120.52	123.14	0.000203	0.88	52.90	28.30	0.11
Policy Brook	2	10148.66	010_Year	132.50	119.40	124.74	121.47	124.75	0.000222	1.09	136.08	108.65	0.13
Policy Brook	2	10148.66	025_Year	263.30	119.40	125.68	122.44	125.70	0.000196	1.28	284.52	221.46	0.12
Policy Brook	2	10148.66	050_Year	561.40	119.40	127.01	123.66	127.03	0.000133	1.32	735.23	462.37	0.11
Policy Brook	2	10148.66	100_Year	897.30	119.40	127.34	124.72	127.36	0.000213	1.75	889.49	487.19	0.14
Policy Brook	3	10078.09	002_Year	48.10	119.38	123.11	121.01	123.12	0.000229	0.92	52.12	29.27	0.12
Policy Brook	3	10078.09	010_Year	134.40	119.38	124.72	121.84	124.74	0.000213	1.13	136.28	96.67	0.13
Policy Brook	3	10078.09	025_Year	268.10	119.38	125.67	122.59	125.69	0.000195	1.33	299.30	250.84	0.13
Policy Brook	3	10078.09	050_Year	554.80	119.38	127.00	123.64	127.02	0.000121	1.31	728.78	414.04	0.11
Policy Brook	3	10078.09	100_Year	890.70	119.38	127.32	124.73	127.35	0.000217	1.83	871.19	458.34	0.14
Policy Brook	3	10048.41	002_Year	48.10	119.37	123.08	121.33	123.11	0.000790	1.38	34.86	26.67	0.21
Policy Brook	3	10048.41	010_Year	134.40	119.37	124.71	122.40	124.73	0.000227	1.20	162.33	155.10	0.13
Policy Brook	3	10048.41	025_Year	268.10	119.37	125.67	123.27	125.68	0.000162	1.24	362.62	293.22	0.11
Policy Brook	3	10048.41	050_Year	554.80	119.37	127.00	124.45	127.01	0.000096	1.17	861.05	452.77	0.09

Policy Brook	3	10048.41	100_Year	890.70	119.37	127.32	PolicyBrook_EXIST.rep 124.89	127.34	0.000161	1.59	1007.04	465.27	0.12
Policy Brook	3	9889.609	002_Year	48.10	119.33	122.87	121.46	122.94	0.001414	2.13	22.53	12.74	0.28
Policy Brook	3	9889.609	010_Year	134.40	119.33	124.56	122.55	124.66	0.000943	2.70	60.38	58.55	0.26
Policy Brook	3	9889.609	025_Year	268.10	119.33	125.45	123.62	125.61	0.001240	3.61	103.49	236.35	0.31
Policy Brook	3	9889.609	050_Year	554.80	119.33	126.89	125.18	126.97	0.000687	3.26	334.89	419.69	0.24
Policy Brook	3	9889.609	100_Year	890.70	119.33	127.11	126.13	127.27	0.001276	4.56	381.39	449.44	0.33
Policy Brook	3	9594.661	002_Year	48.10	119.25	122.46	121.21	122.53	0.001348	2.12	22.89	14.50	0.28
Policy Brook	3	9594.661	010_Year	134.40	119.25	124.30	122.21	124.40	0.000813	2.66	59.44	60.77	0.25
Policy Brook	3	9594.661	025_Year	268.10	119.25	124.90	123.15	125.17	0.001781	4.37	77.22	133.15	0.38
Policy Brook	3	9594.661	050_Year	554.80	119.25	126.77	124.60	126.81	0.000382	2.59	503.86	432.79	0.19
Policy Brook	3	9594.661	100_Year	890.70	119.25	126.83	125.98	126.94	0.000897	3.99	521.19	435.22	0.28
Policy Brook	3	9332.502	002_Year	48.10	119.18	122.07	121.05	122.13	0.001780	1.94	24.79	21.06	0.32
Policy Brook	3	9332.502	010_Year	134.40	119.18	124.26	121.94	124.28	0.000217	1.22	147.36	147.80	0.13
Policy Brook	3	9332.502	025_Year	268.10	119.18	124.88	122.70	124.92	0.000367	1.81	212.69	205.94	0.17
Policy Brook	3	9332.502	050_Year	554.80	119.18	126.75	123.64	126.76	0.000076	1.10	1128.37	566.04	0.08
Policy Brook	3	9332.502	100_Year	890.70	119.18	126.80	124.25	126.82	0.000183	1.72	1155.24	566.93	0.13
Policy Brook	3	9292.729	002_Year	50.60	119.17	121.98	120.50	122.06	0.001426	2.26	22.41	10.96	0.28
Policy Brook	3	9292.729	010_Year	138.10	119.17	124.19	121.57	124.25	0.000578	2.16	105.26	97.84	0.19
Policy Brook	3	9292.729	025_Year	275.00	119.17	124.79	122.70	124.88	0.000900	2.97	173.36	190.00	0.25
Policy Brook	3	9292.729	050_Year	520.00	119.17	126.75	124.36	126.76	0.000087	1.17	1097.73	562.95	0.08
Policy Brook	3	9292.729	100_Year	915.70	119.17	126.79	125.16	126.81	0.000252	2.01	1121.27	564.09	0.14
Policy Brook	3	8880.089	Culvert										
Policy Brook	3	8317.556	002_Year	50.60	116.65	120.46	118.15	120.50	0.000550	1.60	31.67	12.77	0.18
Policy Brook	3	8317.556	010_Year	138.10	116.65	121.51	119.27	121.61	0.001449	2.46	60.90	184.20	0.30
Policy Brook	3	8317.556	025_Year	275.00	116.65	123.65	120.40	123.71	0.000390	2.04	156.87	488.33	0.17
Policy Brook	3	8317.556	050_Year	520.00	116.65	126.70	121.84	126.70	0.000003	0.24	5314.40	2020.08	0.02
Policy Brook	3	8317.556	100_Year	915.70	116.65	126.71	122.68	126.71	0.000008	0.42	5331.54	2031.05	0.03
Policy Brook	3	8277.372	002_Year	50.60	117.00	120.34	119.19	120.44	0.002177	2.54	19.89	11.92	0.35
Policy Brook	3	8277.372	010_Year	138.10	117.00	121.49	120.27	121.53	0.001107	2.13	132.80	232.15	0.26
Policy Brook	3	8277.372	025_Year	275.00	117.00	123.67	121.42	123.68	0.000037	0.63	947.11	821.13	0.05
Policy Brook	3	8277.372	050_Year	520.00	117.00	126.70	121.69	126.70	0.000002	0.22	5628.11	2027.59	0.01
Policy Brook	3	8277.372	100_Year	915.70	117.00	126.71	122.03	126.71	0.000007	0.39	5644.84	2028.49	0.03
Policy Brook	3	8245.838	002_Year	50.60	117.50	120.17	119.50	120.33	0.004406	3.21	15.77	11.83	0.49
Policy Brook	3	8245.838	010_Year	138.10	117.50	121.48	120.82	121.49	0.000551	1.41	184.44	239.87	0.19
Policy Brook	3	8245.838	025_Year	275.00	117.50	123.67	121.10	123.68	0.000027	0.54	1086.42	849.40	0.05
Policy Brook	3	8245.838	050_Year	520.00	117.50	126.70	121.41	126.70	0.000002	0.23	5249.85	2018.36	0.02
Policy Brook	3	8245.838	100_Year	915.70	117.50	126.71	121.64	126.71	0.000007	0.40	5264.29	2021.27	0.03
Policy Brook	3	8216.399	002_Year	50.60	118.19	120.21	118.77	120.23	0.000330	1.12	45.21	24.77	0.15
Policy Brook	3	8216.399	010_Year	138.10	118.19	121.41	119.30	121.47	0.000488	1.83	75.28	126.58	0.19
Policy Brook	3	8216.399	025_Year	275.00	118.19	123.58	119.93	123.65	0.000309	2.10	131.03	541.37	0.16
Policy Brook	3	8216.399	050_Year	520.00	118.19	126.70	120.78	126.70	0.000002	0.25	4542.46	1683.69	0.02
Policy Brook	3	8216.399	100_Year	915.70	118.19	126.71	121.89	126.71	0.000007	0.44	4555.95	1684.13	0.03
Policy Brook	3	8152.274	Culvert										
Policy Brook	3	8074.433	002_Year	50.60	117.94	120.13	118.51	120.14	0.000252	1.00	54.53	75.34	0.13
Policy Brook	3	8074.433	010_Year	138.10	117.94	121.13	119.05	121.16	0.000365	1.46	157.18	251.29	0.16
Policy Brook	3	8074.433	025_Year	275.00	117.94	122.94	119.67	122.96	0.000152	1.35	382.31	924.00	0.11
Policy Brook	3	8074.433	050_Year	520.00	117.94	124.30	120.75	124.33	0.000187	1.80	550.68	1720.44	0.13
Policy Brook	3	8074.433	100_Year	915.70	117.94	124.97	121.43	125.04	0.000380	2.76	633.15	2283.39	0.19
Policy Brook	3	7488.432	002_Year	52.40	116.30	119.76		119.80	0.002085	1.64	31.94	39.57	0.32
Policy Brook	3	7488.432	010_Year	140.10	116.30	120.79		120.83	0.000888	1.67	118.48	164.26	0.24
Policy Brook	3	7488.432	025_Year	279.40	116.30	122.89		122.90	0.000075	0.85	869.95	553.63	0.08
Policy Brook	3	7488.432	050_Year	522.60	116.30	124.27		124.27	0.000048	0.84	1756.06	716.15	0.07
Policy Brook	3	7488.432	100_Year	916.40	116.30	124.91		124.92	0.000087	1.22	2256.28	880.81	0.09
Policy Brook	3	6591.132	002_Year	52.40	115.13	118.31	116.94	118.31	0.000069	0.38	309.92	577.42	0.06
Policy Brook	3	6591.132	010_Year	140.10	115.13	120.73	117.66	120.73	0.000003	0.18	2150.91	774.25	0.02
Policy Brook	3	6591.132	025_Year	279.40	115.13	122.85	117.83	122.85	0.000002	0.20	3820.98	813.00	0.01
Policy Brook	3	6591.132	050_Year	522.60	115.13	124.20	118.03	124.20	0.000004	0.29	4978.52	928.65	0.02
Policy Brook	3	6591.132	100_Year	916.40	115.13	124.77	118.29	124.77	0.000008	0.46	5569.89	1183.33	0.03
Policy Brook	3	5852.264	002_Year	251.30	114.17	117.60	117.56	117.69	0.003591	3.77	224.38	596.50	0.47
Policy Brook	3	5852.264	010_Year	654.30	114.17	120.73	117.78	120.73	0.000018	0.50	3042.51	1037.00	0.04
Policy Brook	3	5852.264	025_Year	949.00	114.17	122.84	117.89	122.84	0.000007	0.40	5367.43	1154.68	0.03
Policy Brook	3	5852.264	050_Year	1492.60	114.17	124.20	118.05	124.20	0.000008	0.49	6998.64	1378.71	0.03
Policy Brook	3	5852.264	100_Year	2383.50	114.17	124.76	118.27	124.76	0.000016	0.71	7739.72	1523.74	0.04
Policy Brook	3	5426.726	002_Year	251.30	113.62	117.13	115.71	117.17	0.000576	1.82	167.87	92.38	0.21

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Policy Brook	3	5426.726	010_Year	654.30	113.62	120.70	116.47	120.71	0.000068	1.15	1152.17	499.98	0.08
Policy Brook	3	5426.726	025_Year	949.00	113.62	122.83	116.87	122.84	0.000021	0.79	2472.39	729.65	0.05
Policy Brook	3	5426.726	050_Year	1492.60	113.62	124.19	117.48	124.19	0.000021	0.87	3524.54	871.55	0.05
Policy Brook	3	5426.726	100_Year	2383.50	113.62	124.74	118.33	124.75	0.000039	1.23	3999.48	957.14	0.07
Policy Brook	3	4930.878	002_Year	251.30	112.98	116.59		116.71	0.001631	2.81	89.58	41.98	0.34
Policy Brook	3	4930.878	010_Year	654.30	112.98	120.57		120.64	0.000286	2.28	310.17	69.21	0.17
Policy Brook	3	4930.878	025_Year	949.00	112.98	122.74		122.81	0.000180	2.24	597.58	345.94	0.14
Policy Brook	3	4930.878	050_Year	1492.60	112.98	124.10		124.17	0.000161	2.35	1314.55	706.50	0.14
Policy Brook	3	4930.878	100_Year	2383.50	112.98	124.60		124.70	0.000281	3.22	1693.00	803.52	0.18
Policy Brook	3	4870.725	002_Year	251.30	112.90	116.32	114.91	116.57	0.001991	4.07	68.25	26.94	0.40
Policy Brook	3	4870.725	010_Year	654.30	112.90	120.37	116.51	120.58	0.000646	3.98	203.63	91.11	0.26
Policy Brook	3	4870.725	025_Year	949.00	112.90	122.52	117.41	122.74	0.000508	4.19	280.94	297.72	0.24
Policy Brook	3	4870.725	050_Year	1492.60	112.90	124.08	118.75	124.15	0.000222	3.07	1198.30	582.03	0.16
Policy Brook	3	4870.725	100_Year	2383.50	112.90	124.58	120.40	124.68	0.000361	4.03	1699.09	753.06	0.21
Policy Brook	3	4840.379		Culvert									
Policy Brook	3	4810.343	002_Year	251.30	111.72	115.37	114.08	115.79	0.003893	5.26	51.51	20.05	0.49
Policy Brook	3	4810.343	010_Year	654.30	111.72	116.67	116.25	117.91	0.008123	9.34	81.05	26.50	0.75
Policy Brook	3	4810.343	025_Year	949.00	111.72	117.51	117.24	119.18	0.009091	10.99	101.20	30.48	0.81
Policy Brook	3	4810.343	050_Year	1492.60	111.72	118.61	118.61	121.15	0.011267	13.77	127.58	35.67	0.93
Policy Brook	3	4810.343	100_Year	2383.50	111.72	120.49	120.49	123.92	0.011237	16.18	172.74	45.18	0.97
Policy Brook	3	4749.749	002_Year	251.30	111.63	115.45	113.57	115.53	0.000802	2.30	120.13	80.19	0.25
Policy Brook	3	4749.749	010_Year	654.30	111.63	117.14	114.74	117.24	0.000668	2.90	326.22	146.60	0.24
Policy Brook	3	4749.749	025_Year	949.00	111.63	118.21	115.56	118.31	0.000505	2.92	500.37	181.78	0.22
Policy Brook	3	4749.749	050_Year	1492.60	111.63	119.13	116.53	119.26	0.000599	3.53	676.89	208.68	0.25
Policy Brook	3	4749.749	100_Year	2383.50	111.63	120.22	117.33	120.40	0.000730	4.32	922.49	245.34	0.28
Policy Brook	3	3785.535	002_Year	251.30	110.12	114.53	113.75	114.58	0.001198	2.31	191.92	209.81	0.28
Policy Brook	3	3785.535	010_Year	654.30	110.12	116.90	114.47	116.91	0.000167	1.39	727.32	236.24	0.12
Policy Brook	3	3785.535	025_Year	949.00	110.12	118.03	114.74	118.05	0.000131	1.44	1002.05	252.63	0.11
Policy Brook	3	3785.535	050_Year	1492.60	110.12	118.89	115.07	118.92	0.000176	1.85	1265.28	434.21	0.13
Policy Brook	3	3785.535	100_Year	2383.50	110.12	119.94	115.50	119.98	0.000216	2.27	1796.64	538.45	0.15
Policy Brook	3	3561.745	002_Year	251.30	109.77	114.23		114.28	0.001511	2.48	196.33	249.35	0.31
Policy Brook	3	3561.745	010_Year	654.30	109.77	116.87		116.88	0.000111	1.14	890.26	273.32	0.10
Policy Brook	3	3561.745	025_Year	949.00	109.77	118.01		118.02	0.000091	1.20	1209.64	289.92	0.09
Policy Brook	3	3561.745	050_Year	1492.60	109.77	118.87		118.89	0.000129	1.57	1467.42	324.74	0.11
Policy Brook	3	3561.745	100_Year	2383.50	109.77	119.90		119.93	0.000185	2.08	1840.00	396.55	0.14
Policy Brook	3	3496.305	002_Year	251.30	109.67	114.17		114.21	0.000768	1.74	189.54	188.50	0.23
Policy Brook	3	3496.305	010_Year	654.30	109.67	116.86		116.88	0.000092	1.10	879.13	272.71	0.09
Policy Brook	3	3496.305	025_Year	949.00	109.67	118.00		118.02	0.000077	1.17	1197.89	288.12	0.09
Policy Brook	3	3496.305	050_Year	1492.60	109.67	118.86		118.88	0.000111	1.54	1451.20	306.73	0.11
Policy Brook	3	3496.305	100_Year	2383.50	109.67	119.88		119.92	0.000161	2.05	1805.50	385.05	0.13
Policy Brook	3	3451.305	002_Year	254.00	109.60	114.07	111.63	114.16	0.000641	2.46	113.32	94.54	0.22
Policy Brook	3	3451.305	010_Year	656.10	109.60	116.66	113.12	116.82	0.000599	3.38	223.44	180.52	0.24
Policy Brook	3	3451.305	025_Year	955.60	109.60	117.96	113.85	118.00	0.000212	2.28	847.00	317.56	0.15
Policy Brook	3	3451.305	050_Year	1499.40	109.60	118.80	115.00	118.86	0.000271	2.76	1133.52	362.55	0.17
Policy Brook	3	3451.305	100_Year	2380.80	109.60	119.83	116.33	119.90	0.000327	3.27	1525.38	401.76	0.19
Policy Brook	3	3420.783		Culvert									
Policy Brook	3	3390.376	002_Year	254.00	109.74	113.78	111.71	113.94	0.001314	3.23	78.53	24.02	0.31
Policy Brook	3	3390.376	010_Year	656.10	109.74	115.62	113.29	116.08	0.002081	5.43	120.88	32.33	0.42
Policy Brook	3	3390.376	025_Year	955.60	109.74	116.32	114.14	117.08	0.002915	6.98	136.91	37.73	0.50
Policy Brook	3	3390.376	050_Year	1499.40	109.74	116.70	115.46	118.35	0.005822	10.29	145.78	41.57	0.72
Policy Brook	3	3390.376	100_Year	2380.80	109.74	118.46	118.46	119.77	0.004391	9.98	388.73	205.24	0.64
Policy Brook	3	3330.329	002_Year	254.00	109.71	113.62	112.61	113.83	0.003840	3.65	69.87	45.63	0.50
Policy Brook	3	3330.329	010_Year	656.10	109.71	115.79	114.22	115.83	0.000456	1.98	502.65	251.68	0.19
Policy Brook	3	3330.329	025_Year	955.60	109.71	116.64	114.59	116.68	0.000339	1.99	719.89	258.42	0.17
Policy Brook	3	3330.329	050_Year	1499.40	109.71	117.45	115.03	117.51	0.000385	2.40	932.13	265.32	0.19
Policy Brook	3	3330.329	100_Year	2380.80	109.71	118.49	115.49	118.57	0.000439	2.91	1212.75	274.58	0.21
Policy Brook	3	2176.204	002_Year	254.00	109.02	113.40	111.07	113.41	0.000092	0.85	615.44	333.34	0.09
Policy Brook	3	2176.204	010_Year	656.10	109.02	115.65	111.65	115.66	0.000064	1.03	1473.05	556.68	0.08
Policy Brook	3	2176.204	025_Year	955.60	109.02	116.50	111.99	116.51	0.000074	1.21	1884.81	637.52	0.09
Policy Brook	3	2176.204	050_Year	1499.40	109.02	117.28	112.46	117.30	0.000088	1.44	2722.72	703.52	0.10
Policy Brook	3	2176.204	100_Year	2380.80	109.02	118.28	112.99	118.30	0.000116	1.81	3445.54	744.09	0.11
Policy Brook	3	1257.926	002_Year	254.00	108.48	113.24	110.56	113.27	0.000259	1.57	287.85	373.15	0.15
Policy Brook	3	1257.926	010_Year	656.10	108.48	115.53	111.78	115.56	0.000165	1.75	941.47	621.05	0.13
Policy Brook	3	1257.926	025_Year	955.60	108.48	116.36	112.51	116.40	0.000185	2.03	1208.10	713.81	0.14
Policy Brook	3	1257.926	050_Year	1499.40	108.48	117.18	113.32	117.20	0.000126	1.81	2789.70	808.23	0.12

Policy Brook	3	1257.926	100_Year	2380.80	108.48	118.15	PolicyBrook_EXIST.rep		0.000164	2.23	3512.66	832.14	0.14
							113.73	118.18					
Policy Brook	3	177.2269	002_Year	254.00	108.45	112.79	110.47	112.86	0.000601	2.10	121.12	49.13	0.21
Policy Brook	3	177.2269	010_Year	656.10	108.45	115.14	111.68	115.25	0.000601	2.71	280.67	185.04	0.23
Policy Brook	3	177.2269	025_Year	955.60	108.45	115.94	112.35	116.06	0.000601	3.02	474.29	394.11	0.23
Policy Brook	3	177.2269	050_Year	1499.40	108.45	116.80	113.36	116.93	0.000600	3.35	769.00	569.25	0.24
Policy Brook	3	177.2269	100_Year	2380.80	108.45	117.73	115.18	117.86	0.000601	3.69	1393.26	765.61	0.25
CulvertB	1	1304	002_Year	32.60	120.42	125.66	122.13	125.77	0.002012	2.64	12.34		0.20
CulvertB	1	1304	010_Year	52.90	120.42	128.58	122.62	128.62	0.001768	2.11	68.70	271.76	0.10
CulvertB	1	1304	025_Year	168.40	120.42	129.24	124.16	129.24	0.000279	0.95	444.72	789.37	0.03
CulvertB	1	1304	050_Year	298.90	120.42	129.32	128.83	129.33	0.000591	1.40	512.39	822.59	0.04
CulvertB	1	1304	100_Year	439.20	120.42	129.49	128.92	129.50	0.000638	1.50	656.53	863.10	0.04
CulvertB	1	10	002_Year	32.60	118.38	123.06	120.09	123.17	0.002012	2.64	12.34		0.22
CulvertB	1	10	010_Year	52.90	118.38	124.59	120.59	124.87	0.005297	4.29	12.34		0.30
CulvertB	1	10	025_Year	168.40	118.38	124.23	122.12	127.13	0.053677	13.65	12.34		0.99
CulvertB	1	10	050_Year	298.90	118.38	126.91	126.91	127.17	0.013473	6.13	97.49	172.12	0.24
CulvertB	1	10	100_Year	439.20	118.38	127.25	127.08	127.42	0.008510	5.19	163.28	208.26	0.19

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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PROJECT DATA
Project Title: PolicyBrk_Proposed
Project File : PolicyBrook_Propose.prj
Run Date and Time: 7/31/2017 3:25:40 PM

Project in English units

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	w.S. Elev (ft)	Crit w.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top width (ft)	Froude # Ch1
West Policy Brk	2	5119.913	001 Year	9.10	128.40	129.76	128.78	129.77	0.000761	0.84	10.87	9.40	0.14
West Policy Brk	2	5119.913	002 Year	28.80	128.40	130.63	129.21	130.66	0.001374	1.45	19.80	11.20	0.19
West Policy Brk	2	5119.913	010 Year	151.30	128.40	134.00	130.64	134.05	0.000799	1.77	85.43	44.48	0.17
West Policy Brk	2	5119.913	025 Year	268.10	128.40	135.35	131.54	135.39	0.000703	1.56	172.14	58.52	0.16
West Policy Brk	2	5119.913	050 Year	373.80	128.40	135.79	132.45	135.85	0.000941	1.88	198.77	63.60	0.19
West Policy Brk	2	5119.913	100 Year	492.20	128.40	136.18	132.87	136.25	0.001171	2.20	224.40	71.55	0.21
West Policy Brk	2	5043.913	Culvert										
West Policy Brk	2	5009.594	001 Year	9.10	128.00	129.58	128.55	129.60	0.001076	0.98	9.25	8.11	0.16
West Policy Brk	2	5009.594	002 Year	28.80	128.00	129.84	129.09	129.94	0.006014	2.52	11.45	9.58	0.39
West Policy Brk	2	5009.594	010 Year	151.30	128.00	130.70	130.70	131.58	0.036166	7.54	20.07	107.34	1.00
West Policy Brk	2	5009.594	025 Year	268.10	128.00	131.66	131.66	132.14	0.038854	5.55	48.26	450.18	1.00
West Policy Brk	2	5009.594	050 Year	373.80	128.00	131.90	131.90	132.49	0.036439	6.16	60.68	544.98	1.00
West Policy Brk	2	5009.594	100 Year	492.20	128.00	132.14	132.14	132.84	0.034275	6.75	72.90	593.65	1.00
West Policy Brk	2	4854.862	001 Year	9.10	128.00	129.56		129.57	0.000897	0.82	24.91	122.98	0.15
West Policy Brk	2	4854.862	002 Year	28.80	128.00	129.80		129.81	0.001872	1.28	59.20	173.70	0.22
West Policy Brk	2	4854.862	010 Year	151.30	128.00	130.64		130.64	0.001373	0.83	296.75	403.89	0.18
West Policy Brk	2	4854.862	025 Year	268.10	128.00	131.05		131.05	0.001112	0.87	502.35	559.65	0.17
West Policy Brk	2	4854.862	050 Year	373.80	128.00	131.28		131.29	0.001080	1.02	639.09	607.72	0.17
West Policy Brk	2	4854.862	100 Year	492.20	128.00	131.56		131.57	0.000992	1.13	813.80	646.91	0.17
West Policy Brk	2	4595.263	001 Year	9.10	128.36	129.04	128.75	129.05	0.004975	1.00	9.35	35.46	0.31
West Policy Brk	2	4595.263	002 Year	28.80	128.36	129.56	129.03	129.56	0.000489	0.56	140.78	559.58	0.11
West Policy Brk	2	4595.263	010 Year	151.30	128.36	130.58	129.52	130.58	0.000085	0.41	951.27	978.59	0.05
West Policy Brk	2	4595.263	025 Year	268.10	128.36	130.98	129.63	130.98	0.000096	0.50	1346.08	1143.12	0.06
West Policy Brk	2	4595.263	050 Year	373.80	128.36	131.21	129.70	131.21	0.000118	0.59	1577.09	1264.95	0.07
West Policy Brk	2	4595.263	100 Year	492.20	128.36	131.49	129.77	131.49	0.000115	0.62	2060.26	1520.02	0.07
West Policy Brk	2	4335.653	001 Year	9.10	128.29	128.95	128.53	128.96	0.000137	0.20	45.87	106.61	0.05
West Policy Brk	2	4335.653	002 Year	28.80	128.29	129.52	128.62	129.52	0.000087	0.26	111.13	122.52	0.05
West Policy Brk	2	4335.653	010 Year	151.30	128.29	130.54	128.92	130.55	0.000212	0.59	261.10	1494.19	0.08
West Policy Brk	2	4335.653	025 Year	268.10	128.29	130.94	129.11	130.95	0.000315	0.84	344.36	2178.29	0.10
West Policy Brk	2	4335.653	050 Year	373.80	128.29	131.17	129.26	131.17	0.000236	0.78	831.28	2526.20	0.09
West Policy Brk	2	4335.653	100 Year	492.20	128.29	131.46	129.40	131.46	0.000121	0.61	1932.44	2654.57	0.07
West Policy Brk	2	3928.873	001 Year	9.10	127.46	128.85		128.85	0.000596	0.58	16.47	35.77	0.12
West Policy Brk	2	3928.873	002 Year	28.80	127.46	129.44		129.45	0.000542	0.76	62.42	150.67	0.12
West Policy Brk	2	3928.873	010 Year	151.30	127.46	130.43		130.44	0.000339	0.90	506.73	651.74	0.11
West Policy Brk	2	3928.873	025 Year	268.10	127.46	130.81		130.81	0.000352	1.02	773.36	790.40	0.11
West Policy Brk	2	3928.873	050 Year	373.80	127.46	131.05		131.05	0.000380	1.13	970.54	854.59	0.12
West Policy Brk	2	3928.873	100 Year	492.20	127.46	131.38		131.39	0.000311	1.10	1275.83	956.08	0.11
West Policy Brk	2	3522.092	001 Year	9.10	126.90	127.80	127.80	128.03	0.051561	3.83	2.38	5.26	1.00
West Policy Brk	2	3522.092	002 Year	28.80	126.90	128.33	128.33	128.69	0.044059	4.81	5.98	8.35	1.00
West Policy Brk	2	3522.092	010 Year	151.30	126.90	129.64	129.64	129.94	0.043158	4.39	34.50	681.33	0.99
West Policy Brk	2	3522.092	025 Year	268.10	126.90	129.97	129.97	130.30	0.038185	4.63	62.33	866.29	0.96

PolicyBrook_Propose.rep																
West	Policy	Brk	2	3522.092	050	Year	373.80	126.90	130.25	130.20	130.52	0.029065	4.27	100.65	993.95	0.85
West	Policy	Brk	2	3522.092	100	Year	492.20	126.90	131.31	130.33	131.31	0.000123	0.48	1937.72	1182.54	0.06
West	Policy	Brk	2	3086.213	001	Year	9.10	126.04	126.93		126.93	0.000496	0.36	26.92	82.46	0.10
West	Policy	Brk	2	3086.213	002	Year	28.80	126.04	127.32		127.32	0.000459	0.51	69.85	138.15	0.11
West	Policy	Brk	2	3086.213	010	Year	151.30	126.04	128.59		128.59	0.000195	0.65	426.69	393.52	0.08
West	Policy	Brk	2	3086.213	025	Year	268.10	126.04	129.65		129.65	0.000083	0.56	951.39	552.71	0.06
West	Policy	Brk	2	3086.213	050	Year	373.80	126.04	130.34		130.34	0.000061	0.56	1338.50	576.59	0.05
West	Policy	Brk	2	3086.213	100	Year	492.20	126.04	131.28		131.28	0.000038	0.51	1939.92	731.49	0.04
West	Policy	Brk	2	2650.328	001	Year	9.10	125.73	126.43	126.11	126.45	0.004264	1.09	8.38	19.95	0.30
West	Policy	Brk	2	2650.328	002	Year	28.80	125.73	126.77	126.41	126.81	0.007199	1.76	16.39	28.06	0.41
West	Policy	Brk	2	2650.328	010	Year	151.30	125.73	128.35	127.17	128.39	0.002418	1.48	101.92	99.16	0.26
West	Policy	Brk	2	2650.328	025	Year	268.10	125.73	129.56	127.59	129.58	0.000491	1.06	305.75	450.16	0.13
West	Policy	Brk	2	2650.328	050	Year	373.80	125.73	130.28	127.93	130.29	0.000299	1.01	492.94	683.69	0.11
West	Policy	Brk	2	2650.328	100	Year	492.20	125.73	131.24	128.21	131.25	0.000152	0.88	790.51	875.62	0.08
West	Policy	Brk	2	2624.007	001	Year	9.10	125.80	126.10	126.09	126.18	0.054191	2.23	4.08	22.24	0.92
West	Policy	Brk	2	2624.007	002	Year	28.80	125.80	126.38	126.30	126.48	0.026325	2.54	11.33	29.51	0.72
West	Policy	Brk	2	2624.007	010	Year	151.30	125.80	128.30	126.93	128.33	0.001756	1.36	111.42	97.57	0.22
West	Policy	Brk	2	2624.007	025	Year	268.10	125.80	129.56	127.34	129.57	0.000355	0.93	378.28	378.85	0.11
West	Policy	Brk	2	2624.007	050	Year	373.80	125.80	130.28	127.70	130.28	0.000156	0.75	776.02	704.06	0.08
West	Policy	Brk	2	2624.007	100	Year	492.20	125.80	131.25	127.92	131.25	0.000043	0.47	1631.60	999.81	0.04
West	Policy	Brk	2	2583.834	001	Year	9.80	124.66	125.11	124.96	125.18	0.014833	2.03	4.82	10.82	0.54
West	Policy	Brk	2	2583.834	002	Year	32.10	124.66	125.66	125.32	125.80	0.012108	2.96	10.86	11.21	0.53
West	Policy	Brk	2	2583.834	010	Year	170.10	124.66	127.73	126.62	128.09	0.009624	4.77	35.65	12.69	0.50
West	Policy	Brk	2	2583.834	025	Year	278.60	124.66	129.08	127.37	129.42	0.011788	4.73	58.86	146.62	0.57
West	Policy	Brk	2	2583.834	050	Year	348.00	124.66	129.92	127.78	130.19	0.006042	4.11	84.69	365.57	0.43
West	Policy	Brk	2	2583.834	100	Year	489.10	124.66	131.24	129.15	131.25	0.000116	0.66	1347.68	1036.64	0.06
West	Policy	Brk	2	2546.321			Culvert									
West	Policy	Brk	2	1945.455	001	Year	10.40	123.80	124.09	124.09	124.22	0.036724	2.90	3.59	13.76	1.00
West	Policy	Brk	2	1945.455	002	Year	33.80	123.80	124.41	124.41	124.66	0.030149	4.02	8.41	16.94	1.01
West	Policy	Brk	2	1945.455	010	Year	176.70	123.80	125.37	125.37	125.98	0.022918	6.24	28.30	23.70	1.01
West	Policy	Brk	2	1945.455	025	Year	286.70	123.80	125.86	125.86	126.63	0.021155	7.03	40.76	26.76	1.00
West	Policy	Brk	2	1945.455	050	Year	356.00	123.80	126.11	126.11	126.98	0.020267	7.49	47.62	28.21	1.00
West	Policy	Brk	2	1945.455	100	Year	497.80	123.80	128.04		128.39	0.003109	4.80	112.57	39.10	0.44
West	Policy	Brk	2	1887.409	001	Year	10.40	120.14	123.98		123.98	0.000003	0.11	95.96	39.88	0.01
West	Policy	Brk	2	1887.409	002	Year	33.80	120.14	124.20		124.20	0.000021	0.32	104.90	41.60	0.03
West	Policy	Brk	2	1887.409	010	Year	176.70	120.14	125.05		125.08	0.000226	1.28	143.07	48.31	0.12
West	Policy	Brk	2	1887.409	025	Year	286.70	120.14	125.56		125.61	0.000375	1.80	168.80	52.37	0.16
West	Policy	Brk	2	1887.409	050	Year	356.00	120.14	126.43		126.48	0.000295	1.82	217.21	59.24	0.14
West	Policy	Brk	2	1887.409	100	Year	497.80	120.14	128.17		128.21	0.000195	1.81	331.48	72.41	0.12
West	Policy	Brk	2	1818.591	001	Year	10.40	120.00	123.98		123.98	0.000001	0.07	154.67	53.14	0.01
West	Policy	Brk	2	1818.591	002	Year	33.80	120.00	124.20		124.20	0.000007	0.20	166.50	54.77	0.02
West	Policy	Brk	2	1818.591	010	Year	176.70	120.00	125.05		125.06	0.000093	0.82	215.76	61.11	0.08
West	Policy	Brk	2	1818.591	025	Year	286.70	120.00	125.57		125.59	0.000165	1.16	248.16	64.97	0.10
West	Policy	Brk	2	1818.591	050	Year	356.00	120.00	126.44		126.46	0.000130	1.17	307.66	71.73	0.10
West	Policy	Brk	2	1818.591	100	Year	497.80	120.00	128.18		128.20	0.000087	1.18	445.09	87.29	0.08
West	Policy	Brk	2	1634.729	001	Year	10.40	114.00	123.98		123.98	0.000000	0.01	1271.89	239.69	0.00
West	Policy	Brk	2	1634.729	002	Year	33.80	114.00	124.20		124.20	0.000000	0.03	1324.98	243.35	0.00
West	Policy	Brk	2	1634.729	010	Year	176.70	114.00	125.06		125.06	0.000001	0.13	1539.22	257.52	0.01
West	Policy	Brk	2	1634.729	025	Year	286.70	114.00	125.58		125.58	0.000002	0.20	1675.82	267.94	0.01
West	Policy	Brk	2	1634.729	050	Year	356.00	114.00	126.45		126.45	0.000002	0.22	1922.73	294.21	0.01
West	Policy	Brk	2	1634.729	100	Year	497.80	114.00	128.19		128.19	0.000002	0.25	2445.20	306.76	0.01
West	Policy	Brk	2	1534.261	001	Year	10.40	114.00	123.98		123.98	0.000000	0.01	903.44	178.72	0.00
West	Policy	Brk	2	1534.261	002	Year	33.80	114.00	124.20		124.20	0.000000	0.04	943.12	182.40	0.00
West	Policy	Brk	2	1534.261	010	Year	176.70	114.00	125.06		125.06	0.000002	0.17	1105.01	195.69	0.01
West	Policy	Brk	2	1534.261	025	Year	286.70	114.00	125.58		125.58	0.000004	0.26	1209.64	207.03	0.02
West	Policy	Brk	2	1534.261	050	Year	356.00	114.00	126.45		126.45	0.000004	0.28	1402.60	231.66	0.02
West	Policy	Brk	2	1534.261	100	Year	497.80	114.00	128.19		128.19	0.000004	0.31	1816.04	243.94	0.02
West	Policy	Brk	2	1490.863	001	Year	10.40	114.00	123.98		123.98	0.000000	0.02	693.46	154.29	0.00
West	Policy	Brk	2	1490.863	002	Year	33.80	114.00	124.20		124.20	0.000000	0.05	727.79	158.09	0.00
West	Policy	Brk	2	1490.863	010	Year	176.70	114.00	125.06		125.06	0.000004	0.22	868.67	171.36	0.02
West	Policy	Brk	2	1490.863	025	Year	286.70	114.00	125.58		125.58	0.000007	0.33	959.84	179.45	0.02
West	Policy	Brk	2	1490.863	050	Year	356.00	114.00	126.45		126.45	0.000007	0.36	1130.07	207.48	0.02
West	Policy	Brk	2	1490.863	100	Year	497.80	114.00	128.19		128.19	0.000006	0.38	1501.43	219.72	0.02
West	Policy	Brk	2	1415.031	001	Year	10.40	118.00	123.98		123.98	0.000000	0.03	381.63	126.05	0.00
West	Policy	Brk	2	1415.031	002	Year	33.80	118.00	124.20		124.20					

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West Policy Brk	2	1415.031	050 Year	356.00	118.00	126.44	126.45	0.000027	0.56	750.66	179.24	0.04	
West Policy Brk	2	1415.031	100 Year	497.80	118.00	128.18	128.19	0.000018	0.57	1073.83	192.99	0.04	
West Policy Brk	2	1253.992	001 Year	10.40	120.00	123.98	123.98	0.000001	0.07	173.84	82.04	0.01	
West Policy Brk	2	1253.992	002 Year	33.80	120.00	124.20	124.20	0.000010	0.22	192.16	85.41	0.02	
West Policy Brk	2	1253.992	010 Year	176.70	120.00	125.04	125.05	0.000115	0.81	269.31	97.58	0.08	
West Policy Brk	2	1253.992	025 Year	286.70	120.00	125.55	125.57	0.000189	1.11	320.59	104.52	0.11	
West Policy Brk	2	1253.992	050 Year	356.00	120.00	126.42	126.44	0.000143	1.06	417.00	115.98	0.10	
West Policy Brk	2	1253.992	100 Year	497.80	120.00	128.17	128.18	0.000088	0.97	639.32	139.02	0.08	
West Policy Brk	2	1235.739	001 Year	10.40	120.00	123.98	120.37	123.98	0.000002	0.10	108.99	60.19	0.01
West Policy Brk	2	1235.739	002 Year	33.80	120.00	124.20	120.77	124.20	0.000014	0.29	117.26	62.64	0.03
West Policy Brk	2	1235.739	010 Year	176.70	120.00	125.02	121.87	125.05	0.000171	1.19	148.54	67.50	0.11
West Policy Brk	2	1235.739	025 Year	286.70	120.00	125.51	122.30	125.55	0.000304	1.72	166.95	70.03	0.14
West Policy Brk	2	1235.739	050 Year	356.00	120.00	126.38	122.50	126.43	0.000257	1.78	199.96	75.16	0.14
West Policy Brk	2	1235.739	100 Year	497.80	120.00	128.11	122.86	128.17	0.000194	1.87	265.92	86.43	0.12
West Policy Brk	2	1207.33		Culvert									
West Policy Brk	2	1104.084	001 Year	10.40	120.00	123.98	120.36	123.98	0.000003	0.12	85.21	32.86	0.01
West Policy Brk	2	1104.084	002 Year	33.80	120.00	124.20	120.76	124.20	0.000025	0.37	92.42	34.12	0.04
West Policy Brk	2	1104.084	010 Year	176.70	120.00	124.97	121.89	125.00	0.000313	1.51	120.47	38.77	0.14
West Policy Brk	2	1104.084	025 Year	286.70	120.00	125.38	122.40	125.45	0.000573	2.20	136.96	41.25	0.19
West Policy Brk	2	1104.084	050 Year	356.00	120.00	126.20	122.68	126.28	0.000468	2.25	172.84	46.20	0.18
West Policy Brk	2	1104.084	100 Year	497.80	120.00	127.73	123.18	127.81	0.000350	2.33	250.31	55.38	0.16
West Policy Brk	2	1076.659	001 Year	10.40	120.01	123.98		123.98	0.000003	0.13	83.35	34.05	0.01
West Policy Brk	2	1076.659	002 Year	33.80	120.01	124.20		124.20	0.000025	0.41	90.79	35.41	0.04
West Policy Brk	2	1076.659	010 Year	176.70	120.01	124.95		124.99	0.000334	1.70	119.30	40.15	0.15
West Policy Brk	2	1076.659	025 Year	286.70	120.01	125.35		125.44	0.000633	2.49	135.62	42.54	0.21
West Policy Brk	2	1076.659	050 Year	356.00	120.01	126.17		126.26	0.000530	2.55	172.69	47.53	0.20
West Policy Brk	2	1076.659	100 Year	497.80	120.01	127.70		127.79	0.000406	2.64	252.45	56.80	0.18
West Policy Brk	2	1047.767	001 Year	10.40	123.80	123.92	123.92	123.98	0.047885	1.94	5.36	46.00	1.00
West Policy Brk	2	1047.767	002 Year	33.80	123.80	124.06	124.06	124.18	0.036807	2.85	11.87	46.87	1.00
West Policy Brk	2	1047.767	010 Year	176.70	123.80	124.56	124.56	124.93	0.026231	4.85	36.41	50.01	1.00
West Policy Brk	2	1047.767	025 Year	286.70	123.80	124.85	124.85	125.34	0.023944	5.65	50.76	51.76	1.01
West Policy Brk	2	1047.767	050 Year	356.00	123.80	126.09		126.23	0.002403	2.99	119.93	59.40	0.36
West Policy Brk	2	1047.767	100 Year	497.80	123.80	127.69		127.77	0.000704	2.35	222.91	69.46	0.21
West Policy Brk	2	1025.149	001 Year	10.40	119.00	120.37		120.40	0.002630	1.27	8.19	13.97	0.29
West Policy Brk	2	1025.149	002 Year	33.80	119.00	121.20		121.23	0.001259	1.40	25.85	28.23	0.23
West Policy Brk	2	1025.149	010 Year	176.70	119.00	123.26		123.32	0.000787	2.19	113.66	53.38	0.22
West Policy Brk	2	1025.149	025 Year	286.70	119.00	124.91		124.96	0.000415	2.10	214.08	68.64	0.17
West Policy Brk	2	1025.149	050 Year	356.00	119.00	126.14		126.19	0.000262	1.94	306.61	81.38	0.14
West Policy Brk	2	1025.149	100 Year	497.80	119.00	127.71		127.75	0.000202	1.98	446.28	96.17	0.13
West Policy Brk	2	990.9073	001 Year	10.40	119.50	120.33		120.35	0.000857	0.92	17.39	41.68	0.18
West Policy Brk	2	990.9073	002 Year	33.80	119.50	121.19		121.20	0.000387	1.01	61.49	58.66	0.14
West Policy Brk	2	990.9073	010 Year	176.70	119.50	123.27		123.29	0.000354	1.65	208.04	78.17	0.15
West Policy Brk	2	990.9073	025 Year	286.70	119.50	124.92		124.94	0.000216	1.65	344.77	87.31	0.13
West Policy Brk	2	990.9073	050 Year	356.00	119.50	126.16		126.17	0.000149	1.57	456.52	94.00	0.11
West Policy Brk	2	990.9073	100 Year	497.80	119.50	127.72		127.74	0.000128	1.68	610.54	102.65	0.10
West Policy Brk	2	893.2678	001 Year	10.40	119.39	120.24		120.26	0.000995	0.95	11.38	18.54	0.19
West Policy Brk	2	893.2678	002 Year	33.80	119.39	121.13		121.15	0.000604	1.24	36.28	37.34	0.17
West Policy Brk	2	893.2678	010 Year	176.70	119.39	123.20		123.24	0.000563	2.07	146.85	62.82	0.19
West Policy Brk	2	893.2678	025 Year	286.70	119.39	124.88		124.92	0.000316	2.00	261.13	73.19	0.15
West Policy Brk	2	893.2678	050 Year	356.00	119.39	126.12		126.15	0.000210	1.87	356.90	80.64	0.13
West Policy Brk	2	893.2678	100 Year	497.80	119.39	127.69		127.73	0.000174	1.96	491.23	90.48	0.12
West Policy Brk	2	511.8787	001 Year	10.40	118.92	119.94		119.95	0.000647	0.85	12.29	15.05	0.16
West Policy Brk	2	511.8787	002 Year	33.80	118.92	120.94		120.96	0.000427	1.14	39.30	34.52	0.15
West Policy Brk	2	511.8787	010 Year	176.70	118.92	122.96		123.02	0.000614	2.23	132.76	55.03	0.20
West Policy Brk	2	511.8787	025 Year	286.70	118.92	124.74		124.79	0.000344	2.15	241.10	66.61	0.16
West Policy Brk	2	511.8787	050 Year	356.00	118.92	126.03		126.07	0.000231	2.01	332.45	75.40	0.13
West Policy Brk	2	511.8787	100 Year	497.80	118.92	127.61		127.65	0.000204	2.17	481.48	161.47	0.13
West Policy Brk	2	225.1332	001 Year	10.40	118.66	119.73	119.02	119.75	0.000796	0.96	10.96	14.48	0.18
West Policy Brk	2	225.1332	002 Year	33.80	118.66	120.83	119.43	120.84	0.000380	1.12	49.98	53.70	0.14
West Policy Brk	2	225.1332	010 Year	176.70	118.66	122.83	120.76	122.86	0.000453	1.94	171.77	66.99	0.17
West Policy Brk	2	225.1332	025 Year	286.70	118.66	124.67	121.18	124.70	0.000244	1.84	305.57	78.07	0.13
West Policy Brk	2	225.1332	050 Year	356.00	118.66	125.99	121.38	126.01	0.000166	1.73	413.90	87.39	0.11
West Policy Brk	2	225.1332	100 Year	497.80	118.66	127.57	121.74	127.60	0.000162	1.96	582.26	123.80	0.12
Unnamed Brook	1	1803.202	001 Year	1.00	125.80	125.93	125.93	125.96	0.033352	1.30	0.77	11.16	0.87
Unnamed Brook	1	1803.202	002 Year	5.70	125.80	126.06	126.06	126.10	0.027311	1.80	4.02	46.58	0.88
Unnamed Brook	1	1803.202	010 Year	53.50	125.80	127.95		127.95	0.000013	0.22	376.64	260.54	0.03
Unnamed Brook	1	1803.202	025 Year	111.10	125.80	128.11		128.12	0.000040	0.41	421.04	265.72	0.05

PolicyBrook_Propose.rep													
Unnamed	Brook	1	1803.202	050 Year	166.90	125.80	128.34	128.35	0.000059	0.54	482.36	271.60	0.07
Unnamed	Brook	1	1803.202	100 Year	231.80	125.80	128.52	128.53	0.000086	0.68	534.30	294.16	0.08
Unnamed	Brook	1	1022.286	001 Year	1.00	124.57	124.68	124.68	0.000330	0.13	13.84	152.01	0.09
Unnamed	Brook	1	1022.286	002 Year	5.70	124.57	124.83	124.83	0.000396	0.28	41.43	210.21	0.11
Unnamed	Brook	1	1022.286	010 Year	53.50	124.57	127.94	127.94	0.000002	0.12	1227.46	526.67	0.01
Unnamed	Brook	1	1022.286	025 Year	111.10	124.57	128.11	128.11	0.000006	0.24	1313.15	528.58	0.02
Unnamed	Brook	1	1022.286	050 Year	166.90	124.57	128.33	128.33	0.000010	0.33	1431.14	531.37	0.03
Unnamed	Brook	1	1022.286	100 Year	231.80	124.57	128.50	128.50	0.000017	0.42	1523.80	533.94	0.04
Unnamed	Brook	1	798.5392	001 Year	1.00	124.28	124.39	124.39	0.031416	1.16	1.18	33.00	0.83
Unnamed	Brook	1	798.5392	002 Year	5.70	124.28	124.47	124.47	0.042222	2.01	4.58	49.15	1.07
Unnamed	Brook	1	798.5392	010 Year	53.50	124.28	127.94	127.94	0.000010	0.31	432.80	160.48	0.03
Unnamed	Brook	1	798.5392	025 Year	111.10	124.28	128.10	128.10	0.000037	0.62	458.59	165.56	0.06
Unnamed	Brook	1	798.5392	050 Year	166.90	124.28	128.32	128.32	0.000068	0.87	495.51	172.74	0.08
Unnamed	Brook	1	798.5392	100 Year	231.80	124.28	128.49	128.49	0.000112	1.16	524.76	177.50	0.10
Unnamed	Brook	1	772.176	001 Year	1.00	123.39	123.71	123.47	0.000302	0.32	3.09	10.49	0.11
Unnamed	Brook	1	772.176	002 Year	5.70	123.39	124.14	123.62	0.000523	0.71	8.06	12.71	0.16
Unnamed	Brook	1	772.176	010 Year	53.50	123.39	127.94	124.35	0.000035	0.62	96.39	143.23	0.05
Unnamed	Brook	1	772.176	025 Year	111.10	123.39	128.09	124.86	0.000089	1.01	173.51	154.17	0.09
Unnamed	Brook	1	772.176	050 Year	166.90	123.39	128.29	125.25	0.000159	1.39	193.97	216.02	0.12
Unnamed	Brook	1	772.176	100 Year	231.80	123.39	128.47	125.63	0.000177	1.51	298.95	263.25	0.12
Unnamed	Brook	1	739.2546		Culvert								
Unnamed	Brook	1	53.0134	001 Year	1.00	121.39	123.03	121.46	0.000001	0.05	19.57	15.10	0.01
Unnamed	Brook	1	53.0134	002 Year	5.70	121.39	123.21	121.62	0.000024	0.25	22.38	15.80	0.04
Unnamed	Brook	1	53.0134	010 Year	53.50	121.39	124.20	122.36	0.000420	1.34	40.10	28.49	0.17
Unnamed	Brook	1	53.0134	025 Year	111.10	121.39	125.18	122.91	0.000309	1.49	120.49	436.91	0.15
Unnamed	Brook	1	53.0134	050 Year	166.90	121.39	126.20	123.32	0.000173	1.36	209.91	668.67	0.12
Unnamed	Brook	1	53.0134	100 Year	231.80	121.39	127.58	123.72	0.000090	1.19	330.87	1012.91	0.09
Unnamed	Brook	1	34.11355	001 Year	1.00	121.37	123.03	121.78	0.000019	0.15	6.45	7.79	0.03
Unnamed	Brook	1	34.11355	002 Year	5.70	121.37	123.20	122.19	0.000368	0.73	7.86	8.59	0.13
Unnamed	Brook	1	34.11355	010 Year	53.50	121.37	123.97	123.37	0.004913	3.36	15.94	211.07	0.52
Unnamed	Brook	1	34.11355	025 Year	111.10	121.37	125.18	124.05	0.000367	1.39	200.22	764.30	0.16
Unnamed	Brook	1	34.11355	050 Year	166.90	121.37	126.21	124.64	0.000015	0.36	1578.75	877.66	0.03
Unnamed	Brook	1	34.11355	100 Year	231.80	121.37	127.59	124.78	0.000005	0.25	2860.72	995.24	0.02
Unnamed	Brook	1	18.98231	001 Year	1.00	121.35	123.03	121.76	0.000019	0.15	6.51	7.77	0.03
Unnamed	Brook	1	18.98231	002 Year	5.70	121.35	123.19	122.17	0.000366	0.73	7.85	8.53	0.13
Unnamed	Brook	1	18.98231	010 Year	53.50	121.35	123.37	123.36	0.019660	5.66	9.45	9.36	0.99
Unnamed	Brook	1	18.98231	025 Year	111.10	121.35	125.18	124.14	0.000061	0.57	749.88	733.19	0.06
Unnamed	Brook	1	18.98231	050 Year	166.90	121.35	126.21	124.25	0.000015	0.36	1580.99	861.22	0.03
Unnamed	Brook	1	18.98231	100 Year	231.80	121.35	127.59	124.34	0.000005	0.25	2864.12	974.67	0.02
Policy	Brook	2	12721.80	001 Year	3.10	122.70	123.01		0.000884	0.34	12.86	158.44	0.16
Policy	Brook	2	12721.80	002 Year	14.60	122.70	123.15		0.000756	0.49	41.84	247.62	0.17
Policy	Brook	2	12721.80	010 Year	124.30	122.70	123.62		0.000658	0.89	173.70	307.95	0.18
Policy	Brook	2	12721.80	025 Year	246.60	122.70	125.18		0.000032	0.42	870.36	559.45	0.05
Policy	Brook	2	12721.80	050 Year	361.30	122.70	126.21		0.000014	0.36	1628.03	805.96	0.03
Policy	Brook	2	12721.80	100 Year	491.90	122.70	127.59		0.000005	0.25	2764.49	841.20	0.02
Policy	Brook	2	11863.97	001 Year	3.10	121.02	121.54		0.004404	1.15	2.71	10.38	0.40
Policy	Brook	2	11863.97	002 Year	14.60	121.02	121.83		0.004451	1.41	22.56	143.96	0.42
Policy	Brook	2	11863.97	010 Year	124.30	121.02	123.21		0.000365	1.17	273.94	205.85	0.16
Policy	Brook	2	11863.97	025 Year	246.60	121.02	125.13		0.000081	0.90	735.41	266.83	0.08
Policy	Brook	2	11863.97	050 Year	361.30	121.02	126.18		0.000065	0.96	1033.78	296.09	0.08
Policy	Brook	2	11863.97	100 Year	491.90	121.02	127.58		0.000044	0.94	1637.11	493.79	0.07
Policy	Brook	2	10817.71	001 Year	3.40	119.04	119.95	119.51	0.000812	0.71	4.81	10.57	0.18
Policy	Brook	2	10817.71	002 Year	14.30	119.04	120.94	119.86	0.000345	0.63	22.66	31.34	0.13
Policy	Brook	2	10817.71	010 Year	58.40	119.04	123.12	120.48	0.000019	0.33	229.02	226.59	0.04
Policy	Brook	2	10817.71	025 Year	83.40	119.04	125.12	120.78	0.000002	0.16	902.32	1503.27	0.01
Policy	Brook	2	10817.71	050 Year	117.40	119.04	126.18	120.98	0.000000	0.08	2479.38	2417.29	0.01
Policy	Brook	2	10817.71	100 Year	282.50	119.04	127.58	121.59	0.000000	0.07	7677.49	3050.16	0.00
Policy	Brook	2	10681.47	001 Year	3.40	118.78	119.81	119.35	0.001127	0.90	3.80	7.34	0.22
Policy	Brook	2	10681.47	002 Year	14.30	118.78	120.87	119.78	0.000787	0.76	18.81	36.34	0.19
Policy	Brook	2	10681.47	010 Year	58.40	118.78	123.12	120.67	0.000035	0.41	143.67	68.57	0.05
Policy	Brook	2	10681.47	025 Year	83.40	118.78	125.12	120.91	0.000005	0.24	437.91	271.74	0.02
Policy	Brook	2	10681.47	050 Year	117.40	118.78	126.18	121.06	0.000003	0.21	778.86	722.90	0.02
Policy	Brook	2	10681.47	100 Year	282.50	118.78	127.58	121.57	0.000004	0.28	2033.14	1242.99	0.02
Policy	Brook	2	10675.46	001 Year	3.40	118.77	119.82	119.01	0.000165	0.46	7.45	9.23	0.09
Policy	Brook	2	10675.46	002 Year	14.30	118.77	120.87	119.35	0.000180	0.71	21.89	38.98	0.10
Policy	Brook	2	10675.46	010 Year	58.40	118.77	123.11	120.11	0.000075	0.85	77.89	65.84	0.08
Policy	Brook	2	10675.46	025 Year	83.40	118.77	125.11	120.41	0.000031	0.72	127.96	246.08	0.05

							PolicyBrook_Propose.rep						
Policy Brook	2	10675.46	050 Year	117.40	118.77	126.18	120.85	126.18	0.000006	0.35	746.21	663.71	0.02
Policy Brook	2	10675.46	100 Year	282.50	118.77	127.58	121.69	127.58	0.000005	0.37	1975.92	1245.69	0.02
Policy Brook	2	10610.76		Culvert									
Policy Brook	2	10573.16	001 Year	3.40	118.17	119.82	118.41	119.82	0.000081	0.39	8.67	5.55	0.06
Policy Brook	2	10573.16	002 Year	14.30	118.17	120.85	118.80	120.86	0.000342	0.98	14.58	5.89	0.11
Policy Brook	2	10573.16	010 Year	58.40	118.17	122.99	119.76	123.05	0.001333	1.98	29.46	12.90	0.23
Policy Brook	2	10573.16	025 Year	83.40	118.17	124.88	120.18	124.90	0.000218	1.00	103.37	217.81	0.11
Policy Brook	2	10573.16	050 Year	117.40	118.17	126.17	120.68	126.18	0.000011	0.29	843.81	830.05	0.03
Policy Brook	2	10573.16	100 Year	282.50	118.17	127.58	123.40	127.58	0.000005	0.24	2146.27	1070.91	0.02
Policy Brook	2	10566.67	001 Year	3.40	118.48	119.80	119.20	119.81	0.001143	1.00	3.38	5.14	0.22
Policy Brook	2	10566.67	002 Year	14.30	118.48	120.83	119.75	120.86	0.000923	1.33	10.77	9.18	0.22
Policy Brook	2	10566.67	010 Year	58.40	118.48	123.00	120.71	123.03	0.000466	1.25	46.88	27.78	0.17
Policy Brook	2	10566.67	025 Year	83.40	118.48	124.89	121.06	124.89	0.000051	0.65	200.87	252.85	0.06
Policy Brook	2	10566.67	050 Year	117.40	118.48	126.17	121.43	126.17	0.000008	0.32	799.67	649.85	0.03
Policy Brook	2	10566.67	100 Year	282.50	118.48	127.58	122.72	127.58	0.000005	0.31	1830.35	820.07	0.02
Policy Brook	2	10550.52	001 Year	3.40	119.23	119.78	119.44	119.79	0.001257	0.89	3.84	7.98	0.23
Policy Brook	2	10550.52	002 Year	14.30	119.23	120.82	119.76	120.84	0.000521	1.01	14.12	11.73	0.16
Policy Brook	2	10550.52	010 Year	58.40	119.23	123.00	120.49	123.02	0.000202	1.20	55.81	33.46	0.12
Policy Brook	2	10550.52	025 Year	83.40	119.23	124.88	120.77	124.89	0.000063	0.91	104.62	210.99	0.07
Policy Brook	2	10550.52	050 Year	117.40	119.23	126.17	121.11	126.17	0.000012	0.46	585.07	392.46	0.03
Policy Brook	2	10550.52	100 Year	282.50	119.23	127.58	122.32	127.58	0.000008	0.44	1514.04	790.14	0.03
Policy Brook	2	10522.39		Culvert									
Policy Brook	2	10494.58	001 Year	3.40	118.38	119.59	118.56	119.59	0.000044	0.27	12.61	12.84	0.05
Policy Brook	2	10494.58	002 Year	14.30	118.38	120.75	118.83	120.75	0.000057	0.47	33.56	35.27	0.06
Policy Brook	2	10494.58	010 Year	58.40	118.38	122.79	119.46	122.80	0.000032	0.58	133.76	84.21	0.05
Policy Brook	2	10494.58	025 Year	83.40	118.38	124.67	119.71	124.67	0.000010	0.43	252.61	172.80	0.03
Policy Brook	2	10494.58	050 Year	117.40	118.38	125.99	120.01	125.99	0.000004	0.32	706.82	323.52	0.02
Policy Brook	2	10494.58	100 Year	282.50	118.38	127.57	121.20	127.58	0.000006	0.44	1631.74	801.70	0.03
Policy Brook	3	10414.99	001 Year	14.30	118.31	119.56	118.76	119.58	0.000687	1.09	13.15	13.01	0.19
Policy Brook	3	10414.99	002 Year	49.00	118.31	120.71	119.27	120.74	0.000498	1.43	44.69	58.13	0.18
Policy Brook	3	10414.99	010 Year	234.70	118.31	122.76	120.86	122.79	0.000252	1.64	205.69	87.88	0.14
Policy Brook	3	10414.99	025 Year	371.20	118.31	124.65	121.27	124.66	0.000103	1.36	385.94	143.64	0.10
Policy Brook	3	10414.99	050 Year	472.60	118.31	125.97	121.45	125.98	0.000071	1.28	669.72	251.91	0.08
Policy Brook	3	10414.99	100 Year	770.40	118.31	127.56	121.90	127.57	0.000056	1.30	1323.03	507.26	0.08
Policy Brook	3	10325.83	001 Year	14.30	118.24	119.50	118.69	119.52	0.000667	1.08	13.28	13.05	0.19
Policy Brook	3	10325.83	002 Year	49.00	118.24	120.66	119.21	120.69	0.000570	1.51	39.74	48.96	0.19
Policy Brook	3	10325.83	010 Year	234.70	118.24	122.71	120.85	122.76	0.000450	2.17	162.22	66.28	0.19
Policy Brook	3	10325.83	025 Year	371.20	118.24	124.62	121.29	124.65	0.000204	1.90	299.73	78.02	0.14
Policy Brook	3	10325.83	050 Year	472.60	118.24	125.93	121.53	125.97	0.000177	2.03	450.63	212.18	0.13
Policy Brook	3	10325.83	100 Year	770.40	118.24	127.53	122.12	127.56	0.000144	2.09	1065.02	569.73	0.12
Policy Brook	3	10291.22	001 Year	14.30	118.21	119.48	118.66	119.50	0.000654	1.07	13.37	13.08	0.19
Policy Brook	3	10291.22	002 Year	49.00	118.21	120.64	119.18	120.67	0.000572	1.51	38.58	45.63	0.19
Policy Brook	3	10291.22	010 Year	234.70	118.21	122.69	120.83	122.74	0.000450	2.18	161.98	66.95	0.19
Policy Brook	3	10291.22	025 Year	371.20	118.21	124.61	121.30	124.64	0.000199	1.88	301.66	78.63	0.14
Policy Brook	3	10291.22	050 Year	472.60	118.21	125.93	121.54	125.96	0.000139	1.80	421.41	178.89	0.12
Policy Brook	3	10291.22	100 Year	770.40	118.21	127.53	122.13	127.56	0.000150	2.14	1084.17	607.82	0.13
Policy Brook	3	10030.86	001 Year	14.30	118.00	119.32		119.34	0.000564	1.02	14.08	13.29	0.17
Policy Brook	3	10030.86	002 Year	49.00	118.00	120.50		120.53	0.000527	1.49	37.36	37.74	0.19
Policy Brook	3	10030.86	010 Year	234.70	118.00	122.56		122.62	0.000469	2.25	156.17	65.57	0.20
Policy Brook	3	10030.86	025 Year	371.20	118.00	124.56		124.59	0.000198	1.91	298.67	77.55	0.14
Policy Brook	3	10030.86	050 Year	472.60	118.00	125.89		125.93	0.000145	1.86	413.93	116.35	0.12
Policy Brook	3	10030.86	100 Year	770.40	118.00	127.49		127.52	0.000143	2.11	1018.43	519.63	0.12
Policy Brook	3	9609.047	001 Year	14.30	117.66	119.13	118.10	119.14	0.000384	0.89	16.09	13.88	0.15
Policy Brook	3	9609.047	002 Year	49.00	117.66	120.38	118.63	120.39	0.000208	1.06	67.67	52.89	0.12
Policy Brook	3	9609.047	010 Year	234.70	117.66	122.43	120.09	122.46	0.000291	1.89	188.51	65.19	0.16
Policy Brook	3	9609.047	025 Year	371.20	117.66	124.50	120.48	124.52	0.000129	1.62	397.28	140.76	0.11
Policy Brook	3	9609.047	050 Year	472.60	117.66	125.86	120.73	125.88	0.000085	1.49	649.18	249.00	0.09
Policy Brook	3	9609.047	100 Year	770.40	117.66	127.46	121.33	127.47	0.000081	1.66	1294.77	532.26	0.09
Policy Brook	3	9506.646	001 Year	14.30	117.57	119.10	118.01	119.11	0.000291	0.77	18.55	16.28	0.13
Policy Brook	3	9506.646	002 Year	49.00	117.57	120.36	118.51	120.37	0.000203	1.00	64.59	53.35	0.12
Policy Brook	3	9506.646	010 Year	234.70	117.57	122.40	120.01	122.43	0.000279	1.81	185.70	65.57	0.15
Policy Brook	3	9506.646	025 Year	371.20	117.57	124.48	120.46	124.51	0.000132	1.63	372.31	138.47	0.11
Policy Brook	3	9506.646	050 Year	472.60	117.57	125.85	120.71	125.87	0.000085	1.49	623.71	248.25	0.09
Policy Brook	3	9506.646	100 Year	770.40	117.57	127.45	121.32	127.46	0.000074	1.57	1282.08	524.47	0.09
Policy Brook	3	9484.417	001 Year	14.30	117.57	119.05	118.02	119.06	0.000390	0.90	15.89	13.53	0.15
Policy Brook	3	9484.417	002 Year	49.00	117.57	120.32	118.54	120.34	0.000278	1.17	51.88	53.10	0.14

Policy Brook	3	9484.417	010 Year	234.70	117.57	122.33	PolicyBrook_Propose.rep	120.14	122.38	0.000380	2.09	136.09	65.15	0.18
Policy Brook	3	9484.417	025 Year	371.20	117.57	124.43		120.58	124.48	0.000189	1.93	224.56	128.74	0.13
Policy Brook	3	9484.417	050 Year	472.60	117.57	125.80		120.85	125.84	0.000146	1.92	281.86	247.32	0.12
Policy Brook	3	9484.417	100 Year	770.40	117.57	127.35		121.48	127.43	0.000195	2.52	346.98	541.18	0.15
Policy Brook	3	9434.022		Culvert										
Policy Brook	3	9362.233	001 Year	15.10	117.45	119.05		117.91	119.06	0.000318	0.85	17.86	14.38	0.13
Policy Brook	3	9362.233	002 Year	51.70	117.45	120.31		118.45	120.33	0.000248	1.14	60.25	46.82	0.13
Policy Brook	3	9362.233	010 Year	244.10	117.45	122.28		120.03	122.33	0.000390	2.14	163.55	58.75	0.18
Policy Brook	3	9362.233	025 Year	379.10	117.45	124.32		120.49	124.35	0.000184	1.90	285.52	71.74	0.13
Policy Brook	3	9362.233	050 Year	480.50	117.45	125.58		120.77	125.62	0.000138	1.86	363.94	155.66	0.12
Policy Brook	3	9362.233	100 Year	790.60	117.45	126.73		121.44	126.80	0.000212	2.53	435.30	521.82	0.15
Policy Brook	3	9142.391	001 Year	15.10	117.27	118.99		117.74	119.00	0.000244	0.77	19.62	14.86	0.12
Policy Brook	3	9142.391	002 Year	51.70	117.27	120.27		118.27	120.28	0.000199	1.06	67.57	54.23	0.12
Policy Brook	3	9142.391	010 Year	244.10	117.27	122.21		119.93	122.25	0.000321	1.98	184.24	65.92	0.17
Policy Brook	3	9142.391	025 Year	379.10	117.27	124.28		120.37	124.31	0.000149	1.74	333.98	87.60	0.12
Policy Brook	3	9142.391	050 Year	480.50	117.27	125.55		120.63	125.58	0.000143	1.92	496.53	168.81	0.12
Policy Brook	3	9142.391	100 Year	790.60	117.27	126.70		121.26	126.74	0.000181	2.37	828.57	395.07	0.14
Policy Brook	3	8718.068	001 Year	15.10	116.93	118.91		117.39	118.92	0.000143	0.64	23.68	15.92	0.09
Policy Brook	3	8718.068	002 Year	51.70	116.93	120.20		117.93	120.21	0.000142	0.96	75.47	56.90	0.10
Policy Brook	3	8718.068	010 Year	244.10	116.93	122.08		119.52	122.12	0.000278	1.90	193.51	68.26	0.16
Policy Brook	3	8718.068	025 Year	379.10	116.93	124.23		120.17	124.25	0.000127	1.65	353.60	357.33	0.11
Policy Brook	3	8718.068	050 Year	480.50	116.93	125.51		120.43	125.53	0.000097	1.62	526.35	475.68	0.10
Policy Brook	3	8718.068	100 Year	790.60	116.93	126.70		121.06	126.71	0.000031	1.00	1887.37	584.35	0.06
Policy Brook	3	8431.533	001 Year	15.10	116.69	118.88		117.15	118.89	0.000067	0.51	40.74	57.55	0.07
Policy Brook	3	8431.533	002 Year	51.70	116.69	120.19		117.69	120.19	0.000031	0.49	233.43	215.29	0.05
Policy Brook	3	8431.533	010 Year	244.10	116.69	122.09		119.16	122.09	0.000033	0.70	656.84	270.79	0.05
Policy Brook	3	8431.533	025 Year	379.10	116.69	124.24		119.69	124.24	0.000014	0.58	1185.95	930.82	0.04
Policy Brook	3	8431.533	050 Year	480.50	116.69	125.52		119.86	125.52	0.000011	0.56	1545.05	1714.72	0.03
Policy Brook	3	8431.533	100 Year	790.60	116.69	126.70		120.20	126.70	0.000005	0.43	5553.81	2031.04	0.02
Policy Brook	3	8255.488	001 Year	15.10	116.55	118.88		117.01	118.88	0.000032	0.36	77.31	125.40	0.05
Policy Brook	3	8255.488	002 Year	51.70	116.55	120.19		117.55	120.19	0.000012	0.32	362.04	285.49	0.03
Policy Brook	3	8255.488	010 Year	244.10	116.55	122.09		118.92	122.09	0.000016	0.48	947.63	322.20	0.04
Policy Brook	3	8255.488	025 Year	379.10	116.55	124.24		119.25	124.24	0.000007	0.41	1674.66	1164.69	0.03
Policy Brook	3	8255.488	050 Year	480.50	116.55	125.52		119.38	125.52	0.000006	0.41	2157.87	1736.53	0.02
Policy Brook	3	8255.488	100 Year	790.60	116.55	126.70		119.62	126.70	0.000003	0.35	6214.51	2046.42	0.02
Policy Brook	3	8225.217	001 Year	15.10	116.52	118.88		116.98	118.88	0.000057	0.45	34.02	21.32	0.06
Policy Brook	3	8225.217	002 Year	51.70	116.52	120.18		117.52	120.19	0.000078	0.76	98.99	121.66	0.08
Policy Brook	3	8225.217	010 Year	244.10	116.52	122.08		118.85	122.09	0.000055	0.89	618.62	363.97	0.07
Policy Brook	3	8225.217	025 Year	379.10	116.52	124.23		119.62	124.24	0.000012	0.53	1758.17	1072.45	0.04
Policy Brook	3	8225.217	050 Year	480.50	116.52	125.52		119.96	125.52	0.000005	0.37	3490.98	1505.99	0.02
Policy Brook	3	8225.217	100 Year	790.60	116.52	126.70		120.96	126.70	0.000004	0.39	5548.72	2018.28	0.02
Policy Brook	3	8197.515	001 Year	15.10	116.50	118.87		116.86	118.88	0.000045	0.42	36.18	18.56	0.05
Policy Brook	3	8197.515	002 Year	51.70	116.50	120.17		117.31	120.18	0.000084	0.78	72.01	67.50	0.08
Policy Brook	3	8197.515	010 Year	244.10	116.50	122.00		118.65	122.07	0.000329	2.10	126.88	198.52	0.17
Policy Brook	3	8197.515	025 Year	379.10	116.50	124.15		119.43	124.22	0.000211	2.13	191.34	905.46	0.14
Policy Brook	3	8197.515	050 Year	480.50	116.50	125.43		119.82	125.50	0.000187	2.24	229.52	1319.79	0.14
Policy Brook	3	8197.515	100 Year	790.60	116.50	126.70		120.69	126.70	0.000005	0.39	4685.50	1683.05	0.02
Policy Brook	3	8152.274		Culvert										
Policy Brook	3	8074.433	001 Year	15.10	117.94	118.87		118.20	118.87	0.000404	0.77	19.72	22.62	0.14
Policy Brook	3	8074.433	002 Year	51.70	117.94	120.15		118.52	120.17	0.000254	1.00	56.23	76.64	0.13
Policy Brook	3	8074.433	010 Year	244.10	117.94	121.73		119.55	121.78	0.000458	1.88	232.24	426.83	0.19
Policy Brook	3	8074.433	025 Year	379.10	117.94	123.55		120.21	123.57	0.000172	1.57	457.22	1118.11	0.12
Policy Brook	3	8074.433	050 Year	480.50	117.94	124.42		120.65	124.45	0.000147	1.62	565.53	1801.08	0.12
Policy Brook	3	8074.433	100 Year	790.60	117.94	124.73		121.26	124.80	0.000326	2.49	604.54	2014.98	0.18
Policy Brook	3	7488.432	001 Year	16.00	116.30	118.46			118.49	0.001128	1.47	10.86	9.30	0.24
Policy Brook	3	7488.432	002 Year	53.70	116.30	119.80			119.84	0.001939	1.62	33.24	39.92	0.31
Policy Brook	3	7488.432	010 Year	249.50	116.30	121.40			121.44	0.000730	1.86	259.84	298.18	0.22
Policy Brook	3	7488.432	025 Year	384.90	116.30	123.50			123.51	0.000062	0.86	1241.27	638.94	0.07
Policy Brook	3	7488.432	050 Year	485.70	116.30	124.39			124.40	0.000036	0.74	1849.01	729.50	0.06
Policy Brook	3	7488.432	100 Year	794.70	116.30	124.68			124.69	0.000074	1.10	2070.48	794.25	0.08
Policy Brook	3	6591.132	001 Year	16.00	115.13	118.05		116.25	118.05	0.000018	0.17	218.13	504.02	0.03
Policy Brook	3	6591.132	002 Year	53.70	115.13	118.32		116.96	118.32	0.000071	0.39	311.22	579.67	0.06
Policy Brook	3	6591.132	010 Year	249.50	115.13	121.28		117.80	121.28	0.000006	0.26	2573.58	782.35	0.02
Policy Brook	3	6591.132	025 Year	384.90	115.13	123.45		117.93	123.45	0.000003	0.24	4313.84	829.95	0.02
Policy Brook	3	6591.132	050 Year	485.70	115.13	124.34		118.00	124.35	0.000003	0.26	5076.58	987.35	0.02
Policy Brook	3	6591.132	100 Year	794.70	115.13	124.57		118.22	124.57	0.000007	0.42	5270.91	1071.60	0.03

PolicyBrook_Propose.rep													
Policy Brook	3	5852.264	001 Year	102.80	114.17	116.82	116.82	117.48	0.018365	6.53	15.75	11.91	1.00
Policy Brook	3	5852.264	002 Year	251.10	114.17	117.59	117.56	117.69	0.003653	3.80	222.71	596.39	0.48
Policy Brook	3	5852.264	010 Year	727.30	114.17	121.27	117.81	121.27	0.000013	0.46	3616.71	1071.72	0.03
Policy Brook	3	5852.264	025 Year	1092.80	114.17	123.44	117.93	123.44	0.000006	0.40	6069.39	1185.29	0.03
Policy Brook	3	5852.264	050 Year	1608.80	114.17	124.34	118.08	124.34	0.000009	0.52	7182.74	1466.77	0.03
Policy Brook	3	5852.264	100 Year	2193.60	114.17	124.56	118.23	124.56	0.000015	0.67	7472.45	1504.26	0.04
Policy Brook	3	5426.726	001 Year	102.80	113.62	116.02	115.23	116.06	0.000967	1.57	73.99	78.00	0.24
Policy Brook	3	5426.726	002 Year	251.10	113.62	117.12	115.71	117.16	0.000581	1.83	167.19	92.26	0.21
Policy Brook	3	5426.726	010 Year	727.30	113.62	121.25	116.58	121.26	0.000051	1.05	1449.68	594.19	0.07
Policy Brook	3	5426.726	025 Year	1092.80	113.62	123.43	117.04	123.44	0.000018	0.77	2919.18	797.38	0.05
Policy Brook	3	5426.726	050 Year	1608.80	113.62	124.33	117.60	124.33	0.000022	0.91	3642.18	888.86	0.05
Policy Brook	3	5426.726	100 Year	2193.60	113.62	124.54	117.98	124.55	0.000037	1.18	3824.54	912.86	0.07
Policy Brook	3	4930.878	001 Year	102.80	112.98	114.97	114.45	115.13	0.004908	3.22	31.94	28.05	0.53
Policy Brook	3	4930.878	002 Year	251.10	112.98	116.59	115.22	116.71	0.001572	2.78	90.46	41.97	0.33
Policy Brook	3	4930.878	010 Year	727.30	112.98	121.13	116.53	121.20	0.000251	2.28	351.50	74.88	0.16
Policy Brook	3	4930.878	025 Year	1092.80	112.98	123.35	117.26	123.41	0.000159	2.21	804.86	521.95	0.13
Policy Brook	3	4930.878	050 Year	1608.80	112.98	124.23	118.05	124.30	0.000185	2.55	1185.08	750.46	0.15
Policy Brook	3	4930.878	100 Year	2193.60	112.98	124.38	118.83	124.50	0.000308	3.32	1371.37	780.61	0.19
Policy Brook	3	4870.725	001 Year	102.80	112.90	114.64	114.09	114.85	0.004180	3.62	28.93	20.26	0.51
Policy Brook	3	4870.725	002 Year	251.10	112.90	116.32	114.91	116.57	0.001992	4.07	68.19	26.94	0.40
Policy Brook	3	4870.725	010 Year	727.30	112.90	120.93	116.75	121.14	0.000601	4.03	223.74	165.77	0.25
Policy Brook	3	4870.725	025 Year	1092.80	112.90	123.34	117.85	123.40	0.000199	2.78	942.49	441.51	0.15
Policy Brook	3	4870.725	050 Year	1608.80	112.90	124.22	119.07	124.29	0.000238	3.20	1248.26	611.14	0.17
Policy Brook	3	4870.725	100 Year	2193.60	112.90	124.36	120.10	124.48	0.000402	4.20	1303.14	673.93	0.22
Policy Brook	3	4840.379		Culvert									
Policy Brook	3	4810.343	001 Year	102.80	111.72	114.52	113.03	114.65	0.001696	2.89	36.30	15.84	0.31
Policy Brook	3	4810.343	002 Year	251.10	111.72	115.37	114.08	115.79	0.003889	5.25	51.51	20.05	0.49
Policy Brook	3	4810.343	010 Year	727.30	111.72	116.98	116.54	118.27	0.007808	9.56	88.67	28.02	0.74
Policy Brook	3	4810.343	025 Year	1092.80	111.72	117.62	117.62	119.71	0.011132	12.33	103.99	31.03	0.90
Policy Brook	3	4810.343	050 Year	1608.80	111.72	118.88	118.88	121.54	0.011226	14.11	134.16	36.96	0.94
Policy Brook	3	4810.343	100 Year	2193.60	111.72	120.12	120.12	123.37	0.011227	15.71	163.88	43.23	0.96
Policy Brook	3	4749.749	001 Year	102.80	111.63	114.52	112.93	114.55	0.000487	1.44	71.21	36.49	0.18
Policy Brook	3	4749.749	002 Year	251.10	111.63	115.45	113.57	115.53	0.000801	2.30	120.09	80.16	0.25
Policy Brook	3	4749.749	010 Year	727.30	111.63	117.49	114.92	117.59	0.000573	2.83	379.21	153.38	0.23
Policy Brook	3	4749.749	025 Year	1092.80	111.63	118.48	115.85	118.58	0.000532	3.09	549.57	187.23	0.23
Policy Brook	3	4749.749	050 Year	1608.80	111.63	119.33	116.65	119.46	0.000601	3.60	719.30	214.85	0.25
Policy Brook	3	4749.749	100 Year	2193.60	111.63	120.05	117.18	120.22	0.000681	4.11	882.45	237.15	0.27
Policy Brook	3	3785.535	001 Year	102.80	110.12	113.61	112.50	113.70	0.001949	2.53	53.06	82.81	0.35
Policy Brook	3	3785.535	002 Year	251.10	110.12	114.52	113.74	114.57	0.001225	2.33	190.03	209.10	0.29
Policy Brook	3	3785.535	010 Year	727.30	110.12	117.29	114.54	117.30	0.000142	1.36	820.50	239.59	0.11
Policy Brook	3	3785.535	025 Year	1092.80	110.12	118.28	114.84	118.30	0.000144	1.56	1066.48	261.07	0.12
Policy Brook	3	3785.535	050 Year	1608.80	110.12	119.09	115.13	119.12	0.000178	1.90	1354.68	467.43	0.13
Policy Brook	3	3785.535	100 Year	2193.60	110.12	119.79	115.42	119.83	0.000203	2.17	1716.17	533.64	0.14
Policy Brook	3	3561.745	001 Year	102.80	109.77	113.06		113.17	0.003017	3.04	49.70	60.82	0.42
Policy Brook	3	3561.745	002 Year	251.10	109.77	114.23		114.28	0.001421	2.41	196.19	249.27	0.30
Policy Brook	3	3561.745	010 Year	727.30	109.77	117.27		117.28	0.000096	1.12	999.27	277.67	0.09
Policy Brook	3	3561.745	025 Year	1092.80	109.77	118.26		118.27	0.000102	1.31	1282.43	294.79	0.10
Policy Brook	3	3561.745	050 Year	1608.80	109.77	119.07		119.09	0.000133	1.63	1533.61	340.89	0.11
Policy Brook	3	3561.745	100 Year	2193.60	109.77	119.75		119.78	0.000168	1.96	1782.98	383.43	0.13
Policy Brook	3	3496.305	001 Year	102.80	109.67	112.80		112.91	0.005396	2.71	39.57	54.67	0.53
Policy Brook	3	3496.305	002 Year	251.10	109.67	114.17		114.21	0.000769	1.74	189.32	188.32	0.23
Policy Brook	3	3496.305	010 Year	727.30	109.67	117.26		117.27	0.000080	1.09	988.18	277.02	0.09
Policy Brook	3	3496.305	025 Year	1092.80	109.67	118.25		118.27	0.000086	1.28	1269.85	292.67	0.09
Policy Brook	3	3496.305	050 Year	1608.80	109.67	119.05		119.08	0.000115	1.60	1512.62	318.06	0.11
Policy Brook	3	3496.305	100 Year	2193.60	109.67	119.74		119.77	0.000147	1.93	1750.66	373.62	0.13
Policy Brook	3	3451.305	001 Year	104.40	109.60	112.78	110.72	112.82	0.000500	1.63	66.52	76.16	0.18
Policy Brook	3	3451.305	002 Year	253.80	109.60	114.07	111.63	114.16	0.000641	2.46	113.28	94.51	0.22
Policy Brook	3	3451.305	010 Year	730.10	109.60	117.05	113.31	117.22	0.000597	3.51	239.89	225.59	0.24
Policy Brook	3	3451.305	025 Year	1098.80	109.60	118.20	114.14	118.25	0.000230	2.42	926.29	329.10	0.15
Policy Brook	3	3451.305	050 Year	1614.40	109.60	119.00	115.19	119.06	0.000271	2.81	1206.70	371.38	0.17
Policy Brook	3	3451.305	100 Year	2203.90	109.60	119.68	116.09	119.75	0.000309	3.15	1468.22	396.20	0.18
Policy Brook	3	3420.783		Culvert									
Policy Brook	3	3390.376	001 Year	104.40	109.74	112.70	110.86	112.76	0.000692	1.93	54.15	21.60	0.21
Policy Brook	3	3390.376	002 Year	253.80	109.74	113.78	111.70	113.94	0.001312	3.23	78.51	24.02	0.31
Policy Brook	3	3390.376	010 Year	730.10	109.74	115.83	113.52	116.36	0.002262	5.81	125.70	33.70	0.44
Policy Brook	3	3390.376	025 Year	1098.80	109.74	116.51	114.50	117.45	0.003471	7.78	141.29	39.63	0.55
Policy Brook	3	3390.376	050 Year	1614.40	109.74	116.76	115.71	118.63	0.006568	10.98	146.98	42.09	0.77

Policy Brook	3	3390.376	100 Year	2203.90	109.74	118.22	PolicyBrook_Propose.rep 118.22	119.57	0.004559	9.95	340.77	187.39	0.64
Policy Brook	3	3330.329	001 Year	104.40	109.71	112.53	111.74	112.67	0.003202	2.99	34.87	24.42	0.44
Policy Brook	3	3330.329	002 Year	253.80	109.71	113.62	112.61	113.83	0.003837	3.65	69.84	45.60	0.50
Policy Brook	3	3330.329	010 Year	730.10	109.71	116.03	114.29	116.07	0.000404	1.96	564.76	253.63	0.18
Policy Brook	3	3330.329	025 Year	1098.80	109.71	116.92	114.72	116.96	0.000337	2.08	792.22	260.73	0.17
Policy Brook	3	3330.329	050 Year	1614.40	109.71	117.62	115.10	117.67	0.000389	2.46	975.88	266.74	0.19
Policy Brook	3	3330.329	100 Year	2203.90	109.71	118.33	115.41	118.40	0.000421	2.79	1168.16	273.07	0.20
Policy Brook	3	2176.204	001 Year	104.40	109.02	112.05	110.59	112.05	0.000180	0.80	256.50	229.13	0.11
Policy Brook	3	2176.204	002 Year	253.80	109.02	113.40	111.08	113.41	0.000092	0.85	615.34	333.28	0.09
Policy Brook	3	2176.204	010 Year	730.10	109.02	115.89	111.74	115.90	0.000067	1.08	1587.32	580.62	0.08
Policy Brook	3	2176.204	025 Year	1098.80	109.02	116.78	112.14	116.79	0.000069	1.22	2377.09	679.44	0.08
Policy Brook	3	2176.204	050 Year	1614.40	109.02	117.44	112.57	117.46	0.000091	1.49	2836.18	709.87	0.10
Policy Brook	3	2176.204	100 Year	2203.90	109.02	118.13	112.90	118.15	0.000109	1.73	3333.36	735.81	0.11
Policy Brook	3	1257.926	001 Year	104.40	108.48	111.81	109.80	111.83	0.000329	1.25	85.51	179.98	0.15
Policy Brook	3	1257.926	002 Year	253.80	108.48	113.24	110.56	113.27	0.000258	1.57	287.83	373.14	0.15
Policy Brook	3	1257.926	010 Year	730.10	108.48	115.78	112.03	115.81	0.000168	1.81	1018.19	647.62	0.13
Policy Brook	3	1257.926	025 Year	1098.80	108.48	116.65	112.81	116.69	0.000201	2.17	1299.94	765.93	0.15
Policy Brook	3	1257.926	050 Year	1614.40	108.48	117.34	113.48	117.36	0.000130	1.86	2906.49	812.80	0.12
Policy Brook	3	1257.926	100 Year	2203.90	108.48	118.01	113.73	118.03	0.000154	2.14	3405.49	829.23	0.13
Policy Brook	3	177.2269	001 Year	104.40	108.45	111.32	109.76	111.36	0.000601	1.59	65.85	34.31	0.20
Policy Brook	3	177.2269	002 Year	253.80	108.45	112.79	110.47	112.86	0.000601	2.10	121.05	49.09	0.21
Policy Brook	3	177.2269	010 Year	730.10	108.45	115.37	111.85	115.49	0.000601	2.80	322.00	256.96	0.23
Policy Brook	3	177.2269	025 Year	1098.80	108.45	116.20	112.63	116.33	0.000600	3.13	561.46	425.25	0.24
Policy Brook	3	177.2269	050 Year	1614.40	108.45	116.95	113.56	117.08	0.000600	3.41	823.76	598.22	0.24
Policy Brook	3	177.2269	100 Year	2203.90	108.45	117.60	114.85	117.73	0.000601	3.64	1299.42	759.62	0.25
Policy Backwater	1	796.3802	001 Year	1.00	124.80	125.28	124.89	125.28	0.000132	0.27	3.69	8.73	0.07
Policy Backwater	1	796.3802	002 Year	1.00	124.80	125.28	124.89	125.28	0.000132	0.27	3.69	8.73	0.07
Policy Backwater	1	796.3802	010 Year	1.00	124.80	125.28	124.89	125.28	0.000132	0.27	3.69	8.73	0.07
Policy Backwater	1	796.3802	025 Year	1.00	124.80	125.32	124.89	125.32	0.000106	0.25	3.98	8.88	0.07
Policy Backwater	1	796.3802	050 Year	1.00	124.80	126.21	124.89	126.21	0.000003	0.07	13.77	12.97	0.01
Policy Backwater	1	796.3802	100 Year	1.00	124.80	127.59	124.89	127.59	0.000000	0.03	36.10	20.49	0.00
Policy Backwater	1	759.9449	001 Year	1.00	124.73	125.10	124.83	125.10	0.000601	0.49	2.06	6.25	0.15
Policy Backwater	1	759.9449	002 Year	1.00	124.73	125.10	124.83	125.10	0.000601	0.49	2.06	6.25	0.15
Policy Backwater	1	759.9449	010 Year	1.00	124.73	125.10	124.83	125.10	0.000601	0.49	2.06	6.25	0.15
Policy Backwater	1	759.9449	025 Year	1.00	124.73	125.20	124.83	125.20	0.000259	0.37	2.71	6.60	0.10
Policy Backwater	1	759.9449	050 Year	1.00	124.73	126.21	124.83	126.21	0.000004	0.09	11.14	10.05	0.02
Policy Backwater	1	759.9449	100 Year	1.00	124.73	127.59	124.83	127.59	0.000000	0.04	29.69	19.22	0.00
Policy Backwater	1	406.3698	001 Year	1.00	124.06	124.34	124.34	124.41	0.033946	2.10	0.48	3.36	0.99
Policy Backwater	1	406.3698	002 Year	1.00	124.06	124.34	124.34	124.41	0.033946	2.10	0.48	3.36	0.99
Policy Backwater	1	406.3698	010 Year	1.00	124.06	124.34	124.34	124.41	0.033946	2.10	0.48	3.36	0.99
Policy Backwater	1	406.3698	025 Year	1.00	124.06	125.18	124.34	125.18	0.000023	0.13	7.45	13.50	0.03
Policy Backwater	1	406.3698	050 Year	1.00	124.06	126.21	124.34	126.21	0.000000	0.02	49.80	103.71	0.00
Policy Backwater	1	406.3698	100 Year	1.00	124.06	127.59	124.34	127.59	0.000000	0.01	282.00	274.16	0.00

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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PROJECT DATA
Project Title: Scenario A
Project File : PolicyBrook_Propose.prj
Run Date and Time: 8/1/2017 9:43:23 AM

Project in English units

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	w.S. Elev (ft)	Crit w.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top width (ft)	Froude # Ch1
West Policy Brk	2	5119.913	010 Year	151.30	128.40	134.00	130.64	134.05	0.000799	1.77	85.43	44.48	0.17
West Policy Brk	2	5119.913	025 Year	268.10	128.40	135.35	131.54	135.39	0.000703	1.56	172.14	58.52	0.16
West Policy Brk	2	5119.913	050 Year	373.80	128.40	135.79	132.45	135.85	0.000941	1.88	198.77	63.60	0.19
West Policy Brk	2	5119.913	100 Year	492.20	128.40	136.18	132.87	136.25	0.001171	2.20	224.40	71.55	0.21
West Policy Brk	2	5043.913	Culvert										
West Policy Brk	2	5009.594	010 Year	151.30	128.00	130.70	130.70	131.58	0.036166	7.54	20.07	107.34	1.00
West Policy Brk	2	5009.594	025 Year	268.10	128.00	131.66	131.66	132.14	0.038854	5.55	48.26	450.18	1.00
West Policy Brk	2	5009.594	050 Year	373.80	128.00	131.90	131.90	132.49	0.036439	6.16	60.68	544.98	1.00
West Policy Brk	2	5009.594	100 Year	492.20	128.00	132.14	132.14	132.84	0.034275	6.75	72.90	593.65	1.00
West Policy Brk	2	4854.862	010 Year	151.30	128.00	130.64		130.64	0.001373	0.83	296.75	403.89	0.18
West Policy Brk	2	4854.862	025 Year	268.10	128.00	131.05		131.05	0.001112	0.87	502.35	559.65	0.17
West Policy Brk	2	4854.862	050 Year	373.80	128.00	131.28		131.29	0.001080	1.02	639.09	607.72	0.17
West Policy Brk	2	4854.862	100 Year	492.20	128.00	131.56		131.57	0.000992	1.13	813.81	646.91	0.17
West Policy Brk	2	4595.263	010 Year	151.30	128.36	130.58	129.52	130.58	0.000085	0.41	951.27	978.59	0.05
West Policy Brk	2	4595.263	025 Year	268.10	128.36	130.98	129.63	130.98	0.000096	0.50	1346.08	1143.12	0.06
West Policy Brk	2	4595.263	050 Year	373.80	128.36	131.21	129.70	131.21	0.000118	0.59	1577.09	1264.95	0.07
West Policy Brk	2	4595.263	100 Year	492.20	128.36	131.49	129.77	131.49	0.000115	0.62	2060.28	1520.03	0.07
West Policy Brk	2	4335.653	010 Year	151.30	128.29	130.54	128.92	130.55	0.000212	0.59	261.10	1494.19	0.08
West Policy Brk	2	4335.653	025 Year	268.10	128.29	130.94	129.11	130.95	0.000315	0.84	344.36	2178.29	0.10
West Policy Brk	2	4335.653	050 Year	373.80	128.29	131.17	129.26	131.17	0.000236	0.78	831.28	2526.20	0.09
West Policy Brk	2	4335.653	100 Year	492.20	128.29	131.46	129.40	131.46	0.000121	0.61	1932.46	2654.58	0.07
West Policy Brk	2	3928.873	010 Year	151.30	127.46	130.43		130.44	0.000339	0.90	506.73	651.74	0.11
West Policy Brk	2	3928.873	025 Year	268.10	127.46	130.81		130.81	0.000352	1.02	773.36	790.40	0.11
West Policy Brk	2	3928.873	050 Year	373.80	127.46	131.05		131.05	0.000380	1.13	970.54	854.59	0.12
West Policy Brk	2	3928.873	100 Year	492.20	127.46	131.38		131.39	0.000311	1.10	1275.85	956.08	0.11
West Policy Brk	2	3522.092	010 Year	151.30	126.90	129.64	129.64	129.94	0.043158	4.39	34.50	681.33	0.99
West Policy Brk	2	3522.092	025 Year	268.10	126.90	129.97	129.97	130.30	0.038185	4.63	62.33	866.29	0.96
West Policy Brk	2	3522.092	050 Year	373.80	126.90	130.25	130.20	130.52	0.029065	4.27	100.65	993.95	0.85
West Policy Brk	2	3522.092	100 Year	492.20	126.90	131.31	130.33	131.31	0.000123	0.48	1937.74	1182.54	0.06
West Policy Brk	2	3086.213	010 Year	151.30	126.04	128.59		128.59	0.000195	0.65	426.69	393.52	0.08
West Policy Brk	2	3086.213	025 Year	268.10	126.04	129.65		129.65	0.000083	0.56	951.39	552.71	0.06
West Policy Brk	2	3086.213	050 Year	373.80	126.04	130.34		130.34	0.000061	0.56	1338.50	576.59	0.05
West Policy Brk	2	3086.213	100 Year	492.20	126.04	131.28		131.28	0.000038	0.51	1939.93	731.49	0.04
West Policy Brk	2	2650.328	010 Year	151.30	125.73	128.35	127.17	128.39	0.002418	1.48	101.92	99.16	0.26
West Policy Brk	2	2650.328	025 Year	268.10	125.73	129.56	127.59	129.58	0.000491	1.06	305.75	450.16	0.13
West Policy Brk	2	2650.328	050 Year	373.80	125.73	130.28	127.93	130.29	0.000299	1.01	492.94	683.69	0.11
West Policy Brk	2	2650.328	100 Year	492.20	125.73	131.24	128.21	131.25	0.000152	0.88	790.51	875.63	0.08
West Policy Brk	2	2624.007	010 Year	151.30	125.80	128.30	126.93	128.33	0.001756	1.36	111.42	97.57	0.22

PolicyBrook_Scenario A.rep													
West Policy Brk	2	2624.007	025 Year	268.10	125.80	129.56	127.34	129.57	0.000355	0.93	378.28	378.85	0.11
West Policy Brk	2	2624.007	050 Year	373.80	125.80	130.28	127.70	130.28	0.000156	0.75	776.02	704.06	0.08
West Policy Brk	2	2624.007	100 Year	492.20	125.80	131.25	127.92	131.25	0.000043	0.47	1631.62	999.81	0.04
West Policy Brk	2	2583.834	010 Year	170.10	124.66	127.73	126.62	128.09	0.009624	4.77	35.65	12.69	0.50
West Policy Brk	2	2583.834	025 Year	278.60	124.66	129.08	127.37	129.42	0.011788	4.73	58.86	146.62	0.57
West Policy Brk	2	2583.834	050 Year	348.00	124.66	129.92	127.78	130.19	0.006042	4.11	84.69	365.57	0.43
West Policy Brk	2	2583.834	100 Year	489.10	124.66	131.24	129.15	131.25	0.000116	0.66	1347.70	1036.64	0.06
West Policy Brk	2	2546.321		Culvert									
West Policy Brk	2	1945.455	010 Year	176.70	123.80	125.37	125.37	125.98	0.022918	6.24	28.30	23.70	1.01
West Policy Brk	2	1945.455	025 Year	286.70	123.80	125.86	125.86	126.63	0.021155	7.03	40.76	26.76	1.00
West Policy Brk	2	1945.455	050 Year	356.00	123.80	126.11	126.11	126.98	0.020436	7.51	47.49	28.18	1.01
West Policy Brk	2	1945.455	100 Year	497.80	123.80	128.04		128.39	0.003109	4.80	112.57	39.10	0.44
West Policy Brk	2	1887.409	010 Year	176.70	120.14	125.05		125.08	0.000226	1.28	143.08	48.31	0.12
West Policy Brk	2	1887.409	025 Year	286.70	120.14	125.56		125.61	0.000375	1.80	168.80	52.37	0.16
West Policy Brk	2	1887.409	050 Year	356.00	120.14	125.86		125.92	0.000453	2.08	184.65	54.72	0.18
West Policy Brk	2	1887.409	100 Year	497.80	120.14	128.17		128.21	0.000195	1.81	331.48	72.41	0.12
West Policy Brk	2	1818.591	010 Year	176.70	120.00	125.05		125.06	0.000093	0.82	215.77	61.11	0.08
West Policy Brk	2	1818.591	025 Year	286.70	120.00	125.57		125.59	0.000165	1.16	248.16	64.97	0.10
West Policy Brk	2	1818.591	050 Year	356.00	120.00	125.87		125.89	0.000200	1.33	267.92	67.27	0.12
West Policy Brk	2	1818.591	100 Year	497.80	120.00	128.18		128.20	0.000087	1.18	445.09	87.29	0.08
West Policy Brk	2	1634.729	010 Year	176.70	114.00	125.06		125.06	0.000001	0.13	1539.26	257.52	0.01
West Policy Brk	2	1634.729	025 Year	286.70	114.00	125.58		125.58	0.000002	0.20	1675.80	267.94	0.01
West Policy Brk	2	1634.729	050 Year	356.00	114.00	125.88		125.88	0.000003	0.23	1758.20	275.59	0.01
West Policy Brk	2	1634.729	100 Year	497.80	114.00	128.19		128.19	0.000002	0.25	2445.19	306.76	0.01
West Policy Brk	2	1534.261	010 Year	176.70	114.00	125.06		125.06	0.000002	0.17	1105.05	195.70	0.01
West Policy Brk	2	1534.261	025 Year	286.70	114.00	125.58		125.58	0.000004	0.26	1209.63	207.03	0.02
West Policy Brk	2	1534.261	050 Year	356.00	114.00	125.88		125.88	0.000005	0.31	1273.39	213.94	0.02
West Policy Brk	2	1534.261	100 Year	497.80	114.00	128.19		128.19	0.000004	0.31	1816.04	243.94	0.02
West Policy Brk	2	1490.863	010 Year	176.70	114.00	125.06		125.06	0.000004	0.22	868.70	171.37	0.02
West Policy Brk	2	1490.863	025 Year	286.70	114.00	125.58		125.58	0.000007	0.33	959.82	179.45	0.02
West Policy Brk	2	1490.863	050 Year	356.00	114.00	125.88		125.88	0.000010	0.39	1015.03	187.10	0.03
West Policy Brk	2	1490.863	100 Year	497.80	114.00	128.19		128.19	0.000006	0.38	1501.43	219.72	0.02
West Policy Brk	2	1415.031	010 Year	176.70	118.00	125.06		125.06	0.000017	0.39	526.24	143.53	0.03
West Policy Brk	2	1415.031	025 Year	286.70	118.00	125.57		125.58	0.000031	0.55	603.22	154.57	0.05
West Policy Brk	2	1415.031	050 Year	356.00	118.00	125.87		125.88	0.000040	0.64	650.90	163.10	0.05
West Policy Brk	2	1415.031	100 Year	497.80	118.00	128.18		128.19	0.000018	0.57	1073.83	192.99	0.04
West Policy Brk	2	1253.992	010 Year	176.70	120.00	125.04		125.05	0.000115	0.81	269.33	97.58	0.08
West Policy Brk	2	1253.992	025 Year	286.70	120.00	125.55		125.57	0.000189	1.11	320.58	104.52	0.11
West Policy Brk	2	1253.992	050 Year	356.00	120.00	125.85		125.87	0.000226	1.26	352.03	108.40	0.12
West Policy Brk	2	1253.992	100 Year	497.80	120.00	128.17		128.18	0.000088	0.97	639.32	139.02	0.08
West Policy Brk	2	1235.739	010 Year	176.70	120.00	125.02	121.87	125.05	0.000171	1.19	148.54	67.50	0.11
West Policy Brk	2	1235.739	025 Year	286.70	120.00	125.51	122.30	125.55	0.000304	1.72	166.94	70.03	0.14
West Policy Brk	2	1235.739	050 Year	356.00	120.00	125.79	122.50	125.85	0.000382	2.01	177.53	71.55	0.16
West Policy Brk	2	1235.739	100 Year	497.80	120.00	128.11	122.86	128.17	0.000194	1.87	265.92	86.43	0.12
West Policy Brk	2	1207.33		Culvert									
West Policy Brk	2	1104.084	010 Year	176.70	120.00	124.97	121.89	125.00	0.000313	1.51	120.48	38.77	0.14
West Policy Brk	2	1104.084	025 Year	286.70	120.00	125.38	122.40	125.45	0.000573	2.20	136.96	41.25	0.19
West Policy Brk	2	1104.084	050 Year	356.00	120.00	125.60	122.68	125.70	0.000736	2.58	146.28	42.59	0.22
West Policy Brk	2	1104.084	100 Year	497.80	120.00	127.73	123.18	127.81	0.000350	2.33	250.31	55.38	0.16
West Policy Brk	2	1076.659	010 Year	176.70	120.01	124.95		124.99	0.000334	1.70	119.31	40.15	0.15
West Policy Brk	2	1076.659	025 Year	286.70	120.01	125.34		125.44	0.000633	2.49	135.61	42.54	0.21
West Policy Brk	2	1076.659	050 Year	356.00	120.01	125.55		125.68	0.000828	2.94	144.67	43.81	0.24
West Policy Brk	2	1076.659	100 Year	497.80	120.01	127.70		127.79	0.000406	2.64	252.45	56.80	0.18
West Policy Brk	2	1047.767	010 Year	176.70	123.80	124.56	124.56	124.93	0.026388	4.86	36.35	50.01	1.01
West Policy Brk	2	1047.767	025 Year	286.70	123.80	124.85	124.85	125.34	0.023890	5.64	50.79	51.77	1.00
West Policy Brk	2	1047.767	050 Year	356.00	123.80	125.00	125.00	125.57	0.022945	6.03	59.00	52.74	1.01
West Policy Brk	2	1047.767	100 Year	497.80	123.80	127.69		127.77	0.000704	2.35	222.91	69.46	0.21
West Policy Brk	2	1025.149	010 Year	176.70	119.00	123.22		123.28	0.000825	2.22	111.60	53.07	0.22
West Policy Brk	2	1025.149	025 Year	286.70	119.00	124.20		124.28	0.000770	2.57	167.55	61.77	0.22
West Policy Brk	2	1025.149	050 Year	356.00	119.00	125.08		125.15	0.000560	2.49	225.86	70.36	0.20
West Policy Brk	2	1025.149	100 Year	497.80	119.00	127.71		127.75	0.000202	1.98	446.28	96.17	0.13
West Policy Brk	2	990.9073	010 Year	176.70	119.50	123.23		123.25	0.000370	1.68	205.04	77.96	0.15

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West Policy Brk	2	990.9073	025 Year	286.70	119.50	124.21	124.24	0.000376	1.98	284.33	83.32	0.16	
West Policy Brk	2	990.9073	050 Year	356.00	119.50	125.10	125.13	0.000294	1.96	360.12	88.26	0.15	
West Policy Brk	2	990.9073	100 Year	497.80	119.50	127.72	127.74	0.000128	1.68	610.53	102.65	0.10	
West Policy Brk	2	893.2678	010 Year	176.70	119.39	123.16	123.20	0.000590	2.11	144.24	62.55	0.19	
West Policy Brk	2	893.2678	025 Year	286.70	119.39	124.14	124.20	0.000581	2.45	208.48	68.75	0.20	
West Policy Brk	2	893.2678	050 Year	356.00	119.39	125.03	125.09	0.000434	2.38	272.70	74.13	0.18	
West Policy Brk	2	893.2678	100 Year	497.80	119.39	127.69	127.73	0.000174	1.96	491.23	90.48	0.12	
West Policy Brk	2	511.8787	010 Year	176.70	118.92	122.91	122.97	0.000651	2.28	129.77	54.62	0.20	
West Policy Brk	2	511.8787	025 Year	286.70	118.92	123.88	123.95	0.000678	2.70	185.90	61.08	0.22	
West Policy Brk	2	511.8787	050 Year	356.00	118.92	124.84	124.91	0.000494	2.60	247.84	67.25	0.19	
West Policy Brk	2	511.8787	100 Year	497.80	118.92	127.61	127.65	0.000204	2.17	481.48	161.47	0.13	
West Policy Brk	2	225.1332	010 Year	176.70	118.66	122.76	120.76	0.000486	1.99	167.50	66.61	0.18	
West Policy Brk	2	225.1332	025 Year	286.70	118.66	123.73	121.18	0.000506	2.35	234.71	72.42	0.19	
West Policy Brk	2	225.1332	050 Year	356.00	118.66	124.74	121.38	0.000359	2.24	310.93	78.48	0.16	
West Policy Brk	2	225.1332	100 Year	497.80	118.66	127.57	121.74	0.000162	1.96	582.26	123.80	0.12	
Unnamed Brook	1	1803.202	010 Year	53.50	125.80	127.95	127.95	0.000013	0.22	376.46	260.51	0.03	
Unnamed Brook	1	1803.202	025 Year	111.10	125.80	128.11	128.11	0.000040	0.41	419.16	265.55	0.05	
Unnamed Brook	1	1803.202	050 Year	166.90	125.80	128.33	128.33	0.000061	0.54	478.54	270.87	0.07	
Unnamed Brook	1	1803.202	100 Year	231.80	125.80	128.53	128.54	0.000085	0.68	536.89	294.59	0.08	
Unnamed Brook	1	1022.286	010 Year	53.50	124.57	127.94	127.94	0.000002	0.12	1227.09	526.66	0.01	
Unnamed Brook	1	1022.286	025 Year	111.10	124.57	128.10	128.10	0.000006	0.24	1309.37	528.50	0.02	
Unnamed Brook	1	1022.286	050 Year	166.90	124.57	128.31	128.31	0.000011	0.33	1423.50	531.16	0.03	
Unnamed Brook	1	1022.286	100 Year	231.80	124.57	128.51	128.51	0.000016	0.42	1528.61	534.07	0.04	
Unnamed Brook	1	798.5392	010 Year	53.50	124.28	127.94	127.94	0.000010	0.31	432.68	160.46	0.03	
Unnamed Brook	1	798.5392	025 Year	111.10	124.28	128.09	128.10	0.000037	0.62	457.40	165.30	0.06	
Unnamed Brook	1	798.5392	050 Year	166.90	124.28	128.30	128.31	0.000069	0.88	493.00	172.33	0.08	
Unnamed Brook	1	798.5392	100 Year	231.80	124.28	128.49	128.50	0.000111	1.15	526.39	177.77	0.10	
Unnamed Brook	1	772.176	010 Year	53.50	123.39	127.93	124.35	0.000035	0.62	96.37	143.17	0.05	
Unnamed Brook	1	772.176	025 Year	111.10	123.39	128.08	124.86	0.000090	1.01	172.82	153.77	0.09	
Unnamed Brook	1	772.176	050 Year	166.90	123.39	128.28	125.25	0.000161	1.40	192.44	213.40	0.12	
Unnamed Brook	1	772.176	100 Year	231.80	123.39	128.45	125.63	0.000259	1.82	211.24	259.26	0.15	
Unnamed Brook	1	739.2546	Culvert										
Unnamed Brook	1	53.0134	010 Year	53.50	121.39	124.20	122.36	0.000420	1.34	40.10	28.55	0.17	
Unnamed Brook	1	53.0134	025 Year	111.10	121.39	124.81	122.91	0.000583	1.88	88.35	304.91	0.20	
Unnamed Brook	1	53.0134	050 Year	166.90	121.39	125.72	123.32	0.000313	1.68	168.13	580.18	0.16	
Unnamed Brook	1	53.0134	100 Year	231.80	121.39	127.59	123.72	0.000090	1.19	331.34	1013.61	0.09	
Unnamed Brook	1	34.11355	010 Year	53.50	121.37	123.98	123.37	0.004909	3.36	15.94	211.62	0.52	
Unnamed Brook	1	34.11355	025 Year	111.10	121.37	124.29	124.05	0.009948	5.31	30.86	456.78	0.76	
Unnamed Brook	1	34.11355	050 Year	166.90	121.37	125.73	124.64	0.000214	1.21	349.11	846.30	0.12	
Unnamed Brook	1	34.11355	100 Year	231.80	121.37	127.60	124.78	0.000005	0.25	2866.02	996.40	0.02	
Unnamed Brook	1	18.98231	010 Year	53.50	121.35	123.37	123.36	0.019705	5.67	9.44	9.35	0.99	
Unnamed Brook	1	18.98231	025 Year	111.10	121.35	124.43	124.14	0.001142	1.94	248.33	559.71	0.26	
Unnamed Brook	1	18.98231	050 Year	166.90	121.35	125.73	124.25	0.000036	0.50	1177.98	818.70	0.05	
Unnamed Brook	1	18.98231	100 Year	231.80	121.35	127.60	124.34	0.000005	0.25	2869.30	974.99	0.02	
Policy Brook	2	12721.80	010 Year	126.00	122.70	123.62	123.63	0.000692	0.91	172.41	307.40	0.19	
Policy Brook	2	12721.80	025 Year	251.10	122.70	124.42	124.43	0.000152	0.70	482.77	477.02	0.10	
Policy Brook	2	12721.80	050 Year	368.70	122.70	125.73	125.73	0.000029	0.46	1242.55	787.09	0.05	
Policy Brook	2	12721.80	100 Year	491.90	122.70	127.59	127.60	0.000005	0.25	2768.96	841.33	0.02	
Policy Brook	2	11863.97	010 Year	126.00	121.02	123.17	123.17	0.000411	1.22	265.63	204.69	0.17	
Policy Brook	2	11863.97	025 Year	251.10	121.02	124.26	124.26	0.000241	1.30	512.28	246.96	0.14	
Policy Brook	2	11863.97	050 Year	368.70	121.02	125.68	125.68	0.000106	1.13	887.91	284.72	0.10	
Policy Brook	2	11863.97	100 Year	491.90	121.02	127.58	127.59	0.000044	0.94	1639.77	493.94	0.07	
Policy Brook	2	10817.71	010 Year	58.90	119.04	123.07	120.49	0.000022	0.35	218.88	218.48	0.04	
Policy Brook	2	10817.71	025 Year	83.90	119.04	124.21	120.78	0.000006	0.24	489.29	697.32	0.02	
Policy Brook	2	10817.71	050 Year	119.40	119.04	125.67	120.99	0.000002	0.17	1228.95	2013.69	0.01	
Policy Brook	2	10817.71	100 Year	282.50	119.04	127.58	121.59	0.000000	0.07	7693.90	3050.66	0.00	
Policy Brook	2	10681.47	010 Year	58.90	118.78	123.07	120.67	0.000038	0.42	140.18	67.93	0.05	
Policy Brook	2	10681.47	025 Year	83.90	118.78	124.21	120.91	0.000017	0.36	252.73	160.79	0.04	
Policy Brook	2	10681.47	050 Year	119.40	118.78	125.66	121.06	0.000005	0.26	586.34	402.54	0.02	
Policy Brook	2	10681.47	100 Year	282.50	118.78	127.58	121.57	0.000004	0.28	2038.80	1243.62	0.02	
Policy Brook	2	10675.46	010 Year	58.90	118.77	123.06	120.12	0.000081	0.87	76.60	65.15	0.08	
Policy Brook	2	10675.46	025 Year	83.90	118.77	124.20	120.41	0.000059	0.89	105.21	143.16	0.07	
Policy Brook	2	10675.46	050 Year	119.40	118.77	125.65	120.88	0.000045	0.93	141.46	396.99	0.07	

Policy Brook	2	10675.46	100 Year	282.50	118.77	127.58	Policy Brook_Scenario A.rep	121.69	127.58	0.000005	0.37	1981.58	1246.14	0.02
Policy Brook	2	10610.76		Culvert										
Policy Brook	2	10573.16	010 Year	58.90	118.17	122.93		119.77	123.00	0.001396	2.05	28.76	12.13	0.23
Policy Brook	2	10573.16	025 Year	83.90	118.17	123.97		120.18	124.02	0.001038	1.71	49.08	27.49	0.23
Policy Brook	2	10573.16	050 Year	119.40	118.17	125.18		120.70	125.20	0.000238	1.13	143.04	384.62	0.12
Policy Brook	2	10573.16	100 Year	282.50	118.17	127.58		123.40	127.58	0.000005	0.24	2149.84	1071.10	0.02
Policy Brook	2	10566.67	010 Year	58.90	118.48	122.95		120.72	122.97	0.000516	1.30	45.34	27.20	0.18
Policy Brook	2	10566.67	025 Year	83.90	118.48	123.98		121.06	124.00	0.000213	1.08	79.99	40.88	0.12
Policy Brook	2	10566.67	050 Year	119.40	118.48	125.19		121.45	125.19	0.000057	0.73	278.54	378.10	0.07
Policy Brook	2	10566.67	100 Year	282.50	118.48	127.58		122.72	127.58	0.000005	0.30	1833.09	820.20	0.02
Policy Brook	2	10550.52	010 Year	58.90	119.23	122.94		120.49	122.97	0.000221	1.24	54.35	32.80	0.12
Policy Brook	2	10550.52	025 Year	83.90	119.23	123.98		120.78	124.00	0.000139	1.19	81.28	72.45	0.10
Policy Brook	2	10550.52	050 Year	119.40	119.23	125.17		121.13	125.19	0.000104	1.21	112.12	228.03	0.09
Policy Brook	2	10550.52	100 Year	282.50	119.23	127.58		122.32	127.58	0.000008	0.44	1516.68	790.18	0.03
Policy Brook	2	10522.39		Culvert										
Policy Brook	2	10494.58	010 Year	58.90	118.38	122.72		119.46	122.73	0.000036	0.60	129.70	82.95	0.05
Policy Brook	2	10494.58	025 Year	83.90	118.38	123.71		119.72	123.71	0.000025	0.58	191.38	101.16	0.05
Policy Brook	2	10494.58	050 Year	119.40	118.38	124.73		120.03	124.74	0.000020	0.60	256.73	177.51	0.04
Policy Brook	2	10494.58	100 Year	282.50	118.38	127.57		121.20	127.58	0.000006	0.44	1631.73	801.70	0.03
Policy Brook	3	10414.99	010 Year	236.20	118.31	122.69		120.86	122.72	0.000278	1.70	199.48	87.31	0.15
Policy Brook	3	10414.99	025 Year	372.60	118.31	123.67		121.27	123.70	0.000239	1.83	288.81	95.30	0.15
Policy Brook	3	10414.99	050 Year	476.40	118.31	124.70		121.46	124.73	0.000163	1.72	391.46	148.35	0.12
Policy Brook	3	10414.99	100 Year	770.40	118.31	127.56		121.90	127.57	0.000056	1.30	1323.02	507.26	0.08
Policy Brook	3	10325.83	010 Year	236.20	118.24	122.63		120.86	122.68	0.000497	2.25	157.19	65.81	0.20
Policy Brook	3	10325.83	025 Year	372.60	118.24	123.61		121.30	123.67	0.000462	2.52	224.25	71.68	0.20
Policy Brook	3	10325.83	050 Year	476.40	118.24	124.65		121.55	124.70	0.000328	2.42	302.39	79.69	0.18
Policy Brook	3	10325.83	100 Year	770.40	118.24	127.53		122.12	127.56	0.000144	2.09	1065.01	569.73	0.12
Policy Brook	3	10291.22	010 Year	236.20	118.21	122.61		120.83	122.67	0.000498	2.26	156.78	66.47	0.20
Policy Brook	3	10291.22	025 Year	372.60	118.21	123.59		121.31	123.65	0.000457	2.51	224.67	72.42	0.20
Policy Brook	3	10291.22	050 Year	476.40	118.21	124.64		121.56	124.69	0.000322	2.40	303.98	78.92	0.17
Policy Brook	3	10291.22	100 Year	770.40	118.21	127.53		122.13	127.56	0.000150	2.14	1084.16	607.82	0.13
Policy Brook	3	10030.86	010 Year	236.20	118.00	122.47			122.53	0.000529	2.36	150.06	65.00	0.21
Policy Brook	3	10030.86	025 Year	372.60	118.00	123.46			123.53	0.000479	2.60	217.37	70.96	0.21
Policy Brook	3	10030.86	050 Year	476.40	118.00	124.55			124.61	0.000327	2.45	298.26	77.52	0.18
Policy Brook	3	10030.86	100 Year	770.40	118.00	127.49			127.52	0.000143	2.11	1018.43	519.63	0.12
Policy Brook	3	9609.047	010 Year	236.20	117.66	122.31		120.09	122.35	0.000329	1.97	181.25	64.51	0.17
Policy Brook	3	9609.047	025 Year	372.60	117.66	123.31		120.49	123.36	0.000337	2.29	253.38	98.93	0.18
Policy Brook	3	9609.047	050 Year	476.40	117.66	124.45		120.74	124.49	0.000220	2.11	390.91	139.13	0.15
Policy Brook	3	9609.047	100 Year	770.40	117.66	127.46		121.33	127.47	0.000081	1.66	1294.76	532.26	0.09
Policy Brook	3	9506.646	010 Year	236.20	117.57	122.28		120.02	122.32	0.000317	1.89	178.14	64.86	0.16
Policy Brook	3	9506.646	025 Year	372.60	117.57	123.27		120.46	123.32	0.000325	2.21	245.49	71.41	0.17
Policy Brook	3	9506.646	050 Year	476.40	117.57	124.42		120.71	124.47	0.000227	2.12	364.40	134.90	0.15
Policy Brook	3	9506.646	100 Year	770.40	117.57	127.45		121.32	127.46	0.000074	1.57	1282.07	524.47	0.09
Policy Brook	3	9484.417	010 Year	236.20	117.57	122.20		120.14	122.26	0.000435	2.19	130.85	64.40	0.19
Policy Brook	3	9484.417	025 Year	372.60	117.57	123.18		120.58	123.26	0.000454	2.58	171.84	70.25	0.20
Policy Brook	3	9484.417	050 Year	476.40	117.57	124.34		120.86	124.42	0.000330	2.52	220.67	124.11	0.18
Policy Brook	3	9484.417	100 Year	770.40	117.57	127.35		121.48	127.43	0.000195	2.52	346.98	541.18	0.15
Policy Brook	3	9434.022		Culvert										
Policy Brook	3	9362.233	010 Year	245.80	117.45	122.16		120.04	122.21	0.000449	2.26	156.40	57.97	0.19
Policy Brook	3	9362.233	025 Year	380.70	117.45	123.08		120.50	123.15	0.000461	2.61	209.95	63.65	0.20
Policy Brook	3	9362.233	050 Year	485.60	117.45	124.15		120.77	124.22	0.000338	2.54	275.32	70.57	0.18
Policy Brook	3	9362.233	100 Year	790.60	117.45	126.73		121.44	126.80	0.000212	2.53	435.30	521.82	0.15
Policy Brook	3	9142.391	010 Year	245.80	117.27	122.07		119.93	122.12	0.000374	2.09	175.19	65.10	0.18
Policy Brook	3	9142.391	025 Year	380.70	117.27	122.99		120.38	123.05	0.000385	2.42	237.82	70.62	0.19
Policy Brook	3	9142.391	050 Year	485.60	117.27	124.09		120.64	124.14	0.000278	2.33	318.99	79.17	0.16
Policy Brook	3	9142.391	100 Year	790.60	117.27	126.70		121.26	126.74	0.000181	2.37	828.56	395.07	0.14
Policy Brook	3	8718.068	010 Year	245.80	116.93	121.92		119.52	121.97	0.000331	2.02	182.61	67.28	0.17
Policy Brook	3	8718.068	025 Year	380.70	116.93	122.84		120.17	122.90	0.000346	2.34	246.89	248.61	0.18
Policy Brook	3	8718.068	050 Year	485.60	116.93	123.98		120.44	124.03	0.000244	2.24	334.00	345.28	0.15
Policy Brook	3	8718.068	100 Year	790.60	116.93	126.70		121.06	126.71	0.000031	1.00	1887.37	584.35	0.06
Policy Brook	3	8431.533	010 Year	245.80	116.69	121.93		119.23	121.93	0.000040	0.75	619.68	253.98	0.06

PolicyBrook_Scenario A.rep													
Policy Brook	3	8431.533	025 Year	380.70	116.69	122.85	119.70	122.86	0.000039	0.83	835.54	346.67	0.06
Policy Brook	3	8431.533	050 Year	485.60	116.69	124.00	119.87	124.00	0.000028	0.79	1122.13	719.67	0.05
Policy Brook	3	8431.533	100 Year	790.60	116.69	126.70	120.20	126.70	0.000005	0.43	5553.79	2031.03	0.02
Policy Brook	3	8255.488	010 Year	245.80	116.55	121.92	118.92	121.92	0.000019	0.52	895.53	320.37	0.04
Policy Brook	3	8255.488	025 Year	380.70	116.55	122.85	119.25	122.85	0.000019	0.58	1197.08	366.72	0.04
Policy Brook	3	8255.488	050 Year	485.60	116.55	124.00	119.38	124.00	0.000013	0.55	1588.07	1064.19	0.04
Policy Brook	3	8255.488	100 Year	790.60	116.55	126.70	119.62	126.70	0.000003	0.35	6214.50	2046.42	0.02
Policy Brook	3	8225.217	010 Year	245.80	116.52	121.92	118.86	121.92	0.000071	0.99	560.05	351.05	0.08
Policy Brook	3	8225.217	025 Year	380.70	116.52	122.85	119.63	122.85	0.000051	0.94	929.32	432.58	0.07
Policy Brook	3	8225.217	050 Year	485.60	116.52	123.99	120.19	124.00	0.000024	0.74	1579.47	958.64	0.05
Policy Brook	3	8225.217	100 Year	790.60	116.52	126.70	120.96	126.70	0.000004	0.39	5548.70	2018.28	0.02
Policy Brook	3	8197.515	010 Year	245.80	116.50	121.83	118.66	121.90	0.000380	2.20	121.75	187.18	0.18
Policy Brook	3	8197.515	025 Year	380.70	116.50	122.71	119.44	122.82	0.000489	2.79	147.96	308.35	0.21
Policy Brook	3	8197.515	050 Year	485.60	116.50	123.85	119.84	123.96	0.000406	2.88	182.13	715.50	0.19
Policy Brook	3	8197.515	100 Year	790.60	116.50	126.70	120.69	126.70	0.000005	0.39	4685.48	1683.05	0.02
Policy Brook	3	8152.274	Culvert										
Policy Brook	3	8074.433	010 Year	245.80	117.94	121.54	119.55	121.59	0.000609	2.08	207.96	313.78	0.21
Policy Brook	3	8074.433	025 Year	380.70	117.94	122.11	120.22	122.19	0.000691	2.50	279.31	510.65	0.24
Policy Brook	3	8074.433	050 Year	485.60	117.94	122.86	120.66	122.93	0.000510	2.44	372.51	893.67	0.21
Policy Brook	3	8074.433	100 Year	790.60	117.94	124.35	121.26	124.43	0.000417	2.70	557.16	1754.50	0.20
Policy Brook	3	7488.432	010 Year	251.40	116.30	120.60		120.78	0.004454	3.51	90.23	123.17	0.52
Policy Brook	3	7488.432	025 Year	386.60	116.30	121.58		121.66	0.001202	2.52	318.32	331.90	0.29
Policy Brook	3	7488.432	050 Year	490.90	116.30	122.65		122.68	0.000319	1.67	746.37	487.57	0.16
Policy Brook	3	7488.432	100 Year	794.70	116.30	124.27		124.28	0.000110	1.27	1761.28	716.79	0.10
Policy Brook	3	6591.132	010 Year	251.40	115.13	119.80	117.80	119.80	0.000037	0.49	1432.07	759.99	0.05
Policy Brook	3	6591.132	025 Year	386.60	115.13	121.29	117.93	121.29	0.000014	0.41	2584.20	782.55	0.04
Policy Brook	3	6591.132	050 Year	490.90	115.13	122.48	118.01	122.48	0.000009	0.38	3522.77	803.21	0.03
Policy Brook	3	6591.132	100 Year	794.70	115.13	124.12	118.22	124.13	0.000008	0.45	4886.89	919.47	0.03
Policy Brook	3	5852.264	010 Year	852.20	114.17	119.74	117.86	119.74	0.000096	1.00	2040.09	996.95	0.09
Policy Brook	3	5852.264	025 Year	1254.70	114.17	121.27	117.98	121.27	0.000040	0.80	3614.63	1071.64	0.06
Policy Brook	3	5852.264	050 Year	1561.50	114.17	122.46	118.07	122.46	0.000025	0.71	4932.36	1137.00	0.05
Policy Brook	3	5852.264	100 Year	2105.10	114.17	124.11	118.21	124.11	0.000018	0.70	6889.33	1360.04	0.04
Policy Brook	3	5426.726	010 Year	852.20	113.62	119.59	116.75	119.66	0.000441	2.55	616.40	442.66	0.20
Policy Brook	3	5426.726	025 Year	1254.70	113.62	121.21	117.24	121.24	0.000157	1.84	1425.78	592.17	0.13
Policy Brook	3	5426.726	050 Year	1561.50	113.62	122.43	117.55	122.45	0.000080	1.47	2189.46	693.19	0.09
Policy Brook	3	5426.726	100 Year	2105.10	113.62	124.09	117.98	124.10	0.000044	1.25	3445.54	861.84	0.07
Policy Brook	3	4930.878	010 Year	852.20	112.98	119.02	116.80	119.28	0.001403	4.13	213.26	58.41	0.35
Policy Brook	3	4930.878	025 Year	1254.70	112.98	120.80	117.53	121.06	0.000904	4.18	327.32	71.54	0.30
Policy Brook	3	4930.878	050 Year	1561.50	112.98	122.08	117.98	122.33	0.000699	4.18	432.33	132.94	0.27
Policy Brook	3	4930.878	100 Year	2105.10	112.98	123.87	118.73	124.04	0.000410	3.70	1022.02	622.08	0.22
Policy Brook	3	4870.725	010 Year	852.20	112.90	118.36	116.65	119.04	0.003208	6.76	139.53	36.09	0.52
Policy Brook	3	4870.725	025 Year	1254.70	112.90	120.13	117.74	120.84	0.002383	7.06	203.02	56.23	0.47
Policy Brook	3	4870.725	050 Year	1561.50	112.90	121.40	118.41	122.13	0.002001	7.21	248.60	231.89	0.44
Policy Brook	3	4870.725	100 Year	2105.10	112.90	123.86	119.52	124.00	0.000470	4.15	1124.95	536.36	0.22
Policy Brook	3	4840.379	Culvert										
Policy Brook	3	4810.343	010 Year	852.20	111.72	117.11	115.40	117.82	0.004014	6.77	126.48	28.60	0.54
Policy Brook	3	4810.343	025 Year	1254.70	111.72	117.79	116.44	118.96	0.005547	8.70	147.15	31.83	0.65
Policy Brook	3	4810.343	050 Year	1561.50	111.72	118.30	117.13	119.80	0.006328	9.86	163.39	34.23	0.71
Policy Brook	3	4810.343	100 Year	2105.10	111.72	118.81	118.30	121.08	0.008637	12.16	179.84	36.66	0.84
Policy Brook	3	4749.749	010 Year	852.20	111.63	117.28	115.33	117.44	0.000977	3.59	346.90	149.20	0.30
Policy Brook	3	4749.749	025 Year	1254.70	111.63	118.18	116.12	118.35	0.000908	3.90	494.51	181.07	0.29
Policy Brook	3	4749.749	050 Year	1561.50	111.63	118.86	116.60	119.03	0.000800	3.96	622.43	196.70	0.28
Policy Brook	3	4749.749	100 Year	2105.10	111.63	119.75	117.11	119.92	0.000768	4.24	811.32	226.98	0.28
Policy Brook	3	3785.535	010 Year	852.20	110.12	116.88	114.67	116.90	0.000289	1.82	722.27	236.06	0.16
Policy Brook	3	3785.535	025 Year	1254.70	110.12	117.81	114.94	117.85	0.000270	2.02	947.60	247.68	0.16
Policy Brook	3	3785.535	050 Year	1561.50	110.12	118.53	115.11	118.57	0.000246	2.10	1133.47	279.38	0.15
Policy Brook	3	3785.535	100 Year	2105.10	110.12	119.43	115.37	119.47	0.000240	2.28	1528.34	523.78	0.15
Policy Brook	3	3561.745	010 Year	852.20	109.77	116.83		116.85	0.000196	1.50	879.01	272.87	0.13
Policy Brook	3	3561.745	025 Year	1254.70	109.77	117.77		117.79	0.000190	1.68	1140.52	285.52	0.13
Policy Brook	3	3561.745	050 Year	1561.50	109.77	118.49		118.52	0.000178	1.77	1352.25	299.55	0.13
Policy Brook	3	3561.745	100 Year	2105.10	109.77	119.39		119.42	0.000188	2.01	1649.35	362.62	0.13
Policy Brook	3	3496.305	010 Year	852.20	109.67	116.82		116.84	0.000163	1.45	866.02	272.18	0.12

PolicyBrook_scenario A.rep													
Policy Brook	3	3496.305	025 Year	1254.70	109.67	117.75	117.78	0.000161	1.64	1126.73	284.27	0.12	
Policy Brook	3	3496.305	050 Year	1561.50	109.67	118.48	118.51	0.000152	1.74	1337.14	297.76	0.12	
Policy Brook	3	3496.305	100 Year	2105.10	109.67	119.38	119.41	0.000164	1.98	1620.35	347.42	0.13	
Policy Brook	3	3451.305	010 Year	857.20	109.60	116.51	112.98	0.000908	4.15	235.23	168.77	0.28	
Policy Brook	3	3451.305	025 Year	1261.10	109.60	117.67	113.91	0.000383	3.00	780.17	281.29	0.19	
Policy Brook	3	3451.305	050 Year	1567.20	109.60	118.40	114.52	0.000372	3.13	1011.05	340.84	0.19	
Policy Brook	3	3451.305	100 Year	2109.30	109.60	119.31	115.49	0.000349	3.23	1342.28	382.57	0.18	
Policy Brook	3	3420.783		Culvert									
Policy Brook	3	3390.376	010 Year	857.20	109.74	116.24	113.04	0.001790	5.08	175.20	36.93	0.35	
Policy Brook	3	3390.376	025 Year	1261.10	109.74	116.79	114.01	0.002871	6.81	196.44	42.46	0.46	
Policy Brook	3	3390.376	050 Year	1567.20	109.74	117.14	114.67	0.003716	8.00	209.94	49.73	0.52	
Policy Brook	3	3390.376	100 Year	2109.30	109.74	117.55	115.86	0.005555	10.14	249.47	157.91	0.64	
Policy Brook	3	3330.329	010 Year	857.20	109.71	116.38	114.49	0.000363	1.98	653.75	256.39	0.18	
Policy Brook	3	3330.329	025 Year	1261.10	109.71	117.08	114.88	0.000379	2.26	834.83	262.14	0.19	
Policy Brook	3	3330.329	050 Year	1567.20	109.71	117.55	115.07	0.000387	2.43	958.04	266.16	0.19	
Policy Brook	3	3330.329	100 Year	2109.30	109.71	118.24	115.37	0.000411	2.73	1144.21	272.25	0.20	
Policy Brook	3	2176.204	010 Year	857.20	109.02	116.24	111.89	0.000069	1.15	1755.18	599.80	0.08	
Policy Brook	3	2176.204	025 Year	1261.10	109.02	116.92	112.28	0.000082	1.34	2472.92	682.09	0.09	
Policy Brook	3	2176.204	050 Year	1567.20	109.02	117.38	112.45	0.000090	1.47	2789.85	707.28	0.10	
Policy Brook	3	2176.204	100 Year	2109.30	109.02	118.05	112.84	0.000105	1.69	3273.67	731.55	0.11	
Policy Brook	3	1257.926	010 Year	857.20	108.48	116.12	112.34	0.000178	1.94	1128.08	687.73	0.13	
Policy Brook	3	1257.926	025 Year	1261.10	108.48	116.83	113.03	0.000118	1.69	2527.96	798.76	0.11	
Policy Brook	3	1257.926	050 Year	1567.20	108.48	117.27	113.43	0.000129	1.84	2858.88	810.93	0.12	
Policy Brook	3	1257.926	100 Year	2109.30	108.48	117.93	113.73	0.000148	2.08	3348.23	827.50	0.13	
Policy Brook	3	177.2269	010 Year	857.20	108.45	115.70	112.14	0.000601	2.93	402.89	340.11	0.23	
Policy Brook	3	177.2269	025 Year	1261.10	108.45	116.46	112.94	0.000600	3.23	649.31	461.68	0.24	
Policy Brook	3	177.2269	050 Year	1567.20	108.45	116.89	113.48	0.000601	3.39	801.28	588.07	0.24	
Policy Brook	3	177.2269	100 Year	2109.30	108.45	117.53	114.45	0.000598	3.61	1250.62	756.76	0.24	
Policy Backwater	1	796.3802	010 Year	1.00	124.80	125.28	124.89	0.000132	0.27	3.69	8.73	0.07	
Policy Backwater	1	796.3802	025 Year	1.00	124.80	125.28	124.89	0.000138	0.27	3.64	8.71	0.07	
Policy Backwater	1	796.3802	050 Year	1.00	124.80	125.74	124.89	0.000013	0.12	8.19	10.83	0.02	
Policy Backwater	1	796.3802	100 Year	1.00	124.80	127.60	124.89	0.000000	0.03	36.21	20.54	0.00	
Policy Backwater	1	759.9449	010 Year	1.00	124.73	125.10	124.83	0.000601	0.49	2.06	6.25	0.15	
Policy Backwater	1	759.9449	025 Year	1.00	124.73	125.08	124.83	0.000729	0.52	1.93	6.18	0.16	
Policy Backwater	1	759.9449	050 Year	1.00	124.73	125.73	124.83	0.000018	0.15	6.72	8.42	0.03	
Policy Backwater	1	759.9449	100 Year	1.00	124.73	127.60	124.83	0.000000	0.04	29.80	19.30	0.00	
Policy Backwater	1	406.3698	010 Year	1.00	124.06	124.34	124.34	0.033946	2.10	0.48	3.36	0.99	
Policy Backwater	1	406.3698	025 Year	1.00	124.06	124.42	124.34	0.010004	1.33	0.75	4.22	0.56	
Policy Backwater	1	406.3698	050 Year	1.00	124.06	125.73	124.34	0.000003	0.05	20.31	32.35	0.01	
Policy Backwater	1	406.3698	100 Year	1.00	124.06	127.60	124.34	0.000000	0.01	283.25	275.13	0.00	

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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PROJECT DATA
Project Title: Scenario B
Project File : PolicyBrook_Propose.prj
Run Date and Time: 8/1/2017 8:13:44 AM

Project in English units

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	w.S. Elev (ft)	Crit w.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top width (ft)	Froude # Ch1
West Policy Brk	2	5119.913	010 Year	151.30	128.40	134.00	130.64	134.05	0.000799	1.77	85.43	44.48	0.17
West Policy Brk	2	5119.913	025 Year	268.10	128.40	135.35	131.54	135.39	0.000703	1.56	172.14	58.52	0.16
West Policy Brk	2	5119.913	050 Year	373.80	128.40	135.79	132.45	135.85	0.000941	1.88	198.77	63.60	0.19
West Policy Brk	2	5119.913	100 Year	492.20	128.40	136.18	132.87	136.25	0.001171	2.20	224.40	71.55	0.21
West Policy Brk	2	5043.913	Culvert										
West Policy Brk	2	5009.594	010 Year	151.30	128.00	130.70	130.70	131.58	0.036166	7.54	20.07	107.34	1.00
West Policy Brk	2	5009.594	025 Year	268.10	128.00	131.66	131.66	132.14	0.038854	5.55	48.26	450.18	1.00
West Policy Brk	2	5009.594	050 Year	373.80	128.00	131.90	131.90	132.49	0.036439	6.16	60.68	544.98	1.00
West Policy Brk	2	5009.594	100 Year	492.20	128.00	132.14	132.14	132.84	0.034275	6.75	72.90	593.65	1.00
West Policy Brk	2	4854.862	010 Year	151.30	128.00	130.64		130.64	0.001373	0.83	296.75	403.89	0.18
West Policy Brk	2	4854.862	025 Year	268.10	128.00	131.05		131.05	0.001112	0.87	502.35	559.65	0.17
West Policy Brk	2	4854.862	050 Year	373.80	128.00	131.28		131.29	0.001080	1.02	639.09	607.72	0.17
West Policy Brk	2	4854.862	100 Year	492.20	128.00	131.56		131.57	0.000992	1.13	813.81	646.91	0.17
West Policy Brk	2	4595.263	010 Year	151.30	128.36	130.58	129.52	130.58	0.000085	0.41	951.27	978.59	0.05
West Policy Brk	2	4595.263	025 Year	268.10	128.36	130.98	129.63	130.98	0.000096	0.50	1346.08	1143.12	0.06
West Policy Brk	2	4595.263	050 Year	373.80	128.36	131.21	129.70	131.21	0.000118	0.59	1577.09	1264.95	0.07
West Policy Brk	2	4595.263	100 Year	492.20	128.36	131.49	129.77	131.49	0.000115	0.62	2060.28	1520.03	0.07
West Policy Brk	2	4335.653	010 Year	151.30	128.29	130.54	128.92	130.55	0.000212	0.59	261.10	1494.19	0.08
West Policy Brk	2	4335.653	025 Year	268.10	128.29	130.94	129.11	130.95	0.000315	0.84	344.36	2178.29	0.10
West Policy Brk	2	4335.653	050 Year	373.80	128.29	131.17	129.26	131.17	0.000236	0.78	831.28	2526.20	0.09
West Policy Brk	2	4335.653	100 Year	492.20	128.29	131.46	129.40	131.46	0.000121	0.61	1932.46	2654.58	0.07
West Policy Brk	2	3928.873	010 Year	151.30	127.46	130.43		130.44	0.000339	0.90	506.73	651.74	0.11
West Policy Brk	2	3928.873	025 Year	268.10	127.46	130.81		130.81	0.000352	1.02	773.36	790.40	0.11
West Policy Brk	2	3928.873	050 Year	373.80	127.46	131.05		131.05	0.000380	1.13	970.54	854.59	0.12
West Policy Brk	2	3928.873	100 Year	492.20	127.46	131.38		131.39	0.000311	1.10	1275.85	956.08	0.11
West Policy Brk	2	3522.092	010 Year	151.30	126.90	129.64	129.64	129.94	0.043158	4.39	34.50	681.33	0.99
West Policy Brk	2	3522.092	025 Year	268.10	126.90	129.97	129.97	130.30	0.038185	4.63	62.33	866.29	0.96
West Policy Brk	2	3522.092	050 Year	373.80	126.90	130.25	130.20	130.52	0.029065	4.27	100.65	993.95	0.85
West Policy Brk	2	3522.092	100 Year	492.20	126.90	131.31	130.33	131.31	0.000123	0.48	1937.74	1182.54	0.06
West Policy Brk	2	3086.213	010 Year	151.30	126.04	128.59		128.59	0.000195	0.65	426.69	393.52	0.08
West Policy Brk	2	3086.213	025 Year	268.10	126.04	129.65		129.65	0.000083	0.56	951.39	552.71	0.06
West Policy Brk	2	3086.213	050 Year	373.80	126.04	130.34		130.34	0.000061	0.56	1338.50	576.59	0.05
West Policy Brk	2	3086.213	100 Year	492.20	126.04	131.28		131.28	0.000038	0.51	1939.93	731.49	0.04
West Policy Brk	2	2650.328	010 Year	151.30	125.73	128.35	127.17	128.39	0.002418	1.48	101.92	99.16	0.26
West Policy Brk	2	2650.328	025 Year	268.10	125.73	129.56	127.59	129.58	0.000491	1.06	305.75	450.16	0.13
West Policy Brk	2	2650.328	050 Year	373.80	125.73	130.28	127.93	130.29	0.000299	1.01	492.94	683.69	0.11
West Policy Brk	2	2650.328	100 Year	492.20	125.73	131.24	128.21	131.25	0.000152	0.88	790.51	875.63	0.08
West Policy Brk	2	2624.007	010 Year	151.30	125.80	128.30	126.93	128.33	0.001756	1.36	111.42	97.57	0.22

West	Policy	Brk	2	2624.007	025 Year	268.10	125.80	129.56	127.34	129.57	0.000355	0.93	378.28	378.85	0.11
West	Policy	Brk	2	2624.007	050 Year	373.80	125.80	130.28	127.70	130.28	0.000156	0.75	776.02	704.06	0.08
West	Policy	Brk	2	2624.007	100 Year	492.20	125.80	131.25	127.92	131.25	0.000043	0.47	1631.62	999.81	0.04
West	Policy	Brk	2	2583.834	010 Year	170.10	124.66	127.73	126.62	128.09	0.009624	4.77	35.65	12.69	0.50
West	Policy	Brk	2	2583.834	025 Year	278.60	124.66	129.08	127.37	129.42	0.011788	4.73	58.86	146.62	0.57
West	Policy	Brk	2	2583.834	050 Year	348.00	124.66	129.92	127.78	130.19	0.006042	4.11	84.69	365.57	0.43
West	Policy	Brk	2	2583.834	100 Year	489.10	124.66	131.24	129.15	131.25	0.000116	0.66	1347.70	1036.64	0.06
West	Policy	Brk	2	2546.321		Culvert									
West	Policy	Brk	2	1945.455	010 Year	176.70	123.80	125.37	125.37	125.98	0.022918	6.24	28.30	23.70	1.01
West	Policy	Brk	2	1945.455	025 Year	286.70	123.80	125.86	125.86	126.63	0.021155	7.03	40.76	26.76	1.00
West	Policy	Brk	2	1945.455	050 Year	356.00	123.80	126.11	126.11	126.98	0.020267	7.49	47.62	28.21	1.00
West	Policy	Brk	2	1945.455	100 Year	497.80	123.80	127.91		128.29	0.003554	5.01	107.25	38.32	0.47
West	Policy	Brk	2	1887.409	010 Year	176.70	120.14	125.05		125.08	0.000226	1.28	143.08	48.31	0.12
West	Policy	Brk	2	1887.409	025 Year	286.70	120.14	125.56		125.61	0.000375	1.80	168.80	52.37	0.16
West	Policy	Brk	2	1887.409	050 Year	356.00	120.14	126.39		126.44	0.000302	1.83	215.06	58.96	0.15
West	Policy	Brk	2	1887.409	100 Year	497.80	120.14	128.04		128.09	0.000209	1.85	322.43	71.45	0.13
West	Policy	Brk	2	1818.591	010 Year	176.70	120.00	125.05		125.06	0.000093	0.82	215.77	61.11	0.08
West	Policy	Brk	2	1818.591	025 Year	286.70	120.00	125.57		125.59	0.000165	1.16	248.16	64.97	0.10
West	Policy	Brk	2	1818.591	050 Year	356.00	120.00	126.40		126.42	0.000133	1.18	305.06	71.45	0.10
West	Policy	Brk	2	1818.591	100 Year	497.80	120.00	128.05		128.07	0.000093	1.20	434.25	85.62	0.08
West	Policy	Brk	2	1634.729	010 Year	176.70	114.00	125.06		125.06	0.000001	0.13	1539.26	257.52	0.01
West	Policy	Brk	2	1634.729	025 Year	286.70	114.00	125.58		125.58	0.000002	0.20	1675.82	267.94	0.01
West	Policy	Brk	2	1634.729	050 Year	356.00	114.00	126.41		126.41	0.000002	0.22	1912.11	293.95	0.01
West	Policy	Brk	2	1634.729	100 Year	497.80	114.00	128.06		128.06	0.000002	0.25	2406.93	305.86	0.01
West	Policy	Brk	2	1534.261	010 Year	176.70	114.00	125.06		125.06	0.000002	0.17	1105.05	195.70	0.01
West	Policy	Brk	2	1534.261	025 Year	286.70	114.00	125.58		125.58	0.000004	0.26	1209.64	207.03	0.02
West	Policy	Brk	2	1534.261	050 Year	356.00	114.00	126.41		126.41	0.000004	0.29	1394.24	231.41	0.02
West	Policy	Brk	2	1534.261	100 Year	497.80	114.00	128.06		128.06	0.000004	0.32	1785.61	243.05	0.02
West	Policy	Brk	2	1490.863	010 Year	176.70	114.00	125.06		125.06	0.000004	0.22	868.70	171.37	0.02
West	Policy	Brk	2	1490.863	025 Year	286.70	114.00	125.58		125.58	0.000007	0.33	959.84	179.45	0.02
West	Policy	Brk	2	1490.863	050 Year	356.00	114.00	126.41		126.41	0.000008	0.36	1122.57	207.23	0.02
West	Policy	Brk	2	1490.863	100 Year	497.80	114.00	128.06		128.06	0.000007	0.39	1474.02	218.84	0.02
West	Policy	Brk	2	1415.031	010 Year	176.70	118.00	125.06		125.06	0.000017	0.39	526.24	143.53	0.03
West	Policy	Brk	2	1415.031	025 Year	286.70	118.00	125.57		125.58	0.000031	0.55	603.23	154.57	0.05
West	Policy	Brk	2	1415.031	050 Year	356.00	118.00	126.41		126.41	0.000028	0.57	744.17	178.98	0.04
West	Policy	Brk	2	1415.031	100 Year	497.80	118.00	128.06		128.06	0.000020	0.58	1049.74	191.93	0.04
West	Policy	Brk	2	1253.992	010 Year	176.70	120.00	125.04		125.05	0.000115	0.81	269.33	97.58	0.08
West	Policy	Brk	2	1253.992	025 Year	286.70	120.00	125.55		125.57	0.000189	1.11	320.59	104.52	0.11
West	Policy	Brk	2	1253.992	050 Year	356.00	120.00	126.39		126.40	0.000147	1.07	412.75	115.50	0.10
West	Policy	Brk	2	1253.992	100 Year	497.80	120.00	128.04		128.06	0.000095	0.99	621.90	137.33	0.08
West	Policy	Brk	2	1235.739	010 Year	176.70	120.00	125.02	121.87	125.05	0.000171	1.19	148.54	67.50	0.11
West	Policy	Brk	2	1235.739	025 Year	286.70	120.00	125.51	122.30	125.55	0.000304	1.72	166.95	70.03	0.14
West	Policy	Brk	2	1235.739	050 Year	356.00	120.00	126.34	122.50	126.39	0.000263	1.79	198.54	74.93	0.14
West	Policy	Brk	2	1235.739	100 Year	497.80	120.00	127.98	122.86	128.04	0.000207	1.91	261.05	85.63	0.13
West	Policy	Brk	2	1207.33		Culvert									
West	Policy	Brk	2	1104.084	010 Year	176.70	120.00	124.97	121.89	125.00	0.000313	1.51	120.48	38.77	0.14
West	Policy	Brk	2	1104.084	025 Year	286.70	120.00	125.38	122.40	125.45	0.000573	2.20	136.96	41.25	0.19
West	Policy	Brk	2	1104.084	050 Year	356.00	120.00	126.16	122.68	126.24	0.000481	2.26	171.15	45.98	0.18
West	Policy	Brk	2	1104.084	100 Year	497.80	120.00	127.60	123.18	127.68	0.000376	2.38	243.39	54.63	0.17
West	Policy	Brk	2	1076.659	010 Year	176.70	120.01	124.95		124.99	0.000334	1.70	119.31	40.15	0.15
West	Policy	Brk	2	1076.659	025 Year	286.70	120.01	125.35		125.44	0.000633	2.49	135.62	42.54	0.21
West	Policy	Brk	2	1076.659	050 Year	356.00	120.01	126.13		126.23	0.000544	2.57	170.92	47.31	0.20
West	Policy	Brk	2	1076.659	100 Year	497.80	120.01	127.57		127.67	0.000435	2.70	245.25	56.03	0.18
West	Policy	Brk	2	1047.767	010 Year	176.70	123.80	124.56	124.56	124.93	0.026388	4.86	36.35	50.01	1.01
West	Policy	Brk	2	1047.767	025 Year	286.70	123.80	124.85	124.85	125.34	0.023944	5.65	50.76	51.76	1.01
West	Policy	Brk	2	1047.767	050 Year	356.00	123.80	126.05		126.19	0.002574	3.05	117.38	59.14	0.37
West	Policy	Brk	2	1047.767	100 Year	497.80	123.80	127.56		127.65	0.000796	2.44	213.90	68.63	0.23
West	Policy	Brk	2	1025.149	010 Year	176.70	119.00	123.26		123.33	0.000783	2.18	113.94	53.42	0.21
West	Policy	Brk	2	1025.149	025 Year	286.70	119.00	124.93		124.98	0.000409	2.09	215.41	68.84	0.17
West	Policy	Brk	2	1025.149	050 Year	356.00	119.00	126.10		126.15	0.000269	1.96	303.35	80.96	0.14
West	Policy	Brk	2	1025.149	100 Year	497.80	119.00	127.58		127.63	0.000217	2.03	434.02	95.13	0.13
West	Policy	Brk	2	990.9073	010 Year	176.70	119.50	123.27		123.30	0.000352	1.65	208.44	78.19	0.15

Scenario B.rep													
West Policy Brk	2	990.9073	025 Year	286.70	119.50	124.94	124.96	0.000213	1.64	346.46	87.41	0.12	
West Policy Brk	2	990.9073	050 Year	356.00	119.50	126.12	126.13	0.000152	1.58	452.78	93.78	0.11	
West Policy Brk	2	990.9073	100 Year	497.80	119.50	127.60	127.61	0.000135	1.71	597.50	101.86	0.11	
West Policy Brk	2	893.2678	010 Year	176.70	119.39	123.20	123.25	0.000560	2.07	147.19	62.85	0.19	
West Policy Brk	2	893.2678	025 Year	286.70	119.39	124.90	124.93	0.000311	1.99	262.59	73.31	0.15	
West Policy Brk	2	893.2678	050 Year	356.00	119.39	126.08	126.11	0.000215	1.88	353.63	80.40	0.13	
West Policy Brk	2	893.2678	100 Year	497.80	119.39	127.56	127.60	0.000186	2.01	479.59	89.66	0.12	
West Policy Brk	2	511.8787	010 Year	176.70	118.92	122.97	123.03	0.000610	2.23	133.15	55.08	0.20	
West Policy Brk	2	511.8787	025 Year	286.70	118.92	124.76	124.81	0.000339	2.13	242.56	66.75	0.16	
West Policy Brk	2	511.8787	050 Year	356.00	118.92	125.99	126.03	0.000237	2.03	329.22	75.10	0.14	
West Policy Brk	2	511.8787	100 Year	497.80	118.92	127.48	127.52	0.000217	2.22	460.54	149.71	0.13	
West Policy Brk	2	225.1332	010 Year	176.70	118.66	122.84	120.76	0.000449	1.94	172.33	67.04	0.17	
West Policy Brk	2	225.1332	025 Year	286.70	118.66	124.70	121.18	0.000240	1.83	307.38	78.21	0.13	
West Policy Brk	2	225.1332	050 Year	356.00	118.66	125.94	121.38	0.000170	1.75	410.08	86.79	0.12	
West Policy Brk	2	225.1332	100 Year	497.80	118.66	127.43	121.74	0.000176	2.02	565.12	123.48	0.12	
Unnamed Brook	1	1803.202	010 Year	53.50	125.80	127.94	127.94	0.000013	0.22	374.18	260.22	0.03	
Unnamed Brook	1	1803.202	025 Year	111.10	125.80	128.10	128.10	0.000041	0.41	417.56	265.41	0.05	
Unnamed Brook	1	1803.202	050 Year	166.90	125.80	128.36	128.36	0.000057	0.53	487.07	274.28	0.06	
Unnamed Brook	1	1803.202	100 Year	231.80	125.80	128.53	128.53	0.000086	0.68	534.69	294.23	0.08	
Unnamed Brook	1	1022.286	010 Year	53.50	124.57	127.93	127.93	0.000002	0.12	1222.46	526.56	0.01	
Unnamed Brook	1	1022.286	025 Year	111.10	124.57	128.09	128.09	0.000006	0.24	1306.14	528.43	0.02	
Unnamed Brook	1	1022.286	050 Year	166.90	124.57	128.35	128.35	0.000010	0.32	1440.49	531.63	0.03	
Unnamed Brook	1	1022.286	100 Year	231.80	124.57	128.50	128.50	0.000016	0.42	1524.51	533.96	0.04	
Unnamed Brook	1	798.5392	010 Year	53.50	124.28	127.93	127.93	0.000010	0.31	431.27	160.23	0.03	
Unnamed Brook	1	798.5392	025 Year	111.10	124.28	128.09	128.09	0.000037	0.62	456.39	165.07	0.06	
Unnamed Brook	1	798.5392	050 Year	166.90	124.28	128.34	128.34	0.000067	0.87	498.57	173.24	0.08	
Unnamed Brook	1	798.5392	100 Year	231.80	124.28	128.49	128.50	0.000112	1.15	525.00	177.54	0.10	
Unnamed Brook	1	772.176	010 Year	53.50	123.39	127.93	124.35	0.000035	0.62	96.13	142.38	0.05	
Unnamed Brook	1	772.176	025 Year	111.10	123.39	128.07	124.86	0.000090	1.01	172.23	153.43	0.09	
Unnamed Brook	1	772.176	050 Year	166.90	123.39	128.31	125.25	0.000155	1.38	195.86	219.22	0.12	
Unnamed Brook	1	772.176	100 Year	231.80	123.39	128.45	125.63	0.000260	1.82	210.32	256.27	0.15	
Unnamed Brook	1	739.2546	Culvert										
Unnamed Brook	1	53.0134	010 Year	53.50	121.39	124.20	122.36	0.000418	1.34	40.19	36.44	0.16	
Unnamed Brook	1	53.0134	025 Year	111.10	121.39	124.90	122.91	0.000495	1.77	96.28	320.05	0.19	
Unnamed Brook	1	53.0134	050 Year	166.90	121.39	126.14	123.32	0.000186	1.39	204.56	660.12	0.12	
Unnamed Brook	1	53.0134	100 Year	231.80	121.39	127.45	123.72	0.000101	1.24	319.10	996.39	0.09	
Unnamed Brook	1	34.11355	010 Year	53.50	121.37	123.98	123.37	0.004867	3.35	15.99	216.89	0.52	
Unnamed Brook	1	34.11355	025 Year	111.10	121.37	124.89	124.05	0.000953	2.05	135.92	676.11	0.25	
Unnamed Brook	1	34.11355	050 Year	166.90	121.37	126.15	124.64	0.000017	0.37	1525.67	870.63	0.04	
Unnamed Brook	1	34.11355	100 Year	231.80	121.37	127.46	124.78	0.000006	0.27	2728.29	983.41	0.02	
Unnamed Brook	1	18.98231	010 Year	53.50	121.35	123.36	123.36	0.020145	5.71	9.37	9.32	1.00	
Unnamed Brook	1	18.98231	025 Year	111.10	121.35	124.89	124.14	0.000156	0.84	544.57	695.59	0.10	
Unnamed Brook	1	18.98231	050 Year	166.90	121.35	126.15	124.25	0.000017	0.37	1528.91	855.01	0.04	
Unnamed Brook	1	18.98231	100 Year	231.80	121.35	127.46	124.34	0.000006	0.27	2734.04	966.48	0.02	
Policy Brook	2	12721.80	010 Year	124.30	122.70	123.58		0.000805	0.96	162.82	303.33	0.20	
Policy Brook	2	12721.80	025 Year	246.60	122.70	124.89	124.89	0.000053	0.49	715.52	526.20	0.06	
Policy Brook	2	12721.80	050 Year	361.30	122.70	126.15	126.15	0.000016	0.37	1579.02	804.67	0.04	
Policy Brook	2	12721.80	100 Year	491.90	122.70	127.46	127.46	0.000005	0.27	2651.87	838.04	0.02	
Policy Brook	2	11863.97	010 Year	124.30	121.02	123.02	123.03	0.000568	1.35	235.87	200.47	0.19	
Policy Brook	2	11863.97	025 Year	246.60	121.02	124.82	124.83	0.000113	1.01	654.54	256.38	0.10	
Policy Brook	2	11863.97	050 Year	361.30	121.02	126.12	126.12	0.000069	0.98	1015.18	293.99	0.08	
Policy Brook	2	11863.97	100 Year	491.90	121.02	127.44	127.45	0.000049	0.98	1570.37	489.79	0.07	
Policy Brook	2	10817.71	010 Year	59.50	119.04	122.89	120.50	0.000030	0.39	186.74	158.99	0.05	
Policy Brook	2	10817.71	025 Year	85.90	119.04	124.80	120.80	0.000003	0.18	736.63	1283.64	0.02	
Policy Brook	2	10817.71	050 Year	110.60	119.04	126.12	120.94	0.000000	0.08	2405.50	2383.51	0.01	
Policy Brook	2	10817.71	100 Year	210.30	119.04	127.44	121.40	0.000000	0.05	7265.38	3037.77	0.00	
Policy Brook	2	10681.47	010 Year	59.50	118.78	122.88	120.68	0.000050	0.47	127.93	65.64	0.06	
Policy Brook	2	10681.47	025 Year	85.90	118.78	124.80	120.92	0.000008	0.28	365.58	231.58	0.03	
Policy Brook	2	10681.47	050 Year	110.60	118.78	126.12	121.03	0.000003	0.20	753.99	664.86	0.02	
Policy Brook	2	10681.47	100 Year	210.30	118.78	127.44	121.37	0.000002	0.22	1891.65	1231.46	0.02	
Policy Brook	2	10675.46	010 Year	59.50	118.77	122.87	119.78	0.000087	0.88	76.46	62.99	0.08	
Policy Brook	2	10675.46	025 Year	85.90	118.77	124.79	120.05	0.000038	0.76	124.48	209.02	0.06	
Policy Brook	2	10675.46	050 Year	110.60	118.77	126.12	120.28	0.000006	0.34	726.21	633.38	0.02	

Policy Brook	2	10675.46	100 Year	210.30	118.77	127.44	Scenario B.rep 121.19 127.44		0.000003	0.29	1839.59	1225.34	0.02
Policy Brook	2	10610.76		Culvert									
Policy Brook	2	10573.16	010 Year	59.50	118.17	122.85	119.20	122.87	0.000309	1.26	47.25	12.54	0.11
Policy Brook	2	10573.16	025 Year	85.90	118.17	124.74	119.49	124.75	0.000149	0.91	106.15	119.20	0.09
Policy Brook	2	10573.16	050 Year	110.60	118.17	126.02	119.73	126.02	0.000012	0.32	725.19	776.03	0.03
Policy Brook	2	10573.16	100 Year	210.30	118.17	127.44	120.57	127.44	0.000003	0.20	2022.22	1051.93	0.01
Policy Brook	2	10566.67	010 Year	59.50	118.48	122.84	120.73	122.87	0.000621	1.40	42.45	26.07	0.19
Policy Brook	2	10566.67	025 Year	85.90	118.48	124.74	121.09	124.75	0.000071	0.75	167.37	223.39	0.07
Policy Brook	2	10566.67	050 Year	110.60	118.48	126.02	121.36	126.02	0.000009	0.33	699.42	587.86	0.03
Policy Brook	2	10566.67	100 Year	210.30	118.48	127.44	122.32	127.44	0.000003	0.25	1719.92	814.74	0.02
Policy Brook	2	10550.52	010 Year	59.50	119.23	122.84	120.19	122.86	0.000194	1.19	56.44	31.56	0.11
Policy Brook	2	10550.52	025 Year	85.90	119.23	124.74	120.45	124.75	0.000065	0.93	105.76	201.83	0.07
Policy Brook	2	10550.52	050 Year	110.60	119.23	126.02	120.67	126.02	0.000011	0.43	534.88	315.37	0.03
Policy Brook	2	10550.52	100 Year	210.30	119.23	127.44	121.42	127.44	0.000006	0.36	1412.35	788.32	0.02
Policy Brook	2	10522.39		Culvert									
Policy Brook	2	10494.58	010 Year	59.50	118.38	122.80	119.47	122.81	0.000033	0.59	134.26	84.36	0.05
Policy Brook	2	10494.58	025 Year	85.90	118.38	124.69	119.74	124.69	0.000011	0.44	254.08	174.48	0.03
Policy Brook	2	10494.58	050 Year	110.60	118.38	125.94	119.96	125.94	0.000004	0.30	692.70	318.76	0.02
Policy Brook	2	10494.58	100 Year	210.30	118.38	127.44	120.78	127.44	0.000004	0.36	1521.77	800.19	0.02
Policy Brook	3	10414.99	010 Year	235.80	118.31	122.77	120.87	122.80	0.000252	1.64	206.43	87.94	0.14
Policy Brook	3	10414.99	025 Year	373.70	118.31	124.67	121.27	124.69	0.000103	1.36	388.34	145.68	0.10
Policy Brook	3	10414.99	050 Year	465.20	118.31	125.93	121.44	125.94	0.000071	1.28	658.66	249.93	0.08
Policy Brook	3	10414.99	100 Year	698.90	118.31	127.43	121.80	127.44	0.000053	1.25	1254.57	494.31	0.07
Policy Brook	3	10325.83	010 Year	235.80	118.24	122.71	120.86	122.76	0.000450	2.17	162.77	66.33	0.19
Policy Brook	3	10325.83	025 Year	373.70	118.24	124.64	121.30	124.67	0.000204	1.90	301.56	79.17	0.14
Policy Brook	3	10325.83	050 Year	465.20	118.24	125.90	121.52	125.93	0.000151	1.86	420.01	203.49	0.12
Policy Brook	3	10325.83	100 Year	698.90	118.24	127.40	122.00	127.43	0.000139	2.03	989.33	540.21	0.12
Policy Brook	3	10291.22	010 Year	235.80	118.21	122.70	120.83	122.75	0.000450	2.18	162.54	67.00	0.19
Policy Brook	3	10291.22	025 Year	373.70	118.21	124.63	121.31	124.67	0.000199	1.89	303.49	78.80	0.14
Policy Brook	3	10291.22	050 Year	465.20	118.21	125.89	121.53	125.92	0.000138	1.79	417.39	169.87	0.12
Policy Brook	3	10291.22	100 Year	698.90	118.21	127.39	122.00	127.42	0.000144	2.07	1003.52	576.81	0.12
Policy Brook	3	10030.86	010 Year	235.80	118.00	122.57		122.63	0.000469	2.26	156.72	65.62	0.20
Policy Brook	3	10030.86	025 Year	373.70	118.00	124.58		124.61	0.000197	1.91	300.49	77.69	0.14
Policy Brook	3	10030.86	050 Year	465.20	118.00	125.86		125.89	0.000143	1.85	409.47	110.20	0.12
Policy Brook	3	10030.86	100 Year	698.90	118.00	127.35		127.38	0.000139	2.06	948.14	517.65	0.12
Policy Brook	3	9609.047	010 Year	235.80	117.66	122.43	120.09	122.47	0.000292	1.89	189.05	65.24	0.16
Policy Brook	3	9609.047	025 Year	373.70	117.66	124.52	120.49	124.54	0.000128	1.62	400.63	141.62	0.11
Policy Brook	3	9609.047	050 Year	465.20	117.66	125.82	120.70	125.84	0.000085	1.49	639.35	247.50	0.09
Policy Brook	3	9609.047	100 Year	698.90	117.66	127.32	121.19	127.34	0.000078	1.60	1223.60	532.26	0.09
Policy Brook	3	9506.646	010 Year	235.80	117.57	122.40	120.02	122.44	0.000279	1.81	186.25	65.62	0.15
Policy Brook	3	9506.646	025 Year	373.70	117.57	124.51	120.46	124.53	0.000132	1.63	375.62	139.95	0.11
Policy Brook	3	9506.646	050 Year	465.20	117.57	125.81	120.69	125.83	0.000086	1.49	613.88	247.52	0.09
Policy Brook	3	9506.646	100 Year	698.90	117.57	127.31	121.18	127.33	0.000070	1.52	1212.37	523.15	0.09
Policy Brook	3	9484.417	010 Year	235.80	117.57	122.34	120.14	122.39	0.000380	2.09	136.43	65.20	0.18
Policy Brook	3	9484.417	025 Year	373.70	117.57	124.46	120.58	124.50	0.000189	1.93	225.55	129.93	0.13
Policy Brook	3	9484.417	050 Year	465.20	117.57	125.76	120.83	125.80	0.000144	1.90	280.25	246.62	0.12
Policy Brook	3	9484.417	100 Year	698.90	117.57	127.23	121.34	127.30	0.000168	2.32	342.08	540.03	0.13
Policy Brook	3	9434.022		Culvert									
Policy Brook	3	9362.233	010 Year	245.20	117.45	122.29	120.04	122.34	0.000390	2.15	163.99	58.80	0.18
Policy Brook	3	9362.233	025 Year	381.40	117.45	124.34	120.50	124.38	0.000184	1.91	286.86	71.90	0.13
Policy Brook	3	9362.233	050 Year	475.80	117.45	125.55	120.75	125.59	0.000138	1.85	362.01	151.48	0.12
Policy Brook	3	9362.233	100 Year	715.70	117.45	126.73	121.29	126.78	0.000174	2.29	434.93	519.81	0.14
Policy Brook	3	9142.391	010 Year	245.20	117.27	122.22	119.93	122.26	0.000321	1.98	184.74	65.97	0.17
Policy Brook	3	9142.391	025 Year	381.40	117.27	124.31	120.38	124.34	0.000149	1.74	335.68	88.55	0.12
Policy Brook	3	9142.391	050 Year	475.80	117.27	125.52	120.62	125.55	0.000143	1.91	491.26	167.67	0.12
Policy Brook	3	9142.391	100 Year	715.70	117.27	126.70	121.12	126.73	0.000148	2.14	828.50	395.03	0.13
Policy Brook	3	8718.068	010 Year	245.20	116.93	122.09	119.52	122.13	0.000279	1.90	194.01	68.30	0.16
Policy Brook	3	8718.068	025 Year	381.40	116.93	124.25	120.17	124.28	0.000127	1.66	355.38	358.49	0.11
Policy Brook	3	8718.068	050 Year	475.80	116.93	125.48	120.42	125.50	0.000097	1.62	520.75	472.78	0.10
Policy Brook	3	8718.068	100 Year	715.70	116.93	126.70	120.92	126.70	0.000025	0.91	1887.31	584.35	0.05
Policy Brook	3	8431.533	010 Year	245.20	116.69	122.10	119.16	122.10	0.000033	0.70	658.56	273.54	0.05

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Policy Brook	3	8431.533	025 Year	381.40	116.69	124.26	119.69	124.26	0.000014	0.58	1191.84	945.13	0.04
Policy Brook	3	8431.533	050 Year	475.80	116.69	125.49	119.85	125.49	0.000011	0.56	1535.87	1697.19	0.03
Policy Brook	3	8431.533	100 Year	715.70	116.69	126.70	120.14	126.70	0.000004	0.39	5553.59	2030.91	0.02
Policy Brook	3	8255.488	010 Year	245.20	116.55	122.09	118.92	122.09	0.000016	0.49	950.03	322.28	0.04
Policy Brook	3	8255.488	025 Year	381.40	116.55	124.26	119.25	124.26	0.000007	0.41	1682.63	1182.81	0.03
Policy Brook	3	8255.488	050 Year	475.80	116.55	125.49	119.37	125.49	0.000005	0.40	2145.15	1710.51	0.02
Policy Brook	3	8255.488	100 Year	715.70	116.55	126.70	119.54	126.70	0.000003	0.31	6214.55	2046.43	0.02
Policy Brook	3	8225.217	010 Year	245.20	116.52	122.09	118.86	122.09	0.000055	0.89	621.34	364.55	0.07
Policy Brook	3	8225.217	025 Year	381.40	116.52	124.26	119.63	124.26	0.000012	0.53	1774.74	1079.52	0.04
Policy Brook	3	8225.217	050 Year	475.80	116.52	125.49	119.96	125.49	0.000005	0.37	3447.36	1487.60	0.02
Policy Brook	3	8225.217	100 Year	715.70	116.52	126.70	120.79	126.70	0.000004	0.36	5548.83	2018.30	0.02
Policy Brook	3	8197.515	010 Year	245.20	116.50	122.01	118.65	122.07	0.000330	2.10	127.09	199.53	0.17
Policy Brook	3	8197.515	025 Year	381.40	116.50	124.17	119.44	124.24	0.000211	2.14	191.98	921.03	0.14
Policy Brook	3	8197.515	050 Year	475.80	116.50	125.39	119.81	125.46	0.000185	2.23	228.61	1293.95	0.14
Policy Brook	3	8197.515	100 Year	715.70	116.50	126.70	120.50	126.70	0.000004	0.36	4685.68	1683.06	0.02
Policy Brook	3	8152.274	Culvert										
Policy Brook	3	8074.433	010 Year	245.20	117.94	121.74	119.54	121.78	0.000459	1.89	232.86	427.80	0.19
Policy Brook	3	8074.433	025 Year	381.40	117.94	123.56	120.23	123.59	0.000173	1.57	458.91	1122.51	0.12
Policy Brook	3	8074.433	050 Year	475.80	117.94	124.41	120.64	124.44	0.000145	1.60	564.27	1795.57	0.12
Policy Brook	3	8074.433	100 Year	715.70	117.94	124.67	121.14	124.72	0.000278	2.29	596.54	1940.08	0.16
Policy Brook	3	7488.432	010 Year	250.60	116.30	121.40		121.45	0.000729	1.86	261.34	299.12	0.22
Policy Brook	3	7488.432	025 Year	387.20	116.30	123.51		123.52	0.000062	0.86	1250.14	639.65	0.07
Policy Brook	3	7488.432	050 Year	481.50	116.30	124.38		124.39	0.000036	0.74	1841.72	727.52	0.06
Policy Brook	3	7488.432	100 Year	721.60	116.30	124.63		124.63	0.000064	1.02	2024.59	783.74	0.08
Policy Brook	3	6591.132	010 Year	250.60	115.13	121.28	117.80	121.28	0.000006	0.27	2577.03	782.41	0.02
Policy Brook	3	6591.132	025 Year	387.20	115.13	123.46	117.93	123.46	0.000003	0.24	4325.23	830.41	0.02
Policy Brook	3	6591.132	050 Year	481.50	115.13	124.34	118.01	124.34	0.000003	0.26	5068.44	979.21	0.02
Policy Brook	3	6591.132	100 Year	721.60	115.13	124.53	118.17	124.53	0.000006	0.38	5235.54	1059.00	0.02
Policy Brook	3	5852.264	010 Year	727.90	114.17	121.27	117.81	121.27	0.000013	0.46	3621.45	1071.90	0.03
Policy Brook	3	5852.264	025 Year	1094.90	114.17	123.46	117.93	123.46	0.000006	0.40	6085.61	1188.41	0.03
Policy Brook	3	5852.264	050 Year	1611.90	114.17	124.33	118.08	124.33	0.000009	0.52	7170.35	1465.31	0.03
Policy Brook	3	5852.264	100 Year	2160.80	114.17	124.52	118.22	124.52	0.000015	0.67	7419.01	1497.95	0.04
Policy Brook	3	5426.726	010 Year	727.90	113.62	121.26	116.58	121.26	0.000050	1.05	1452.33	594.41	0.07
Policy Brook	3	5426.726	025 Year	1094.90	113.62	123.45	117.04	123.45	0.000018	0.77	2929.81	798.79	0.05
Policy Brook	3	5426.726	050 Year	1611.90	113.62	124.32	117.60	124.32	0.000023	0.91	3634.10	887.68	0.05
Policy Brook	3	5426.726	100 Year	2160.80	113.62	124.50	117.98	124.51	0.000037	1.17	3789.86	907.97	0.07
Policy Brook	3	4930.878	010 Year	727.90	112.98	121.13	116.53	121.21	0.000251	2.28	351.85	74.93	0.16
Policy Brook	3	4930.878	025 Year	1094.90	112.98	123.36	117.27	123.43	0.000158	2.21	810.48	524.81	0.13
Policy Brook	3	4930.878	050 Year	1611.90	112.98	124.22	118.05	124.29	0.000187	2.56	1179.89	747.02	0.15
Policy Brook	3	4930.878	100 Year	2160.80	112.98	124.34	118.79	124.46	0.000309	3.32	1345.57	776.26	0.19
Policy Brook	3	4870.725	010 Year	727.90	112.90	120.94	116.76	121.15	0.000601	4.03	223.90	166.24	0.25
Policy Brook	3	4870.725	025 Year	1094.90	112.90	123.35	117.85	123.41	0.000198	2.77	947.19	443.75	0.15
Policy Brook	3	4870.725	050 Year	1611.90	112.90	124.21	119.08	124.28	0.000240	3.22	1244.08	608.41	0.17
Policy Brook	3	4870.725	100 Year	2160.80	112.90	124.32	120.04	124.44	0.000401	4.19	1286.84	649.20	0.22
Policy Brook	3	4840.379	Culvert										
Policy Brook	3	4810.343	010 Year	727.90	111.72	116.99	116.55	118.27	0.007804	9.56	88.74	28.03	0.74
Policy Brook	3	4810.343	025 Year	1094.90	111.72	117.63	117.63	119.72	0.011104	12.33	104.21	31.07	0.90
Policy Brook	3	4810.343	050 Year	1611.90	111.72	118.89	118.89	121.55	0.011209	14.11	134.40	37.01	0.94
Policy Brook	3	4810.343	100 Year	2160.80	111.72	120.05	120.05	123.27	0.011242	15.64	162.25	42.87	0.96
Policy Brook	3	4749.749	010 Year	727.90	111.63	117.50	114.91	117.59	0.000572	2.83	379.69	153.48	0.23
Policy Brook	3	4749.749	025 Year	1094.90	111.63	118.48	115.85	118.59	0.000532	3.09	550.30	187.31	0.23
Policy Brook	3	4749.749	050 Year	1611.90	111.63	119.33	116.66	119.47	0.000601	3.61	720.39	215.01	0.25
Policy Brook	3	4749.749	100 Year	2160.80	111.63	120.02	117.16	120.18	0.000675	4.08	874.57	235.96	0.27
Policy Brook	3	3785.535	010 Year	727.90	110.12	117.29	114.54	117.31	0.000141	1.36	821.32	239.62	0.11
Policy Brook	3	3785.535	025 Year	1094.90	110.12	118.29	114.84	118.30	0.000144	1.56	1067.45	261.21	0.12
Policy Brook	3	3785.535	050 Year	1611.90	110.12	119.10	115.13	119.13	0.000178	1.90	1357.03	469.87	0.13
Policy Brook	3	3785.535	100 Year	2160.80	110.12	119.76	115.40	119.79	0.000201	2.15	1699.44	532.78	0.14
Policy Brook	3	3561.745	010 Year	727.90	109.77	117.27		117.28	0.000096	1.12	1000.24	277.71	0.09
Policy Brook	3	3561.745	025 Year	1094.90	109.77	118.26		118.28	0.000102	1.31	1283.52	294.86	0.10
Policy Brook	3	3561.745	050 Year	1611.90	109.77	119.07		119.09	0.000133	1.63	1535.32	341.23	0.11
Policy Brook	3	3561.745	100 Year	2160.80	109.77	119.72		119.75	0.000166	1.94	1771.21	380.91	0.13
Policy Brook	3	3496.305	010 Year	727.90	109.67	117.26		117.27	0.000080	1.09	989.15	277.06	0.09

							Scenario B.rep						
Policy Brook	3	3496.305	025 Year	1094.90	109.67	118.25		118.27	0.000086	1.28	1270.93	292.76	0.09
Policy Brook	3	3496.305	050 Year	1611.90	109.67	119.06		119.08	0.000115	1.60	1514.20	318.63	0.11
Policy Brook	3	3496.305	100 Year	2160.80	109.67	119.71		119.74	0.000145	1.92	1739.27	371.63	0.12
Policy Brook	3	3451.305	010 Year	730.80	109.60	117.05	113.30	117.22	0.000597	3.51	240.03	225.92	0.24
Policy Brook	3	3451.305	025 Year	1100.80	109.60	118.21	114.14	118.25	0.000230	2.42	927.50	329.26	0.15
Policy Brook	3	3451.305	050 Year	1617.40	109.60	119.01	115.19	119.06	0.000271	2.81	1208.57	371.57	0.17
Policy Brook	3	3451.305	100 Year	2170.60	109.60	119.65	116.03	119.72	0.000306	3.13	1456.27	394.99	0.18
Policy Brook	3	3420.783		Culvert									
Policy Brook	3	3390.376	010 Year	730.80	109.74	115.83	113.52	116.36	0.002265	5.81	125.73	33.71	0.44
Policy Brook	3	3390.376	025 Year	1100.80	109.74	116.51	114.50	117.45	0.003479	7.79	141.34	39.65	0.55
Policy Brook	3	3390.376	050 Year	1617.40	109.74	116.76	115.73	118.64	0.006589	11.00	147.00	42.10	0.77
Policy Brook	3	3390.376	100 Year	2170.60	109.74	118.22	118.22	119.53	0.004420	9.80	340.88	187.41	0.63
Policy Brook	3	3330.329	010 Year	730.80	109.71	116.04	114.28	116.08	0.000403	1.96	565.25	253.64	0.18
Policy Brook	3	3330.329	025 Year	1100.80	109.71	116.92	114.73	116.97	0.000337	2.08	793.20	260.76	0.17
Policy Brook	3	3330.329	050 Year	1617.40	109.71	117.62	115.11	117.68	0.000389	2.46	976.99	266.78	0.19
Policy Brook	3	3330.329	100 Year	2170.60	109.71	118.30	115.39	118.37	0.000418	2.77	1159.62	272.77	0.20
Policy Brook	3	2176.204	010 Year	730.80	109.02	115.89	111.75	115.90	0.000067	1.08	1588.22	580.71	0.08
Policy Brook	3	2176.204	025 Year	1100.80	109.02	116.79	112.14	116.80	0.000069	1.22	2379.62	679.51	0.08
Policy Brook	3	2176.204	050 Year	1617.40	109.02	117.45	112.57	117.46	0.000092	1.49	2839.08	710.03	0.10
Policy Brook	3	2176.204	100 Year	2170.60	109.02	118.10	112.88	118.12	0.000107	1.72	3311.99	734.22	0.11
Policy Brook	3	1257.926	010 Year	730.80	108.48	115.78	112.03	115.81	0.000168	1.81	1018.78	647.74	0.13
Policy Brook	3	1257.926	025 Year	1100.80	108.48	116.65	112.82	116.69	0.000202	2.17	1301.11	767.06	0.15
Policy Brook	3	1257.926	050 Year	1617.40	108.48	117.34	113.49	117.36	0.000130	1.86	2909.47	812.91	0.12
Policy Brook	3	1257.926	100 Year	2170.60	108.48	117.98	113.73	118.00	0.000152	2.12	3384.97	828.61	0.13
Policy Brook	3	177.2269	010 Year	730.80	108.45	115.37	111.85	115.49	0.000601	2.80	322.56	257.31	0.23
Policy Brook	3	177.2269	025 Year	1100.80	108.45	116.21	112.64	116.33	0.000600	3.13	562.59	425.52	0.24
Policy Brook	3	177.2269	050 Year	1617.40	108.45	116.96	113.56	117.09	0.000600	3.41	825.17	598.80	0.24
Policy Brook	3	177.2269	100 Year	2170.60	108.45	117.57	114.80	117.70	0.000601	3.63	1281.59	758.58	0.25
Policy Backwater	1	796.3802	010 Year	1.00	124.80	125.28	124.89	125.28	0.000132	0.27	3.69	8.73	0.07
Policy Backwater	1	796.3802	025 Year	1.00	124.80	125.27	124.89	125.27	0.000145	0.28	3.58	8.68	0.08
Policy Backwater	1	796.3802	050 Year	1.00	124.80	126.15	124.89	126.15	0.000003	0.08	13.00	12.69	0.01
Policy Backwater	1	796.3802	100 Year	1.00	124.80	127.46	124.89	127.46	0.000000	0.03	33.45	19.15	0.00
Policy Backwater	1	759.9449	010 Year	1.00	124.73	125.10	124.83	125.10	0.000601	0.49	2.06	6.25	0.15
Policy Backwater	1	759.9449	025 Year	1.00	124.73	124.99	124.83	125.00	0.001911	0.71	1.42	5.89	0.25
Policy Backwater	1	759.9449	050 Year	1.00	124.73	126.15	124.83	126.15	0.000005	0.09	10.53	9.84	0.02
Policy Backwater	1	759.9449	100 Year	1.00	124.73	127.46	124.83	127.46	0.000000	0.04	27.25	17.23	0.00
Policy Backwater	1	406.3698	010 Year	1.00	124.06	124.34	124.34	124.41	0.033946	2.10	0.48	3.36	0.99
Policy Backwater	1	406.3698	025 Year	1.00	124.06	124.89	124.34	124.90	0.000106	0.24	4.13	9.90	0.07
Policy Backwater	1	406.3698	050 Year	1.00	124.06	126.15	124.34	126.15	0.000000	0.03	43.88	90.89	0.01
Policy Backwater	1	406.3698	100 Year	1.00	124.06	127.46	124.34	127.46	0.000000	0.01	251.03	226.58	0.00

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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PROJECT DATA
Project Title: Scenario C
Project File : PolicyBrook_Propose.prj
Run Date and Time: 8/8/2017 8:28:24 AM

Project in English units

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	w.S. Elev (ft)	Crit w.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top width (ft)	Froude # Ch1
West Policy Brk	2	5119.913	010 Year	151.30	128.40	134.00	130.64	134.05	0.000799	1.77	85.43	44.48	0.17
West Policy Brk	2	5119.913	025 Year	268.10	128.40	135.35	131.54	135.39	0.000703	1.56	172.14	58.52	0.16
West Policy Brk	2	5119.913	050 Year	373.80	128.40	135.79	132.45	135.85	0.000941	1.88	198.77	63.60	0.19
West Policy Brk	2	5119.913	100 Year	492.20	128.40	136.18	132.87	136.25	0.001171	2.20	224.40	71.55	0.21
West Policy Brk	2	5043.913	Culvert										
West Policy Brk	2	5009.594	010 Year	151.30	128.00	130.70	130.70	131.58	0.036166	7.54	20.07	107.34	1.00
West Policy Brk	2	5009.594	025 Year	268.10	128.00	131.66	131.66	132.14	0.038854	5.55	48.26	450.18	1.00
West Policy Brk	2	5009.594	050 Year	373.80	128.00	131.90	131.90	132.49	0.036439	6.16	60.68	544.98	1.00
West Policy Brk	2	5009.594	100 Year	492.20	128.00	132.14	132.14	132.84	0.034275	6.75	72.90	593.65	1.00
West Policy Brk	2	4854.862	010 Year	151.30	128.00	130.64		130.64	0.001373	0.83	296.75	403.89	0.18
West Policy Brk	2	4854.862	025 Year	268.10	128.00	131.05		131.05	0.001112	0.87	502.35	559.65	0.17
West Policy Brk	2	4854.862	050 Year	373.80	128.00	131.28		131.29	0.001080	1.02	639.09	607.72	0.17
West Policy Brk	2	4854.862	100 Year	492.20	128.00	131.56		131.57	0.000992	1.13	813.81	646.91	0.17
West Policy Brk	2	4595.263	010 Year	151.30	128.36	130.58	129.52	130.58	0.000085	0.41	951.27	978.59	0.05
West Policy Brk	2	4595.263	025 Year	268.10	128.36	130.98	129.63	130.98	0.000096	0.50	1346.08	1143.12	0.06
West Policy Brk	2	4595.263	050 Year	373.80	128.36	131.21	129.70	131.21	0.000118	0.59	1577.09	1264.95	0.07
West Policy Brk	2	4595.263	100 Year	492.20	128.36	131.49	129.77	131.49	0.000115	0.62	2060.28	1520.03	0.07
West Policy Brk	2	4335.653	010 Year	151.30	128.29	130.54	128.92	130.55	0.000212	0.59	261.10	1494.19	0.08
West Policy Brk	2	4335.653	025 Year	268.10	128.29	130.94	129.11	130.95	0.000315	0.84	344.36	2178.29	0.10
West Policy Brk	2	4335.653	050 Year	373.80	128.29	131.17	129.26	131.17	0.000236	0.78	831.28	2526.20	0.09
West Policy Brk	2	4335.653	100 Year	492.20	128.29	131.46	129.40	131.46	0.000121	0.61	1932.46	2654.58	0.07
West Policy Brk	2	3928.873	010 Year	151.30	127.46	130.43		130.44	0.000339	0.90	506.73	651.74	0.11
West Policy Brk	2	3928.873	025 Year	268.10	127.46	130.81		130.81	0.000352	1.02	773.36	790.40	0.11
West Policy Brk	2	3928.873	050 Year	373.80	127.46	131.05		131.05	0.000380	1.13	970.54	854.59	0.12
West Policy Brk	2	3928.873	100 Year	492.20	127.46	131.38		131.39	0.000311	1.10	1275.85	956.08	0.11
West Policy Brk	2	3522.092	010 Year	151.30	126.90	129.64	129.64	129.94	0.043158	4.39	34.50	681.33	0.99
West Policy Brk	2	3522.092	025 Year	268.10	126.90	129.97	129.97	130.30	0.038185	4.63	62.33	866.29	0.96
West Policy Brk	2	3522.092	050 Year	373.80	126.90	130.25	130.20	130.52	0.029065	4.27	100.65	993.95	0.85
West Policy Brk	2	3522.092	100 Year	492.20	126.90	131.31	130.33	131.31	0.000123	0.48	1937.74	1182.54	0.06
West Policy Brk	2	3086.213	010 Year	151.30	126.04	128.59		128.59	0.000195	0.65	426.69	393.52	0.08
West Policy Brk	2	3086.213	025 Year	268.10	126.04	129.65		129.65	0.000083	0.56	951.39	552.71	0.06
West Policy Brk	2	3086.213	050 Year	373.80	126.04	130.34		130.34	0.000061	0.56	1338.50	576.59	0.05
West Policy Brk	2	3086.213	100 Year	492.20	126.04	131.28		131.28	0.000038	0.51	1939.93	731.49	0.04
West Policy Brk	2	2650.328	010 Year	151.30	125.73	128.35	127.17	128.39	0.002418	1.48	101.92	99.16	0.26
West Policy Brk	2	2650.328	025 Year	268.10	125.73	129.56	127.59	129.58	0.000491	1.06	305.75	450.16	0.13
West Policy Brk	2	2650.328	050 Year	373.80	125.73	130.28	127.93	130.29	0.000299	1.01	492.94	683.69	0.11
West Policy Brk	2	2650.328	100 Year	492.20	125.73	131.24	128.21	131.25	0.000152	0.88	790.51	875.63	0.08
West Policy Brk	2	2624.007	010 Year	151.30	125.80	128.30	126.93	128.33	0.001756	1.36	111.42	97.57	0.22

														Scenario C.rep	
West Policy Brk	2	2624.007	025 Year	268.10	125.80	129.56	127.34	129.57	0.000355	0.93	378.28	378.85	0.11		
West Policy Brk	2	2624.007	050 Year	373.80	125.80	130.28	127.70	130.28	0.000156	0.75	776.02	704.06	0.08		
West Policy Brk	2	2624.007	100 Year	492.20	125.80	131.25	127.92	131.25	0.000043	0.47	1631.62	999.81	0.04		
West Policy Brk	2	2583.834	010 Year	170.10	124.66	127.73	126.62	128.09	0.009624	4.77	35.65	12.69	0.50		
West Policy Brk	2	2583.834	025 Year	278.60	124.66	129.08	127.37	129.42	0.011788	4.73	58.86	146.62	0.57		
West Policy Brk	2	2583.834	050 Year	348.00	124.66	129.92	127.78	130.19	0.006042	4.11	84.69	365.57	0.43		
West Policy Brk	2	2583.834	100 Year	489.10	124.66	131.24	129.15	131.25	0.000116	0.66	1347.70	1036.64	0.06		
West Policy Brk	2	2546.321		Culvert											
West Policy Brk	2	1945.455	010 Year	176.70	123.80	125.37	125.37	125.98	0.022918	6.24	28.30	23.70	1.01		
West Policy Brk	2	1945.455	025 Year	286.70	123.80	125.86	125.86	126.63	0.021155	7.03	40.76	26.76	1.00		
West Policy Brk	2	1945.455	050 Year	356.00	123.80	126.11	126.11	126.98	0.020267	7.49	47.62	28.21	1.00		
West Policy Brk	2	1945.455	100 Year	497.80	123.80	128.04		128.39	0.003121	4.81	112.41	39.07	0.44		
West Policy Brk	2	1887.409	010 Year	176.70	120.14	125.05		125.08	0.000226	1.28	143.08	48.31	0.12		
West Policy Brk	2	1887.409	025 Year	286.70	120.14	125.56		125.61	0.000375	1.80	168.80	52.37	0.16		
West Policy Brk	2	1887.409	050 Year	356.00	120.14	126.43		126.48	0.000294	1.82	217.29	59.25	0.14		
West Policy Brk	2	1887.409	100 Year	497.80	120.14	128.16		128.21	0.000196	1.81	331.20	72.38	0.12		
West Policy Brk	2	1818.591	010 Year	176.70	120.00	125.05		125.06	0.000093	0.82	215.77	61.11	0.08		
West Policy Brk	2	1818.591	025 Year	286.70	120.00	125.57		125.59	0.000165	1.16	248.16	64.97	0.10		
West Policy Brk	2	1818.591	050 Year	356.00	120.00	126.44		126.46	0.000130	1.17	307.76	71.74	0.10		
West Policy Brk	2	1818.591	100 Year	497.80	120.00	128.17		128.19	0.000087	1.18	444.75	87.23	0.08		
West Policy Brk	2	1634.729	010 Year	176.70	114.00	125.06		125.06	0.000001	0.13	1539.26	257.52	0.01		
West Policy Brk	2	1634.729	025 Year	286.70	114.00	125.58		125.58	0.000002	0.20	1675.82	267.94	0.01		
West Policy Brk	2	1634.729	050 Year	356.00	114.00	126.45		126.45	0.000002	0.22	1923.11	294.22	0.01		
West Policy Brk	2	1634.729	100 Year	497.80	114.00	128.18		128.19	0.000002	0.25	2444.02	306.73	0.01		
West Policy Brk	2	1534.261	010 Year	176.70	114.00	125.06		125.06	0.000002	0.17	1105.05	195.70	0.01		
West Policy Brk	2	1534.261	025 Year	286.70	114.00	125.58		125.58	0.000004	0.26	1209.64	207.03	0.02		
West Policy Brk	2	1534.261	050 Year	356.00	114.00	126.45		126.45	0.000004	0.28	1402.90	231.67	0.02		
West Policy Brk	2	1534.261	100 Year	497.80	114.00	128.18		128.19	0.000004	0.31	1815.11	243.91	0.02		
West Policy Brk	2	1490.863	010 Year	176.70	114.00	125.06		125.06	0.000004	0.22	868.70	171.37	0.02		
West Policy Brk	2	1490.863	025 Year	286.70	114.00	125.58		125.58	0.000007	0.33	959.84	179.45	0.02		
West Policy Brk	2	1490.863	050 Year	356.00	114.00	126.45		126.45	0.000007	0.35	1130.34	207.49	0.02		
West Policy Brk	2	1490.863	100 Year	497.80	114.00	128.18		128.19	0.000006	0.39	1500.59	219.70	0.02		
West Policy Brk	2	1415.031	010 Year	176.70	118.00	125.06		125.06	0.000017	0.39	526.24	143.53	0.03		
West Policy Brk	2	1415.031	025 Year	286.70	118.00	125.57		125.58	0.000031	0.55	603.23	154.57	0.05		
West Policy Brk	2	1415.031	050 Year	356.00	118.00	126.45		126.45	0.000027	0.56	750.89	179.25	0.04		
West Policy Brk	2	1415.031	100 Year	497.80	118.00	128.18		128.18	0.000018	0.57	1073.09	192.96	0.04		
West Policy Brk	2	1253.992	010 Year	176.70	120.00	125.04		125.05	0.000115	0.81	269.33	97.58	0.08		
West Policy Brk	2	1253.992	025 Year	286.70	120.00	125.55		125.57	0.000189	1.11	320.59	104.52	0.11		
West Policy Brk	2	1253.992	050 Year	356.00	120.00	126.43		126.44	0.000143	1.06	417.15	115.99	0.10		
West Policy Brk	2	1253.992	100 Year	497.80	120.00	128.17		128.18	0.000088	0.97	638.78	138.97	0.08		
West Policy Brk	2	1235.739	010 Year	176.70	120.00	125.02	121.87	125.05	0.000171	1.19	148.54	67.50	0.11		
West Policy Brk	2	1235.739	025 Year	286.70	120.00	125.51	122.30	125.55	0.000304	1.72	166.95	70.03	0.14		
West Policy Brk	2	1235.739	050 Year	356.00	120.00	126.38	122.50	126.43	0.000257	1.78	200.01	75.17	0.14		
West Policy Brk	2	1235.739	100 Year	497.80	120.00	128.11	122.86	128.16	0.000195	1.87	265.77	86.40	0.12		
West Policy Brk	2	1207.33		Culvert											
West Policy Brk	2	1104.084	010 Year	176.70	120.00	124.97	121.89	125.00	0.000313	1.51	120.48	38.77	0.14		
West Policy Brk	2	1104.084	025 Year	286.70	120.00	125.38	122.40	125.45	0.000573	2.20	136.96	41.25	0.19		
West Policy Brk	2	1104.084	050 Year	356.00	120.00	126.20	122.68	126.28	0.000468	2.24	172.90	46.21	0.18		
West Policy Brk	2	1104.084	100 Year	497.80	120.00	127.72	123.18	127.80	0.000351	2.33	250.10	55.36	0.16		
West Policy Brk	2	1076.659	010 Year	176.70	120.01	124.95		124.99	0.000334	1.70	119.31	40.15	0.15		
West Policy Brk	2	1076.659	025 Year	286.70	120.01	125.35		125.44	0.000633	2.49	135.62	42.54	0.21		
West Policy Brk	2	1076.659	050 Year	356.00	120.01	126.17		126.26	0.000530	2.55	172.75	47.54	0.20		
West Policy Brk	2	1076.659	100 Year	497.80	120.01	127.69		127.79	0.000407	2.64	252.23	56.77	0.18		
West Policy Brk	2	1047.767	010 Year	176.70	123.80	124.56	124.56	124.93	0.026388	4.86	36.35	50.01	1.01		
West Policy Brk	2	1047.767	025 Year	286.70	123.80	124.85	124.85	125.34	0.023944	5.65	50.76	51.76	1.01		
West Policy Brk	2	1047.767	050 Year	356.00	123.80	126.09		126.23	0.002397	2.99	120.02	59.41	0.36		
West Policy Brk	2	1047.767	100 Year	497.80	123.80	127.69		127.77	0.000707	2.36	222.63	69.44	0.22		
West Policy Brk	2	1025.149	010 Year	176.70	119.00	123.26		123.33	0.000781	2.18	114.02	53.44	0.21		
West Policy Brk	2	1025.149	025 Year	286.70	119.00	124.93		124.98	0.000410	2.09	215.21	68.81	0.17		
West Policy Brk	2	1025.149	050 Year	356.00	119.00	126.15		126.19	0.000262	1.94	306.72	81.39	0.14		
West Policy Brk	2	1025.149	100 Year	497.80	119.00	127.71		127.75	0.000202	1.98	445.90	96.14	0.13		
West Policy Brk	2	990.9073	010 Year	176.70	119.50	123.28		123.30	0.000352	1.65	208.57	78.20	0.15		

Scenario C.rep													
West Policy Brk	2	990.9073	025 Year	286.70	119.50	124.94	124.96	0.000213	1.64	346.21	87.40	0.12	
West Policy Brk	2	990.9073	050 Year	356.00	119.50	126.16	126.17	0.000149	1.57	456.66	94.00	0.11	
West Policy Brk	2	990.9073	100 Year	497.80	119.50	127.72	127.74	0.000128	1.68	610.14	102.62	0.10	
West Policy Brk	2	893.2678	010 Year	176.70	119.39	123.21	123.25	0.000558	2.07	147.30	62.86	0.19	
West Policy Brk	2	893.2678	025 Year	286.70	119.39	124.89	124.93	0.000312	1.99	262.37	73.29	0.15	
West Policy Brk	2	893.2678	050 Year	356.00	119.39	126.12	126.16	0.000209	1.87	357.02	80.65	0.13	
West Policy Brk	2	893.2678	100 Year	497.80	119.39	127.69	127.72	0.000174	1.97	490.88	90.46	0.12	
West Policy Brk	2	511.8787	010 Year	176.70	118.92	122.97	123.03	0.000608	2.22	133.28	55.10	0.20	
West Policy Brk	2	511.8787	025 Year	286.70	118.92	124.76	124.81	0.000340	2.14	242.34	66.73	0.16	
West Policy Brk	2	511.8787	050 Year	356.00	118.92	126.03	126.07	0.000231	2.01	332.57	75.41	0.13	
West Policy Brk	2	511.8787	100 Year	497.80	118.92	127.61	127.65	0.000204	2.17	480.82	161.10	0.13	
West Policy Brk	2	225.1332	010 Year	176.70	118.66	122.84	120.76	0.000448	1.93	172.50	67.06	0.17	
West Policy Brk	2	225.1332	025 Year	286.70	118.66	124.69	121.18	0.000241	1.83	307.11	78.19	0.13	
West Policy Brk	2	225.1332	050 Year	356.00	118.66	125.99	121.38	0.000166	1.73	414.04	87.43	0.11	
West Policy Brk	2	225.1332	100 Year	497.80	118.66	127.56	121.74	0.000163	1.96	581.74	123.79	0.12	
Unnamed Brook	1	1803.202	010 Year	53.50	125.80	127.95	127.95	0.000013	0.22	377.10	260.60	0.03	
Unnamed Brook	1	1803.202	025 Year	111.10	125.80	128.10	128.10	0.000041	0.41	417.31	265.39	0.05	
Unnamed Brook	1	1803.202	050 Year	166.90	125.80	128.34	128.34	0.000060	0.54	480.69	271.06	0.07	
Unnamed Brook	1	1803.202	100 Year	231.80	125.80	128.55	128.56	0.000083	0.67	542.71	295.54	0.08	
Unnamed Brook	1	1022.286	010 Year	53.50	124.57	127.95	127.95	0.000002	0.12	1228.38	526.69	0.01	
Unnamed Brook	1	1022.286	025 Year	111.10	124.57	128.09	128.09	0.000006	0.24	1305.63	528.42	0.02	
Unnamed Brook	1	1022.286	050 Year	166.90	124.57	128.32	128.32	0.000010	0.33	1427.80	531.28	0.03	
Unnamed Brook	1	1022.286	100 Year	231.80	124.57	128.53	128.53	0.000016	0.42	1539.44	534.37	0.04	
Unnamed Brook	1	798.5392	010 Year	53.50	124.28	127.94	127.94	0.000010	0.31	433.08	160.53	0.03	
Unnamed Brook	1	798.5392	025 Year	111.10	124.28	128.09	128.09	0.000037	0.62	456.22	165.03	0.06	
Unnamed Brook	1	798.5392	050 Year	166.90	124.28	128.31	128.32	0.000068	0.88	494.41	172.56	0.08	
Unnamed Brook	1	798.5392	100 Year	231.80	124.28	128.52	128.52	0.000109	1.15	530.05	178.38	0.10	
Unnamed Brook	1	772.176	010 Year	53.50	123.39	127.94	124.35	0.000035	0.62	96.44	143.39	0.05	
Unnamed Brook	1	772.176	025 Year	111.10	123.39	128.07	124.86	0.000091	1.01	172.13	153.38	0.09	
Unnamed Brook	1	772.176	050 Year	166.90	123.39	128.29	125.25	0.000160	1.39	193.30	214.88	0.12	
Unnamed Brook	1	772.176	100 Year	231.80	123.39	128.50	125.63	0.000171	1.49	304.58	277.68	0.12	
Unnamed Brook	1	739.2546	culvert										
Unnamed Brook	1	53.0134	010 Year	53.50	121.39	124.20	122.36	0.000418	1.34	40.19	36.42	0.16	
Unnamed Brook	1	53.0134	025 Year	111.10	121.39	124.83	122.91	0.000562	1.86	90.11	307.94	0.20	
Unnamed Brook	1	53.0134	050 Year	166.90	121.39	126.04	123.32	0.000209	1.45	195.94	645.02	0.13	
Unnamed Brook	1	53.0134	100 Year	231.80	121.39	127.58	123.72	0.000090	1.19	330.81	1012.82	0.09	
Unnamed Brook	1	34.11355	010 Year	53.50	121.37	123.98	123.37	0.004867	3.35	15.99	216.87	0.52	
Unnamed Brook	1	34.11355	025 Year	111.10	121.37	124.81	124.05	0.001281	2.32	119.97	666.68	0.29	
Unnamed Brook	1	34.11355	050 Year	166.90	121.37	126.05	124.64	0.000020	0.40	1441.36	859.07	0.04	
Unnamed Brook	1	34.11355	100 Year	231.80	121.37	127.59	124.78	0.000005	0.25	2860.05	995.10	0.02	
Unnamed Brook	1	18.98231	010 Year	53.50	121.35	123.36	123.36	0.020145	5.71	9.37	9.32	1.00	
Unnamed Brook	1	18.98231	025 Year	111.10	121.35	124.82	124.14	0.000202	0.94	493.16	671.05	0.11	
Unnamed Brook	1	18.98231	050 Year	166.90	121.35	126.05	124.25	0.000020	0.40	1445.81	845.97	0.04	
Unnamed Brook	1	18.98231	100 Year	231.80	121.35	127.59	124.34	0.000005	0.25	2863.47	974.63	0.02	
Policy Brook	2	12721.80	010 Year	124.30	122.70	123.59	123.60	0.000792	0.95	163.68	303.69	0.20	
Policy Brook	2	12721.80	025 Year	246.60	122.70	124.81	124.82	0.000063	0.52	676.44	503.99	0.07	
Policy Brook	2	12721.80	050 Year	361.30	122.70	126.05	126.05	0.000019	0.40	1500.23	802.60	0.04	
Policy Brook	2	12721.80	100 Year	491.90	122.70	127.59	127.59	0.000005	0.25	2763.92	841.18	0.02	
Policy Brook	2	11863.97	010 Year	124.30	121.02	122.99	123.00	0.000618	1.39	229.33	199.53	0.20	
Policy Brook	2	11863.97	025 Year	246.60	121.02	124.74	124.74	0.000124	1.04	632.78	254.31	0.10	
Policy Brook	2	11863.97	050 Year	361.30	121.02	126.02	126.02	0.000075	1.01	985.36	291.82	0.08	
Policy Brook	2	11863.97	100 Year	491.90	121.02	127.58	127.58	0.000044	0.94	1636.77	493.77	0.07	
Policy Brook	2	10817.71	010 Year	59.80	119.04	122.84	120.50	0.000033	0.40	179.68	153.75	0.05	
Policy Brook	2	10817.71	025 Year	86.60	119.04	124.72	120.80	0.000003	0.19	693.66	1207.83	0.02	
Policy Brook	2	10817.71	050 Year	116.20	119.04	126.01	120.97	0.000000	0.09	2288.26	2312.25	0.01	
Policy Brook	2	10817.71	100 Year	282.10	119.04	127.58	121.58	0.000000	0.07	7675.40	3050.10	0.00	
Policy Brook	2	10681.47	010 Year	59.80	118.78	122.84	120.69	0.000054	0.48	124.93	65.07	0.06	
Policy Brook	2	10681.47	025 Year	86.60	118.78	124.71	120.92	0.000009	0.30	346.99	223.78	0.03	
Policy Brook	2	10681.47	050 Year	116.20	118.78	126.01	121.05	0.000003	0.22	713.96	588.96	0.02	
Policy Brook	2	10681.47	100 Year	282.10	118.78	127.58	121.56	0.000004	0.28	2032.41	1242.91	0.02	
Policy Brook	2	10675.46	010 Year	59.80	118.77	122.83	119.42	0.000034	0.57	119.57	62.63	0.05	
Policy Brook	2	10675.46	025 Year	86.60	118.77	124.71	119.61	0.000016	0.50	194.64	202.76	0.04	
Policy Brook	2	10675.46	050 Year	116.20	118.77	126.01	119.79	0.000005	0.32	704.54	565.90	0.02	

Policy Brook	2	10675.46	100 Year	282.10	118.77	127.58	Scenario C.rep 120.60	127.58	0.000004	0.34	1996.84	1245.63	0.02
Policy Brook	2	10610.76		Culvert									
Policy Brook	2	10573.16	010 Year	59.80	118.17	122.83	118.82	122.84	0.000046	0.63	95.22	20.86	0.05
Policy Brook	2	10573.16	025 Year	86.60	118.17	124.70	119.00	124.71	0.000036	0.59	156.74	110.24	0.05
Policy Brook	2	10573.16	050 Year	116.20	118.17	126.01	119.18	126.01	0.000008	0.33	773.27	774.38	0.02
Policy Brook	2	10573.16	100 Year	282.10	118.17	127.58	120.00	127.58	0.000004	0.26	2218.27	1070.83	0.02
Policy Brook	2	10566.67	010 Year	59.80	118.48	122.80	120.73	122.83	0.000671	1.45	41.33	25.62	0.20
Policy Brook	2	10566.67	025 Year	86.60	118.48	124.70	121.09	124.70	0.000079	0.78	157.01	213.62	0.08
Policy Brook	2	10566.67	050 Year	116.20	118.48	126.01	121.42	126.01	0.000010	0.34	694.87	584.56	0.03
Policy Brook	2	10566.67	100 Year	282.10	118.48	127.57	122.72	127.58	0.000005	0.31	1829.20	820.01	0.02
Policy Brook	2	10550.52	010 Year	59.80	119.23	122.80	119.88	122.81	0.000080	0.79	79.79	31.15	0.07
Policy Brook	2	10550.52	025 Year	86.60	119.23	124.70	120.06	124.70	0.000032	0.67	142.76	199.09	0.05
Policy Brook	2	10550.52	050 Year	116.20	119.23	126.01	120.24	126.01	0.000009	0.41	553.84	313.95	0.03
Policy Brook	2	10550.52	100 Year	282.10	119.23	127.57	121.05	127.58	0.000007	0.42	1539.03	790.08	0.03
Policy Brook	2	10522.39		Culvert									
Policy Brook	2	10494.58	010 Year	59.80	118.38	122.80	119.03	122.81	0.000022	0.48	153.44	84.42	0.04
Policy Brook	2	10494.58	025 Year	86.60	118.38	124.69	119.21	124.69	0.000009	0.39	272.85	174.25	0.03
Policy Brook	2	10494.58	050 Year	116.20	118.38	125.99	119.39	125.99	0.000004	0.29	726.33	323.70	0.02
Policy Brook	2	10494.58	100 Year	282.10	118.38	127.57	120.21	127.57	0.000006	0.41	1647.19	801.68	0.02
Policy Brook	3	10414.99	010 Year	236.20	118.31	122.77	120.86	122.80	0.000252	1.64	206.67	87.97	0.14
Policy Brook	3	10414.99	025 Year	374.40	118.31	124.67	121.27	124.68	0.000103	1.36	387.97	145.36	0.10
Policy Brook	3	10414.99	050 Year	470.60	118.31	125.97	121.45	125.99	0.000070	1.28	670.18	252.02	0.08
Policy Brook	3	10414.99	100 Year	768.30	118.31	127.56	121.90	127.57	0.000056	1.30	1320.91	506.78	0.08
Policy Brook	3	10325.83	010 Year	236.20	118.24	122.72	120.86	122.77	0.000450	2.18	162.95	66.35	0.19
Policy Brook	3	10325.83	025 Year	374.40	118.24	124.64	121.30	124.67	0.000205	1.91	301.26	78.98	0.14
Policy Brook	3	10325.83	050 Year	470.60	118.24	125.94	121.53	125.97	0.000176	2.02	451.09	212.25	0.13
Policy Brook	3	10325.83	100 Year	768.30	118.24	127.53	122.12	127.56	0.000144	2.09	1062.64	568.83	0.12
Policy Brook	3	10291.22	010 Year	236.20	118.21	122.70	120.83	122.75	0.000450	2.18	162.72	67.02	0.19
Policy Brook	3	10291.22	025 Year	374.40	118.21	124.63	121.31	124.66	0.000200	1.89	303.19	78.75	0.14
Policy Brook	3	10291.22	050 Year	470.60	118.21	125.94	121.54	125.97	0.000138	1.79	421.63	179.48	0.12
Policy Brook	3	10291.22	100 Year	768.30	118.21	127.52	122.13	127.55	0.000150	2.14	1081.64	606.81	0.13
Policy Brook	3	10030.86	010 Year	236.20	118.00	122.58		122.63	0.000469	2.26	156.89	65.63	0.20
Policy Brook	3	10030.86	025 Year	374.40	118.00	124.58		124.61	0.000198	1.92	300.17	77.67	0.14
Policy Brook	3	10030.86	050 Year	470.60	118.00	125.90		125.93	0.000143	1.86	414.23	116.77	0.12
Policy Brook	3	10030.86	100 Year	768.30	118.00	127.49		127.52	0.000142	2.11	1016.27	519.57	0.12
Policy Brook	3	9609.047	010 Year	236.20	117.66	122.44	120.09	122.47	0.000292	1.89	189.21	65.25	0.16
Policy Brook	3	9609.047	025 Year	374.40	117.66	124.52	120.49	124.54	0.000129	1.63	399.98	141.45	0.11
Policy Brook	3	9609.047	050 Year	470.60	117.66	125.86	120.73	125.88	0.000084	1.49	649.91	249.09	0.09
Policy Brook	3	9609.047	100 Year	768.30	117.66	127.45	121.32	127.47	0.000081	1.65	1292.57	532.26	0.09
Policy Brook	3	9506.646	010 Year	236.20	117.57	122.41	120.02	122.44	0.000280	1.81	186.40	65.63	0.15
Policy Brook	3	9506.646	025 Year	374.40	117.57	124.50	120.47	124.53	0.000133	1.63	374.96	139.65	0.11
Policy Brook	3	9506.646	050 Year	470.60	117.57	125.85	120.70	125.87	0.000085	1.48	624.47	248.30	0.09
Policy Brook	3	9506.646	100 Year	768.30	117.57	127.44	121.31	127.46	0.000074	1.57	1279.92	524.42	0.09
Policy Brook	3	9484.417	010 Year	236.20	117.57	122.34	120.14	122.39	0.000381	2.10	136.53	65.21	0.18
Policy Brook	3	9484.417	025 Year	374.40	117.57	124.45	120.59	124.50	0.000190	1.94	225.34	129.67	0.13
Policy Brook	3	9484.417	050 Year	470.60	117.57	125.80	120.85	125.85	0.000144	1.91	282.01	247.39	0.12
Policy Brook	3	9484.417	100 Year	768.30	117.57	127.34	121.48	127.42	0.000194	2.51	346.83	541.15	0.15
Policy Brook	3	9434.022		Culvert									
Policy Brook	3	9362.233	010 Year	245.50	117.45	122.29	120.04	122.34	0.000390	2.15	164.12	58.81	0.18
Policy Brook	3	9362.233	025 Year	382.00	117.45	124.33	120.51	124.37	0.000185	1.91	286.53	71.86	0.13
Policy Brook	3	9362.233	050 Year	479.70	117.45	125.59	120.76	125.62	0.000137	1.86	364.27	156.34	0.12
Policy Brook	3	9362.233	100 Year	788.40	117.45	126.73	121.44	126.80	0.000210	2.52	435.29	521.76	0.15
Policy Brook	3	9142.391	010 Year	245.50	117.27	122.22	119.93	122.26	0.000322	1.98	184.89	65.98	0.17
Policy Brook	3	9142.391	025 Year	382.00	117.27	124.30	120.38	124.33	0.000150	1.75	335.25	88.30	0.12
Policy Brook	3	9142.391	050 Year	479.70	117.27	125.56	120.63	125.59	0.000141	1.91	497.46	168.99	0.12
Policy Brook	3	9142.391	100 Year	788.40	117.27	126.70	121.25	126.74	0.000180	2.36	828.56	395.07	0.14
Policy Brook	3	8718.068	010 Year	245.50	116.93	122.09	119.52	122.13	0.000279	1.91	194.16	68.31	0.16
Policy Brook	3	8718.068	025 Year	382.00	116.93	124.24	120.17	124.27	0.000128	1.66	354.89	358.17	0.11
Policy Brook	3	8718.068	050 Year	479.70	116.93	125.51	120.43	125.54	0.000097	1.62	527.39	476.22	0.10
Policy Brook	3	8718.068	100 Year	788.40	116.93	126.70	121.06	126.71	0.000031	1.00	1887.36	584.35	0.06
Policy Brook	3	8431.533	010 Year	245.50	116.69	122.10	119.15	122.10	0.000033	0.70	659.05	274.33	0.05

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Policy Brook	3	8431.533	025 Year	382.00	116.69	124.25	119.70	124.25	0.000014	0.58	1190.24	940.88	0.04
Policy Brook	3	8431.533	050 Year	479.70	116.69	125.52	119.86	125.52	0.000011	0.56	1546.75	1717.50	0.03
Policy Brook	3	8431.533	100 Year	788.40	116.69	126.70	120.20	126.70	0.000005	0.43	5553.79	2031.03	0.02
Policy Brook	3	8255.488	010 Year	245.50	116.55	122.10	118.93	122.10	0.000016	0.49	950.72	322.30	0.04
Policy Brook	3	8255.488	025 Year	382.00	116.55	124.25	119.25	124.25	0.000007	0.41	1680.46	1178.66	0.03
Policy Brook	3	8255.488	050 Year	479.70	116.55	125.52	119.37	125.52	0.000006	0.41	2160.26	1739.39	0.02
Policy Brook	3	8255.488	100 Year	788.40	116.55	126.70	119.62	126.70	0.000003	0.34	6214.50	2046.42	0.02
Policy Brook	3	8225.217	010 Year	245.50	116.52	122.09	118.85	122.10	0.000055	0.89	622.12	364.72	0.07
Policy Brook	3	8225.217	025 Year	382.00	116.52	124.25	119.64	124.25	0.000012	0.53	1770.22	1077.52	0.04
Policy Brook	3	8225.217	050 Year	479.70	116.52	125.52	119.96	125.52	0.000005	0.37	3499.08	1510.19	0.02
Policy Brook	3	8225.217	100 Year	788.40	116.52	126.70	120.96	126.70	0.000004	0.39	5548.72	2018.28	0.02
Policy Brook	3	8197.515	010 Year	245.50	116.50	122.01	118.66	122.08	0.000330	2.10	127.15	199.82	0.17
Policy Brook	3	8197.515	025 Year	382.00	116.50	124.17	119.45	124.23	0.000212	2.14	191.79	917.41	0.14
Policy Brook	3	8197.515	050 Year	479.70	116.50	125.43	119.82	125.50	0.000185	2.23	229.71	1325.62	0.14
Policy Brook	3	8197.515	100 Year	788.40	116.50	126.70	120.68	126.70	0.000005	0.39	4685.50	1683.05	0.02
Policy Brook	3	8152.274	Culvert										
Policy Brook	3	8074.433	010 Year	245.50	117.94	121.74	119.55	121.78	0.000459	1.89	233.04	428.10	0.19
Policy Brook	3	8074.433	025 Year	382.00	117.94	123.55	120.23	123.58	0.000174	1.58	457.90	1119.73	0.13
Policy Brook	3	8074.433	050 Year	479.70	117.94	124.43	120.65	124.46	0.000146	1.61	566.71	1805.70	0.12
Policy Brook	3	8074.433	100 Year	788.40	117.94	124.73	121.25	124.80	0.000324	2.49	604.41	2014.23	0.18
Policy Brook	3	7488.432	010 Year	250.90	116.30	121.40		121.45	0.000728	1.86	261.82	299.42	0.22
Policy Brook	3	7488.432	025 Year	387.80	116.30	123.51		123.51	0.000063	0.86	1244.49	639.20	0.07
Policy Brook	3	7488.432	050 Year	485.00	116.30	124.40		124.41	0.000036	0.74	1856.19	732.88	0.06
Policy Brook	3	7488.432	100 Year	792.40	116.30	124.68		124.69	0.000073	1.10	2069.81	794.10	0.08
Policy Brook	3	6591.132	010 Year	250.90	115.13	121.28	117.80	121.28	0.000006	0.27	2578.19	782.44	0.02
Policy Brook	3	6591.132	025 Year	387.80	115.13	123.45	117.93	123.45	0.000003	0.25	4317.47	830.10	0.02
Policy Brook	3	6591.132	050 Year	485.00	115.13	124.36	118.01	124.36	0.000003	0.26	5085.44	993.89	0.02
Policy Brook	3	6591.132	100 Year	792.40	115.13	124.57	118.22	124.57	0.000007	0.41	5270.71	1071.53	0.03
Policy Brook	3	5852.264	010 Year	728.10	114.17	121.28	117.81	121.28	0.000013	0.46	3623.04	1071.96	0.03
Policy Brook	3	5852.264	025 Year	1095.40	114.17	123.45	117.93	123.45	0.000006	0.40	6074.54	1186.26	0.03
Policy Brook	3	5852.264	050 Year	1612.70	114.17	124.35	118.09	124.35	0.000009	0.52	7196.18	1468.36	0.03
Policy Brook	3	5852.264	100 Year	2189.50	114.17	124.56	118.23	124.56	0.000015	0.67	7472.22	1504.24	0.04
Policy Brook	3	5426.726	010 Year	728.10	113.62	121.26	116.58	121.27	0.000050	1.05	1453.23	594.48	0.07
Policy Brook	3	5426.726	025 Year	1095.40	113.62	123.44	117.04	123.44	0.000018	0.77	2922.54	797.82	0.05
Policy Brook	3	5426.726	050 Year	1612.70	113.62	124.34	117.60	124.34	0.000022	0.91	3650.86	890.12	0.05
Policy Brook	3	5426.726	100 Year	2189.50	113.62	124.54	117.98	124.55	0.000037	1.17	3824.44	912.84	0.07
Policy Brook	3	4930.878	010 Year	728.10	112.98	121.13	116.53	121.21	0.000251	2.28	351.96	74.94	0.16
Policy Brook	3	4930.878	025 Year	1095.40	112.98	123.35	117.27	123.42	0.000159	2.22	806.51	522.79	0.13
Policy Brook	3	4930.878	050 Year	1612.70	112.98	124.24	118.05	124.31	0.000185	2.55	1190.18	753.66	0.15
Policy Brook	3	4930.878	100 Year	2189.50	112.98	124.38	118.82	124.50	0.000307	3.32	1371.74	780.67	0.19
Policy Brook	3	4870.725	010 Year	728.10	112.90	120.94	116.76	121.15	0.000601	4.03	223.96	166.40	0.25
Policy Brook	3	4870.725	025 Year	1095.40	112.90	123.34	117.85	123.40	0.000200	2.78	943.86	442.16	0.15
Policy Brook	3	4870.725	050 Year	1612.70	112.90	124.23	119.08	124.30	0.000237	3.20	1252.36	613.78	0.17
Policy Brook	3	4870.725	100 Year	2189.50	112.90	124.36	120.09	124.48	0.000401	4.19	1303.42	674.48	0.22
Policy Brook	3	4840.379	Culvert										
Policy Brook	3	4810.343	010 Year	728.10	111.72	116.99	116.55	118.27	0.007806	9.56	88.75	28.03	0.74
Policy Brook	3	4810.343	025 Year	1095.40	111.72	117.63	117.63	119.72	0.011142	12.34	104.12	31.06	0.90
Policy Brook	3	4810.343	050 Year	1612.70	111.72	118.89	118.89	121.55	0.011220	14.12	134.40	37.01	0.94
Policy Brook	3	4810.343	100 Year	2189.50	111.72	120.11	120.11	123.36	0.011219	15.70	163.73	43.20	0.96
Policy Brook	3	4749.749	010 Year	728.10	111.63	117.50	114.92	117.59	0.000572	2.83	379.77	153.49	0.23
Policy Brook	3	4749.749	025 Year	1095.40	111.63	118.49	115.85	118.59	0.000531	3.09	550.78	187.36	0.23
Policy Brook	3	4749.749	050 Year	1612.70	111.63	119.34	116.65	119.47	0.000601	3.61	720.72	215.06	0.25
Policy Brook	3	4749.749	100 Year	2189.50	111.63	120.05	117.18	120.21	0.000680	4.11	881.59	237.02	0.27
Policy Brook	3	3785.535	010 Year	728.10	110.12	117.29	114.55	117.31	0.000141	1.36	821.45	239.63	0.11
Policy Brook	3	3785.535	025 Year	1095.40	110.12	118.29	114.84	118.31	0.000144	1.56	1068.17	261.31	0.12
Policy Brook	3	3785.535	050 Year	1612.70	110.12	119.10	115.13	119.13	0.000178	1.90	1357.77	470.63	0.13
Policy Brook	3	3785.535	100 Year	2189.50	110.12	119.79	115.41	119.82	0.000202	2.16	1714.44	533.55	0.14
Policy Brook	3	3561.745	010 Year	728.10	109.77	117.27		117.28	0.000096	1.12	1000.38	277.71	0.09
Policy Brook	3	3561.745	025 Year	1095.40	109.77	118.27		118.28	0.000102	1.31	1284.34	294.92	0.10
Policy Brook	3	3561.745	050 Year	1612.70	109.77	119.07		119.09	0.000133	1.63	1535.85	341.34	0.11
Policy Brook	3	3561.745	100 Year	2189.50	109.77	119.75		119.78	0.000168	1.96	1781.77	383.17	0.13
Policy Brook	3	3496.305	010 Year	728.10	109.67	117.26		117.28	0.000080	1.09	989.29	277.06	0.09

							Scenario C.rep						
Policy Brook	3	3496.305	025 Year	1095.40	109.67	118.26		118.27	0.000086	1.28	1271.75	292.82	0.09
Policy Brook	3	3496.305	050 Year	1612.70	109.67	119.06		119.08	0.000115	1.60	1514.70	318.81	0.11
Policy Brook	3	3496.305	100 Year	2189.50	109.67	119.73		119.77	0.000147	1.93	1749.49	373.42	0.13
Policy Brook	3	3451.305	010 Year	730.90	109.60	117.05	113.31	117.22	0.000597	3.51	240.05	225.97	0.24
Policy Brook	3	3451.305	025 Year	1101.40	109.60	118.21	114.14	118.26	0.000230	2.42	928.45	329.39	0.15
Policy Brook	3	3451.305	050 Year	1618.30	109.60	119.01	115.20	119.07	0.000271	2.81	1209.15	371.63	0.17
Policy Brook	3	3451.305	100 Year	2200.50	109.60	119.68	116.08	119.75	0.000308	3.15	1466.98	396.07	0.18
Policy Brook	3	3420.783		Culvert									
Policy Brook	3	3390.376	010 Year	730.90	109.74	115.83	113.52	116.36	0.002265	5.81	125.74	33.71	0.44
Policy Brook	3	3390.376	025 Year	1101.40	109.74	116.51	114.52	117.46	0.003481	7.79	141.36	39.66	0.55
Policy Brook	3	3390.376	050 Year	1618.30	109.74	116.76	115.73	118.64	0.006595	11.01	147.01	42.10	0.77
Policy Brook	3	3390.376	100 Year	2200.50	109.74	118.22	118.22	119.57	0.004544	9.93	340.78	187.39	0.64
Policy Brook	3	3330.329	010 Year	730.90	109.71	116.04	114.28	116.08	0.000403	1.96	565.32	253.65	0.18
Policy Brook	3	3330.329	025 Year	1101.40	109.71	116.92	114.72	116.97	0.000337	2.08	793.50	260.77	0.17
Policy Brook	3	3330.329	050 Year	1618.30	109.71	117.62	115.11	117.68	0.000389	2.46	977.33	266.79	0.19
Policy Brook	3	3330.329	100 Year	2200.50	109.71	118.33	115.41	118.40	0.000421	2.79	1167.29	273.04	0.20
Policy Brook	3	2176.204	010 Year	730.90	109.02	115.90	111.75	115.90	0.000067	1.08	1588.36	580.72	0.08
Policy Brook	3	2176.204	025 Year	1101.40	109.02	116.79	112.15	116.80	0.000069	1.22	2380.38	679.53	0.08
Policy Brook	3	2176.204	050 Year	1618.30	109.02	117.45	112.57	117.46	0.000092	1.49	2839.96	710.08	0.10
Policy Brook	3	2176.204	100 Year	2200.50	109.02	118.13	112.90	118.15	0.000109	1.73	3331.17	735.65	0.11
Policy Brook	3	1257.926	010 Year	730.90	108.48	115.78	112.03	115.81	0.000168	1.81	1018.87	647.75	0.13
Policy Brook	3	1257.926	025 Year	1101.40	108.48	116.65	112.81	116.69	0.000202	2.17	1301.46	767.40	0.15
Policy Brook	3	1257.926	050 Year	1618.30	108.48	117.34	113.49	117.36	0.000130	1.86	2910.37	812.95	0.12
Policy Brook	3	1257.926	100 Year	2200.50	108.48	118.00	113.73	118.03	0.000153	2.13	3403.38	829.16	0.13
Policy Brook	3	177.2269	010 Year	730.90	108.45	115.37	111.86	115.49	0.000601	2.80	322.62	257.34	0.23
Policy Brook	3	177.2269	025 Year	1101.40	108.45	116.21	112.64	116.33	0.000600	3.13	562.93	425.60	0.24
Policy Brook	3	177.2269	050 Year	1618.30	108.45	116.96	113.56	117.09	0.000600	3.41	825.59	598.98	0.24
Policy Brook	3	177.2269	100 Year	2200.50	108.45	117.60	114.87	117.73	0.000601	3.64	1297.57	759.51	0.25
Policy Backwater	1	796.3802	010 Year	1.00	124.80	125.28	124.89	125.28	0.000132	0.27	3.69	8.73	0.07
Policy Backwater	1	796.3802	025 Year	1.00	124.80	125.27	124.89	125.27	0.000147	0.28	3.56	8.67	0.08
Policy Backwater	1	796.3802	050 Year	1.00	124.80	126.06	124.89	126.06	0.000004	0.08	11.80	12.25	0.02
Policy Backwater	1	796.3802	100 Year	1.00	124.80	127.59	124.89	127.59	0.000000	0.03	36.09	20.48	0.00
Policy Backwater	1	759.9449	010 Year	1.00	124.73	125.10	124.83	125.10	0.000601	0.49	2.06	6.25	0.15
Policy Backwater	1	759.9449	025 Year	1.00	124.73	124.97	124.83	124.98	0.002432	0.76	1.31	5.83	0.28
Policy Backwater	1	759.9449	050 Year	1.00	124.73	126.05	124.83	126.05	0.000007	0.10	9.59	9.51	0.02
Policy Backwater	1	759.9449	100 Year	1.00	124.73	127.59	124.83	127.59	0.000000	0.04	29.68	19.21	0.00
Policy Backwater	1	406.3698	010 Year	1.00	124.06	124.34	124.34	124.41	0.033946	2.10	0.48	3.36	0.99
Policy Backwater	1	406.3698	025 Year	1.00	124.06	124.82	124.34	124.82	0.000176	0.29	3.42	9.01	0.08
Policy Backwater	1	406.3698	050 Year	1.00	124.06	126.05	124.34	126.05	0.000001	0.03	35.87	77.26	0.01
Policy Backwater	1	406.3698	100 Year	1.00	124.06	127.59	124.34	127.59	0.000000	0.01	281.84	274.04	0.00

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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PROJECT DATA
Project Title: Scenario D
Project File : PolicyBrook_Propose.prj
Run Date and Time: 8/7/2017 4:14:46 PM

Project in English units

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top width (ft)	Froude # Ch1
West Policy Brk	2	5119.913	010 Year	151.30	128.40	134.00	130.64	134.05	0.000799	1.77	85.43	44.48	0.17
West Policy Brk	2	5119.913	025 Year	268.10	128.40	135.35	131.54	135.39	0.000703	1.56	172.14	58.52	0.16
West Policy Brk	2	5119.913	050 Year	373.80	128.40	135.79	132.45	135.85	0.000941	1.88	198.77	63.60	0.19
West Policy Brk	2	5119.913	100 Year	492.20	128.40	136.18	132.87	136.25	0.001171	2.20	224.40	71.55	0.21
West Policy Brk	2	5043.913	Culvert										
West Policy Brk	2	5009.594	010 Year	151.30	128.00	130.70	130.70	131.58	0.036166	7.54	20.07	107.34	1.00
West Policy Brk	2	5009.594	025 Year	268.10	128.00	131.66	131.66	132.14	0.038854	5.55	48.26	450.18	1.00
West Policy Brk	2	5009.594	050 Year	373.80	128.00	131.90	131.90	132.49	0.036439	6.16	60.68	544.98	1.00
West Policy Brk	2	5009.594	100 Year	492.20	128.00	132.14	132.14	132.84	0.034275	6.75	72.90	593.65	1.00
West Policy Brk	2	4854.862	010 Year	151.30	128.00	130.64		130.64	0.001373	0.83	296.75	403.89	0.18
West Policy Brk	2	4854.862	025 Year	268.10	128.00	131.05		131.05	0.001112	0.87	502.35	559.65	0.17
West Policy Brk	2	4854.862	050 Year	373.80	128.00	131.28		131.29	0.001080	1.02	639.09	607.72	0.17
West Policy Brk	2	4854.862	100 Year	492.20	128.00	131.56		131.57	0.000992	1.13	813.80	646.91	0.17
West Policy Brk	2	4595.263	010 Year	151.30	128.36	130.58	129.52	130.58	0.000085	0.41	951.27	978.59	0.05
West Policy Brk	2	4595.263	025 Year	268.10	128.36	130.98	129.63	130.98	0.000096	0.50	1346.08	1143.12	0.06
West Policy Brk	2	4595.263	050 Year	373.80	128.36	131.21	129.70	131.21	0.000118	0.59	1577.09	1264.95	0.07
West Policy Brk	2	4595.263	100 Year	492.20	128.36	131.49	129.77	131.49	0.000115	0.62	2060.26	1520.02	0.07
West Policy Brk	2	4335.653	010 Year	151.30	128.29	130.54	128.92	130.55	0.000212	0.59	261.10	1494.19	0.08
West Policy Brk	2	4335.653	025 Year	268.10	128.29	130.94	129.11	130.95	0.000315	0.84	344.36	2178.29	0.10
West Policy Brk	2	4335.653	050 Year	373.80	128.29	131.17	129.26	131.17	0.000236	0.78	831.28	2526.20	0.09
West Policy Brk	2	4335.653	100 Year	492.20	128.29	131.46	129.40	131.46	0.000121	0.61	1932.44	2654.57	0.07
West Policy Brk	2	3928.873	010 Year	151.30	127.46	130.43		130.44	0.000339	0.90	506.73	651.74	0.11
West Policy Brk	2	3928.873	025 Year	268.10	127.46	130.81		130.81	0.000352	1.02	773.36	790.40	0.11
West Policy Brk	2	3928.873	050 Year	373.80	127.46	131.05		131.05	0.000380	1.13	970.54	854.59	0.12
West Policy Brk	2	3928.873	100 Year	492.20	127.46	131.38		131.39	0.000311	1.10	1275.83	956.08	0.11
West Policy Brk	2	3522.092	010 Year	151.30	126.90	129.64	129.64	129.94	0.043158	4.39	34.50	681.33	0.99
West Policy Brk	2	3522.092	025 Year	268.10	126.90	129.97	129.97	130.30	0.038185	4.63	62.33	866.29	0.96
West Policy Brk	2	3522.092	050 Year	373.80	126.90	130.25	130.20	130.52	0.029065	4.27	100.65	993.95	0.85
West Policy Brk	2	3522.092	100 Year	492.20	126.90	131.31	130.33	131.31	0.000123	0.48	1937.72	1182.54	0.06
West Policy Brk	2	3086.213	010 Year	151.30	126.04	128.59		128.59	0.000195	0.65	426.69	393.52	0.08
West Policy Brk	2	3086.213	025 Year	268.10	126.04	129.65		129.65	0.000083	0.56	951.39	552.71	0.06
West Policy Brk	2	3086.213	050 Year	373.80	126.04	130.34		130.34	0.000061	0.56	1338.50	576.59	0.05
West Policy Brk	2	3086.213	100 Year	492.20	126.04	131.28		131.28	0.000038	0.51	1939.92	731.49	0.04
West Policy Brk	2	2650.328	010 Year	151.30	125.73	128.35	127.17	128.39	0.002418	1.48	101.92	99.16	0.26
West Policy Brk	2	2650.328	025 Year	268.10	125.73	129.56	127.59	129.58	0.000491	1.06	305.75	450.16	0.13
West Policy Brk	2	2650.328	050 Year	373.80	125.73	130.28	127.93	130.29	0.000299	1.01	492.94	683.69	0.11
West Policy Brk	2	2650.328	100 Year	492.20	125.73	131.24	128.21	131.25	0.000152	0.88	790.51	875.62	0.08
West Policy Brk	2	2624.007	010 Year	151.30	125.80	128.30	126.93	128.33	0.001756	1.36	111.42	97.57	0.22

				Scenario D.rep												
West	Policy	Brk	2	2624.007	025 Year	268.10	125.80	129.56	127.34	129.57	0.000355	0.93	378.28	378.85	0.11	
West	Policy	Brk	2	2624.007	050 Year	373.80	125.80	130.28	127.70	130.28	0.000156	0.75	776.02	704.06	0.08	
West	Policy	Brk	2	2624.007	100 Year	492.20	125.80	131.25	127.92	131.25	0.000043	0.47	1631.60	999.81	0.04	
West	Policy	Brk	2	2583.834	010 Year	170.10	124.66	127.73	126.62	128.09	0.009624	4.77	35.65	12.69	0.50	
West	Policy	Brk	2	2583.834	025 Year	278.60	124.66	129.08	127.37	129.42	0.011788	4.73	58.86	146.62	0.57	
West	Policy	Brk	2	2583.834	050 Year	348.00	124.66	129.92	127.78	130.19	0.006042	4.11	84.69	365.57	0.43	
West	Policy	Brk	2	2583.834	100 Year	489.10	124.66	131.24	129.15	131.25	0.000116	0.66	1347.68	1036.64	0.06	
West	Policy	Brk	2	2546.321		culvert										
West	Policy	Brk	2	1945.455	010 Year	176.70	123.80	125.37	125.37	125.98	0.022918	6.24	28.30	23.70	1.01	
West	Policy	Brk	2	1945.455	025 Year	286.70	123.80	125.86	125.86	126.63	0.021155	7.03	40.76	26.76	1.00	
West	Policy	Brk	2	1945.455	050 Year	356.00	123.80	126.11	126.11	126.98	0.020267	7.49	47.62	28.21	1.00	
West	Policy	Brk	2	1945.455	100 Year	497.80	123.80	128.04		128.39	0.003109	4.80	112.57	39.10	0.44	
West	Policy	Brk	2	1887.409	010 Year	176.70	120.14	125.05		125.08	0.000226	1.28	143.08	48.31	0.12	
West	Policy	Brk	2	1887.409	025 Year	286.70	120.14	125.56		125.61	0.000375	1.80	168.80	52.37	0.16	
West	Policy	Brk	2	1887.409	050 Year	356.00	120.14	126.43		126.48	0.000295	1.82	217.21	59.24	0.14	
West	Policy	Brk	2	1887.409	100 Year	497.80	120.14	128.17		128.21	0.000195	1.81	331.48	72.41	0.12	
West	Policy	Brk	2	1818.591	010 Year	176.70	120.00	125.05		125.06	0.000093	0.82	215.77	61.11	0.08	
West	Policy	Brk	2	1818.591	025 Year	286.70	120.00	125.57		125.59	0.000165	1.16	248.16	64.97	0.10	
West	Policy	Brk	2	1818.591	050 Year	356.00	120.00	126.44		126.46	0.000130	1.17	307.66	71.73	0.10	
West	Policy	Brk	2	1818.591	100 Year	497.80	120.00	128.18		128.20	0.000087	1.18	445.09	87.29	0.08	
West	Policy	Brk	2	1634.729	010 Year	176.70	114.00	125.06		125.06	0.000001	0.13	1539.26	257.52	0.01	
West	Policy	Brk	2	1634.729	025 Year	286.70	114.00	125.58		125.58	0.000002	0.20	1675.82	267.94	0.01	
West	Policy	Brk	2	1634.729	050 Year	356.00	114.00	126.45		126.45	0.000002	0.22	1922.73	294.21	0.01	
West	Policy	Brk	2	1634.729	100 Year	497.80	114.00	128.19		128.19	0.000002	0.25	2445.20	306.76	0.01	
West	Policy	Brk	2	1534.261	010 Year	176.70	114.00	125.06		125.06	0.000002	0.17	1105.05	195.70	0.01	
West	Policy	Brk	2	1534.261	025 Year	286.70	114.00	125.58		125.58	0.000004	0.26	1209.64	207.03	0.02	
West	Policy	Brk	2	1534.261	050 Year	356.00	114.00	126.45		126.45	0.000004	0.28	1402.60	231.66	0.02	
West	Policy	Brk	2	1534.261	100 Year	497.80	114.00	128.19		128.19	0.000004	0.31	1816.04	243.94	0.02	
West	Policy	Brk	2	1490.863	010 Year	176.70	114.00	125.06		125.06	0.000004	0.22	868.70	171.37	0.02	
West	Policy	Brk	2	1490.863	025 Year	286.70	114.00	125.58		125.58	0.000007	0.33	959.84	179.45	0.02	
West	Policy	Brk	2	1490.863	050 Year	356.00	114.00	126.45		126.45	0.000007	0.36	1130.07	207.48	0.02	
West	Policy	Brk	2	1490.863	100 Year	497.80	114.00	128.19		128.19	0.000006	0.38	1501.43	219.72	0.02	
West	Policy	Brk	2	1415.031	010 Year	176.70	118.00	125.06		125.06	0.000017	0.39	526.24	143.53	0.03	
West	Policy	Brk	2	1415.031	025 Year	286.70	118.00	125.57		125.58	0.000031	0.55	603.23	154.57	0.05	
West	Policy	Brk	2	1415.031	050 Year	356.00	118.00	126.44		126.45	0.000027	0.56	750.66	179.24	0.04	
West	Policy	Brk	2	1415.031	100 Year	497.80	118.00	128.18		128.19	0.000018	0.57	1073.83	192.99	0.04	
West	Policy	Brk	2	1253.992	010 Year	176.70	120.00	125.04		125.05	0.000115	0.81	269.33	97.58	0.08	
West	Policy	Brk	2	1253.992	025 Year	286.70	120.00	125.55		125.57	0.000189	1.11	320.59	104.52	0.11	
West	Policy	Brk	2	1253.992	050 Year	356.00	120.00	126.42		126.44	0.000143	1.06	417.00	115.98	0.10	
West	Policy	Brk	2	1253.992	100 Year	497.80	120.00	128.17		128.18	0.000088	0.97	639.32	139.02	0.08	
West	Policy	Brk	2	1235.739	010 Year	176.70	120.00	125.02	121.87	125.05	0.000171	1.19	148.54	67.50	0.11	
West	Policy	Brk	2	1235.739	025 Year	286.70	120.00	125.51	122.30	125.55	0.000304	1.72	166.95	70.03	0.14	
West	Policy	Brk	2	1235.739	050 Year	356.00	120.00	126.38	122.50	126.43	0.000257	1.78	199.96	75.16	0.14	
West	Policy	Brk	2	1235.739	100 Year	497.80	120.00	128.11	122.86	128.17	0.000194	1.87	265.92	86.43	0.12	
West	Policy	Brk	2	1207.33		culvert										
West	Policy	Brk	2	1104.084	010 Year	176.70	120.00	124.97	121.89	125.00	0.000313	1.51	120.48	38.77	0.14	
West	Policy	Brk	2	1104.084	025 Year	286.70	120.00	125.38	122.40	125.45	0.000573	2.20	136.96	41.25	0.19	
West	Policy	Brk	2	1104.084	050 Year	356.00	120.00	126.20	122.68	126.28	0.000468	2.25	172.84	46.20	0.18	
West	Policy	Brk	2	1104.084	100 Year	497.80	120.00	127.73	123.18	127.81	0.000350	2.33	250.31	55.38	0.16	
West	Policy	Brk	2	1076.659	010 Year	176.70	120.01	124.95		124.99	0.000334	1.70	119.31	40.15	0.15	
West	Policy	Brk	2	1076.659	025 Year	286.70	120.01	125.35		125.44	0.000633	2.49	135.62	42.54	0.21	
West	Policy	Brk	2	1076.659	050 Year	356.00	120.01	126.17		126.26	0.000530	2.55	172.69	47.53	0.20	
West	Policy	Brk	2	1076.659	100 Year	497.80	120.01	127.70		127.79	0.000406	2.64	252.45	56.80	0.18	
West	Policy	Brk	2	1047.767	010 Year	176.70	123.80	124.56	124.56	124.93	0.026388	4.86	36.35	50.01	1.01	
West	Policy	Brk	2	1047.767	025 Year	286.70	123.80	124.85	124.85	125.34	0.023944	5.65	50.76	51.76	1.01	
West	Policy	Brk	2	1047.767	050 Year	356.00	123.80	126.09		126.23	0.002403	2.99	119.93	59.40	0.36	
West	Policy	Brk	2	1047.767	100 Year	497.80	123.80	127.69		127.77	0.000704	2.35	222.91	69.46	0.21	
West	Policy	Brk	2	1025.149	010 Year	176.70	119.00	123.26		123.32	0.000787	2.19	113.66	53.38	0.22	
West	Policy	Brk	2	1025.149	025 Year	286.70	119.00	124.91		124.96	0.000415	2.10	214.08	68.64	0.17	
West	Policy	Brk	2	1025.149	050 Year	356.00	119.00	126.14		126.19	0.000262	1.94	306.61	81.38	0.14	
West	Policy	Brk	2	1025.149	100 Year	497.80	119.00	127.71		127.75	0.000202	1.98	446.28	96.17	0.13	
West	Policy	Brk	2	990.9073	010 Year	176.70	119.50	123.27		123.29	0.000354	1.65	208.04	78.17	0.15	

Scenario D.rep													
West Policy Brk	2	990.9073	025 Year	286.70	119.50	124.92	124.94	0.000216	1.65	344.77	87.31	0.13	
West Policy Brk	2	990.9073	050 Year	356.00	119.50	126.16	126.17	0.000149	1.57	456.52	94.00	0.11	
West Policy Brk	2	990.9073	100 Year	497.80	119.50	127.72	127.74	0.000128	1.68	610.54	102.65	0.10	
West Policy Brk	2	893.2678	010 Year	176.70	119.39	123.20	123.24	0.000563	2.07	146.85	62.82	0.19	
West Policy Brk	2	893.2678	025 Year	286.70	119.39	124.88	124.92	0.000316	2.00	261.13	73.19	0.15	
West Policy Brk	2	893.2678	050 Year	356.00	119.39	126.12	126.15	0.000210	1.87	356.90	80.64	0.13	
West Policy Brk	2	893.2678	100 Year	497.80	119.39	127.69	127.73	0.000174	1.96	491.23	90.48	0.12	
West Policy Brk	2	511.8787	010 Year	176.70	118.92	122.96	123.02	0.000614	2.23	132.76	55.03	0.20	
West Policy Brk	2	511.8787	025 Year	286.70	118.92	124.74	124.79	0.000344	2.15	241.10	66.61	0.16	
West Policy Brk	2	511.8787	050 Year	356.00	118.92	126.03	126.07	0.000231	2.01	332.45	75.40	0.13	
West Policy Brk	2	511.8787	100 Year	497.80	118.92	127.61	127.65	0.000204	2.17	481.48	161.47	0.13	
West Policy Brk	2	225.1332	010 Year	176.70	118.66	122.83	120.76 122.86	0.000453	1.94	171.77	66.99	0.17	
West Policy Brk	2	225.1332	025 Year	286.70	118.66	124.67	121.18 124.70	0.000244	1.84	305.57	78.07	0.13	
West Policy Brk	2	225.1332	050 Year	356.00	118.66	125.99	121.38 126.01	0.000166	1.73	413.90	87.39	0.11	
West Policy Brk	2	225.1332	100 Year	497.80	118.66	127.57	121.74 127.60	0.000162	1.96	582.26	123.80	0.12	
Unnamed Brook	1	1803.202	010 Year	53.50	125.80	127.95	127.95	0.000013	0.22	377.10	260.60	0.03	
Unnamed Brook	1	1803.202	025 Year	111.10	125.80	128.07	128.08	0.000043	0.42	410.21	264.74	0.05	
Unnamed Brook	1	1803.202	050 Year	166.90	125.80	128.36	128.37	0.000057	0.53	488.33	274.99	0.06	
Unnamed Brook	1	1803.202	100 Year	231.80	125.80	128.53	128.53	0.000086	0.68	535.26	294.32	0.08	
Unnamed Brook	1	1022.286	010 Year	53.50	124.57	127.95	127.95	0.000002	0.12	1228.38	526.69	0.01	
Unnamed Brook	1	1022.286	025 Year	111.10	124.57	128.06	128.06	0.000006	0.24	1291.29	528.10	0.02	
Unnamed Brook	1	1022.286	050 Year	166.90	124.57	128.35	128.35	0.000010	0.32	1442.97	531.70	0.03	
Unnamed Brook	1	1022.286	100 Year	231.80	124.57	128.51	128.51	0.000016	0.42	1525.58	533.99	0.04	
Unnamed Brook	1	798.5392	010 Year	53.50	124.28	127.94	127.94	0.000010	0.31	433.08	160.53	0.03	
Unnamed Brook	1	798.5392	025 Year	111.10	124.28	128.06	128.06	0.000038	0.63	451.74	164.01	0.06	
Unnamed Brook	1	798.5392	050 Year	166.90	124.28	128.34	128.35	0.000066	0.87	499.39	173.38	0.08	
Unnamed Brook	1	798.5392	100 Year	231.80	124.28	128.49	128.50	0.000112	1.15	525.37	177.60	0.10	
Unnamed Brook	1	772.176	010 Year	53.50	123.39	127.94	124.35 127.94	0.000035	0.62	96.44	143.39	0.05	
Unnamed Brook	1	772.176	025 Year	111.10	123.39	128.04	124.86 128.06	0.000094	1.03	169.53	151.87	0.09	
Unnamed Brook	1	772.176	050 Year	166.90	123.39	128.32	125.25 128.34	0.000155	1.38	196.36	220.07	0.12	
Unnamed Brook	1	772.176	100 Year	231.80	123.39	128.45	125.63 128.48	0.000260	1.82	210.57	257.00	0.15	
Unnamed Brook	1	739.2546	Culvert										
Unnamed Brook	1	53.0134	010 Year	53.50	121.39	124.20	122.36 124.23	0.000418	1.34	40.19	36.42	0.16	
Unnamed Brook	1	53.0134	025 Year	111.10	121.39	124.99	122.91 125.03	0.000422	1.67	104.24	348.59	0.17	
Unnamed Brook	1	53.0134	050 Year	166.90	121.39	126.05	123.32 126.07	0.000208	1.45	196.38	646.14	0.13	
Unnamed Brook	1	53.0134	100 Year	231.80	121.39	127.59	123.72 127.60	0.000090	1.19	331.05	1013.18	0.09	
Unnamed Brook	1	34.11355	010 Year	53.50	121.37	123.98	123.37 124.15	0.004867	3.35	15.99	216.87	0.52	
Unnamed Brook	1	34.11355	025 Year	111.10	121.37	124.98	124.05 125.01	0.000676	1.78	155.79	692.48	0.21	
Unnamed Brook	1	34.11355	050 Year	166.90	121.37	126.06	124.64 126.06	0.000020	0.40	1445.64	859.24	0.04	
Unnamed Brook	1	34.11355	100 Year	231.80	121.37	127.59	124.78 127.59	0.000005	0.25	2862.76	995.69	0.02	
Unnamed Brook	1	18.98231	010 Year	53.50	121.35	123.36	123.36 123.87	0.020145	5.71	9.37	9.32	1.00	
Unnamed Brook	1	18.98231	025 Year	111.10	121.35	124.99	124.14 124.99	0.000113	0.74	611.68	716.58	0.09	
Unnamed Brook	1	18.98231	050 Year	166.90	121.35	126.06	124.25 126.06	0.000019	0.39	1450.04	846.34	0.04	
Unnamed Brook	1	18.98231	100 Year	231.80	121.35	127.59	124.34 127.59	0.000005	0.25	2866.12	974.79	0.02	
Policy Brook	2	12721.80	010 Year	124.30	122.70	123.59	123.60	0.000792	0.95	163.66	303.68	0.20	
Policy Brook	2	12721.80	025 Year	246.60	122.70	124.98	124.99	0.000046	0.48	766.16	532.80	0.06	
Policy Brook	2	12721.80	050 Year	361.30	122.70	126.05	126.06	0.000019	0.39	1504.25	802.71	0.04	
Policy Brook	2	12721.80	100 Year	491.90	122.70	127.59	127.59	0.000005	0.25	2766.21	841.25	0.02	
Policy Brook	2	11863.97	010 Year	124.30	121.02	123.04	123.05	0.000542	1.33	239.75	201.02	0.19	
Policy Brook	2	11863.97	025 Year	246.60	121.02	124.92	124.93	0.000100	0.97	681.20	258.90	0.09	
Policy Brook	2	11863.97	050 Year	361.30	121.02	126.02	126.03	0.000075	1.00	986.89	291.93	0.08	
Policy Brook	2	11863.97	100 Year	491.90	121.02	127.58	127.58	0.000044	0.94	1638.13	493.85	0.07	
Policy Brook	2	10817.71	010 Year	58.40	119.04	122.92	120.48 122.92	0.000027	0.37	191.22	165.23	0.04	
Policy Brook	2	10817.71	025 Year	83.40	119.04	124.91	120.78 124.91	0.000003	0.19	789.15	1342.06	0.02	
Policy Brook	2	10817.71	050 Year	117.40	119.04	126.02	120.98 126.02	0.000000	0.09	2294.18	2316.75	0.01	
Policy Brook	2	10817.71	100 Year	282.50	119.04	127.58	121.59 127.58	0.000000	0.07	7683.80	3050.35	0.00	
Policy Brook	2	10681.47	010 Year	58.40	118.78	122.91	120.67 122.91	0.000046	0.45	129.78	65.99	0.06	
Policy Brook	2	10681.47	025 Year	83.40	118.78	124.91	120.91 124.91	0.000007	0.26	388.19	241.60	0.02	
Policy Brook	2	10681.47	050 Year	117.40	118.78	126.02	121.06 126.02	0.000003	0.23	715.99	591.49	0.02	
Policy Brook	2	10681.47	100 Year	282.50	118.78	127.58	121.57 127.58	0.000004	0.28	2035.31	1243.23	0.02	
Policy Brook	2	10675.46	010 Year	58.40	118.77	122.90	120.11 122.91	0.000094	0.91	72.70	63.25	0.09	
Policy Brook	2	10675.46	025 Year	83.40	118.77	124.90	120.41 124.90	0.000035	0.75	122.64	218.16	0.06	
Policy Brook	2	10675.46	050 Year	117.40	118.77	126.02	120.85 126.02	0.000006	0.36	684.82	568.42	0.02	

Policy Brook	2	10675.46	100 Year	282.50	118.77	127.58	Scenario D.rep 121.69	127.58	0.000005	0.37	1978.10	1245.86	0.02
Policy Brook	2	10610.76		Culvert									
Policy Brook	2	10573.16	010 Year	58.40	118.17	122.77	119.76	122.84	0.001449	2.17	26.96	9.93	0.23
Policy Brook	2	10573.16	025 Year	83.40	118.17	124.67	120.18	124.69	0.000326	1.16	80.70	108.12	0.13
Policy Brook	2	10573.16	050 Year	117.40	118.17	126.01	120.68	126.01	0.000016	0.35	698.98	774.19	0.03
Policy Brook	2	10573.16	100 Year	282.50	118.17	127.58	123.40	127.58	0.000005	0.24	2149.12	1071.06	0.02
Policy Brook	2	10566.67	010 Year	58.40	118.48	122.79	120.71	122.82	0.000651	1.42	41.06	25.51	0.20
Policy Brook	2	10566.67	025 Year	83.40	118.48	124.68	121.06	124.68	0.000076	0.76	152.70	209.24	0.08
Policy Brook	2	10566.67	050 Year	117.40	118.48	126.01	121.43	126.01	0.000010	0.35	694.22	583.63	0.03
Policy Brook	2	10566.67	100 Year	282.50	118.48	127.58	122.72	127.58	0.000005	0.30	1832.54	820.17	0.02
Policy Brook	2	10550.52	010 Year	58.40	119.23	122.79	119.87	122.80	0.000077	0.78	79.45	31.02	0.07
Policy Brook	2	10550.52	025 Year	83.40	119.23	124.68	120.04	124.68	0.000030	0.65	142.08	197.83	0.05
Policy Brook	2	10550.52	050 Year	117.40	119.23	126.01	120.25	126.01	0.000009	0.41	553.47	313.74	0.03
Policy Brook	2	10550.52	100 Year	282.50	119.23	127.58	121.06	127.58	0.000007	0.42	1542.25	790.13	0.03
Policy Brook	2	10522.39		Culvert									
Policy Brook	2	10494.58	010 Year	58.40	118.38	122.79	119.02	122.80	0.000021	0.47	152.78	84.23	0.04
Policy Brook	2	10494.58	025 Year	83.40	118.38	124.67	119.19	124.67	0.000008	0.38	271.60	172.82	0.03
Policy Brook	2	10494.58	050 Year	117.40	118.38	125.99	119.40	125.99	0.000004	0.29	725.79	323.52	0.02
Policy Brook	2	10494.58	100 Year	282.50	118.38	127.57	120.21	127.58	0.000006	0.41	1650.55	801.72	0.02
Policy Brook	3	10414.99	010 Year	234.70	118.31	122.76	120.86	122.79	0.000252	1.64	205.69	87.88	0.14
Policy Brook	3	10414.99	025 Year	371.20	118.31	124.65	121.27	124.66	0.000103	1.36	385.94	143.64	0.10
Policy Brook	3	10414.99	050 Year	472.60	118.31	125.97	121.45	125.98	0.000071	1.28	669.72	251.91	0.08
Policy Brook	3	10414.99	100 Year	770.40	118.31	127.56	121.90	127.57	0.000056	1.30	1323.03	507.26	0.08
Policy Brook	3	10325.83	010 Year	234.70	118.24	122.71	120.85	122.76	0.000450	2.17	162.22	66.28	0.19
Policy Brook	3	10325.83	025 Year	371.20	118.24	124.62	121.29	124.65	0.000204	1.90	299.73	78.02	0.14
Policy Brook	3	10325.83	050 Year	472.60	118.24	125.93	121.53	125.97	0.000177	2.03	450.63	212.18	0.13
Policy Brook	3	10325.83	100 Year	770.40	118.24	127.53	122.12	127.56	0.000144	2.09	1065.02	569.73	0.12
Policy Brook	3	10291.22	010 Year	234.70	118.21	122.69	120.83	122.74	0.000450	2.18	161.98	66.95	0.19
Policy Brook	3	10291.22	025 Year	371.20	118.21	124.61	121.30	124.64	0.000199	1.88	301.66	78.63	0.14
Policy Brook	3	10291.22	050 Year	472.60	118.21	125.93	121.54	125.96	0.000139	1.80	421.41	178.89	0.12
Policy Brook	3	10291.22	100 Year	770.40	118.21	127.53	122.13	127.56	0.000150	2.14	1084.17	607.82	0.13
Policy Brook	3	10030.86	010 Year	234.70	118.00	122.56		122.62	0.000469	2.25	156.17	65.57	0.20
Policy Brook	3	10030.86	025 Year	371.20	118.00	124.56		124.59	0.000198	1.91	298.67	77.55	0.14
Policy Brook	3	10030.86	050 Year	472.60	118.00	125.89		125.93	0.000145	1.86	413.93	116.35	0.12
Policy Brook	3	10030.86	100 Year	770.40	118.00	127.49		127.52	0.000143	2.11	1018.43	519.63	0.12
Policy Brook	3	9609.047	010 Year	234.70	117.66	122.43	120.09	122.46	0.000291	1.89	188.51	65.19	0.16
Policy Brook	3	9609.047	025 Year	371.20	117.66	124.50	120.48	124.52	0.000129	1.62	397.28	140.76	0.11
Policy Brook	3	9609.047	050 Year	472.60	117.66	125.86	120.73	125.88	0.000085	1.49	649.18	249.00	0.09
Policy Brook	3	9609.047	100 Year	770.40	117.66	127.46	121.33	127.47	0.000081	1.66	1294.77	532.26	0.09
Policy Brook	3	9506.646	010 Year	234.70	117.57	122.40	120.01	122.43	0.000279	1.81	185.70	65.57	0.15
Policy Brook	3	9506.646	025 Year	371.20	117.57	124.48	120.46	124.51	0.000132	1.63	372.31	138.47	0.11
Policy Brook	3	9506.646	050 Year	472.60	117.57	125.85	120.71	125.87	0.000085	1.49	623.71	248.25	0.09
Policy Brook	3	9506.646	100 Year	770.40	117.57	127.45	121.32	127.46	0.000074	1.57	1282.08	524.47	0.09
Policy Brook	3	9484.417	010 Year	234.70	117.57	122.33	120.14	122.38	0.000380	2.09	136.09	65.15	0.18
Policy Brook	3	9484.417	025 Year	371.20	117.57	124.43	120.58	124.48	0.000189	1.93	224.56	128.74	0.13
Policy Brook	3	9484.417	050 Year	472.60	117.57	125.80	120.85	125.84	0.000146	1.92	281.86	247.32	0.12
Policy Brook	3	9484.417	100 Year	770.40	117.57	127.35	121.48	127.43	0.000195	2.52	346.98	541.18	0.15
Policy Brook	3	9434.022		Culvert									
Policy Brook	3	9362.233	010 Year	244.10	117.45	122.28	120.03	122.33	0.000390	2.14	163.55	58.75	0.18
Policy Brook	3	9362.233	025 Year	379.10	117.45	124.32	120.49	124.35	0.000184	1.90	285.52	71.74	0.13
Policy Brook	3	9362.233	050 Year	480.50	117.45	125.58	120.77	125.62	0.000138	1.86	363.94	155.66	0.12
Policy Brook	3	9362.233	100 Year	790.60	117.45	126.73	121.44	126.80	0.000212	2.53	435.30	521.82	0.15
Policy Brook	3	9142.391	010 Year	244.10	117.27	122.21	119.93	122.25	0.000321	1.98	184.24	65.92	0.17
Policy Brook	3	9142.391	025 Year	379.10	117.27	124.28	120.37	124.31	0.000149	1.74	333.98	87.60	0.12
Policy Brook	3	9142.391	050 Year	480.50	117.27	125.55	120.63	125.58	0.000143	1.92	496.53	168.81	0.12
Policy Brook	3	9142.391	100 Year	790.60	117.27	126.70	121.26	126.74	0.000181	2.37	828.57	395.07	0.14
Policy Brook	3	8718.068	010 Year	244.10	116.93	122.08	119.52	122.12	0.000278	1.90	193.51	68.26	0.16
Policy Brook	3	8718.068	025 Year	379.10	116.93	124.23	120.17	124.25	0.000127	1.65	353.60	357.33	0.11
Policy Brook	3	8718.068	050 Year	480.50	116.93	125.51	120.43	125.53	0.000097	1.62	526.35	475.68	0.10
Policy Brook	3	8718.068	100 Year	790.60	116.93	126.70	121.06	126.71	0.000031	1.00	1887.37	584.35	0.06
Policy Brook	3	8431.533	010 Year	244.10	116.69	122.09	119.16	122.09	0.000033	0.70	656.84	270.79	0.05

Scenario D.rep													
Policy Brook	3	8431.533	025 Year	379.10	116.69	124.24	119.69	124.24	0.000014	0.58	1185.95	930.82	0.04
Policy Brook	3	8431.533	050 Year	480.50	116.69	125.52	119.86	125.52	0.000011	0.56	1545.05	1714.72	0.03
Policy Brook	3	8431.533	100 Year	790.60	116.69	126.70	120.20	126.70	0.000005	0.43	5553.81	2031.04	0.02
Policy Brook	3	8255.488	010 Year	244.10	116.55	122.09	118.92	122.09	0.000016	0.48	947.63	322.20	0.04
Policy Brook	3	8255.488	025 Year	379.10	116.55	124.24	119.25	124.24	0.000007	0.41	1674.66	1164.69	0.03
Policy Brook	3	8255.488	050 Year	480.50	116.55	125.52	119.38	125.52	0.000006	0.41	2157.87	1736.53	0.02
Policy Brook	3	8255.488	100 Year	790.60	116.55	126.70	119.62	126.70	0.000003	0.35	6214.51	2046.42	0.02
Policy Brook	3	8225.217	010 Year	244.10	116.52	122.08	118.85	122.09	0.000055	0.89	618.62	363.97	0.07
Policy Brook	3	8225.217	025 Year	379.10	116.52	124.23	119.62	124.24	0.000012	0.53	1758.17	1072.45	0.04
Policy Brook	3	8225.217	050 Year	480.50	116.52	125.52	119.96	125.52	0.000005	0.37	3490.98	1505.99	0.02
Policy Brook	3	8225.217	100 Year	790.60	116.52	126.70	120.96	126.70	0.000004	0.39	5548.72	2018.28	0.02
Policy Brook	3	8197.515	010 Year	244.10	116.50	122.00	118.65	122.07	0.000329	2.10	126.88	198.52	0.17
Policy Brook	3	8197.515	025 Year	379.10	116.50	124.15	119.43	124.22	0.000211	2.13	191.34	905.46	0.14
Policy Brook	3	8197.515	050 Year	480.50	116.50	125.43	119.82	125.50	0.000187	2.24	229.52	1319.79	0.14
Policy Brook	3	8197.515	100 Year	790.60	116.50	126.70	120.69	126.70	0.000005	0.39	4685.50	1683.05	0.02
Policy Brook	3	8152.274	Culvert										
Policy Brook	3	8074.433	010 Year	244.10	117.94	121.73	119.55	121.78	0.000458	1.88	232.24	426.83	0.19
Policy Brook	3	8074.433	025 Year	379.10	117.94	123.55	120.21	123.57	0.000172	1.57	457.22	1118.11	0.12
Policy Brook	3	8074.433	050 Year	480.50	117.94	124.42	120.65	124.45	0.000147	1.62	565.53	1801.08	0.12
Policy Brook	3	8074.433	100 Year	790.60	117.94	124.73	121.26	124.80	0.000326	2.49	604.54	2014.98	0.18
Policy Brook	3	7488.432	010 Year	249.50	116.30	121.40		121.44	0.000730	1.86	259.84	298.18	0.22
Policy Brook	3	7488.432	025 Year	384.90	116.30	123.50		123.51	0.000062	0.86	1241.27	638.94	0.07
Policy Brook	3	7488.432	050 Year	485.70	116.30	124.39		124.40	0.000036	0.74	1849.01	729.50	0.06
Policy Brook	3	7488.432	100 Year	794.70	116.30	124.68		124.69	0.000074	1.10	2070.48	794.25	0.08
Policy Brook	3	6591.132	010 Year	249.50	115.13	121.28	117.80	121.28	0.000006	0.26	2573.58	782.35	0.02
Policy Brook	3	6591.132	025 Year	384.90	115.13	123.45	117.93	123.45	0.000003	0.24	4313.84	829.95	0.02
Policy Brook	3	6591.132	050 Year	485.70	115.13	124.34	118.00	124.35	0.000003	0.26	5076.58	987.35	0.02
Policy Brook	3	6591.132	100 Year	794.70	115.13	124.57	118.22	124.57	0.000007	0.42	5270.91	1071.60	0.03
Policy Brook	3	5852.264	010 Year	727.30	114.17	121.27	117.81	121.27	0.000013	0.46	3616.71	1071.72	0.03
Policy Brook	3	5852.264	025 Year	1092.80	114.17	123.44	117.93	123.44	0.000006	0.40	6069.39	1185.29	0.03
Policy Brook	3	5852.264	050 Year	1608.80	114.17	124.34	118.08	124.34	0.000009	0.52	7182.74	1466.77	0.03
Policy Brook	3	5852.264	100 Year	2193.60	114.17	124.56	118.23	124.56	0.000015	0.67	7472.45	1504.26	0.04
Policy Brook	3	5426.726	010 Year	727.30	113.62	121.25	116.58	121.26	0.000051	1.05	1449.68	594.19	0.07
Policy Brook	3	5426.726	025 Year	1092.80	113.62	123.43	117.04	123.44	0.000018	0.77	2919.18	797.38	0.05
Policy Brook	3	5426.726	050 Year	1608.80	113.62	124.33	117.60	124.33	0.000022	0.91	3642.18	888.86	0.05
Policy Brook	3	5426.726	100 Year	2193.60	113.62	124.54	117.98	124.55	0.000037	1.18	3824.54	912.86	0.07
Policy Brook	3	4930.878	010 Year	727.30	112.98	121.13	116.53	121.20	0.000251	2.28	351.50	74.88	0.16
Policy Brook	3	4930.878	025 Year	1092.80	112.98	123.35	117.26	123.41	0.000159	2.21	804.86	521.95	0.13
Policy Brook	3	4930.878	050 Year	1608.80	112.98	124.23	118.05	124.30	0.000185	2.55	1185.08	750.46	0.15
Policy Brook	3	4930.878	100 Year	2193.60	112.98	124.38	118.83	124.50	0.000308	3.32	1371.37	780.61	0.19
Policy Brook	3	4870.725	010 Year	727.30	112.90	120.93	116.75	121.14	0.000601	4.03	223.74	165.77	0.25
Policy Brook	3	4870.725	025 Year	1092.80	112.90	123.34	117.85	123.40	0.000199	2.78	942.49	441.51	0.15
Policy Brook	3	4870.725	050 Year	1608.80	112.90	124.22	119.07	124.29	0.000238	3.20	1248.26	611.14	0.17
Policy Brook	3	4870.725	100 Year	2193.60	112.90	124.36	120.10	124.48	0.000402	4.20	1303.14	673.93	0.22
Policy Brook	3	4840.379	Culvert										
Policy Brook	3	4810.343	010 Year	727.30	111.72	116.98	116.54	118.27	0.007810	9.56	88.66	28.01	0.74
Policy Brook	3	4810.343	025 Year	1092.80	111.72	117.62	117.62	119.71	0.011132	12.33	103.99	31.03	0.90
Policy Brook	3	4810.343	050 Year	1608.80	111.72	118.88	118.88	121.54	0.011226	14.11	134.16	36.96	0.94
Policy Brook	3	4810.343	100 Year	2193.60	111.72	120.12	120.12	123.37	0.011227	15.71	163.88	43.23	0.96
Policy Brook	3	4749.749	010 Year	727.30	111.63	117.49	114.92	117.59	0.000573	2.83	379.17	153.38	0.23
Policy Brook	3	4749.749	025 Year	1092.80	111.63	118.48	115.85	118.58	0.000532	3.09	549.57	187.23	0.23
Policy Brook	3	4749.749	050 Year	1608.80	111.63	119.33	116.65	119.46	0.000601	3.60	719.30	214.85	0.25
Policy Brook	3	4749.749	100 Year	2193.60	111.63	120.05	117.18	120.22	0.000681	4.11	882.45	237.15	0.27
Policy Brook	3	3785.535	010 Year	727.30	110.12	117.29	114.54	117.30	0.000142	1.36	820.43	239.59	0.11
Policy Brook	3	3785.535	025 Year	1092.80	110.12	118.28	114.84	118.30	0.000144	1.56	1066.48	261.07	0.12
Policy Brook	3	3785.535	050 Year	1608.80	110.12	119.09	115.13	119.12	0.000178	1.90	1354.68	467.43	0.13
Policy Brook	3	3785.535	100 Year	2193.60	110.12	119.79	115.42	119.83	0.000203	2.17	1716.17	533.64	0.14
Policy Brook	3	3561.745	010 Year	727.30	109.77	117.27		117.28	0.000096	1.12	999.19	277.67	0.09
Policy Brook	3	3561.745	025 Year	1092.80	109.77	118.26		118.27	0.000102	1.31	1282.43	294.79	0.10
Policy Brook	3	3561.745	050 Year	1608.80	109.77	119.07		119.09	0.000133	1.63	1533.61	340.89	0.11
Policy Brook	3	3561.745	100 Year	2193.60	109.77	119.75		119.78	0.000168	1.96	1782.98	383.43	0.13
Policy Brook	3	3496.305	010 Year	727.30	109.67	117.26		117.27	0.000080	1.09	988.10	277.02	0.09

							Scenario D.rep						
Policy Brook	3	3496.305	025 Year	1092.80	109.67	118.25		118.27	0.000086	1.28	1269.85	292.67	0.09
Policy Brook	3	3496.305	050 Year	1608.80	109.67	119.05		119.08	0.000115	1.60	1512.62	318.06	0.11
Policy Brook	3	3496.305	100 Year	2193.60	109.67	119.74		119.77	0.000147	1.93	1750.66	373.62	0.13
Policy Brook	3	3451.305	010 Year	730.10	109.60	117.05	113.31	117.22	0.000597	3.51	239.88	225.56	0.24
Policy Brook	3	3451.305	025 Year	1098.80	109.60	118.20	114.14	118.25	0.000230	2.42	926.29	329.10	0.15
Policy Brook	3	3451.305	050 Year	1614.40	109.60	119.00	115.19	119.06	0.000271	2.81	1206.70	371.38	0.17
Policy Brook	3	3451.305	100 Year	2203.90	109.60	119.68	116.09	119.75	0.000309	3.15	1468.22	396.20	0.18
Policy Brook	3	3420.783		Culvert									
Policy Brook	3	3390.376	010 Year	730.10	109.74	115.83	113.52	116.36	0.002263	5.81	125.69	33.69	0.44
Policy Brook	3	3390.376	025 Year	1098.80	109.74	116.51	114.50	117.45	0.003471	7.78	141.29	39.63	0.55
Policy Brook	3	3390.376	050 Year	1614.40	109.74	116.76	115.71	118.63	0.006568	10.98	146.98	42.09	0.77
Policy Brook	3	3390.376	100 Year	2203.90	109.74	118.22	118.22	119.57	0.004559	9.95	340.77	187.39	0.64
Policy Brook	3	3330.329	010 Year	730.10	109.71	116.03	114.29	116.07	0.000404	1.96	564.64	253.62	0.18
Policy Brook	3	3330.329	025 Year	1098.80	109.71	116.92	114.72	116.96	0.000337	2.08	792.22	260.73	0.17
Policy Brook	3	3330.329	050 Year	1614.40	109.71	117.62	115.10	117.67	0.000389	2.46	975.88	266.74	0.19
Policy Brook	3	3330.329	100 Year	2203.90	109.71	118.33	115.41	118.40	0.000421	2.79	1168.16	273.07	0.20
Policy Brook	3	2176.204	010 Year	730.10	109.02	115.89	111.74	115.90	0.000067	1.08	1587.04	580.60	0.08
Policy Brook	3	2176.204	025 Year	1098.80	109.02	116.78	112.14	116.79	0.000069	1.22	2377.09	679.44	0.08
Policy Brook	3	2176.204	050 Year	1614.40	109.02	117.44	112.57	117.46	0.000091	1.49	2836.18	709.87	0.10
Policy Brook	3	2176.204	100 Year	2203.90	109.02	118.13	112.90	118.15	0.000109	1.73	3333.36	735.81	0.11
Policy Brook	3	1257.926	010 Year	730.10	108.48	115.77	112.03	115.81	0.000168	1.81	1017.99	647.58	0.13
Policy Brook	3	1257.926	025 Year	1098.80	108.48	116.65	112.81	116.69	0.000201	2.17	1299.94	765.93	0.15
Policy Brook	3	1257.926	050 Year	1614.40	108.48	117.34	113.48	117.36	0.000130	1.86	2906.49	812.80	0.12
Policy Brook	3	1257.926	100 Year	2203.90	108.48	118.01	113.73	118.03	0.000154	2.14	3405.49	829.23	0.13
Policy Brook	3	177.2269	010 Year	730.10	108.45	115.37	111.85	115.49	0.000601	2.80	322.00	256.96	0.23
Policy Brook	3	177.2269	025 Year	1098.80	108.45	116.20	112.63	116.33	0.000600	3.13	561.46	425.25	0.24
Policy Brook	3	177.2269	050 Year	1614.40	108.45	116.95	113.56	117.08	0.000600	3.41	823.76	598.22	0.24
Policy Brook	3	177.2269	100 Year	2203.90	108.45	117.60	114.85	117.73	0.000601	3.64	1299.42	759.62	0.25
Policy Backwater	1	796.3802	010 Year	1.00	124.80	125.28	124.89	125.28	0.000132	0.27	3.69	8.73	0.07
Policy Backwater	1	796.3802	025 Year	1.00	124.80	125.28	124.89	125.28	0.000138	0.27	3.64	8.71	0.07
Policy Backwater	1	796.3802	050 Year	1.00	124.80	126.06	124.89	126.06	0.000004	0.08	11.86	12.27	0.02
Policy Backwater	1	796.3802	100 Year	1.00	124.80	127.59	124.89	127.59	0.000000	0.03	36.14	20.51	0.00
Policy Backwater	1	759.9449	010 Year	1.00	124.73	125.10	124.83	125.10	0.000601	0.49	2.06	6.25	0.15
Policy Backwater	1	759.9449	025 Year	1.00	124.73	125.04	124.83	125.05	0.001029	0.58	1.73	6.06	0.19
Policy Backwater	1	759.9449	050 Year	1.00	124.73	126.06	124.83	126.06	0.000006	0.10	9.64	9.52	0.02
Policy Backwater	1	759.9449	100 Year	1.00	124.73	127.59	124.83	127.59	0.000000	0.04	29.73	19.25	0.00
Policy Backwater	1	406.3698	010 Year	1.00	124.06	124.34	124.34	124.41	0.033946	2.10	0.48	3.36	0.99
Policy Backwater	1	406.3698	025 Year	1.00	124.06	124.99	124.34	124.99	0.000060	0.20	5.13	11.03	0.05
Policy Backwater	1	406.3698	050 Year	1.00	124.06	126.06	124.34	126.06	0.000001	0.03	36.26	77.52	0.01
Policy Backwater	1	406.3698	100 Year	1.00	124.06	127.59	124.34	127.59	0.000000	0.01	282.48	274.53	0.00

HEC-RAS HEC-RAS 5.0.3 September 2016
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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PROJECT DATA
Project Title: Proposed with Modification to Main Street
Project File : PolicyBrook_Propose.prj
Run Date and Time: 8/1/2017 8:16:59 AM

Project in English units

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top width (ft)	Froude # Ch1
West Policy Brk	2	5119.913	001 Year	9.10	128.40	129.76	128.78	129.77	0.000761	0.84	10.87	9.40	0.14
West Policy Brk	2	5119.913	002 Year	28.80	128.40	130.63	129.21	130.66	0.001374	1.45	19.80	11.20	0.19
West Policy Brk	2	5119.913	010 Year	151.30	128.40	134.00	130.64	134.05	0.000799	1.77	85.43	44.48	0.17
West Policy Brk	2	5119.913	025 Year	268.10	128.40	135.35	131.54	135.39	0.000703	1.56	172.14	58.52	0.16
West Policy Brk	2	5043.913	Culvert										
West Policy Brk	2	5009.594	001 Year	9.10	128.00	129.58	128.55	129.60	0.001076	0.98	9.25	8.11	0.16
West Policy Brk	2	5009.594	002 Year	28.80	128.00	129.84	129.09	129.94	0.006014	2.52	11.45	9.58	0.39
West Policy Brk	2	5009.594	010 Year	151.30	128.00	130.70	130.70	131.58	0.036166	7.54	20.07	107.34	1.00
West Policy Brk	2	5009.594	025 Year	268.10	128.00	131.66	131.66	132.14	0.038854	5.55	48.26	450.18	1.00
West Policy Brk	2	4854.862	001 Year	9.10	128.00	129.56		129.57	0.000897	0.82	24.91	122.98	0.15
West Policy Brk	2	4854.862	002 Year	28.80	128.00	129.80		129.81	0.001872	1.28	59.20	173.70	0.22
West Policy Brk	2	4854.862	010 Year	151.30	128.00	130.64		130.64	0.001373	0.83	296.75	403.89	0.18
West Policy Brk	2	4854.862	025 Year	268.10	128.00	131.05		131.05	0.001112	0.87	502.35	559.65	0.17
West Policy Brk	2	4595.263	001 Year	9.10	128.36	129.04	128.75	129.05	0.004975	1.00	9.35	35.46	0.31
West Policy Brk	2	4595.263	002 Year	28.80	128.36	129.56	129.03	129.56	0.000489	0.56	140.78	559.58	0.11
West Policy Brk	2	4595.263	010 Year	151.30	128.36	130.58	129.52	130.58	0.000085	0.41	951.27	978.59	0.05
West Policy Brk	2	4595.263	025 Year	268.10	128.36	130.98	129.63	130.98	0.000096	0.50	1346.08	1143.12	0.06
West Policy Brk	2	4335.653	001 Year	9.10	128.29	128.95	128.53	128.96	0.000137	0.20	45.87	106.61	0.05
West Policy Brk	2	4335.653	002 Year	28.80	128.29	129.52	128.62	129.52	0.000087	0.26	111.13	122.52	0.05
West Policy Brk	2	4335.653	010 Year	151.30	128.29	130.54	128.92	130.55	0.000212	0.59	261.10	1494.19	0.08
West Policy Brk	2	4335.653	025 Year	268.10	128.29	130.94	129.11	130.95	0.000315	0.84	344.36	2178.29	0.10
West Policy Brk	2	3928.873	001 Year	9.10	127.46	128.85		128.85	0.000596	0.58	16.47	35.77	0.12
West Policy Brk	2	3928.873	002 Year	28.80	127.46	129.44		129.45	0.000542	0.76	62.42	150.67	0.12
West Policy Brk	2	3928.873	010 Year	151.30	127.46	130.43		130.44	0.000339	0.90	506.73	651.74	0.11
West Policy Brk	2	3928.873	025 Year	268.10	127.46	130.81		130.81	0.000352	1.02	773.36	790.40	0.11
West Policy Brk	2	3522.092	001 Year	9.10	126.90	127.80	127.80	128.03	0.051561	3.83	2.38	5.26	1.00
West Policy Brk	2	3522.092	002 Year	28.80	126.90	128.33	128.33	128.69	0.044059	4.81	5.98	8.35	1.00
West Policy Brk	2	3522.092	010 Year	151.30	126.90	129.64	129.64	129.94	0.043158	4.39	34.50	681.33	0.99
West Policy Brk	2	3522.092	025 Year	268.10	126.90	129.97	129.97	130.30	0.038185	4.63	62.33	866.29	0.96
West Policy Brk	2	3086.213	001 Year	9.10	126.04	126.93		126.93	0.000496	0.36	26.92	82.46	0.10
West Policy Brk	2	3086.213	002 Year	28.80	126.04	127.32		127.32	0.000459	0.51	69.85	138.15	0.11
West Policy Brk	2	3086.213	010 Year	151.30	126.04	128.59		128.59	0.000195	0.65	426.69	393.52	0.08
West Policy Brk	2	3086.213	025 Year	268.10	126.04	129.65		129.65	0.000083	0.56	951.39	552.71	0.06
West Policy Brk	2	2650.328	001 Year	9.10	125.73	126.43	126.11	126.45	0.004264	1.09	8.38	19.95	0.30
West Policy Brk	2	2650.328	002 Year	28.80	125.73	126.77	126.41	126.81	0.007199	1.76	16.39	28.06	0.41
West Policy Brk	2	2650.328	010 Year	151.30	125.73	128.35	127.17	128.39	0.002418	1.48	101.92	99.16	0.26
West Policy Brk	2	2650.328	025 Year	268.10	125.73	129.56	127.59	129.58	0.000491	1.06	305.75	450.16	0.13
West Policy Brk	2	2624.007	001 Year	9.10	125.80	126.10	126.09	126.18	0.054191	2.23	4.08	22.24	0.92

Proposed with Modification to Main Street.rep													
West Policy Brk	2	2624.007	002 Year	28.80	125.80	126.38	126.30	126.48	0.026325	2.54	11.33	29.51	0.72
West Policy Brk	2	2624.007	010 Year	151.30	125.80	128.30	126.93	128.33	0.001756	1.36	111.42	97.57	0.22
West Policy Brk	2	2624.007	025 Year	268.10	125.80	129.56	127.34	129.57	0.000355	0.93	378.28	378.85	0.11
West Policy Brk	2	2583.834	001 Year	9.80	124.66	125.11	124.96	125.18	0.014833	2.03	4.82	10.82	0.54
West Policy Brk	2	2583.834	002 Year	32.10	124.66	125.66	125.32	125.80	0.012108	2.96	10.86	11.21	0.53
West Policy Brk	2	2583.834	010 Year	170.10	124.66	127.73	126.62	128.09	0.009624	4.77	35.65	12.69	0.50
West Policy Brk	2	2583.834	025 Year	278.60	124.66	129.08	127.37	129.42	0.011788	4.73	58.86	146.62	0.57
West Policy Brk	2	2546.321	Culvert										
West Policy Brk	2	1945.455	001 Year	10.40	123.80	124.09	124.09	124.22	0.036724	2.90	3.59	13.76	1.00
West Policy Brk	2	1945.455	002 Year	33.80	123.80	124.41	124.41	124.66	0.030149	4.02	8.41	16.94	1.01
West Policy Brk	2	1945.455	010 Year	176.70	123.80	125.37	125.37	125.98	0.022918	6.24	28.30	23.70	1.01
West Policy Brk	2	1945.455	025 Year	286.70	123.80	125.86	125.86	126.63	0.021155	7.03	40.76	26.76	1.00
West Policy Brk	2	1887.409	001 Year	10.40	120.14	123.98		123.98	0.000003	0.11	95.96	39.88	0.01
West Policy Brk	2	1887.409	002 Year	33.80	120.14	124.20		124.20	0.000021	0.32	104.90	41.60	0.03
West Policy Brk	2	1887.409	010 Year	176.70	120.14	125.05		125.08	0.000226	1.28	143.07	48.31	0.12
West Policy Brk	2	1887.409	025 Year	286.70	120.14	125.56		125.61	0.000375	1.80	168.80	52.37	0.16
West Policy Brk	2	1818.591	001 Year	10.40	120.00	123.98		123.98	0.000001	0.07	154.67	53.14	0.01
West Policy Brk	2	1818.591	002 Year	33.80	120.00	124.20		124.20	0.000007	0.20	166.50	54.77	0.02
West Policy Brk	2	1818.591	010 Year	176.70	120.00	125.05		125.06	0.000093	0.82	215.76	61.11	0.08
West Policy Brk	2	1818.591	025 Year	286.70	120.00	125.57		125.59	0.000165	1.16	248.16	64.97	0.10
West Policy Brk	2	1634.729	001 Year	10.40	114.00	123.98		123.98	0.000000	0.01	1271.89	239.69	0.00
West Policy Brk	2	1634.729	002 Year	33.80	114.00	124.20		124.20	0.000000	0.03	1324.98	243.35	0.00
West Policy Brk	2	1634.729	010 Year	176.70	114.00	125.06		125.06	0.000001	0.13	1539.22	257.52	0.01
West Policy Brk	2	1634.729	025 Year	286.70	114.00	125.58		125.58	0.000002	0.20	1675.82	267.94	0.01
West Policy Brk	2	1534.261	001 Year	10.40	114.00	123.98		123.98	0.000000	0.01	903.44	178.72	0.00
West Policy Brk	2	1534.261	002 Year	33.80	114.00	124.20		124.20	0.000000	0.04	943.12	182.40	0.00
West Policy Brk	2	1534.261	010 Year	176.70	114.00	125.06		125.06	0.000002	0.17	1105.01	195.69	0.01
West Policy Brk	2	1534.261	025 Year	286.70	114.00	125.58		125.58	0.000004	0.26	1209.64	207.03	0.02
West Policy Brk	2	1490.863	001 Year	10.40	114.00	123.98		123.98	0.000000	0.02	693.46	154.29	0.00
West Policy Brk	2	1490.863	002 Year	33.80	114.00	124.20		124.20	0.000000	0.05	727.79	158.09	0.00
West Policy Brk	2	1490.863	010 Year	176.70	114.00	125.06		125.06	0.000004	0.22	868.67	171.36	0.02
West Policy Brk	2	1490.863	025 Year	286.70	114.00	125.58		125.58	0.000007	0.33	959.84	179.45	0.02
West Policy Brk	2	1415.031	001 Year	10.40	118.00	123.98		123.98	0.000000	0.03	381.63	126.05	0.00
West Policy Brk	2	1415.031	002 Year	33.80	118.00	124.20		124.20	0.000001	0.09	409.72	129.68	0.01
West Policy Brk	2	1415.031	010 Year	176.70	118.00	125.06		125.06	0.000017	0.39	526.22	143.53	0.03
West Policy Brk	2	1415.031	025 Year	286.70	118.00	125.57		125.58	0.000031	0.55	603.23	154.57	0.05
West Policy Brk	2	1253.992	001 Year	10.40	120.00	123.98		123.98	0.000001	0.07	173.84	82.04	0.01
West Policy Brk	2	1253.992	002 Year	33.80	120.00	124.20		124.20	0.000010	0.22	192.16	85.41	0.02
West Policy Brk	2	1253.992	010 Year	176.70	120.00	125.04		125.05	0.000115	0.81	269.31	97.58	0.08
West Policy Brk	2	1253.992	025 Year	286.70	120.00	125.55		125.57	0.000189	1.11	320.59	104.52	0.11
West Policy Brk	2	1235.739	001 Year	10.40	120.00	123.98	120.37	123.98	0.000002	0.10	108.99	60.19	0.01
West Policy Brk	2	1235.739	002 Year	33.80	120.00	124.20	120.77	124.20	0.000014	0.29	117.26	62.64	0.03
West Policy Brk	2	1235.739	010 Year	176.70	120.00	125.02	121.87	125.05	0.000171	1.19	148.54	67.50	0.11
West Policy Brk	2	1235.739	025 Year	286.70	120.00	125.51	122.30	125.55	0.000304	1.72	166.95	70.03	0.14
West Policy Brk	2	1207.33	Culvert										
West Policy Brk	2	1104.084	001 Year	10.40	120.00	123.98	120.36	123.98	0.000003	0.12	85.21	32.86	0.01
West Policy Brk	2	1104.084	002 Year	33.80	120.00	124.20	120.76	124.20	0.000025	0.37	92.42	34.12	0.04
West Policy Brk	2	1104.084	010 Year	176.70	120.00	124.97	121.89	125.00	0.000313	1.51	120.47	38.77	0.14
West Policy Brk	2	1104.084	025 Year	286.70	120.00	125.38	122.40	125.45	0.000573	2.20	136.96	41.25	0.19
West Policy Brk	2	1076.659	001 Year	10.40	120.01	123.98		123.98	0.000003	0.13	83.35	34.05	0.01
West Policy Brk	2	1076.659	002 Year	33.80	120.01	124.20		124.20	0.000025	0.41	90.79	35.41	0.04
West Policy Brk	2	1076.659	010 Year	176.70	120.01	124.95		124.99	0.000334	1.70	119.30	40.15	0.15
West Policy Brk	2	1076.659	025 Year	286.70	120.01	125.35		125.44	0.000633	2.49	135.62	42.54	0.21
West Policy Brk	2	1047.767	001 Year	10.40	123.80	123.92	123.92	123.98	0.047885	1.94	5.36	46.00	1.00
West Policy Brk	2	1047.767	002 Year	33.80	123.80	124.06	124.06	124.18	0.036807	2.85	11.87	46.87	1.00
West Policy Brk	2	1047.767	010 Year	176.70	123.80	124.56	124.56	124.93	0.026231	4.85	36.41	50.01	1.00
West Policy Brk	2	1047.767	025 Year	286.70	123.80	124.85	124.85	125.34	0.023944	5.65	50.76	51.76	1.01
West Policy Brk	2	1025.149	001 Year	10.40	119.00	120.37		120.40	0.002630	1.27	8.19	13.97	0.29
West Policy Brk	2	1025.149	002 Year	33.80	119.00	121.20		121.23	0.001259	1.40	25.85	28.23	0.23
West Policy Brk	2	1025.149	010 Year	176.70	119.00	123.26		123.32	0.000787	2.19	113.66	53.38	0.22
West Policy Brk	2	1025.149	025 Year	286.70	119.00	124.91		124.96	0.000415	2.10	214.08	68.64	0.17
West Policy Brk	2	990.9073	001 Year	10.40	119.50	120.33		120.35	0.000857	0.92	17.39	41.68	0.18

Proposed with Modification to Main Street.rep													
West Policy Brk	2	990.9073	002 Year	33.80	119.50	121.19	121.20	0.000387	1.01	61.49	58.66	0.14	
West Policy Brk	2	990.9073	010 Year	176.70	119.50	123.27	123.29	0.000354	1.65	208.04	78.17	0.15	
West Policy Brk	2	990.9073	025 Year	286.70	119.50	124.92	124.94	0.000216	1.65	344.77	87.31	0.13	
West Policy Brk	2	893.2678	001 Year	10.40	119.39	120.24	120.26	0.000995	0.95	11.38	18.54	0.19	
West Policy Brk	2	893.2678	002 Year	33.80	119.39	121.13	121.15	0.000604	1.24	36.28	37.34	0.17	
West Policy Brk	2	893.2678	010 Year	176.70	119.39	123.20	123.24	0.000563	2.07	146.85	62.82	0.19	
West Policy Brk	2	893.2678	025 Year	286.70	119.39	124.88	124.92	0.000316	2.00	261.13	73.19	0.15	
West Policy Brk	2	511.8787	001 Year	10.40	118.92	119.94	119.95	0.000647	0.85	12.29	15.05	0.16	
West Policy Brk	2	511.8787	002 Year	33.80	118.92	120.94	120.96	0.000427	1.14	39.30	34.52	0.15	
West Policy Brk	2	511.8787	010 Year	176.70	118.92	122.96	123.02	0.000614	2.23	132.76	55.03	0.20	
West Policy Brk	2	511.8787	025 Year	286.70	118.92	124.74	124.79	0.000344	2.15	241.10	66.61	0.16	
West Policy Brk	2	225.1332	001 Year	10.40	118.66	119.73	119.02	0.000796	0.96	10.96	14.48	0.18	
West Policy Brk	2	225.1332	002 Year	33.80	118.66	120.83	119.43	0.000380	1.12	49.98	53.70	0.14	
West Policy Brk	2	225.1332	010 Year	176.70	118.66	122.83	120.76	0.000453	1.94	171.77	66.99	0.17	
West Policy Brk	2	225.1332	025 Year	286.70	118.66	124.67	121.18	0.000244	1.84	305.57	78.07	0.13	
Unnamed Brook	1	1803.202	001 Year	1.00	125.80	125.93	125.93	0.033352	1.30	0.77	11.16	0.87	
Unnamed Brook	1	1803.202	002 Year	5.70	125.80	126.06	126.10	0.027311	1.80	4.02	46.58	0.88	
Unnamed Brook	1	1803.202	010 Year	53.50	125.80	126.32	126.32	0.030634	3.21	23.33	99.44	1.06	
Unnamed Brook	1	1803.202	025 Year	111.10	125.80	126.48	126.48	0.026901	3.85	42.63	137.20	1.06	
Unnamed Brook	1	1022.286	001 Year	1.00	124.57	124.67	124.55	0.000352	0.13	13.55	151.18	0.09	
Unnamed Brook	1	1022.286	002 Year	5.70	124.57	124.83	124.83	0.000397	0.28	41.40	210.14	0.11	
Unnamed Brook	1	1022.286	010 Year	53.50	124.57	125.35	125.35	0.000413	0.69	177.58	290.52	0.14	
Unnamed Brook	1	1022.286	025 Year	111.10	124.57	126.05	126.05	0.000161	0.68	402.66	342.10	0.10	
Unnamed Brook	1	798.5392	001 Year	1.00	124.28	124.39	124.39	0.026643	1.09	1.29	33.83	0.77	
Unnamed Brook	1	798.5392	002 Year	5.70	124.28	124.49	124.47	0.024733	1.70	5.47	50.00	0.84	
Unnamed Brook	1	798.5392	010 Year	53.50	124.28	125.01	125.10	0.007564	2.78	39.13	86.54	0.61	
Unnamed Brook	1	798.5392	025 Year	111.10	124.28	125.94	125.97	0.001098	1.91	140.47	132.51	0.27	
Unnamed Brook	1	772.176	001 Year	1.00	123.39	123.47	123.47	0.038490	1.46	0.68	9.24	0.95	
Unnamed Brook	1	772.176	002 Year	5.70	123.39	123.62	123.62	0.030490	2.64	2.16	10.03	1.01	
Unnamed Brook	1	772.176	010 Year	53.50	123.39	124.70	124.35	0.006310	3.36	15.95	15.58	0.58	
Unnamed Brook	1	772.176	025 Year	111.10	123.39	125.73	124.86	0.002691	3.17	36.84	29.11	0.42	
Unnamed Brook	1	739.2546	Culvert										
Unnamed Brook	1	53.0134	001 Year	1.00	121.39	123.03	121.46	0.000001	0.05	19.57	15.10	0.01	
Unnamed Brook	1	53.0134	002 Year	5.70	121.39	123.21	121.62	0.000024	0.25	22.38	15.80	0.04	
Unnamed Brook	1	53.0134	010 Year	53.50	121.39	124.20	122.36	0.000420	1.34	40.10	28.49	0.17	
Unnamed Brook	1	53.0134	025 Year	111.10	121.39	125.18	122.91	0.000309	1.49	120.49	436.91	0.15	
Unnamed Brook	1	34.11355	001 Year	1.00	121.37	123.03	121.78	0.000019	0.15	6.45	7.79	0.03	
Unnamed Brook	1	34.11355	002 Year	5.70	121.37	123.20	122.19	0.000368	0.73	7.86	8.59	0.13	
Unnamed Brook	1	34.11355	010 Year	53.50	121.37	123.97	123.37	0.004913	3.36	15.94	211.07	0.52	
Unnamed Brook	1	34.11355	025 Year	111.10	121.37	125.18	124.05	0.000367	1.39	200.22	764.30	0.16	
Unnamed Brook	1	18.98231	001 Year	1.00	121.35	123.03	121.76	0.000019	0.15	6.51	7.77	0.03	
Unnamed Brook	1	18.98231	002 Year	5.70	121.35	123.19	122.17	0.000366	0.73	7.85	8.53	0.13	
Unnamed Brook	1	18.98231	010 Year	53.50	121.35	123.37	123.36	0.019660	5.66	9.45	9.36	0.99	
Unnamed Brook	1	18.98231	025 Year	111.10	121.35	125.18	124.14	0.000061	0.57	749.88	733.19	0.06	
Policy Brook	2	12721.80	001 Year	3.10	122.70	123.01	123.02	0.000884	0.34	12.86	158.44	0.16	
Policy Brook	2	12721.80	002 Year	14.60	122.70	123.15	123.15	0.000756	0.49	41.84	247.62	0.17	
Policy Brook	2	12721.80	010 Year	124.30	122.70	123.62	123.63	0.000658	0.89	173.70	307.95	0.18	
Policy Brook	2	12721.80	025 Year	246.60	122.70	125.18	125.18	0.000032	0.42	870.36	559.45	0.05	
Policy Brook	2	11863.97	001 Year	3.10	121.02	121.54	121.56	0.004404	1.15	2.71	10.38	0.40	
Policy Brook	2	11863.97	002 Year	14.60	121.02	121.83	121.85	0.004451	1.41	22.56	143.96	0.42	
Policy Brook	2	11863.97	010 Year	124.30	121.02	123.21	123.21	0.000365	1.17	273.94	205.85	0.16	
Policy Brook	2	11863.97	025 Year	246.60	121.02	125.13	125.14	0.000081	0.90	735.41	266.83	0.08	
Policy Brook	2	10817.71	001 Year	3.40	119.04	119.95	119.51	0.000812	0.71	4.81	10.57	0.18	
Policy Brook	2	10817.71	002 Year	14.30	119.04	120.94	119.86	0.000345	0.63	22.66	31.34	0.13	
Policy Brook	2	10817.71	010 Year	58.40	119.04	123.12	120.48	0.000019	0.33	229.02	226.59	0.04	
Policy Brook	2	10817.71	025 Year	83.40	119.04	125.12	120.78	0.000002	0.16	902.32	1503.27	0.01	
Policy Brook	2	10681.47	001 Year	3.40	118.78	119.81	119.35	0.001127	0.90	3.80	7.34	0.22	
Policy Brook	2	10681.47	002 Year	14.30	118.78	120.87	119.78	0.000787	0.76	18.81	36.34	0.19	
Policy Brook	2	10681.47	010 Year	58.40	118.78	123.12	120.67	0.000035	0.41	143.67	68.57	0.05	
Policy Brook	2	10681.47	025 Year	83.40	118.78	125.12	120.91	0.000005	0.24	437.91	271.74	0.02	
Policy Brook	2	10675.46	001 Year	3.40	118.77	119.82	119.01	0.000165	0.46	7.45	9.23	0.09	
Policy Brook	2	10675.46	002 Year	14.30	118.77	120.87	119.35	0.000180	0.71	21.89	38.98	0.10	
Policy Brook	2	10675.46	010 Year	58.40	118.77	123.11	120.11	0.000075	0.85	77.89	65.84	0.08	

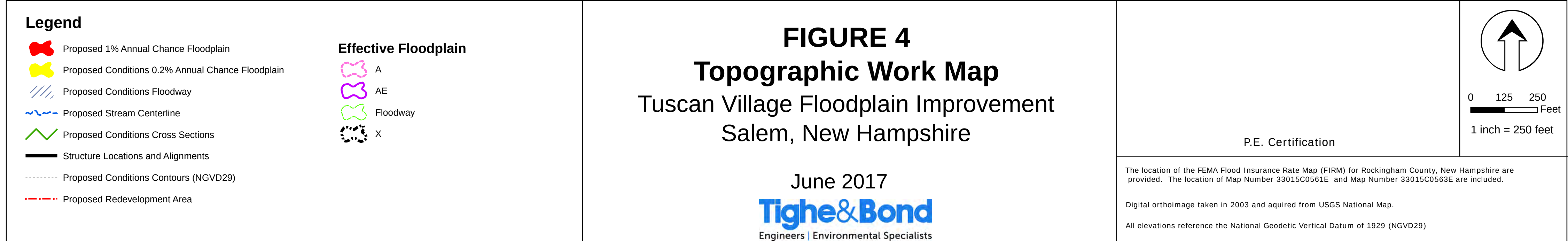
Policy	Brook	2	10675.46	025 Year	83.40	118.77	Proposed with Modification to Main Street.rep	125.11	120.41	125.12	0.000031	0.72	127.96	246.08	0.05
Policy	Brook	2	10610.76		Culvert										
Policy	Brook	2	10573.16	001 Year	3.40	118.17	119.82	118.41	119.82	0.000081	0.39	8.67	5.55	0.06	
Policy	Brook	2	10573.16	002 Year	14.30	118.17	120.85	118.80	120.86	0.000342	0.98	14.58	5.89	0.11	
Policy	Brook	2	10573.16	010 Year	58.40	118.17	122.99	119.76	123.05	0.001333	1.98	29.46	12.90	0.23	
Policy	Brook	2	10573.16	025 Year	83.40	118.17	124.88	120.18	124.90	0.000218	1.00	103.37	217.81	0.11	
Policy	Brook	2	10566.67	001 Year	3.40	118.48	119.80	119.20	119.81	0.001143	1.00	3.38	5.14	0.22	
Policy	Brook	2	10566.67	002 Year	14.30	118.48	120.83	119.75	120.86	0.000923	1.33	10.77	9.18	0.22	
Policy	Brook	2	10566.67	010 Year	58.40	118.48	123.00	120.71	123.03	0.000466	1.25	46.88	27.78	0.17	
Policy	Brook	2	10566.67	025 Year	83.40	118.48	124.89	121.06	124.89	0.000051	0.65	200.87	252.85	0.06	
Policy	Brook	2	10550.52	001 Year	3.40	119.23	119.78	119.44	119.79	0.001257	0.89	3.84	7.98	0.23	
Policy	Brook	2	10550.52	002 Year	14.30	119.23	120.82	119.76	120.84	0.000521	1.01	14.12	11.73	0.16	
Policy	Brook	2	10550.52	010 Year	58.40	119.23	123.00	120.49	123.02	0.000202	1.20	55.81	33.46	0.12	
Policy	Brook	2	10550.52	025 Year	83.40	119.23	124.88	120.77	124.89	0.000063	0.91	104.62	210.99	0.07	
Policy	Brook	2	10522.39		Culvert										
Policy	Brook	2	10494.58	001 Year	3.40	118.38	119.59	118.56	119.59	0.000044	0.27	12.61	12.84	0.05	
Policy	Brook	2	10494.58	002 Year	14.30	118.38	120.75	118.83	120.75	0.000057	0.47	33.56	35.27	0.06	
Policy	Brook	2	10494.58	010 Year	58.40	118.38	122.79	119.46	122.80	0.000032	0.58	133.76	84.21	0.05	
Policy	Brook	2	10494.58	025 Year	83.40	118.38	124.67	119.71	124.67	0.000010	0.43	252.61	172.80	0.03	
Policy	Brook	3	10414.99	001 Year	14.30	118.31	119.56	118.76	119.58	0.000687	1.09	13.15	13.01	0.19	
Policy	Brook	3	10414.99	002 Year	49.00	118.31	120.71	119.27	120.74	0.000498	1.43	44.69	58.13	0.18	
Policy	Brook	3	10414.99	010 Year	234.70	118.31	122.76	120.86	122.79	0.000252	1.64	205.69	87.88	0.14	
Policy	Brook	3	10414.99	025 Year	371.20	118.31	124.65	121.27	124.66	0.000103	1.36	385.94	143.64	0.10	
Policy	Brook	3	10325.83	001 Year	14.30	118.24	119.50	118.69	119.52	0.000667	1.08	13.28	13.05	0.19	
Policy	Brook	3	10325.83	002 Year	49.00	118.24	120.66	119.21	120.69	0.000570	1.51	39.74	48.96	0.19	
Policy	Brook	3	10325.83	010 Year	234.70	118.24	122.71	120.85	122.76	0.000450	2.17	162.22	66.28	0.19	
Policy	Brook	3	10325.83	025 Year	371.20	118.24	124.62	121.29	124.65	0.000204	1.90	299.73	78.02	0.14	
Policy	Brook	3	10291.22	001 Year	14.30	118.21	119.48	118.66	119.50	0.000654	1.07	13.37	13.08	0.19	
Policy	Brook	3	10291.22	002 Year	49.00	118.21	120.64	119.18	120.67	0.000572	1.51	38.58	45.63	0.19	
Policy	Brook	3	10291.22	010 Year	234.70	118.21	122.69	120.83	122.74	0.000450	2.18	161.98	66.95	0.19	
Policy	Brook	3	10291.22	025 Year	371.20	118.21	124.61	121.30	124.64	0.000199	1.88	301.66	78.63	0.14	
Policy	Brook	3	10030.86	001 Year	14.30	118.00	119.32		119.34	0.000564	1.02	14.08	13.29	0.17	
Policy	Brook	3	10030.86	002 Year	49.00	118.00	120.50		120.53	0.000527	1.49	37.36	37.74	0.19	
Policy	Brook	3	10030.86	010 Year	234.70	118.00	122.56		122.62	0.000469	2.25	156.17	65.57	0.20	
Policy	Brook	3	10030.86	025 Year	371.20	118.00	124.56		124.59	0.000198	1.91	298.67	77.55	0.14	
Policy	Brook	3	9609.047	001 Year	14.30	117.66	119.13	118.10	119.14	0.000384	0.89	16.09	13.88	0.15	
Policy	Brook	3	9609.047	002 Year	49.00	117.66	120.38	118.63	120.39	0.000208	1.06	67.67	52.89	0.12	
Policy	Brook	3	9609.047	010 Year	234.70	117.66	122.43	120.09	122.46	0.000291	1.89	188.51	65.19	0.16	
Policy	Brook	3	9609.047	025 Year	371.20	117.66	124.50	120.48	124.52	0.000129	1.62	397.28	140.76	0.11	
Policy	Brook	3	9506.646	001 Year	14.30	117.57	119.10	118.01	119.11	0.000291	0.77	18.55	16.28	0.13	
Policy	Brook	3	9506.646	002 Year	49.00	117.57	120.36	118.51	120.37	0.000203	1.00	64.59	53.35	0.12	
Policy	Brook	3	9506.646	010 Year	234.70	117.57	122.40	120.01	122.43	0.000279	1.81	185.70	65.57	0.15	
Policy	Brook	3	9506.646	025 Year	371.20	117.57	124.48	120.46	124.51	0.000132	1.63	372.31	138.47	0.11	
Policy	Brook	3	9484.417	001 Year	14.30	117.57	119.05	118.02	119.06	0.000390	0.90	15.89	13.53	0.15	
Policy	Brook	3	9484.417	002 Year	49.00	117.57	120.32	118.54	120.34	0.000278	1.17	51.88	53.10	0.14	
Policy	Brook	3	9484.417	010 Year	234.70	117.57	122.33	120.14	122.38	0.000380	2.09	136.09	65.15	0.18	
Policy	Brook	3	9484.417	025 Year	371.20	117.57	124.43	120.58	124.48	0.000189	1.93	224.56	128.74	0.13	
Policy	Brook	3	9434.022		Culvert										
Policy	Brook	3	9362.233	001 Year	15.10	117.45	119.05	117.91	119.06	0.000318	0.85	17.86	14.38	0.13	
Policy	Brook	3	9362.233	002 Year	51.70	117.45	120.31	118.45	120.33	0.000248	1.14	60.25	46.82	0.13	
Policy	Brook	3	9362.233	010 Year	244.10	117.45	122.28	120.03	122.33	0.000390	2.14	163.55	58.75	0.18	
Policy	Brook	3	9362.233	025 Year	379.10	117.45	124.32	120.49	124.35	0.000184	1.90	285.52	71.74	0.13	
Policy	Brook	3	9142.391	001 Year	15.10	117.27	118.99	117.74	119.00	0.000244	0.77	19.62	14.86	0.12	
Policy	Brook	3	9142.391	002 Year	51.70	117.27	120.27	118.27	120.28	0.000199	1.06	67.57	54.23	0.12	
Policy	Brook	3	9142.391	010 Year	244.10	117.27	122.21	119.93	122.25	0.000321	1.98	184.24	65.92	0.17	
Policy	Brook	3	9142.391	025 Year	379.10	117.27	124.28	120.37	124.31	0.000149	1.74	333.98	87.60	0.12	
Policy	Brook	3	8718.068	001 Year	15.10	116.93	118.91	117.39	118.92	0.000143	0.64	23.68	15.92	0.09	
Policy	Brook	3	8718.068	002 Year	51.70	116.93	120.20	117.93	120.21	0.000142	0.96	75.47	56.90	0.10	
Policy	Brook	3	8718.068	010 Year	244.10	116.93	122.08	119.52	122.12	0.000278	1.90	193.51	68.26	0.16	
Policy	Brook	3	8718.068	025 Year	379.10	116.93	124.23	120.17	124.25	0.000127	1.65	353.60	357.33	0.11	
Policy	Brook	3	8431.533	001 Year	15.10	116.69	118.88	117.15	118.89	0.000067	0.51	40.74	57.55	0.07	

Proposed with Modification to Main Street.rep													
Policy Brook	3	8431.533	002 Year	51.70	116.69	120.19	117.69	120.19	0.000031	0.49	233.43	215.29	0.05
Policy Brook	3	8431.533	010 Year	244.10	116.69	122.09	119.16	122.09	0.000033	0.70	656.84	270.79	0.05
Policy Brook	3	8431.533	025 Year	379.10	116.69	124.24	119.69	124.24	0.000014	0.58	1185.95	930.82	0.04
Policy Brook	3	8255.488	001 Year	15.10	116.55	118.88	117.01	118.88	0.000032	0.36	77.31	125.40	0.05
Policy Brook	3	8255.488	002 Year	51.70	116.55	120.19	117.55	120.19	0.000012	0.32	362.04	285.49	0.03
Policy Brook	3	8255.488	010 Year	244.10	116.55	122.09	118.92	122.09	0.000016	0.48	947.63	322.20	0.04
Policy Brook	3	8255.488	025 Year	379.10	116.55	124.24	119.25	124.24	0.000007	0.41	1674.66	1164.69	0.03
Policy Brook	3	8225.217	001 Year	15.10	116.52	118.88	116.98	118.88	0.000057	0.45	34.02	21.32	0.06
Policy Brook	3	8225.217	002 Year	51.70	116.52	120.18	117.52	120.19	0.000078	0.76	98.99	121.66	0.08
Policy Brook	3	8225.217	010 Year	244.10	116.52	122.08	118.85	122.09	0.000055	0.89	618.62	363.97	0.07
Policy Brook	3	8225.217	025 Year	379.10	116.52	124.23	119.62	124.24	0.000012	0.53	1758.17	1072.45	0.04
Policy Brook	3	8197.515	001 Year	15.10	116.50	118.87	116.86	118.88	0.000045	0.42	36.18	18.56	0.05
Policy Brook	3	8197.515	002 Year	51.70	116.50	120.17	117.31	120.18	0.000084	0.78	72.01	67.50	0.08
Policy Brook	3	8197.515	010 Year	244.10	116.50	122.00	118.65	122.07	0.000329	2.10	126.88	198.52	0.17
Policy Brook	3	8197.515	025 Year	379.10	116.50	124.15	119.43	124.22	0.000211	2.13	191.34	905.46	0.14
Policy Brook	3	8152.274	Culvert										
Policy Brook	3	8074.433	001 Year	15.10	117.94	118.87	118.20	118.87	0.000404	0.77	19.72	22.62	0.14
Policy Brook	3	8074.433	002 Year	51.70	117.94	120.15	118.52	120.17	0.000254	1.00	56.23	76.64	0.13
Policy Brook	3	8074.433	010 Year	244.10	117.94	121.73	119.55	121.78	0.000458	1.88	232.24	426.83	0.19
Policy Brook	3	8074.433	025 Year	379.10	117.94	123.55	120.21	123.57	0.000172	1.57	457.22	1118.11	0.12
Policy Brook	3	7488.432	001 Year	16.00	116.30	118.46		118.49	0.001128	1.47	10.86	9.30	0.24
Policy Brook	3	7488.432	002 Year	53.70	116.30	119.80		119.84	0.001939	1.62	33.24	39.92	0.31
Policy Brook	3	7488.432	010 Year	249.50	116.30	121.40		121.44	0.000730	1.86	259.84	298.18	0.22
Policy Brook	3	7488.432	025 Year	384.90	116.30	123.50		123.51	0.000062	0.86	1241.27	638.94	0.07
Policy Brook	3	6591.132	001 Year	16.00	115.13	118.05	116.25	118.05	0.000018	0.17	218.13	504.02	0.03
Policy Brook	3	6591.132	002 Year	53.70	115.13	118.32	116.96	118.32	0.000071	0.39	311.22	579.67	0.06
Policy Brook	3	6591.132	010 Year	249.50	115.13	121.28	117.80	121.28	0.000006	0.26	2573.58	782.35	0.02
Policy Brook	3	6591.132	025 Year	384.90	115.13	123.45	117.93	123.45	0.000003	0.24	4313.84	829.95	0.02
Policy Brook	3	5852.264	001 Year	102.80	114.17	116.82	116.82	117.48	0.018365	6.53	15.75	11.91	1.00
Policy Brook	3	5852.264	002 Year	251.10	114.17	117.59	117.56	117.69	0.003653	3.80	222.71	596.39	0.48
Policy Brook	3	5852.264	010 Year	727.30	114.17	121.27	117.81	121.27	0.000013	0.46	3616.71	1071.72	0.03
Policy Brook	3	5852.264	025 Year	1092.80	114.17	123.44	117.93	123.44	0.000006	0.40	6069.39	1185.29	0.03
Policy Brook	3	5426.726	001 Year	102.80	113.62	116.02	115.23	116.06	0.000967	1.57	73.99	78.00	0.24
Policy Brook	3	5426.726	002 Year	251.10	113.62	117.12	115.71	117.16	0.000581	1.83	167.19	92.26	0.21
Policy Brook	3	5426.726	010 Year	727.30	113.62	121.25	116.58	121.26	0.000051	1.05	1449.68	594.19	0.07
Policy Brook	3	5426.726	025 Year	1092.80	113.62	123.43	117.04	123.44	0.000018	0.77	2919.18	797.38	0.05
Policy Brook	3	4930.878	001 Year	102.80	112.98	114.97	114.45	115.13	0.004908	3.22	31.94	28.05	0.53
Policy Brook	3	4930.878	002 Year	251.10	112.98	116.59	115.22	116.71	0.001572	2.78	90.46	41.97	0.33
Policy Brook	3	4930.878	010 Year	727.30	112.98	121.13	116.53	121.20	0.000251	2.28	351.50	74.88	0.16
Policy Brook	3	4930.878	025 Year	1092.80	112.98	123.35	117.26	123.41	0.000159	2.21	804.86	521.95	0.13
Policy Brook	3	4870.725	001 Year	102.80	112.90	114.64	114.09	114.85	0.004180	3.62	28.93	20.26	0.51
Policy Brook	3	4870.725	002 Year	251.10	112.90	116.32	114.91	116.57	0.001992	4.07	68.19	26.94	0.40
Policy Brook	3	4870.725	010 Year	727.30	112.90	120.93	116.75	121.14	0.000601	4.03	223.74	165.77	0.25
Policy Brook	3	4870.725	025 Year	1092.80	112.90	123.34	117.85	123.40	0.000199	2.78	942.49	441.51	0.15
Policy Brook	3	4840.379	Culvert										
Policy Brook	3	4810.343	001 Year	102.80	111.72	114.52	113.03	114.65	0.001696	2.89	36.30	15.84	0.31
Policy Brook	3	4810.343	002 Year	251.10	111.72	115.37	114.08	115.79	0.003889	5.25	51.51	20.05	0.49
Policy Brook	3	4810.343	010 Year	727.30	111.72	116.98	116.54	118.27	0.007808	9.56	88.67	28.02	0.74
Policy Brook	3	4810.343	025 Year	1092.80	111.72	117.62	117.62	119.71	0.011132	12.33	103.99	31.03	0.90
Policy Brook	3	4749.749	001 Year	102.80	111.63	114.52	112.93	114.55	0.000487	1.44	71.21	36.49	0.18
Policy Brook	3	4749.749	002 Year	251.10	111.63	115.45	113.57	115.53	0.000801	2.30	120.09	80.16	0.25
Policy Brook	3	4749.749	010 Year	727.30	111.63	117.49	114.92	117.59	0.000573	2.83	379.21	153.38	0.23
Policy Brook	3	4749.749	025 Year	1092.80	111.63	118.48	115.85	118.58	0.000532	3.09	549.51	187.22	0.23
Policy Brook	3	3785.535	001 Year	102.80	110.12	113.61	112.50	113.70	0.001949	2.53	53.06	82.81	0.35
Policy Brook	3	3785.535	002 Year	251.10	110.12	114.52	113.74	114.57	0.001225	2.33	190.00	209.09	0.29
Policy Brook	3	3785.535	010 Year	727.30	110.12	117.29	114.54	117.30	0.000142	1.36	820.50	239.59	0.11
Policy Brook	3	3785.535	025 Year	1092.80	110.12	118.28	114.84	118.30	0.000144	1.56	1066.38	261.05	0.12
Policy Brook	3	3561.745	001 Year	102.80	109.77	113.06		113.17	0.003017	3.04	49.70	60.82	0.42
Policy Brook	3	3561.745	002 Year	251.10	109.77	114.23		114.28	0.001422	2.41	196.08	249.16	0.30
Policy Brook	3	3561.745	010 Year	727.30	109.77	117.27		117.28	0.000096	1.12	999.27	277.67	0.09
Policy Brook	3	3561.745	025 Year	1092.80	109.77	118.26		118.27	0.000102	1.31	1282.32	294.78	0.10
Policy Brook	3	3496.305	001 Year	102.80	109.67	112.80		112.91	0.005396	2.71	39.57	54.67	0.53

Proposed with Modification to Main Street.rep													
Policy	Brook	3	3496.305	002 Year	251.10	109.67	114.17	114.21	0.000770	1.74	189.22	188.25	0.23
Policy	Brook	3	3496.305	010 Year	727.30	109.67	117.26	117.27	0.000080	1.09	988.18	277.02	0.09
Policy	Brook	3	3496.305	025 Year	1092.80	109.67	118.25	118.27	0.000086	1.28	1269.74	292.67	0.09
Policy	Brook	3	3451.305	001 Year	104.40	109.60	112.78	110.72	0.000500	1.63	66.52	76.16	0.18
Policy	Brook	3	3451.305	002 Year	253.80	109.60	114.07	111.63	0.000641	2.46	113.26	94.50	0.22
Policy	Brook	3	3451.305	010 Year	730.10	109.60	117.05	113.31	0.000597	3.51	239.89	225.59	0.24
Policy	Brook	3	3451.305	025 Year	1098.80	109.60	118.20	114.14	0.000230	2.42	926.16	329.08	0.15
Policy	Brook	3	3420.783		Culvert								
Policy	Brook	3	3390.376	001 Year	104.40	109.74	112.70	110.86	0.000692	1.93	54.15	21.60	0.21
Policy	Brook	3	3390.376	002 Year	253.80	109.74	113.78	111.70	0.001313	3.23	78.50	24.01	0.31
Policy	Brook	3	3390.376	010 Year	730.10	109.74	115.83	113.52	0.002262	5.81	125.70	33.70	0.44
Policy	Brook	3	3390.376	025 Year	1098.80	109.74	116.51	114.50	0.003470	7.78	141.30	39.63	0.55
Policy	Brook	3	3330.329	001 Year	104.40	109.71	112.53	111.74	0.003202	2.99	34.87	24.42	0.44
Policy	Brook	3	3330.329	002 Year	253.80	109.71	113.62	112.61	0.003842	3.65	69.79	45.56	0.50
Policy	Brook	3	3330.329	010 Year	730.10	109.71	116.03	114.29	0.000404	1.96	564.76	253.63	0.18
Policy	Brook	3	3330.329	025 Year	1098.80	109.71	116.92	114.72	0.000337	2.08	792.33	260.73	0.17
Policy	Brook	3	2176.204	001 Year	104.40	109.02	112.05	110.59	0.000180	0.80	256.50	229.13	0.11
Policy	Brook	3	2176.204	002 Year	253.80	109.02	113.40	111.08	0.000092	0.85	614.91	333.01	0.09
Policy	Brook	3	2176.204	010 Year	730.10	109.02	115.89	111.74	0.000067	1.08	1587.32	580.62	0.08
Policy	Brook	3	2176.204	025 Year	1098.80	109.02	116.78	112.14	0.000069	1.22	2377.41	679.45	0.08
Policy	Brook	3	1257.926	001 Year	104.40	108.48	111.81	109.80	0.000329	1.25	85.51	179.98	0.15
Policy	Brook	3	1257.926	002 Year	253.80	108.48	113.24	110.56	0.000259	1.57	287.48	373.00	0.15
Policy	Brook	3	1257.926	010 Year	730.10	108.48	115.78	112.03	0.000168	1.81	1018.19	647.62	0.13
Policy	Brook	3	1257.926	025 Year	1098.80	108.48	116.65	112.81	0.000201	2.17	1300.11	766.09	0.15
Policy	Brook	3	177.2269	001 Year	104.40	108.45	111.32	109.76	0.000601	1.59	65.85	34.31	0.20
Policy	Brook	3	177.2269	002 Year	253.80	108.45	112.79	110.47	0.000601	2.10	121.05	49.09	0.21
Policy	Brook	3	177.2269	010 Year	730.10	108.45	115.37	111.85	0.000601	2.80	322.00	256.96	0.23
Policy	Brook	3	177.2269	025 Year	1098.80	108.45	116.20	112.63	0.000600	3.13	561.46	425.25	0.24
Policy	Backwater	1	796.3802	001 Year	1.00	124.80	125.28	124.89	0.000132	0.27	3.69	8.73	0.07
Policy	Backwater	1	796.3802	002 Year	1.00	124.80	125.28	124.89	0.000132	0.27	3.69	8.73	0.07
Policy	Backwater	1	796.3802	010 Year	1.00	124.80	125.28	124.89	0.000132	0.27	3.69	8.73	0.07
Policy	Backwater	1	796.3802	025 Year	1.00	124.80	125.32	124.89	0.000106	0.25	3.98	8.88	0.07
Policy	Backwater	1	759.9449	001 Year	1.00	124.73	125.10	124.83	0.000601	0.49	2.06	6.25	0.15
Policy	Backwater	1	759.9449	002 Year	1.00	124.73	125.10	124.83	0.000601	0.49	2.06	6.25	0.15
Policy	Backwater	1	759.9449	010 Year	1.00	124.73	125.10	124.83	0.000601	0.49	2.06	6.25	0.15
Policy	Backwater	1	759.9449	025 Year	1.00	124.73	125.20	124.83	0.000259	0.37	2.71	6.60	0.10
Policy	Backwater	1	406.3698	001 Year	1.00	124.06	124.34	124.34	0.033946	2.10	0.48	3.36	0.99
Policy	Backwater	1	406.3698	002 Year	1.00	124.06	124.34	124.34	0.033946	2.10	0.48	3.36	0.99
Policy	Backwater	1	406.3698	010 Year	1.00	124.06	124.34	124.34	0.033946	2.10	0.48	3.36	0.99
Policy	Backwater	1	406.3698	025 Year	1.00	124.06	125.18	124.34	0.000023	0.13	7.45	13.50	0.03

Appendix D

Condition Letter of Map Revision Topographic
Work Map



Appendix E

Opinions of Probable Cost

TUSCAN VILLAGE FLOODPLAIN IMPROVEMENTS
HYDROLOGIC AND HYDRAULIC ANALYSIS REPORT
OPINION OF PROBABLE COST
SCENARIO A

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL	SUBTOTAL
LOCATION: CLUFF CROSSING ROAD (8'X20' BOX CULVERT)					
Site Preparation					
Remove Existing Culvert and Headwalls	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
Construction					
Precast Concrete Culvert	LF	50	\$ 2,500.00	\$ 125,000.00	
Precast Concrete Headwalls	SF	550	\$ 75.00	\$ 41,250.00	
Reconstruct Existing Guardrail	LF	140	\$ 50.00	\$ 7,000.00	
Repave Road and Sidewalks	LF	70	\$ 150.00	\$ 10,500.00	
Vertical Granite Curb	LF	140	\$ 40.00	\$ 5,600.00	
				Subtotal	\$ 189,350.00
					\$ 239,350.00
LOCATION: KELLY ROAD (8'X25' BOX CULVERT & RAISE ROAD BY 1.5')					
Site Preparation					
Remove Existing Culvert and Headwalls	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
Construction					
Precast Concrete Culvert	LF	45	\$ 2,500.00	\$ 112,500.00	
Precast Concrete Headwalls	SF	650	\$ 75.00	\$ 48,750.00	
Reconstruct Existing Guardrail	LF	170	\$ 50.00	\$ 8,500.00	
Repave Road and Sidewalks (Raise 1.5')	LF	250	\$ 300.00	\$ 75,000.00	
Vertical Granite Curb	LF	250	\$ 40.00	\$ 10,000.00	
				Subtotal	\$ 254,750.00
					\$ 304,750.00
*General Conditions includes mobilization, traffic control, and erosion control					
				Combined Subtotal	\$ 544,100.00
				*General Conditions 10%	\$ 54,410.00
				Construction Contingency 20%	\$ 108,820.00
				Subtotal	\$ 707,330.00
				Engineering/Design 10%	\$ 70,733.00
				Permits 5%	\$ 35,366.50
				Survey 2%	\$ 14,146.60
				Total	\$ 827,576

Exclusions

Utility removal/relocation
Ledge removal

TUSCAN VILLAGE FLOODPLAIN IMPROVEMENTS
HYDROLOGIC AND HYDRAULIC ANALYSIS REPORT
OPINION OF PROBABLE COST
SCENARIO B

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL	SUBTOTAL
LOCATION: SOUTH BROADWAY (5'X10' BOX CULVERT & RAISE ROAD BY 1')					
Site Preparation					
Remove Existing Culvert and Headwalls	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
Construction					
Precast Concrete Culvert	LF	65	\$ 2,000.00	\$ 130,000.00	
Precast Concrete Headwalls	SF	350	\$ 75.00	\$ 26,250.00	
Reconstruct Existing Guardrail	LF	120	\$ 75.00	\$ 9,000.00	
Repave Road and Sidewalks (Raise 1')	LF	175	\$ 500.00	\$ 87,500.00	
Vertical Granite Curb	LF	175	\$ 40.00	\$ 7,000.00	
				Subtotal	\$ 259,750.00
					\$ 359,750.00
LOCATION: RAILROAD BRIDGE (5'X10' BOX CULVERT)					
Site Preparation					
Remove Existing Culvert and Headwalls	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
Construction					
Precast Concrete Culvert	LF	30	\$ 1,500.00	\$ 45,000.00	
Precast Concrete Headwalls	SF	250	\$ 75.00	\$ 18,750.00	
Reconstruct Existing Guardrail	LF	60	\$ 50.00	\$ 3,000.00	
Reconstruct Railroad Bridge as Required	LF	35	\$ 125.00	\$ 4,375.00	
				Subtotal	\$ 71,125.00
					\$ 96,125.00
*General Conditions includes mobilization, traffic control, and erosion control					
				Combined Subtotal	\$ 455,875.00
				*General Conditions 10%	\$ 45,587.50
				Construction Contingency 20%	\$ 91,175.00
				Subtotal	\$ 592,637.50
				Engineering/Design 10%	\$ 59,263.75
				Permits 5%	\$ 29,631.88
				Survey 2%	\$ 11,852.75
				Total	\$ 693,386

Exclusions

Utility removal/relocation
Ledge removal

TUSCAN VILLAGE FLOODPLAIN IMPROVEMENTS
HYDROLOGIC AND HYDRAULIC ANALYSIS REPORT
OPINION OF PROBABLE COST
MAIN STREET

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL	SUBTOTAL
LOCATION: MAIN STREET (3'X12' BOX CULVERT)					
Site Preparation					
Remove Existing Culvert and Headwalls	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
Construction					
Precast Concrete Culvert	LF	350	\$ 1,750.00	\$ 612,500.00	
Precast Concrete Headwalls	SF	150	\$ 75.00	\$ 11,250.00	
Reconstruct Existing Guardrail	LF	40	\$ 50.00	\$ 2,000.00	
Repave Road and Sidewalks	LF	40	\$ 150.00	\$ 6,000.00	
Trench Patch ¹²	LF	310	\$ 100.00	\$ 31,000.00	
Trench Stream Channel ¹²	LF	400	\$ 350.00	\$ 140,000.00	
Vertical Granite Curb	LF	80	\$ 40.00	\$ 3,200.00	
				Subtotal	\$ 805,950.00
					\$ 855,950.00
				Combined Subtotal	\$ 855,950.00
				*General Conditions 10%	\$ 85,595.00
				Construction Contingency 20%	\$ 171,190.00
				Subtotal	\$ 1,112,735.00
				Engineering/Design 10%	\$ 111,273.50
				Permits 5%	\$ 55,636.75
				Survey 2%	\$ 22,254.70
				Total	\$ 1,301,900

*General Conditions includes mobilization, traffic control, and erosion control

Exclusions

Utility removal/relocation
Ledge removal

¹The sections of the existing culvert that are under existing buildings shall be abandoned. The existing culvert limits will need to be verified and the new box culvert will need to be constructed around the existing buildings, and daylighted to the culvert just south of the existing parking lot. A new stream channel will also need to be constructed to connect back to "Unnamed Brook".

²The construction estimate of the box culvert and channel trench does not include costs associated with easements or property acquisitions.