

APPENDIX G – PRINCE EDWARD COUNTY

Locality Map

Status of Mitigation Actions

Building Permit Data

Land Use Cover Map

Future Land Use Map

Critical Facilities Map

NFIP Survey Results

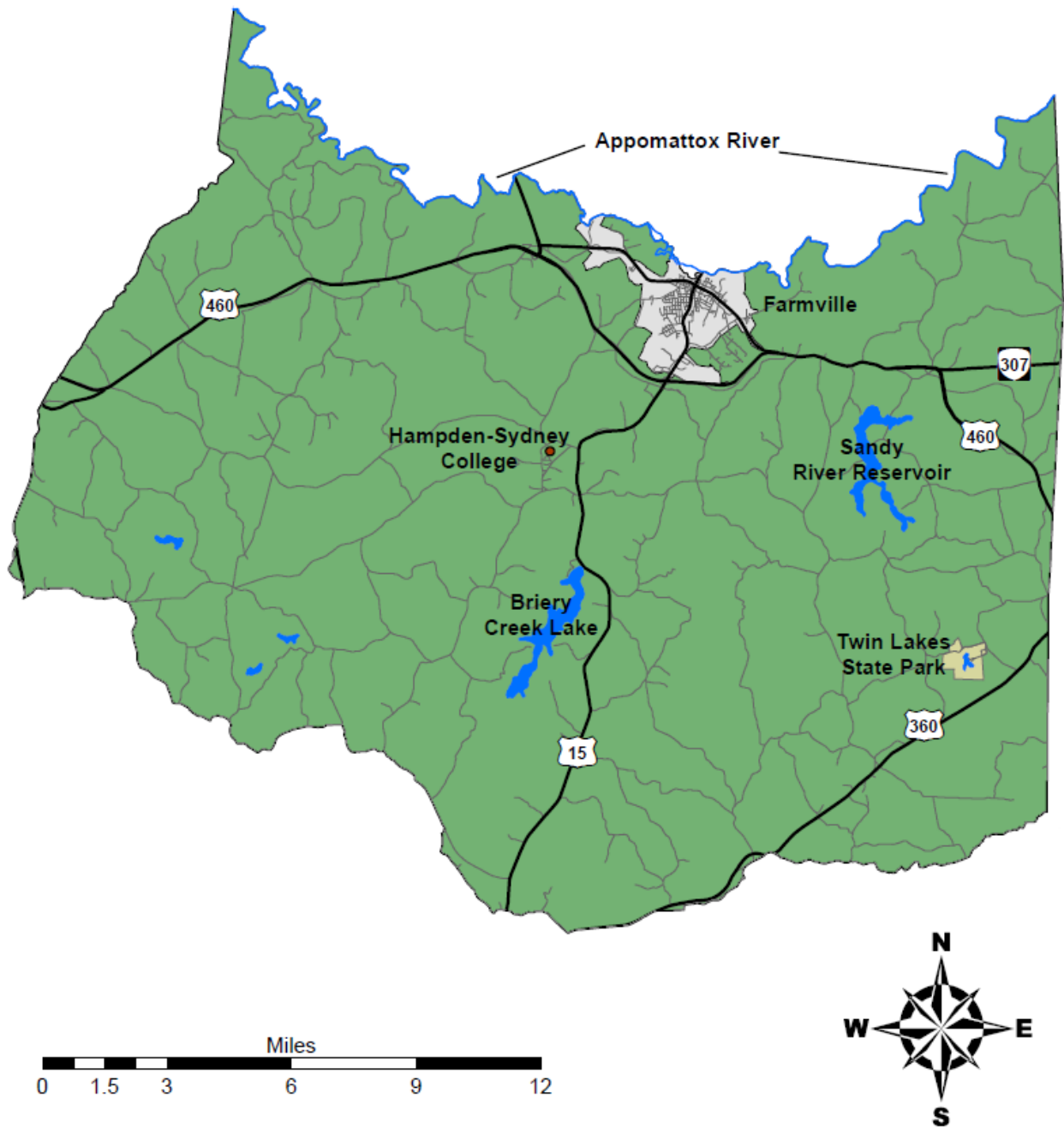
Flood Zone Maps

Dam Inundation Zone Maps

NOTES:

- 1) For this update, the methodology for ranking hazards was changed. Localities were not actually tasked with scoring/ranking covered hazards directly. Table 6.17 in Section 6 of the Plan shows the risk ratings for the region based on quantitative and qualitative analysis as well as anecdotal input from the Project Management Team, but is not based on a locality ranking system. As a result, the "Hazard Ranking" table that appeared in the local appendices for the previous Plan updates has been supplanted by the "Hazard Risk Ratings" table (Table 6.17) in Section 6.
- 2) For the status of mitigation actions, any actions that were removed per previous Plan updates are not shown in this update. This section was also amended to list actions completed per prior Plan updates separately.

Prince Edward County



Map created by CRC – May 2010

Detailed Information/Status of Local Mitigation Actions

(includes detailed data for each action, as requested by FEMA)

Prince Edward County Mitigation Action 1	Update and improve GIS data for tax parcels, public works, existing businesses, and MSAG.
Category:	Prevention
Hazard(s) Addressed:	Multiple
Priority (High, Moderate, Low):	Moderate/High
Estimated Cost:	\$60,000
Potential Funding Sources:	VITA grant
Lead Agency/Department Responsible:	Prince Edward County Administrator's Office
Implementation Schedule:	Dependant on availability of funding
Status: County received grant from VITA in 2009 for this activity. Project ongoing.	
NOTE: This action was amended. It originally read: "Digitize tax maps and implement GIS."	

Prince Edward County Mitigation Action 2	Review all permits for new development and substantial improvements for compliance with the County's ordinances as they relate to flood areas.
Category:	Prevention/Property Protection
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	None
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	County Planning Department, Building Inspector
Implementation Schedule:	Short/near term
Status: Ongoing – enforced through County ordinances	

Prince Edward County Mitigation Action 3	Designate and equip emergency shelters in several existing locations in the County; and install quick-connect system and make building/facility renovations to Central Shelter/State-Managed Pet Shelter location.
Category:	Emergency Services
Hazard(s) Addressed:	Multiple
Priority (High, Moderate, Low):	Moderate/High
Estimated Cost:	Depends on scope of work needed
Potential Funding Sources:	BRIC or HMGP (with local matching funds), USDA RD equipment grant
Lead Agency/Department Responsible:	Prince Edward County Administrator's Office
Implementation Schedule:	Dependent on availability of funding
Status: Need to coordinate with DSS and Red Cross on this.	

Prince Edward County Mitigation Action 4	Install quick-connect system and purchase generator for County fueling system, which serves county government and schools, public safety and public works vehicles.
Category:	Emergency Services
Hazard(s) Addressed:	Multiple
Priority (High, Moderate, Low):	Moderate/High
Estimated Cost:	Approx. \$25,000 for quick-connect, \$15,000 or more for generator (depending on type and size)
Potential Funding Sources:	BRIC or HMGP (with local matching funds), USDA RD equipment grant
Lead Agency/Department Responsible:	Prince Edward County Administrator's Office
Implementation Schedule:	Dependent on availability of funding
Status: No action taken – awaiting funding.	

Prince Edward County Mitigation Action 5	Update regional (Town of Farmville/P.E. County) water supply plan and County Drought Ordinance.
Category:	Prevention
Hazard(s) Addressed:	Drought
Priority (High, Moderate, Low):	Moderate/High
Estimated Cost:	Minimal – staff time
Potential Funding Sources:	Local
Lead Agency/Department Responsible:	Prince Edward County Administrator's Office
Implementation Schedule:	Near term
Status: In progress.	

Prince Edward County Mitigation Action 6	Acquisition and removal of remaining homes in floodplain areas of the County.
Category:	Structural Projects
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$500,000 +/-
Potential Funding Sources:	FEMA – HMGP, BRIC, FMA
Lead Agency/Department Responsible:	County
Implementation Schedule:	Dependant on availability of funding
Status: No action taken – awaiting funding.	

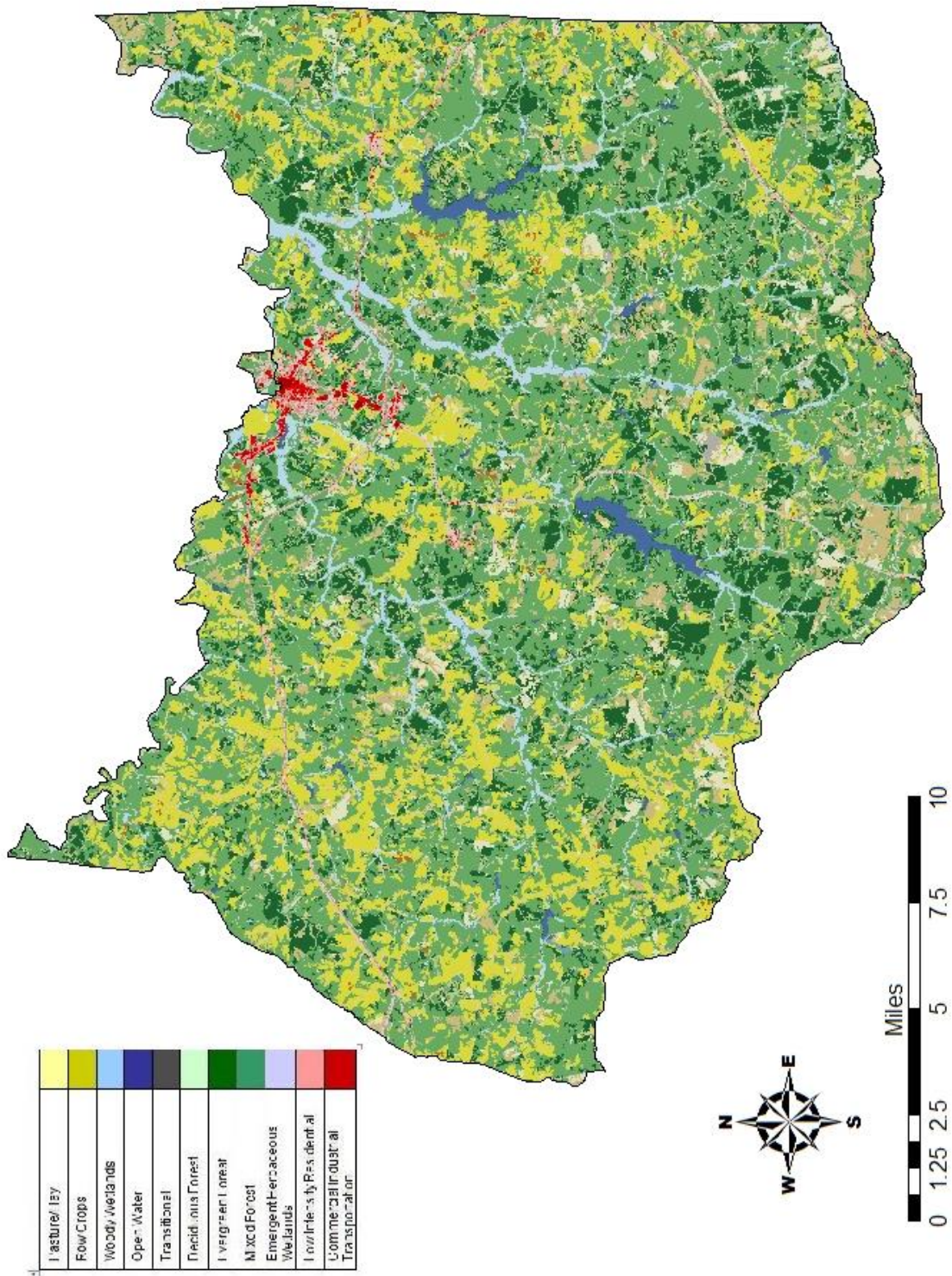
Building Permit Data – Prince Edward County

Year	Residential Permits Issued	Commercial Permits Issued
1997	188	6
1998	202	4
1999	195	9
2000	178	17
2001	148	7
2002	182	11
2003	147	7
2004	158	9
2005	164	16
2006	187	16
2007	161	9
2008	126	3
2009	97	5
2010	72	8
2011	61	15
2012	54	8
2013	63	15
2014	66	12
2015	67	6
2016	68	14
2017	50	8
2018	60	16
2019	59	16
2020	94	16
2021	78	4

NOTE: These numbers do NOT include the Town of Farmville. The Town handles its own building permits.

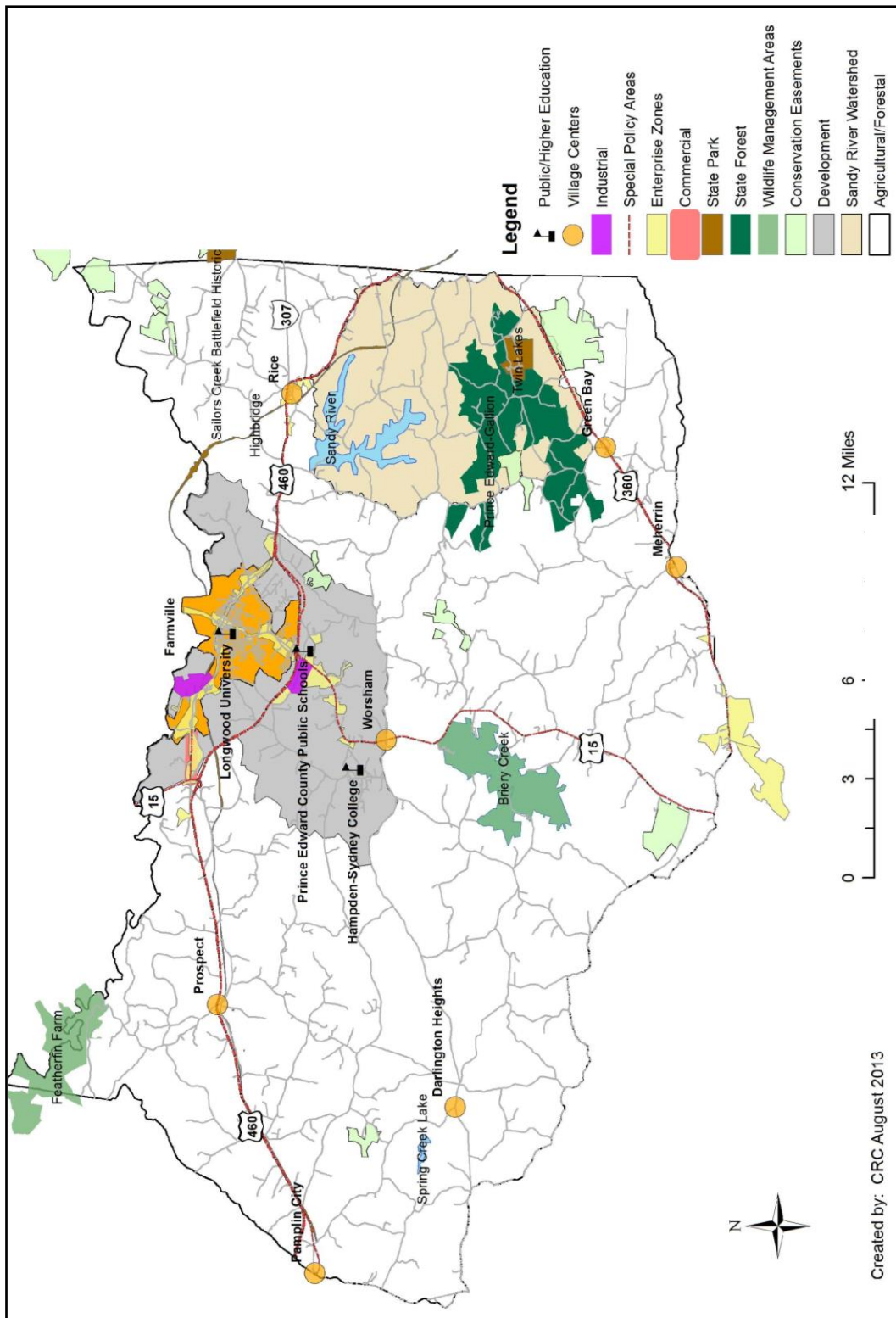
The Prince Edward County Code, Chapter 54, regulates building and permitting in flood hazard areas and references the Virginia Uniform Statewide Building Code. Regulations covered in this chapter include restrictions on what can be built in these areas and requirements on information that must be included with the submittal of a permit application. This chapter also designates the Prince Edward County Director of Planning and Community Development as the County's Floodplain Administrator. Prince Edward County has issued no known permits for new construction in flood prone areas since 2018, indicating no increase in development for these areas.

Prince Edward County/Town of Farmville Land Use Cover Map



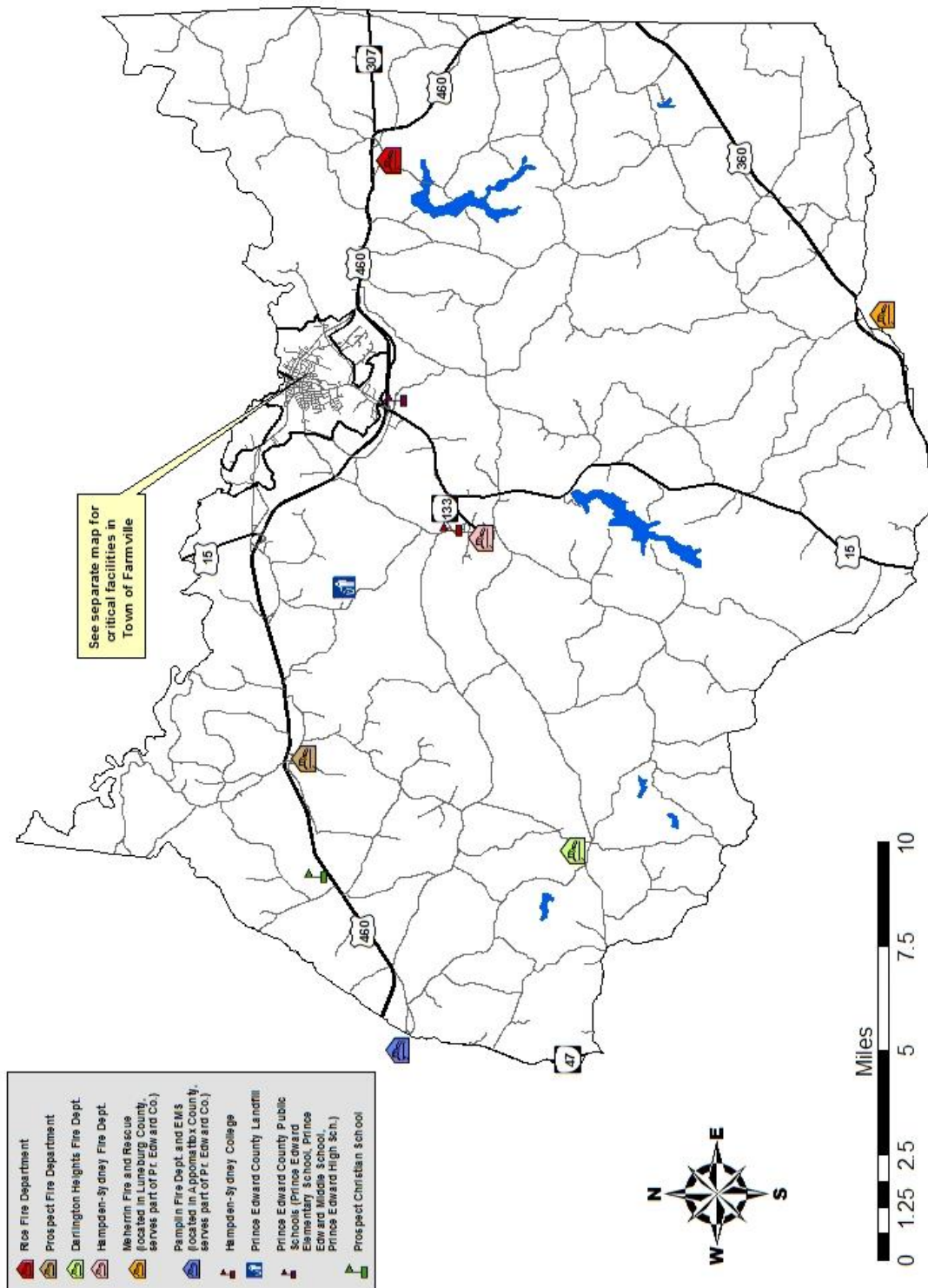
Map created by CRC - October 2015
Source: 2011 National Land Use Cover Dataset

Prince Edward County Future Land Use Map



Map created by CRC – August 2013
Source: Prince Edward County Planning and Zoning

Prince Edward County Critical Facilities Map



Map created by CRC – February 2011 (updated August 2016)
Source: Prince Edward County

NFIP Survey Results

The County was asked to review its previous responses to this survey as part of the Plan update process. County staff advised that there are no changes.

MUNICIPALITY: COUNTY OF PRINCE EDWARD, VIRGINIA

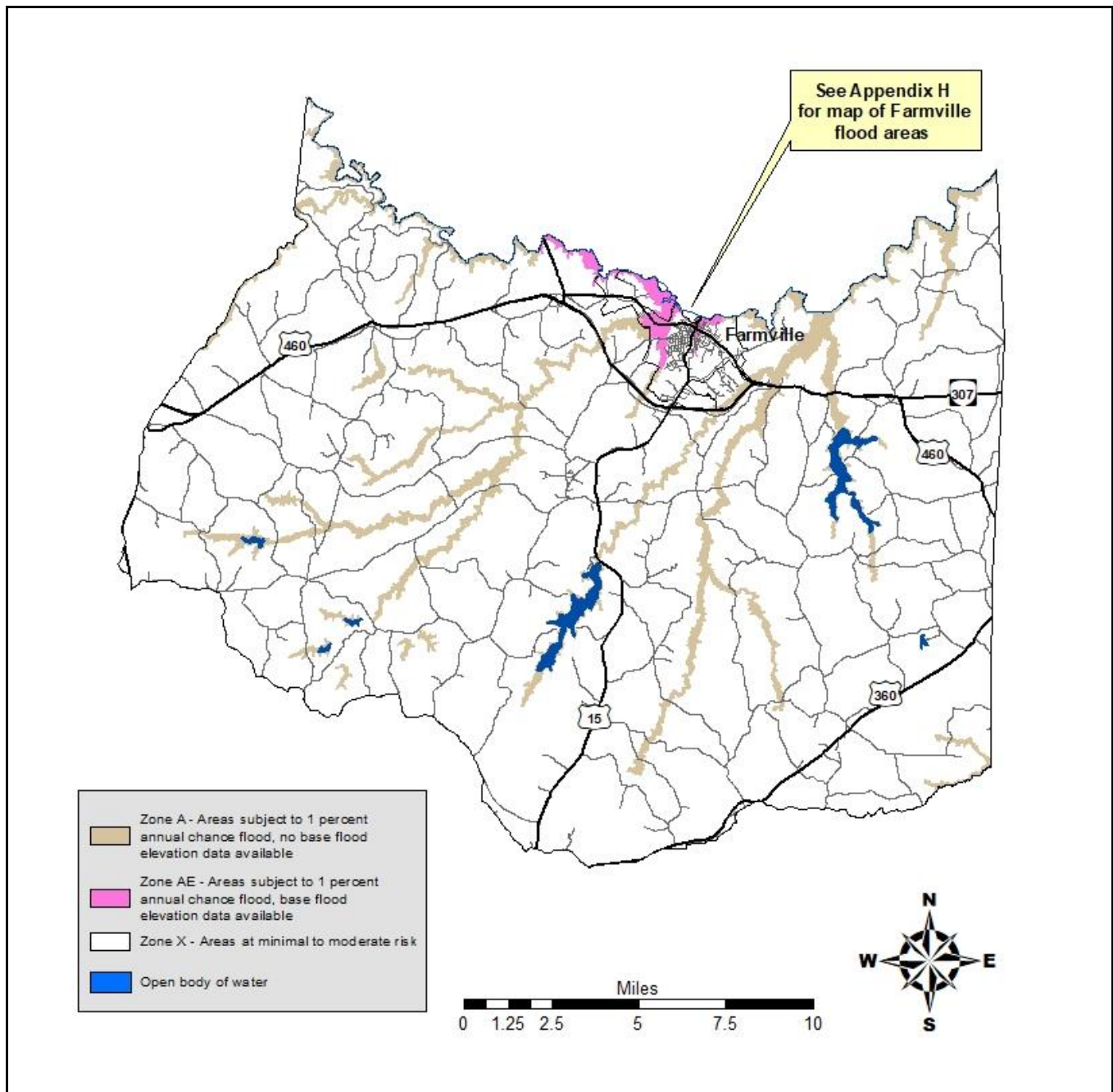
1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	September 8, 2009
c. Does the municipality support request for map updates?	If yes, state how.	Yes	Study and acceptance of the USACE or other qualified agency documents the need and approval by the Federal Insurance Administration.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	Submittal of information to the Federal Insurance Administrator.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	Assist citizens, corporations, etc., by verifying property locations on FIRM Maps.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Planning & Community Development

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Building Office
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Planning & Community Development
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Building Office and Planning & Community Development
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Building Office and Planning & Community Development
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	During plan review process.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include: <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	No	

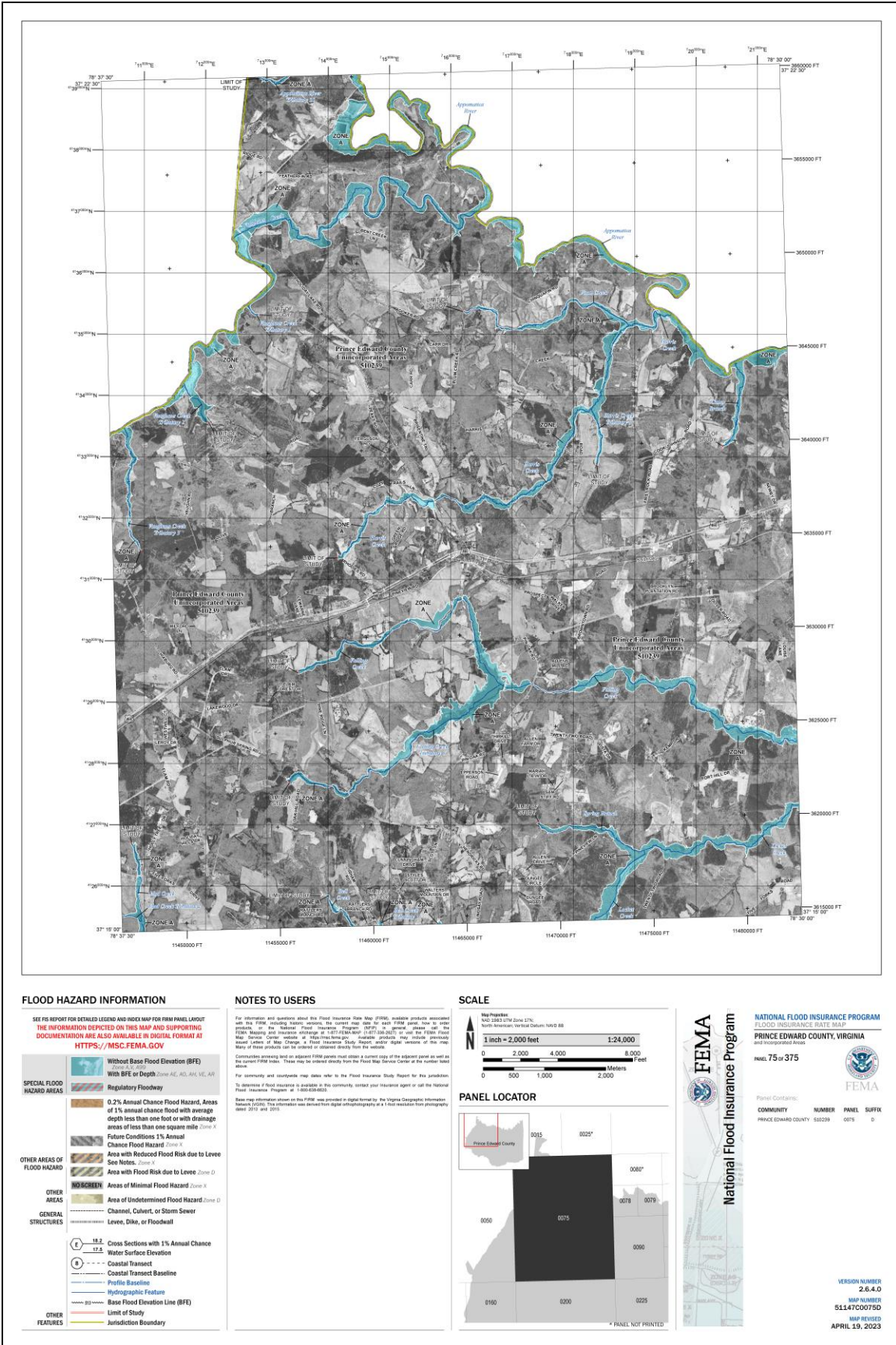
3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	No	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	Help answer questions.

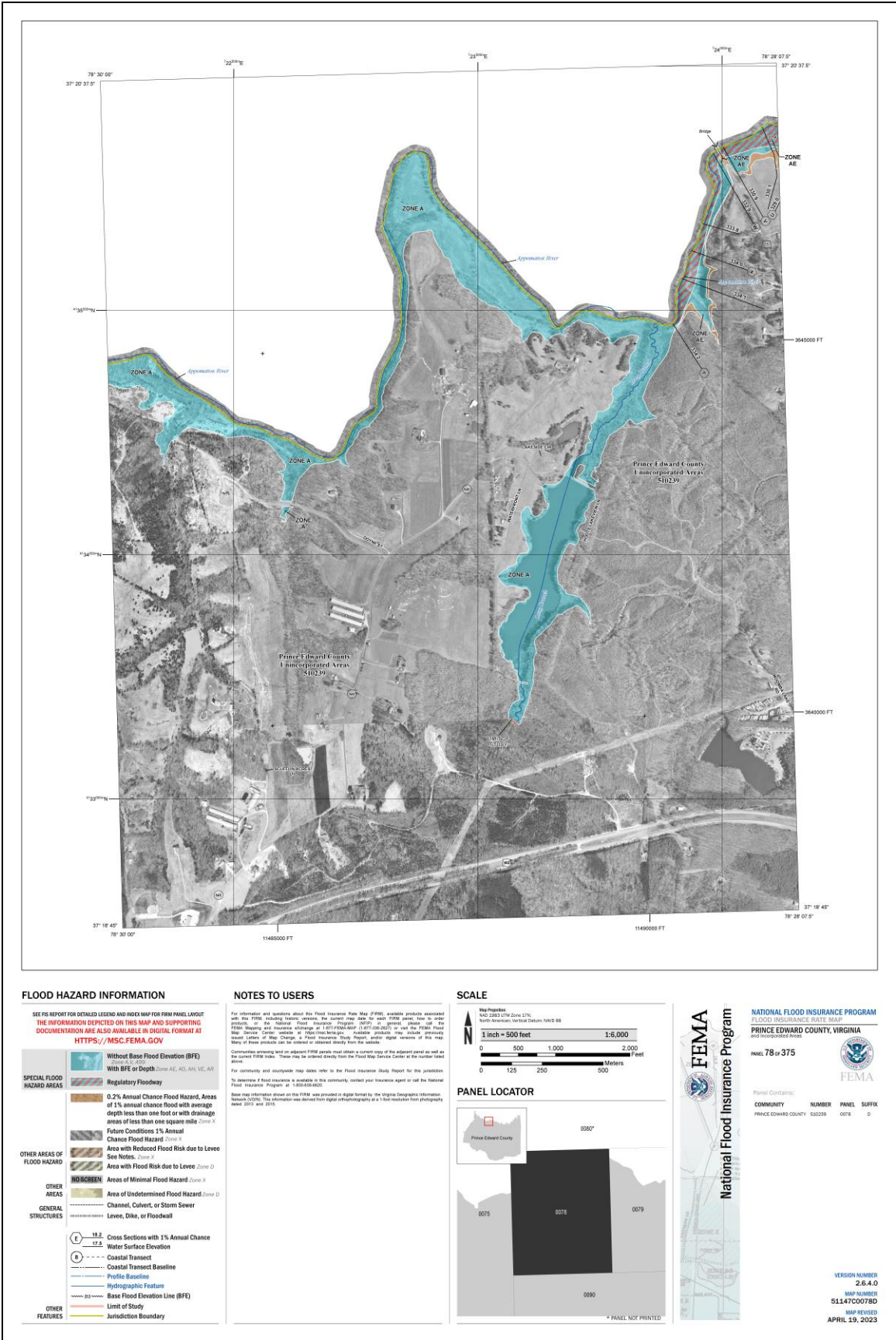
Prince Edward County Flood Zone Map

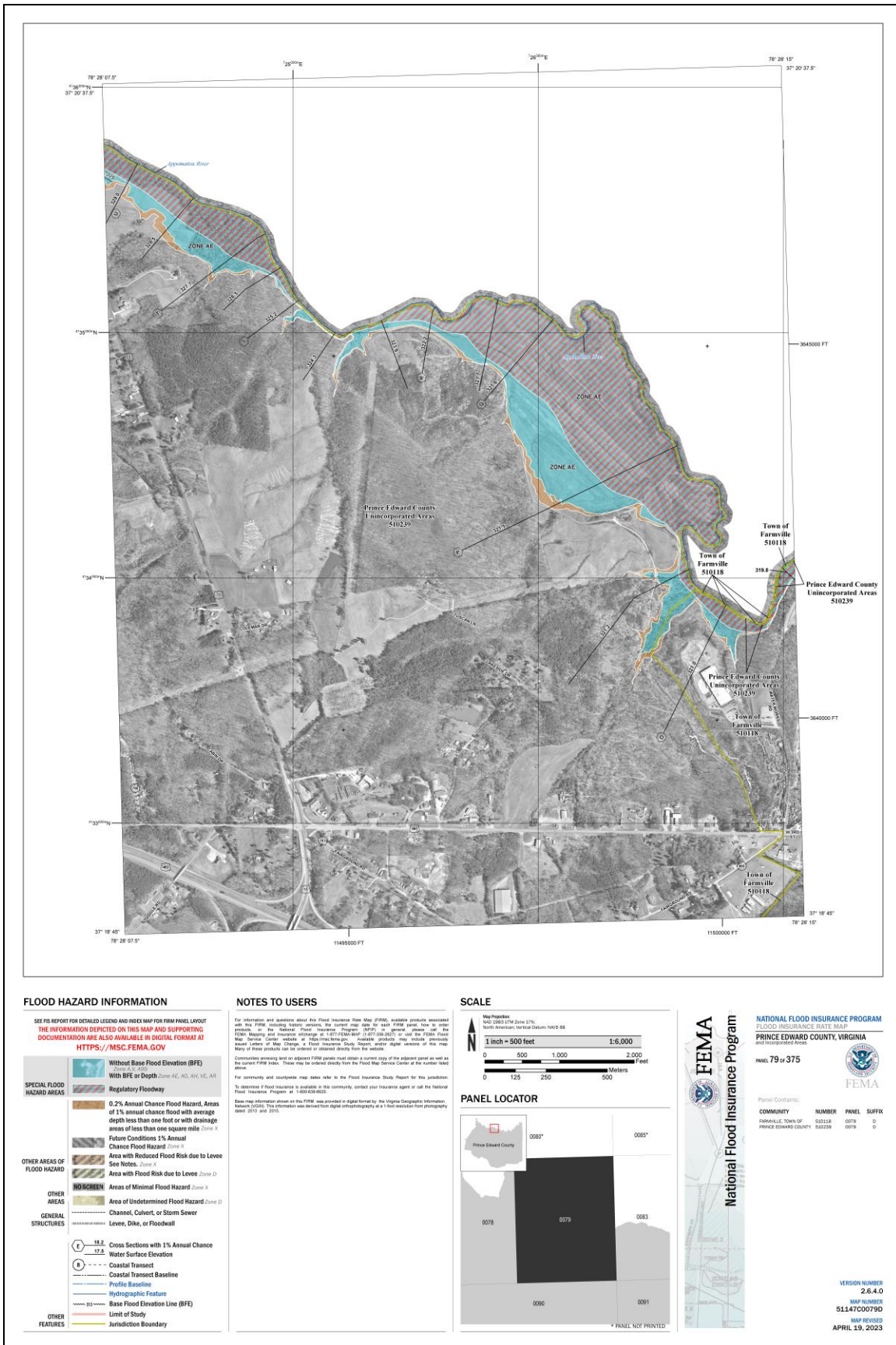


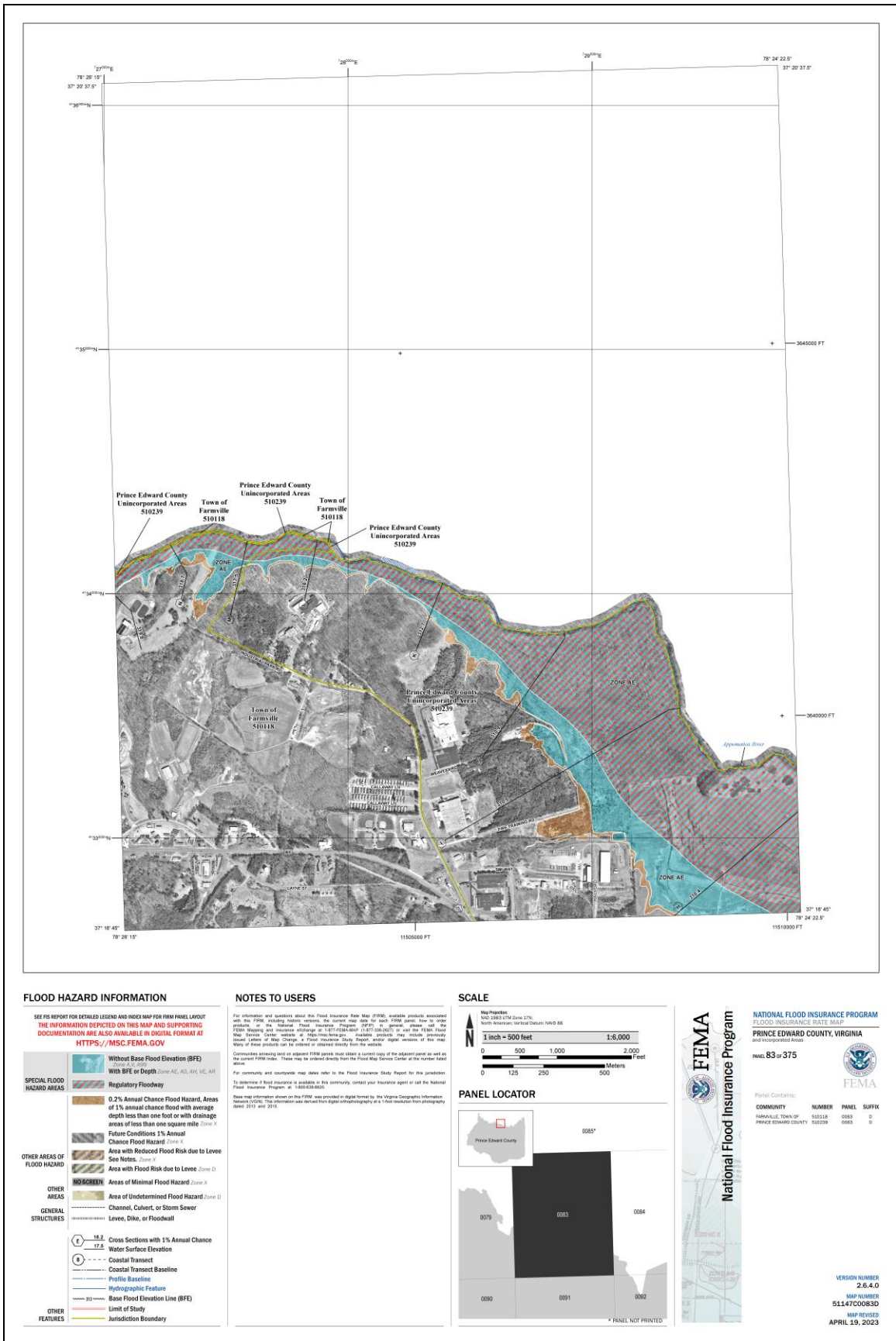
Map created by CRC – July 2022 (Source: FEMA)

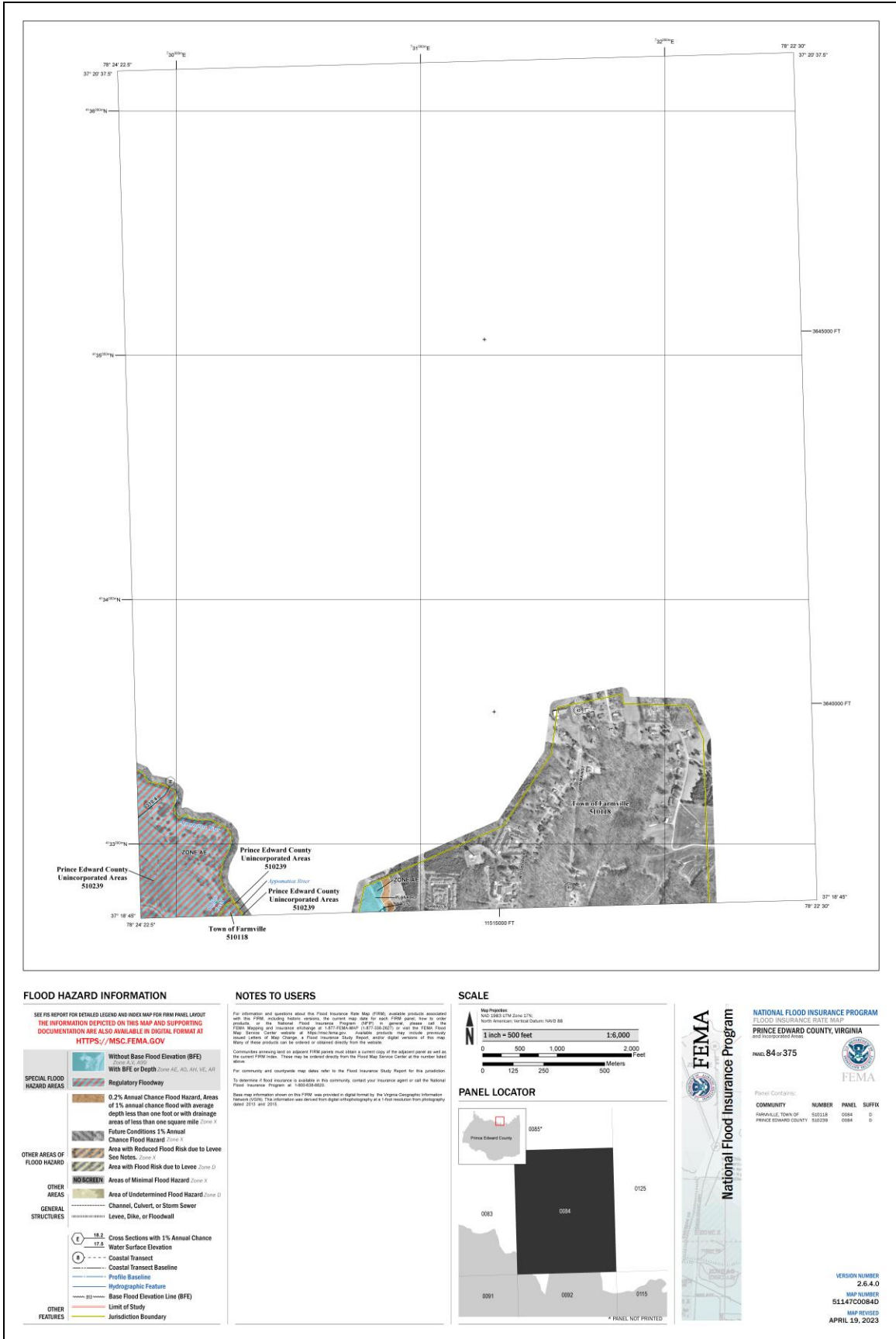
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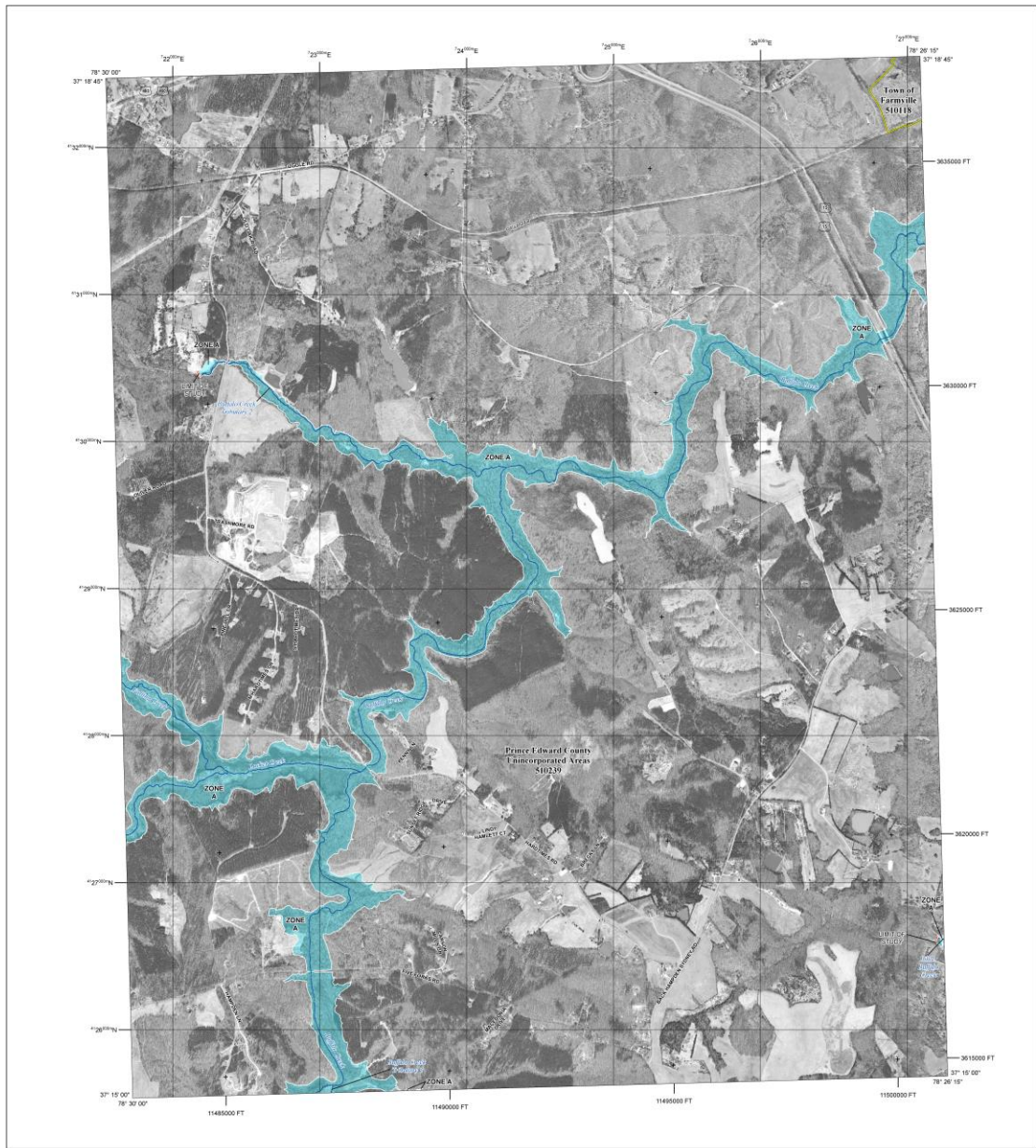






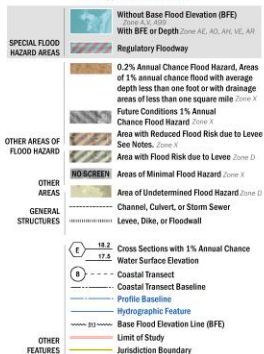






FLOOD HAZARD INFORMATION

SEE THIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT.
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING
DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
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NOTES TO USERS

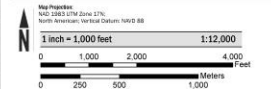
For information and questions about the Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including factors affecting the current map data for your FIRM panel, how to order products, or the National Flood Insurance Program (NFIP), please contact the Flood Insurance Study (FIS) and Insurance Engineering at 1-877-648-6842 (1-877-648-6842). To view the FIRM, Flood Insurance Study, or other products, please visit <https://msc.fema.gov>. Please provide the product number, panel number, and map sheet number of the FIRM, Flood Insurance Study, or other product you are interested in. The map sheet number of the FIRM, Flood Insurance Study, or other product you are interested in may be found on the map sheet or the product's metadata.

Communities entering land adjacent to FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM data. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map data refer to the Flood Insurance Study Report for this jurisdiction. To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-433-8225.

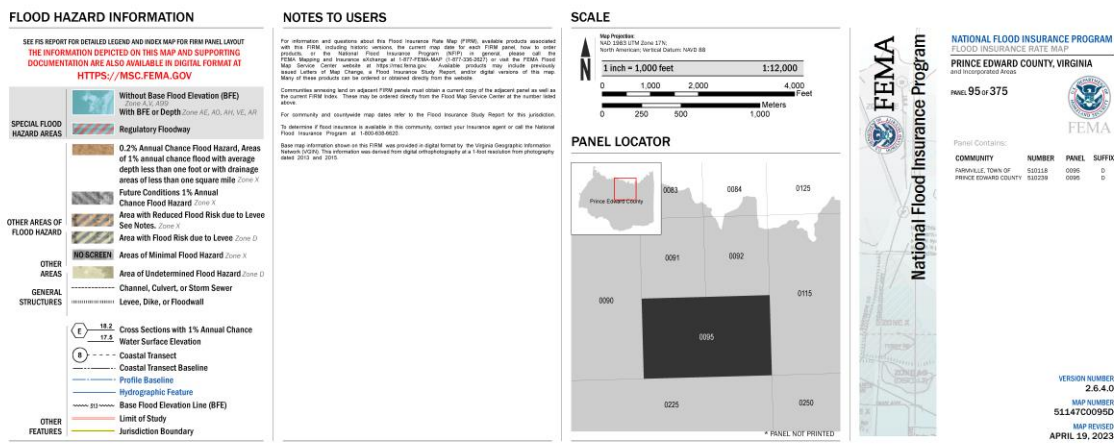
Map data information shown on this FIRM map product is digital data from the National Geographic Information Research Center. This information was derived from digital orthophotography at a resolution from photography dated 2013 and 2015.

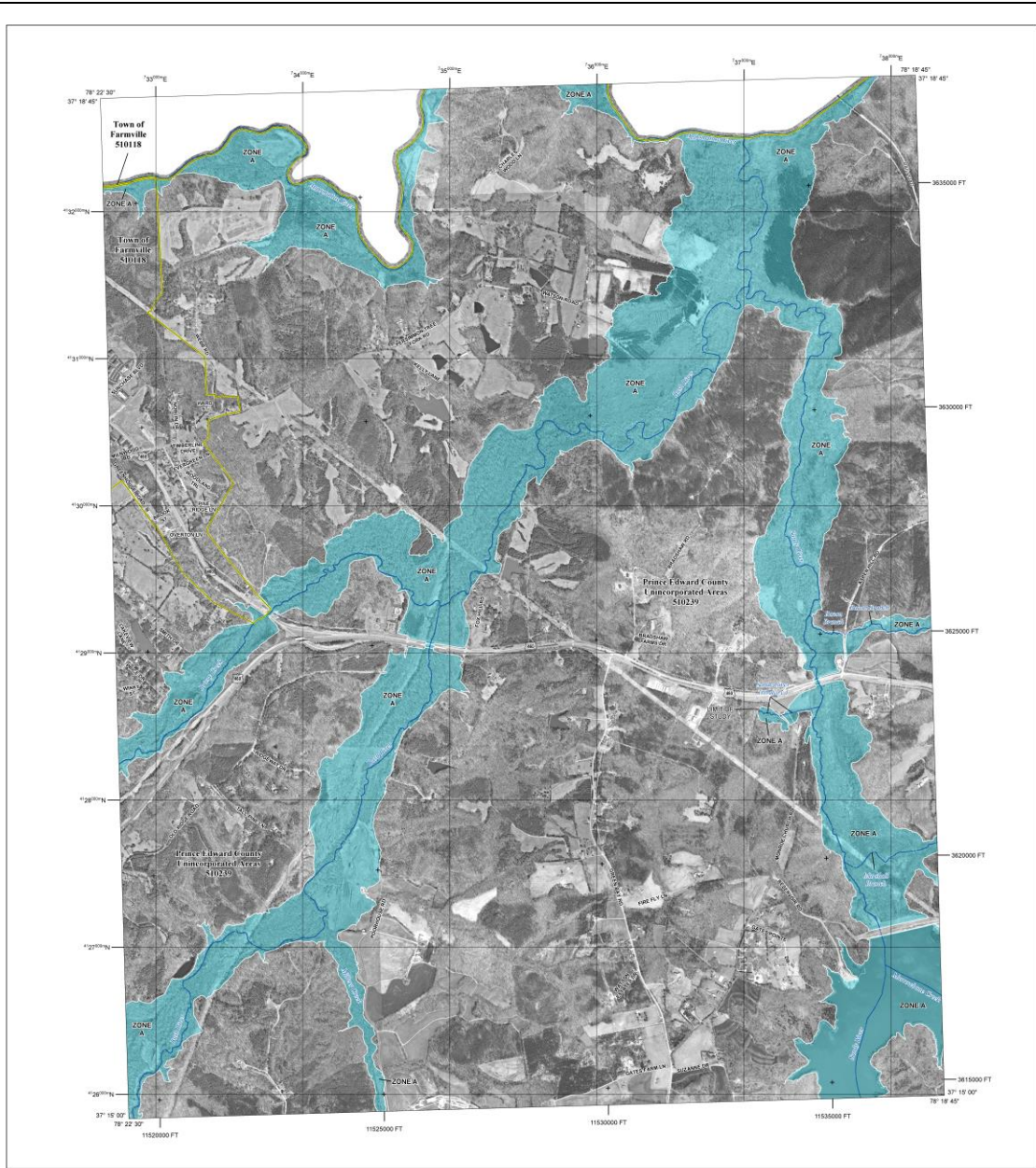
SCALE



PANEL LOCATOR

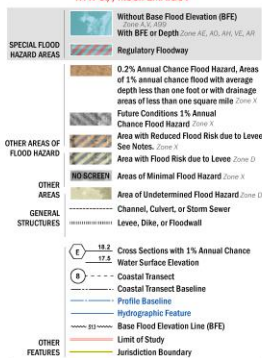






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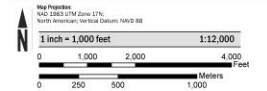
For information and questions about the Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including hazard reports, the current map user should refer to the user's manual, or the National Flood Insurance Program (NFIP) website. In general, please call the Flood Insurance and Information Helpline at 1-877-FIRM-HELP (1-877-347-6253), or visit the Flood Insurance website at <https://www.flood.gov>. For more information, please contact your local community's Flood Insurance Study Report and/or digital version of this map. Many of these products can be obtained or viewed directly from the website.

Communities receiving hard or digital FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

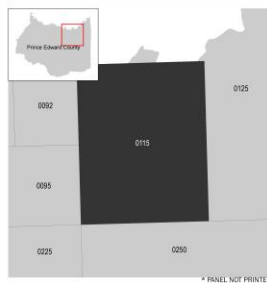
For community and countywide map sales, refer to the Flood Insurance Study Report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-438-6623.

Base map information shown on this FIRM was provided in digital format by the Virginia Geographic Information Network (VGIN). This information was derived from digital orthophotography at a four-inches-to-one-foot scale (2013 and 2015).

SCALE



PANEL LOCATOR



NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP
PRINCE EDWARD COUNTY, VIRGINIA
and Incorporated Areas

Panel 115 of 375



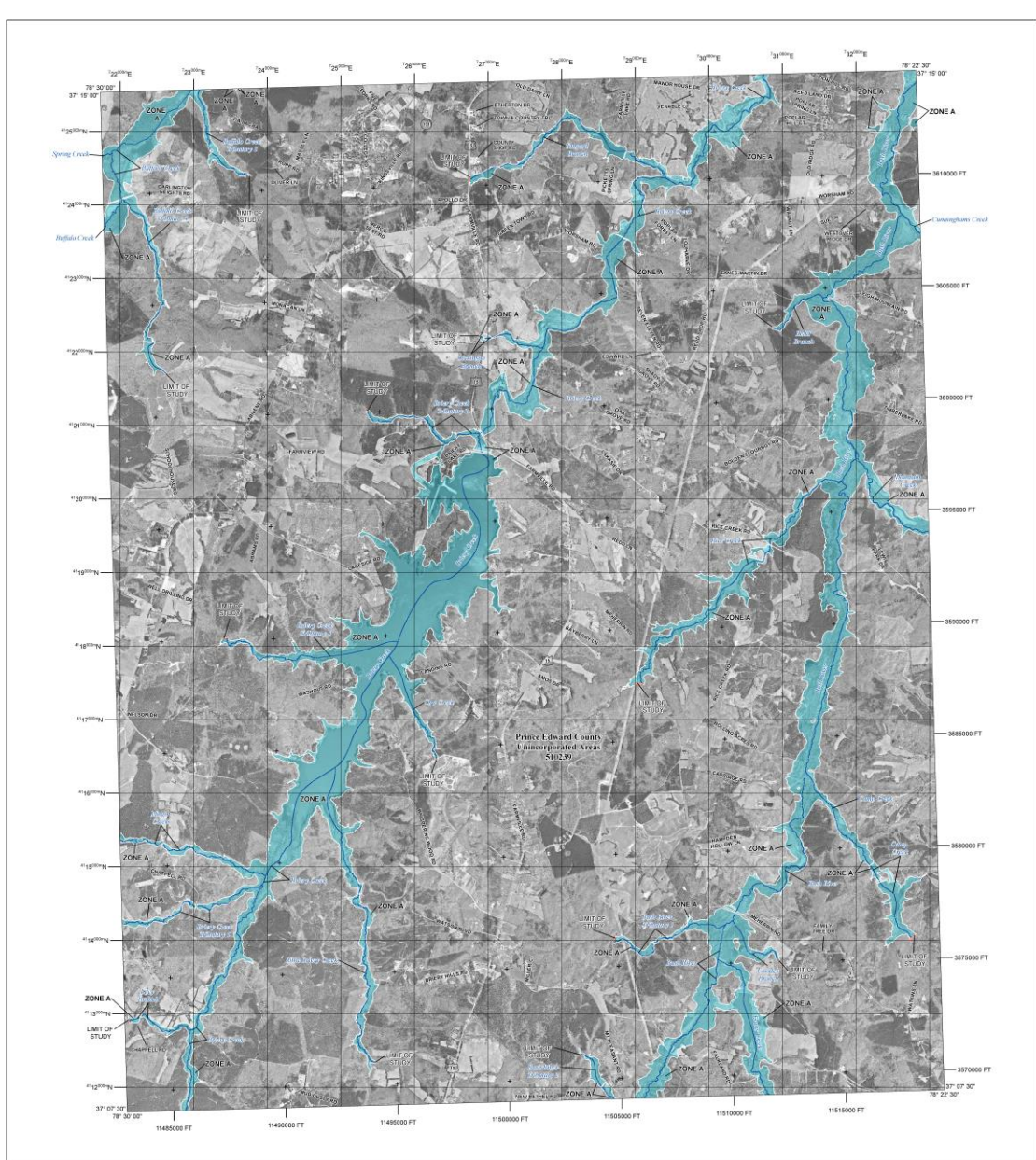
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FARMVILLE, TOWN OF	510118	0115	D
PRINCE EDWARD COUNTY	510239	0115	D

VERSION NUMBER
2.6.4.0
MAP NUMBER
5114TC0115D
MAP REVISED
APRIL 19, 2023

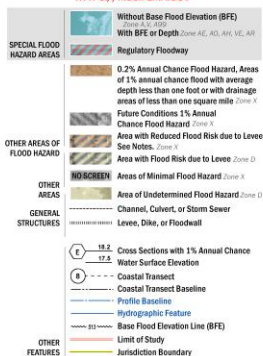
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G-29



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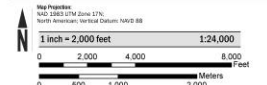
For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including but not limited to the current and past FIRM panels, please refer to the products on the National Flood Insurance Program (NFIP) website. In general, please call the NFIP helpline and insurance exchange at 1-877-FEMA-8282 (1-877-362-8282) to view the FIRM Flood Map, National Flood Hazard, or other products. Additional products may include previous versions of the Flood Map, Change of Flood Insurance Study Report, and/or digital versions of this map. Maps or other products may be printed or obtained directly from the website.

Communities entering land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be obtained directly from the Flood Map Service Center at the number listed above.

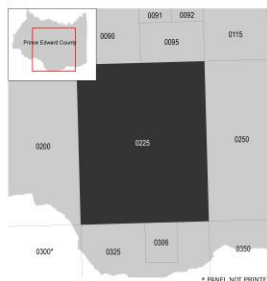
For community and countywide map data sales to the Flood Insurance Study Report for this jurisdiction, by telephone if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6623.

Base map information shown on this FIRM was produced in digital format by the highest geographic information system (GIS) data available. This information was derived from digital orthophotography at a 1:60,000 resolution from photography taken 2012 and 2015.

SCALE



PANEL LOCATOR



FEMA
National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP
PRINCE EDWARD COUNTY, VIRGINIA
AND INCORPORATED AREAS

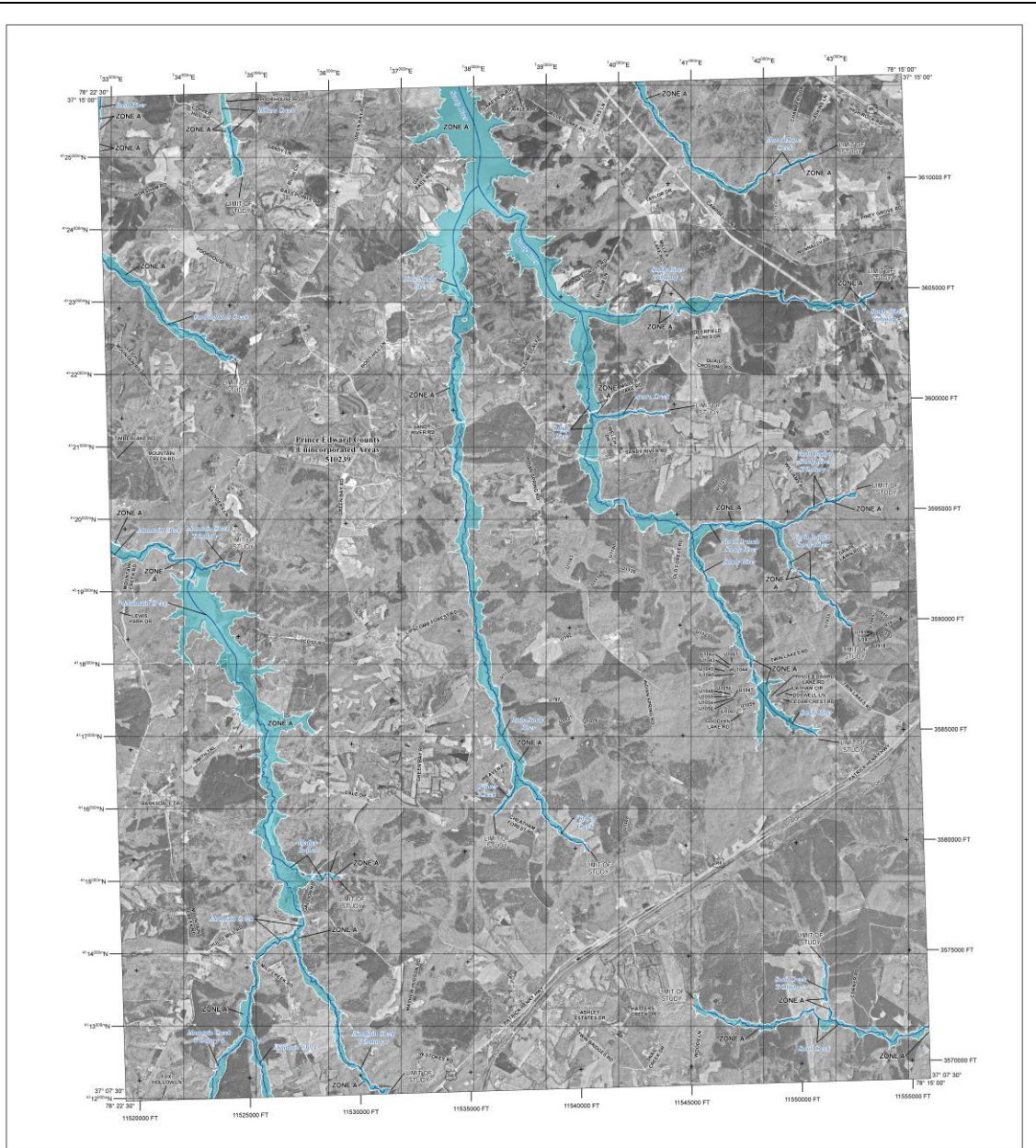
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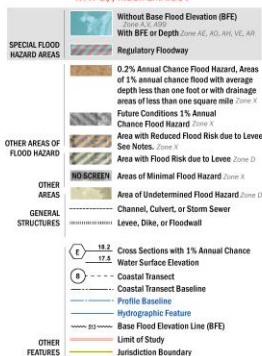
COMMUNITY NUMBER PANEL SUFFIX
PRINCE EDWARD COUNTY 50029 0005 0

VERSION NUMBER
2.6.4.0
MAP NUMBER
5114TC02250
MAP REVISED
APRIL 19, 2023



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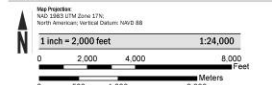
For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including historic versions, the current map date for each FIRM panel, please refer to the products in the National Flood Insurance Program (NFIP) or, in general, please call the FEMA National Flood Insurance Program at 1-877-FEMA-6625 (1-877-366-2625) or visit the FEMA National Flood Insurance Program website at <https://www.fema.gov/nfip>. Additional products may include previous versions of this map, or other products that may be related to this map. The map date of this product is the date of the most recent update to the map.

Communities entering land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the location listed above.

For community and countywide map data, refer to the Flood Insurance Study Report for this jurisdiction. To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-8620.

Base map information shown on this FIRM was provided in digital format by the Virginia Geographic Information Network (VGIN). This information was derived from digital orthophotography at a 1-foot resolution from photography dated 2010 and 2015.

SCALE



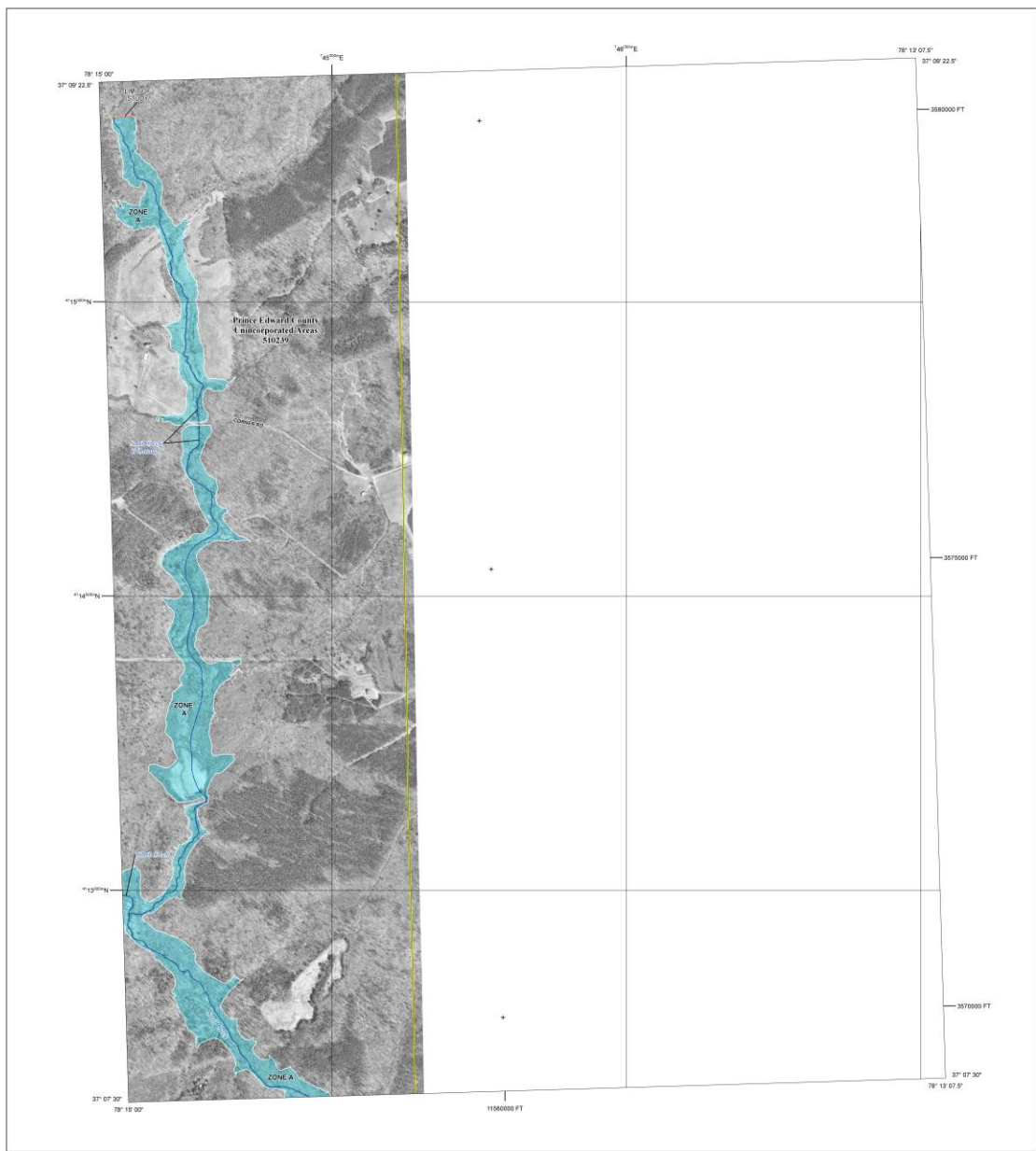
PANEL LOCATOR



NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP
 PRINCE EDWARD COUNTY, VIRGINIA
 AND INCORPORATED AREAS
 PANEL 250 of 375

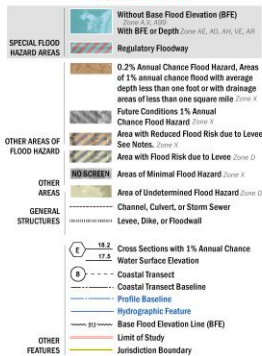
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VERSION NUMBER
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 MAP NUMBER
 5114TC02500
 MAP REVISED
 APRIL 19, 2023



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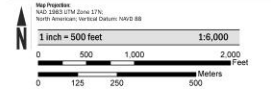
For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including historic versions, the current map data for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP), in general, please call the Flood Inquiry and Assistance Center at 1-877-624-6246 (1-877-624-6246) or visit the FIRM Flood Map Service Center website at floodmaps.fema.gov. Additional products may include preliminary Flood Insurance Study (FIS) maps, Flood Insurance Study (FIS) maps, and digital versions of this map. None of these products can be relied on without first being verified.

Communities planning to adopt FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map data, refer to the Flood Insurance Study Report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-433-8620.

Map data information shown on this FIRM was provided in digital format by the Virginia Geographic Information Network (VGIN). This information was derived from digital orthophotography at a 1-foot resolution from photography taken 2015 and 2016.

SCALE



PANEL LOCATOR

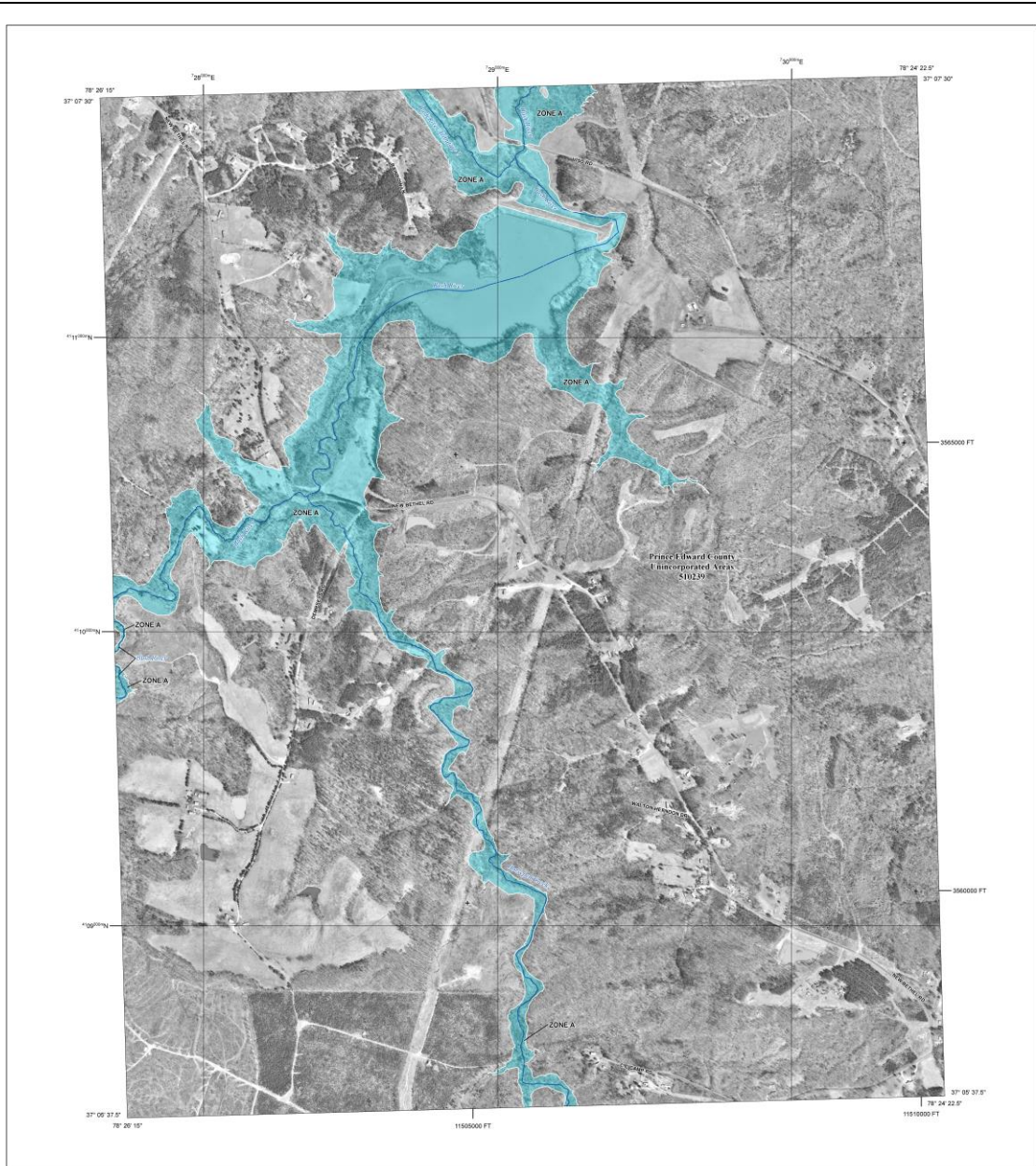


NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP
 PRINCE EDWARD COUNTY, VIRGINIA
 and Incorporated Areas
 Panel: 263 or 375

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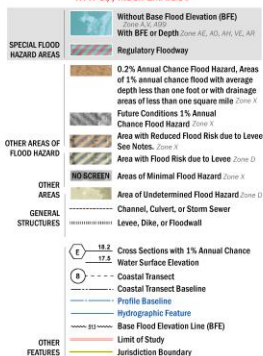
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VERSION NUMBER
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 MAP NUMBER
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 MAP REVISION
 APRIL 19, 2023



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NOTES TO USERS

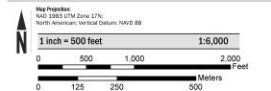
For information and questions about the Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including future updates, the current year map for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP), in general, please call the FEMA National Flood Insurance Program at 1-877-586-8226 or visit the FEMA Flood Insurance Program website at <https://www.fema.gov/nfip>. Additional products and information are available on the FEMA website. For more information, please contact your local emergency management agency or the FEMA Regional Office. For more information, please contact your local emergency management agency or the FEMA Regional Office. For more information, please contact your local emergency management agency or the FEMA Regional Office.

Communities seeking to join the NFIP must submit a current copy of the adjacent panel as well as the current FIRM data. These may be obtained directly from the Flood Map Service Center or the member local office.

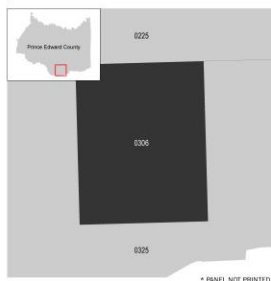
For community and individual map data refer to the Flood Insurance Study Panel for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-8623.

Data map information shown on this FIRM was provided in digital format by the Virginia Geographic Information Network (VGIN). This information was derived from digital orthophotography at a resolution from photography dated 2013 and 2015.

SCALE



PANEL LOCATOR



National Flood Insurance Program

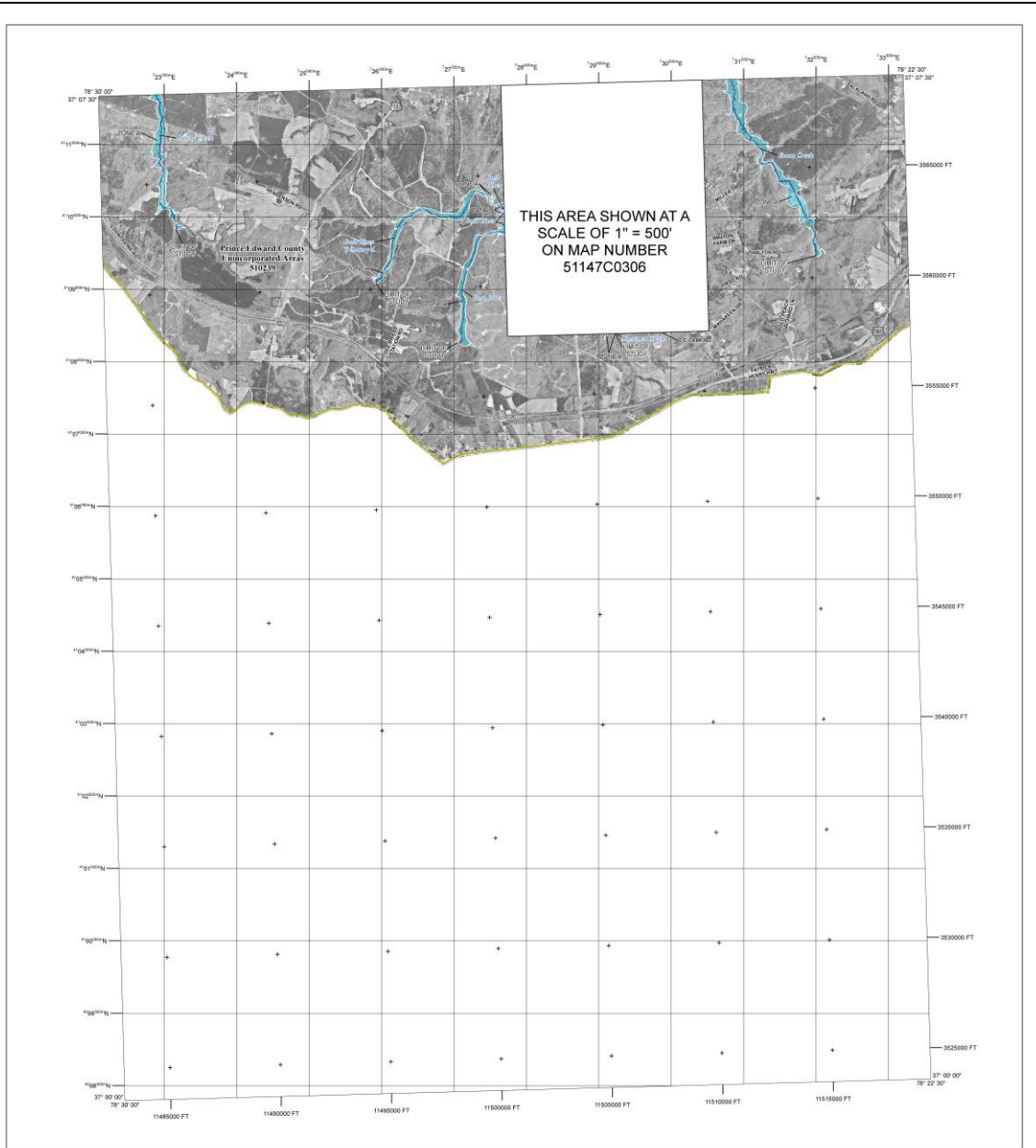
NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP
 PRINCE EDWARD COUNTY, VIRGINIA
 AND INCORPORATED AREAS

PANEL 306 OF 375

Panel Contains:

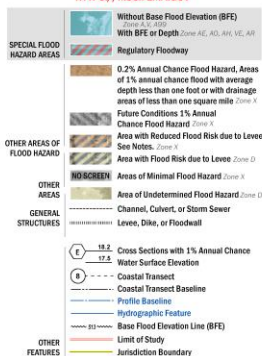
COMMUNITY	NUMBER	PANEL	SUFFIX
PRINCE EDWARD COUNTY	510239	0306	01

VERSION NUMBER
 2.6.4.0
 MAP NUMBER
 5114TC03060
 MAP REVISED
 APRIL 19, 2023



FLOOD HAZARD INFORMATION

SEE THIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING
DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
[HTTPS://MSC.FEMA.GOV](https://msc.fema.gov)



NOTES TO USERS

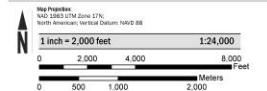
For information and questions about the Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including historic versions, the current map data or other FIRM panel data, or other products, or the National Flood Insurance Program (NFIP), please contact the Flood Insurance and Insurance Services at 1-877-FIRM-6647 (1-877-367-6647) or visit the FIRM, Flood Map Service Center website at floodmaps.fema.gov. Available products may include previously issued editions of Map Change & Flood Insurance Study Report and/or digital versions of this map. Many of these products can be viewed or obtained directly from the website.

Communities seeking to use an adjacent FIRM panel must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

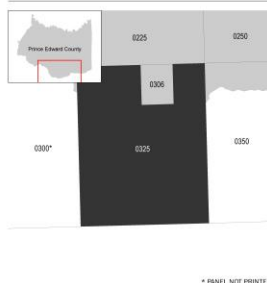
For community and countywide map data sales, refer to the Flood Insurance Study Report or call the National Flood Insurance Program at 1-800-455-8622.

Base map information shown on this FIRM was provided in digital format by the Virginia Geographic Information Network (VGIN). This information was derived from digital orthophotography or a flood insurance from photography (FIOP) dated 2013 and 2015.

SCALE



PANEL LOCATOR



Prince Edward County Dam Inundation Zone Maps

(Source: Williamsburg Environmental Group, Hurt & Proffitt)

Buffalo River Dam #1

Buffalo River Dam #2

Buffalo Creek Dam #3

Buffalo Creek Dam #4

Buffalo Creek Dam #5

Buffalo Creek Dam #6

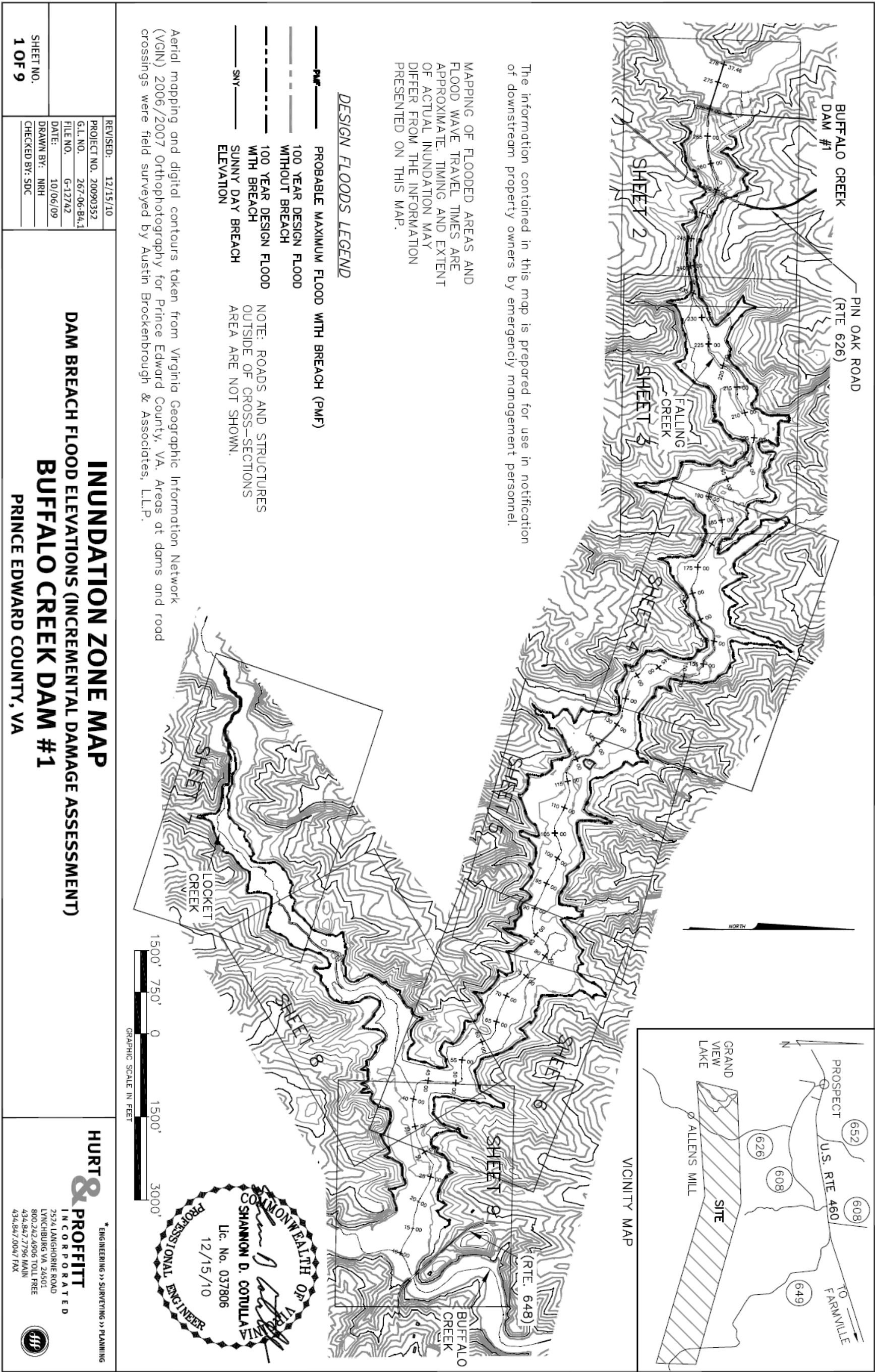
Buffalo Creek Dam #7

Buffalo Creek Dam #8

Buffalo Creek Dam #9

Bush River Dam #2

Bush River Dam #7



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Aerial mapping and digital contours taken from Virginia Geographic Information Network (VGIN) 2006/2007 Orthophotography for Prince Edward County, VA. Areas at dams and road crossings were field surveyed by Austin Brockenbrough & Associates, L.L.P.

Note:
Roads & structures outside cross-section limits are not shown.



INUNDATION ZONE MAP

DAM BREACH FLOOD ELEVATIONS (IDA)

BUFFALO CREEK DAM #1

PRINCE EDWARD COUNTY, VA

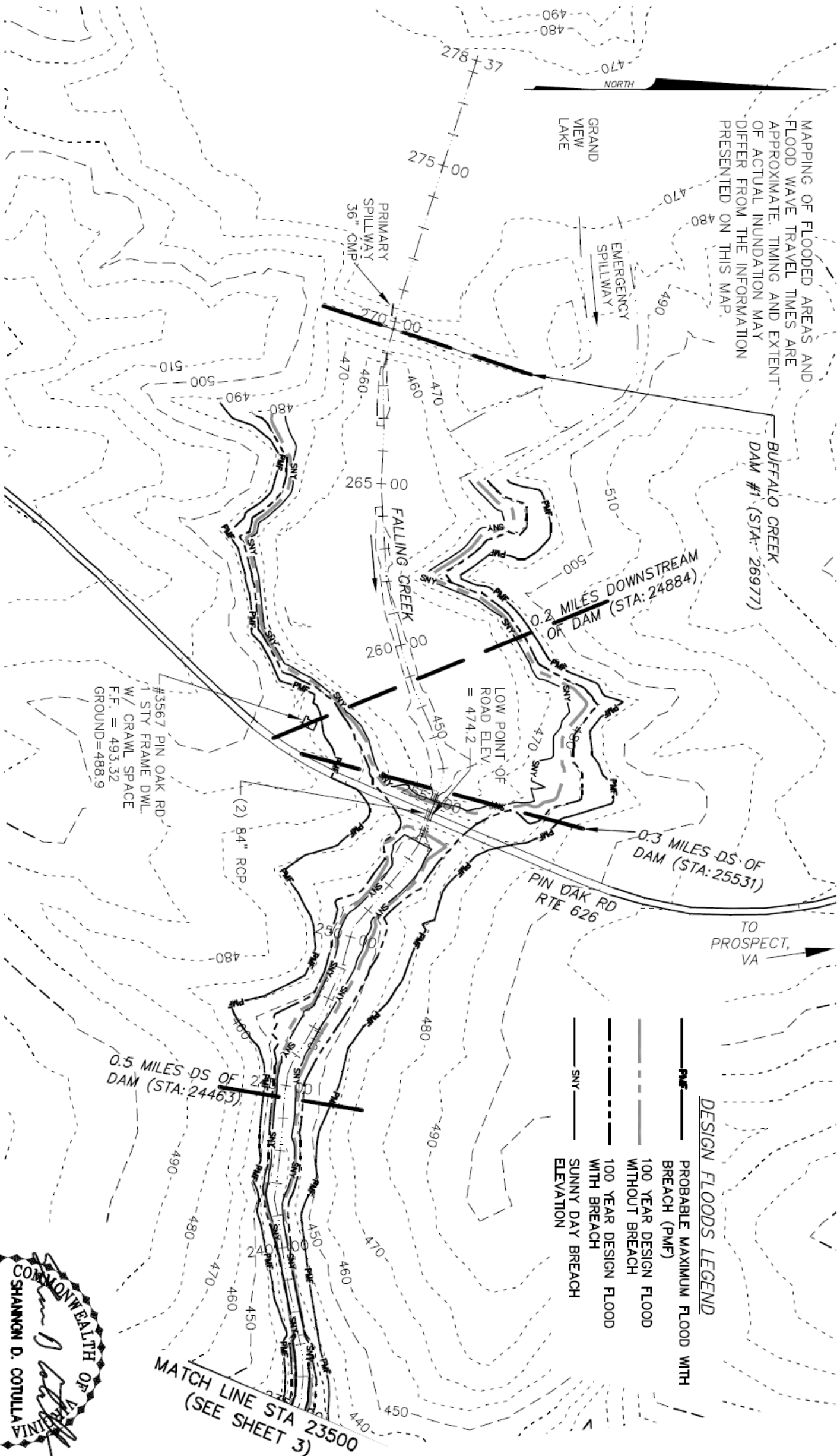
REVISED:	12/15/10
PROJECT NO.	20090352
G.L. NO.	267-06-B4.1
FILE NO.	G-12742
DATE:	10/06/09
DRAWN BY:	NRH
CHECKED BY:	SDC

SHEET NO.
2 OF 9

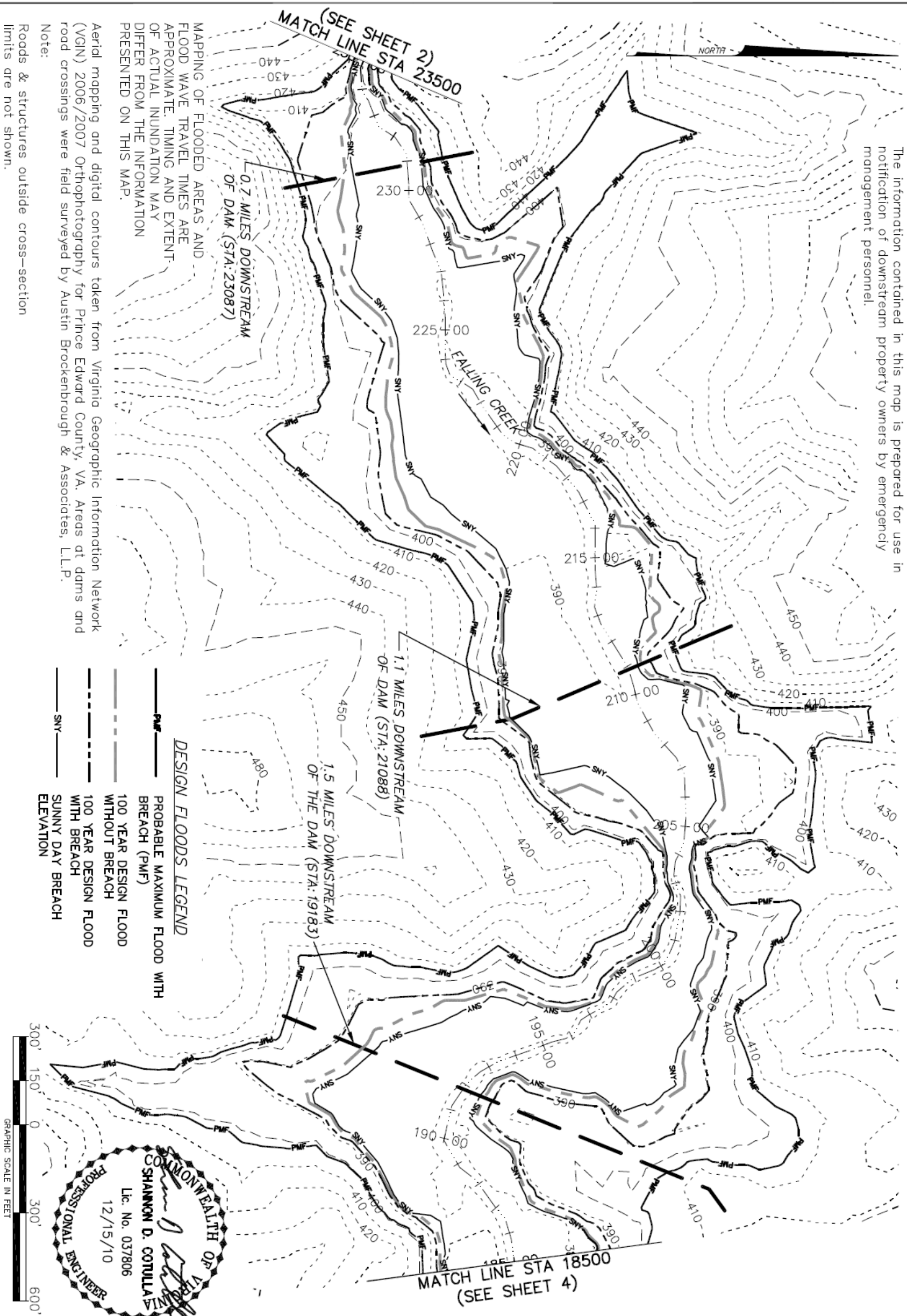
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MAPPING OF FLOODED AREAS AND FLOOD WAVE TRAVEL TIMES ARE APPROXIMATE. TIMING AND EXTENT OF ACTUAL INUNDATION MAY DIFFER FROM THE INFORMATION PRESENTED ON THIS MAP.

Aerial mapping and digital contours taken from Virginia Geographic Information Network (VGIN) 2006/2007 Orthophotography for Prince Edward County, VA. Areas at dams and road crossings were field surveyed by Austin Brockenbrough & Associates, L.L.P.

Note:
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- DESIGN FLOODS LEGEND**
- PMF — PROBABLE MAXIMUM FLOOD WITH BREACH (PMF)
 - 100 YEAR DESIGN FLOOD WITHOUT BREACH
 - 100 YEAR DESIGN FLOOD WITH BREACH
 - SNY — SUNNY DAY BREACH ELEVATION



INUNDATION ZONE MAP
DAM BREACH FLOOD ELEVATIONS (IDA)
BUFFALO CREEK DAM #1
PRINCE EDWARD COUNTY, VA

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SHEET NO.
3 OF 9

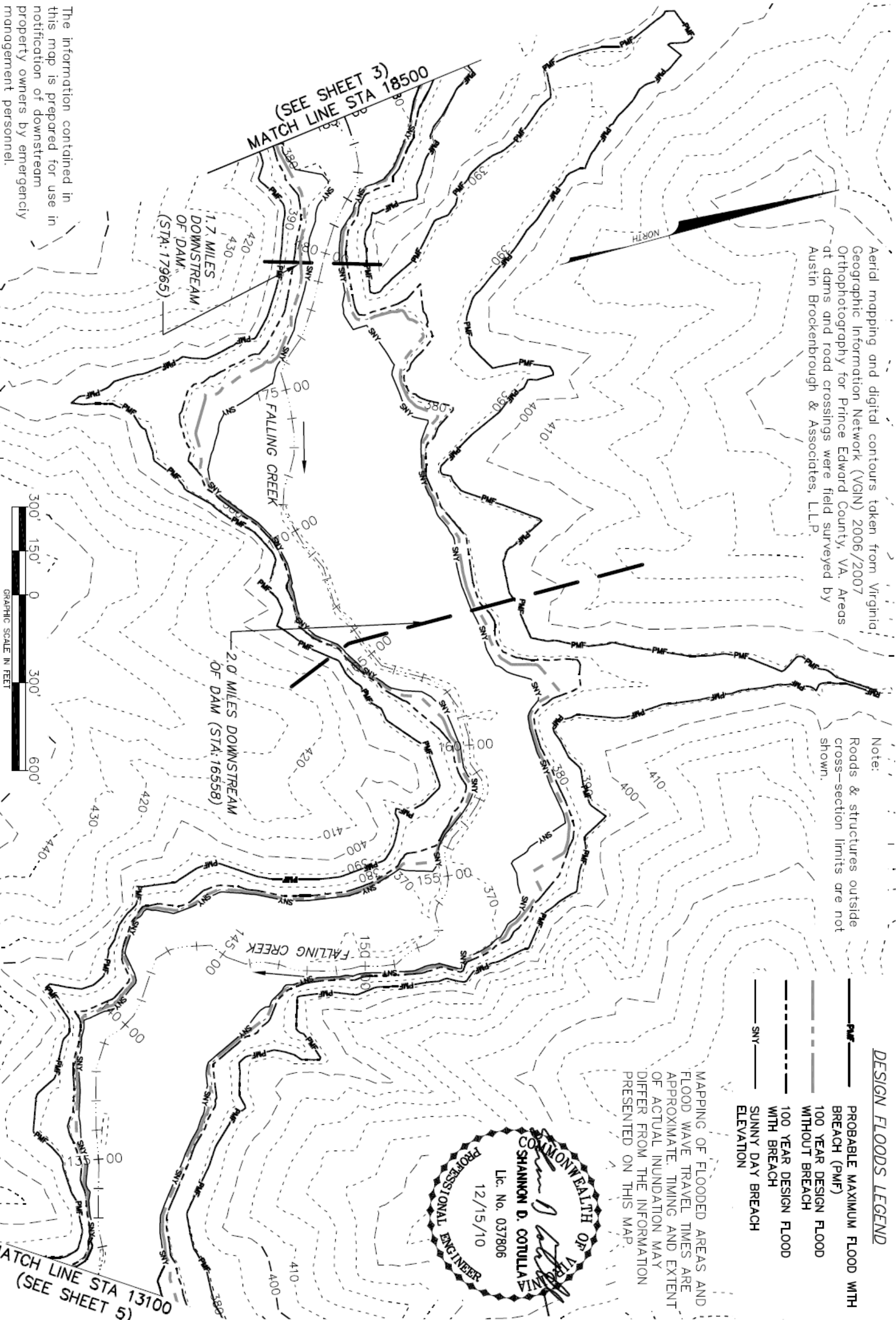
Aerial mapping and digital contours taken from Virginia Geographic Information Network (VGIN) 2006/2007 Orthophotography for Prince Edward County, VA. Areas at dams and road crossings were field surveyed by Austin Brockenbrough & Associates, L.L.P.

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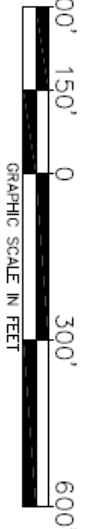
DESIGN FLOODS LEGEND

- PROBABLE MAXIMUM FLOOD WITH BREACH (PMF)
- 100 YEAR DESIGN FLOOD WITHOUT BREACH
- 100 YEAR DESIGN FLOOD WITH BREACH
- SUNNY DAY BREACH ELEVATION

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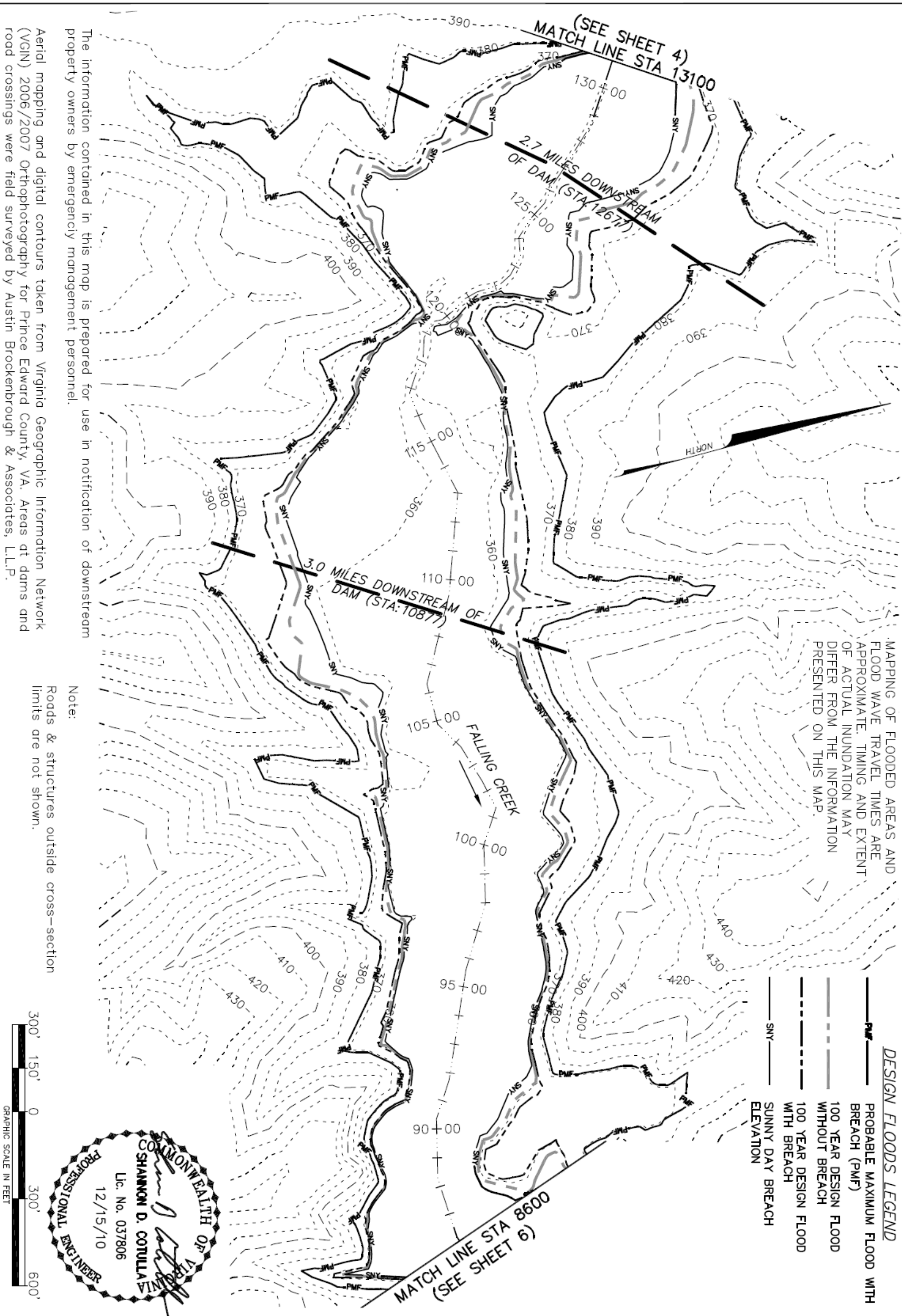
MATCH LINE STA 13100 (SEE SHEET 5)

REVISIONS:	12/15/10
PROJECT NO.	20090352
G.L. NO.	267-06-B4.1
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INUNDATION ZONE MAP
DAM BREACH FLOOD ELEVATIONS (IDA)
BUFFALO CREEK DAM #1
PRINCE EDWARD COUNTY, VA

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 - SUNNY DAY BREACH ELEVATION
 - SNY —



INUNDATION ZONE MAP

DAM BREACH FLOOD ELEVATIONS (IDA)

BUFFALO CREEK DAM #1

PRINCE EDWARD COUNTY, VA

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SHEET NO.	5 OF 9

DESIGN FLOODS LEGEND

- PROBABLE MAXIMUM FLOOD WITH BREACH (PMF)
- 100 YEAR DESIGN FLOOD WITHOUT BREACH
- 100 YEAR DESIGN FLOOD WITH BREACH
- SUNNY DAY BREACH ELEVATION

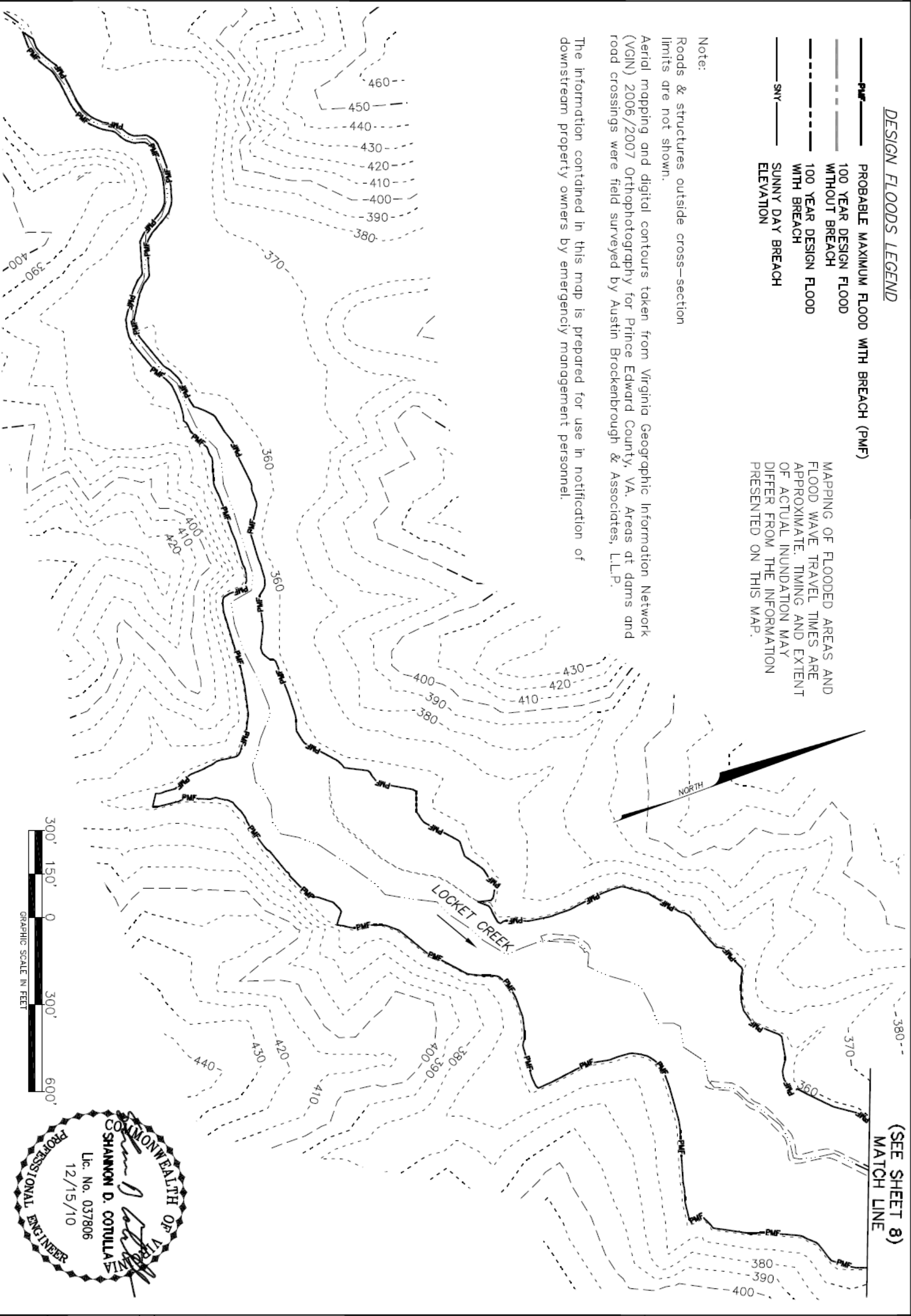
MAPPING OF FLOODED AREAS AND FLOOD WAVE TRAVEL TIMES ARE APPROXIMATE. TIMING AND EXTENT OF ACTUAL INUNDATION MAY DIFFER FROM THE INFORMATION PRESENTED ON THIS MAP.

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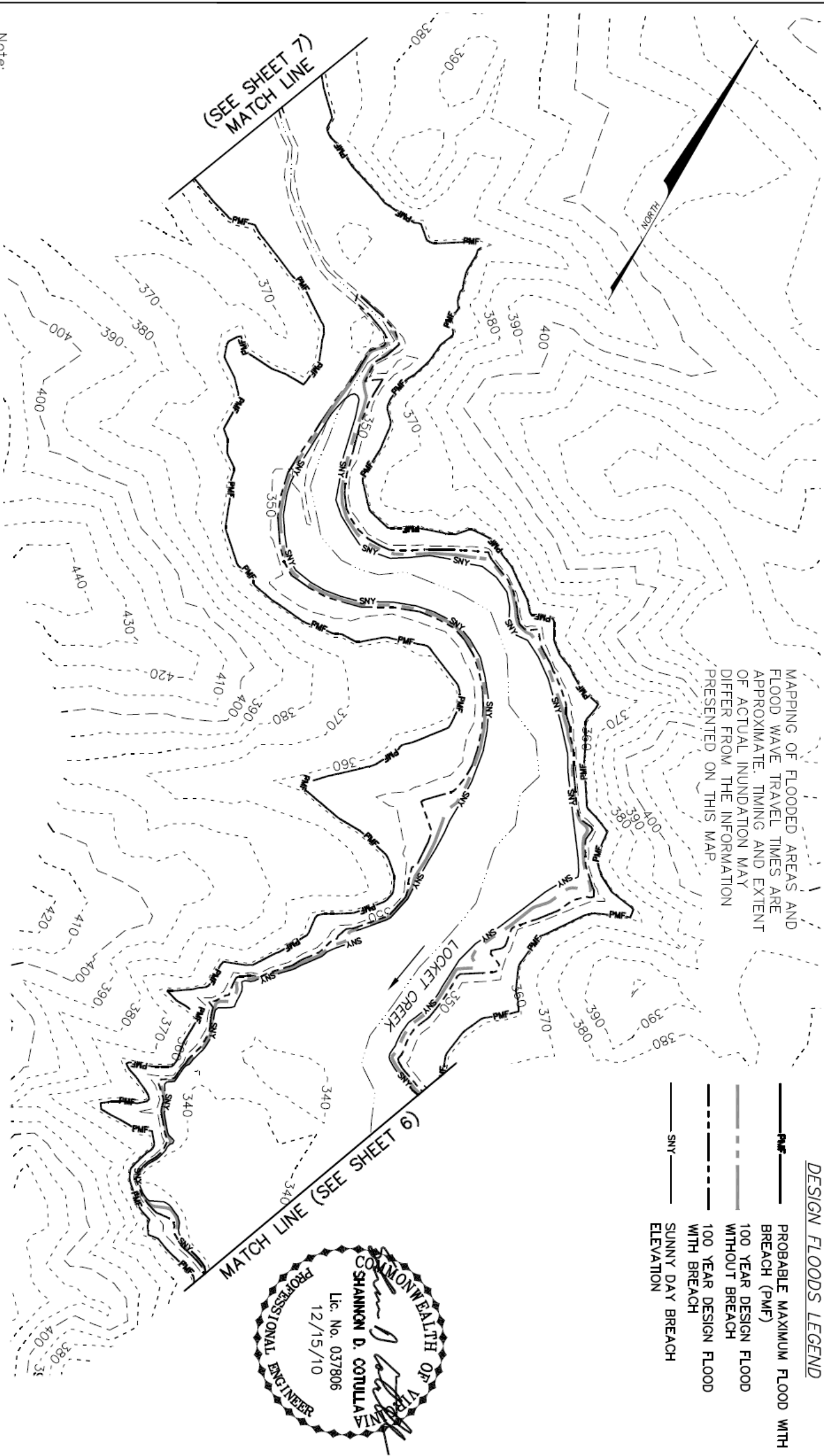


INUNDATION ZONE MAP
DAM BREACH FLOOD ELEVATIONS (IDA)
BUFFALO CREEK DAM #1
PRINCE EDWARD COUNTY, VA

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SHEET NO.	7 OF 9



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DESIGN FLOODS LEGEND

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Note:
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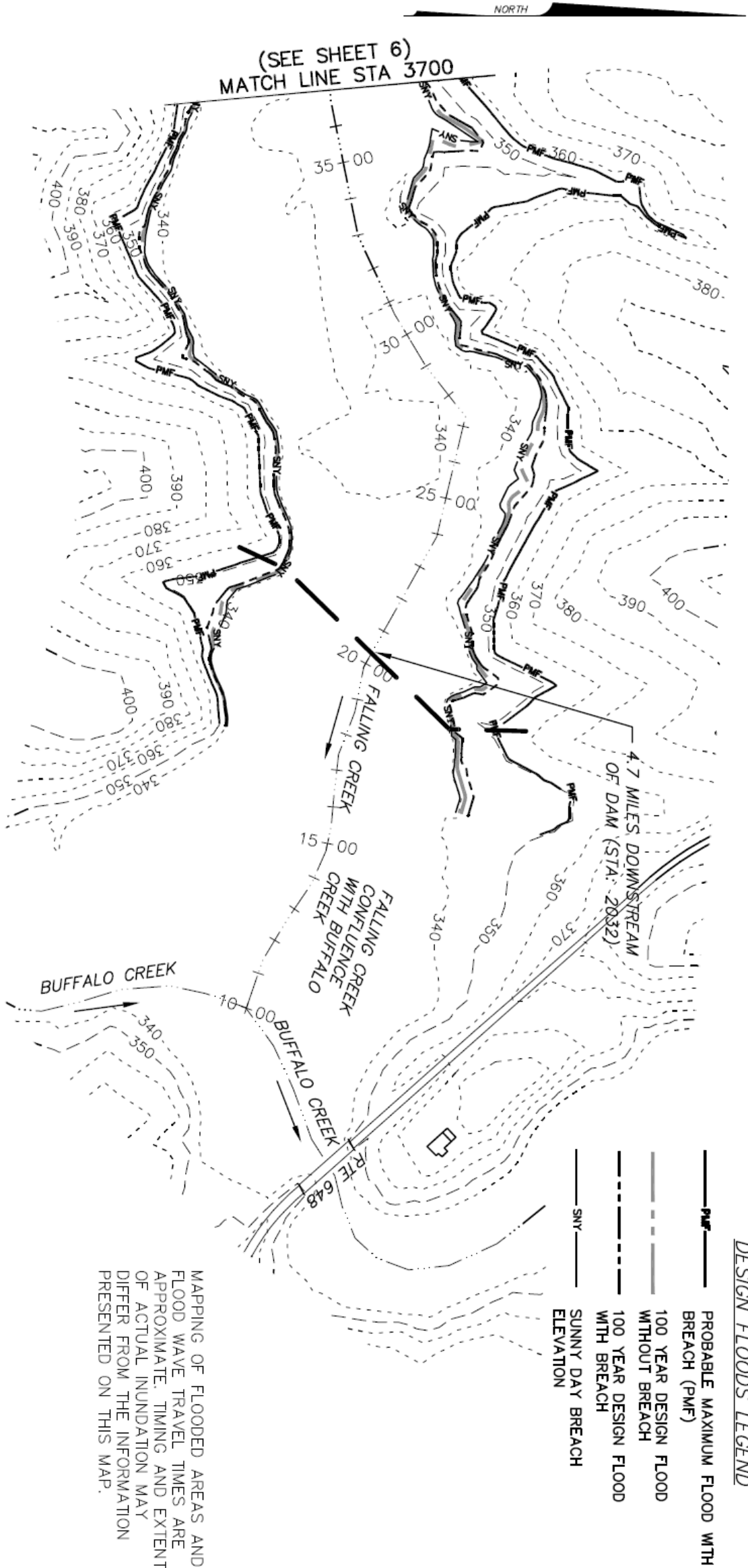


INUNDATION ZONE MAP
DAM BREACH FLOOD ELEVATIONS (IDA)
BUFFALO CREEK DAM #1
PRINCE EDWARD COUNTY, VA

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SHEET NO.	8 OF 9



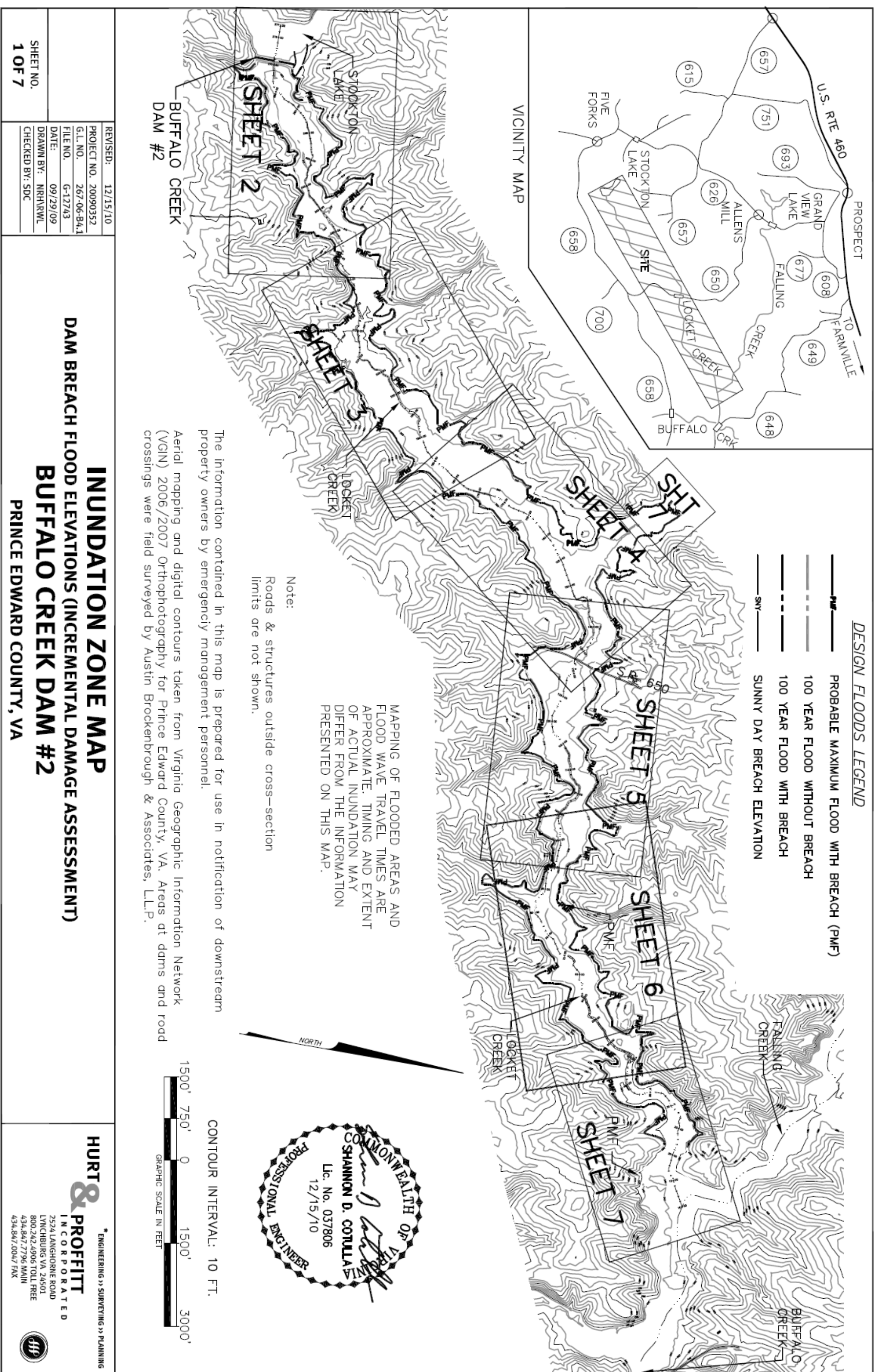
HEC-RAS Station	Distance from Dam Miles	Travel Time Flood Minutes	Travel Time - Peak Water Surface Elevation Minutes	Max Water Surface Elevation	Water Depth at Structure Feet	Structure
26977	0	0	0	494.58	4.6	Dam
25884	0.2	1	1	486.49	2.4	Residence
25531	0.3	1	1	485.55	11.4	Route 626
24463	0.5	2	2	455.48		
23087	0.7	2	4	411.39		
21088	1.1	5	7	407.31		
19183	1.5	9	11	405.32		
17965	1.7	12	15	393.46		
16558	2.0	15	21	389.60		
12677	2.7	25	28	378.77		
10877	3.0	29	40	374.03		
7444	3.7	44	51	367.13		
2032	4.7	56	60	342.74		



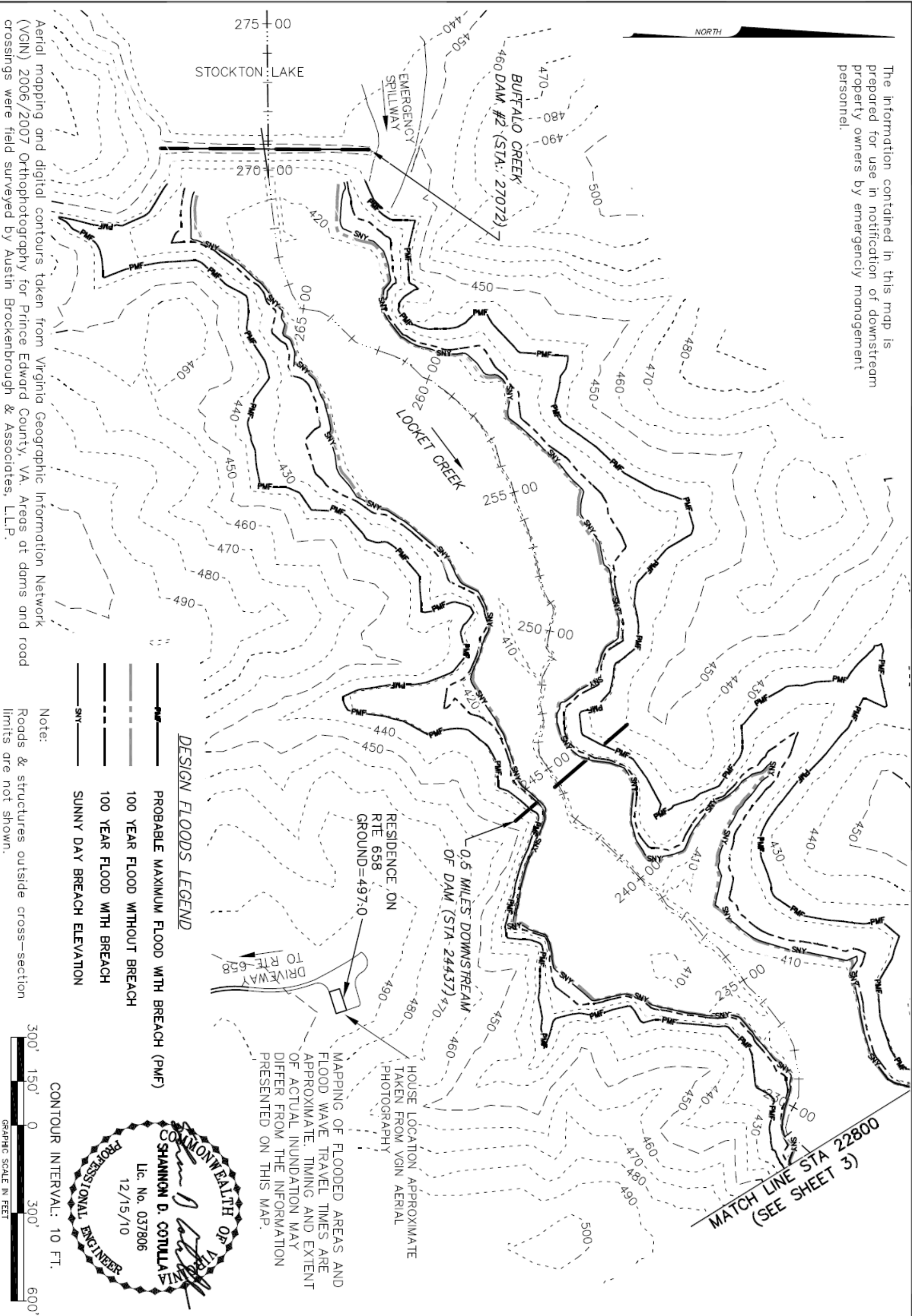
INUNDATION ZONE MAP
DAM BREACH FLOOD ELEVATIONS (IDA)
BUFFALO CREEK DAM #1
PRINCE EDWARD COUNTY, VA

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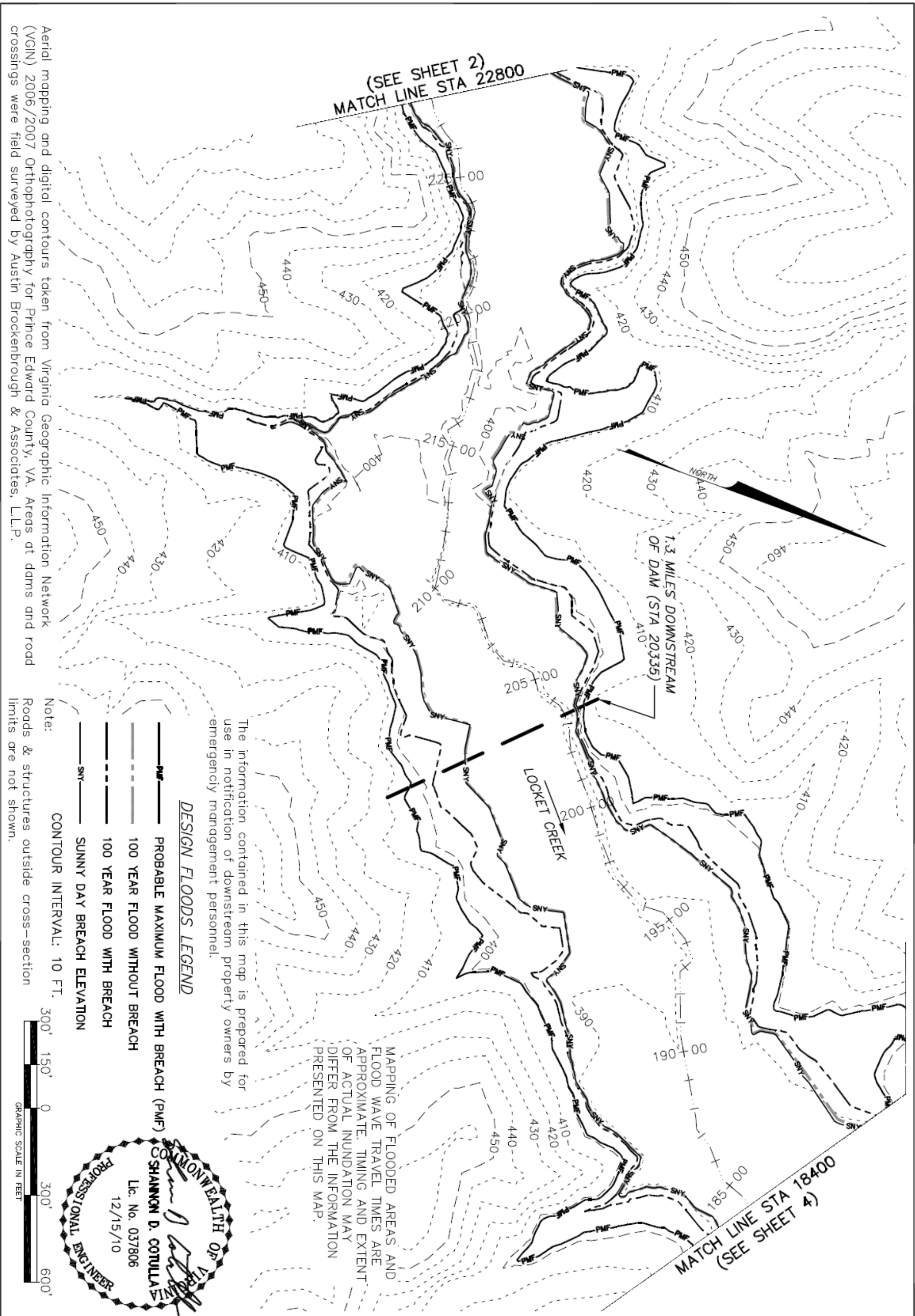



INUNDATION ZONE MAP
DAM BREACH FLOOD ELEVATIONS (IDA)
BUFFALO CREEK DAM #2
PRINCE EDWARD COUNTY, VA

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G.L. NO.	267-06-B4.1
FILE NO.	G-12743
DATE:	09/29/09
DRAWN BY:	NRH/RWL
CHECKED BY:	SOC
SHEET NO.	2 OF 7



INUNDATION ZONE MAP DAM BREACH FLOOD ELEVATIONS (IDA) BUFFALO CREEK DAM #2 PRINCE EDWARD COUNTY, VA		HURT & PROFFITT INCORPORATED 2524 LANGHORNE ROAD LYNCHBURG VA 24501 800.242.4906 TOLL FREE 434.847.7796 MAIN 434.847.0047 FAX
REVISED: 12/15/10	PROJECT NO. 20090352	
G.L. NO. 267-06-84.1	FILE NO. G-12743	
DATE: 09/29/09	DRAWN BY: NRH/RWL	
CHECKED BY: SDC		
SHEET NO. 3 OF 7		

MATCH LINE (SEE SHEET 7)

2.0 MILES DOWNSTREAM
OF DAM (STA 16230)

LOCKET CREEK

MATCH LINE STA 14400
(SEE SHEET 5)

(SEE SHEET 3)
MATCH LINE STA 18400

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for use in notification of downstream property
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FLOOD WAVE TRAVEL TIMES ARE
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DESIGN FLOODS LEGEND

- PROBABLE MAXIMUM FLOOD WITH BREACH (PMF)
- 100 YEAR FLOOD WITHOUT BREACH
- 100 YEAR FLOOD WITH BREACH
- SUNNY DAY BREACH ELEVATION

CONTOUR INTERVAL: 10 FT.

Note:
Roads & structures outside cross-section
limits are not shown.



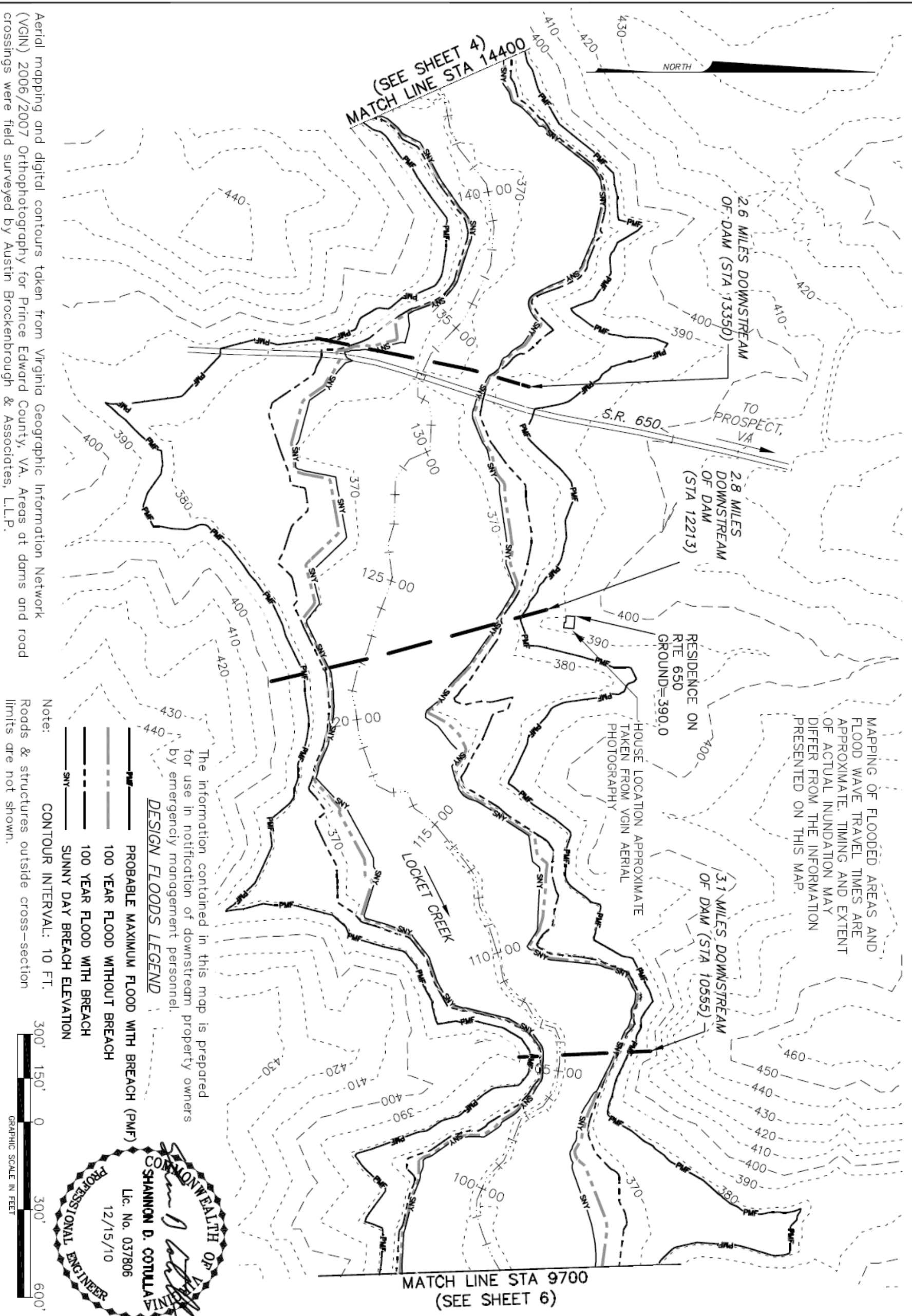
INUNDATION ZONE MAP
DAM BREACH FLOOD ELEVATIONS (IDA)
BUFFALO CREEK DAM #2
PRINCE EDWARD COUNTY, VA

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Aerial mapping and digital contours taken from Virginia Geographic Information Network (VGIN) 2006/2007 Orthophotography for Prince Edward County, VA. Areas at dams and road crossings were field surveyed by Austin Brockenbrough & Associates, L.L.P.

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FILE NO.	G-12743
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CHECKED BY:	SDC
SHEET NO.	4 OF 7

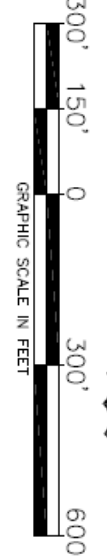


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- PROBABLE MAXIMUM FLOOD WITH BREACH (PMF)
 - 100 YEAR FLOOD WITHOUT BREACH
 - 100 YEAR FLOOD WITH BREACH
 - SUNNY DAY BREACH ELEVATION

Note: CONTOUR INTERVAL: 10 FT.
Roads & structures outside cross-section limits are not shown.



INUNDATION ZONE MAP

DAM BREACH FLOOD ELEVATIONS (IDA)

BUFFALO CREEK DAM #2

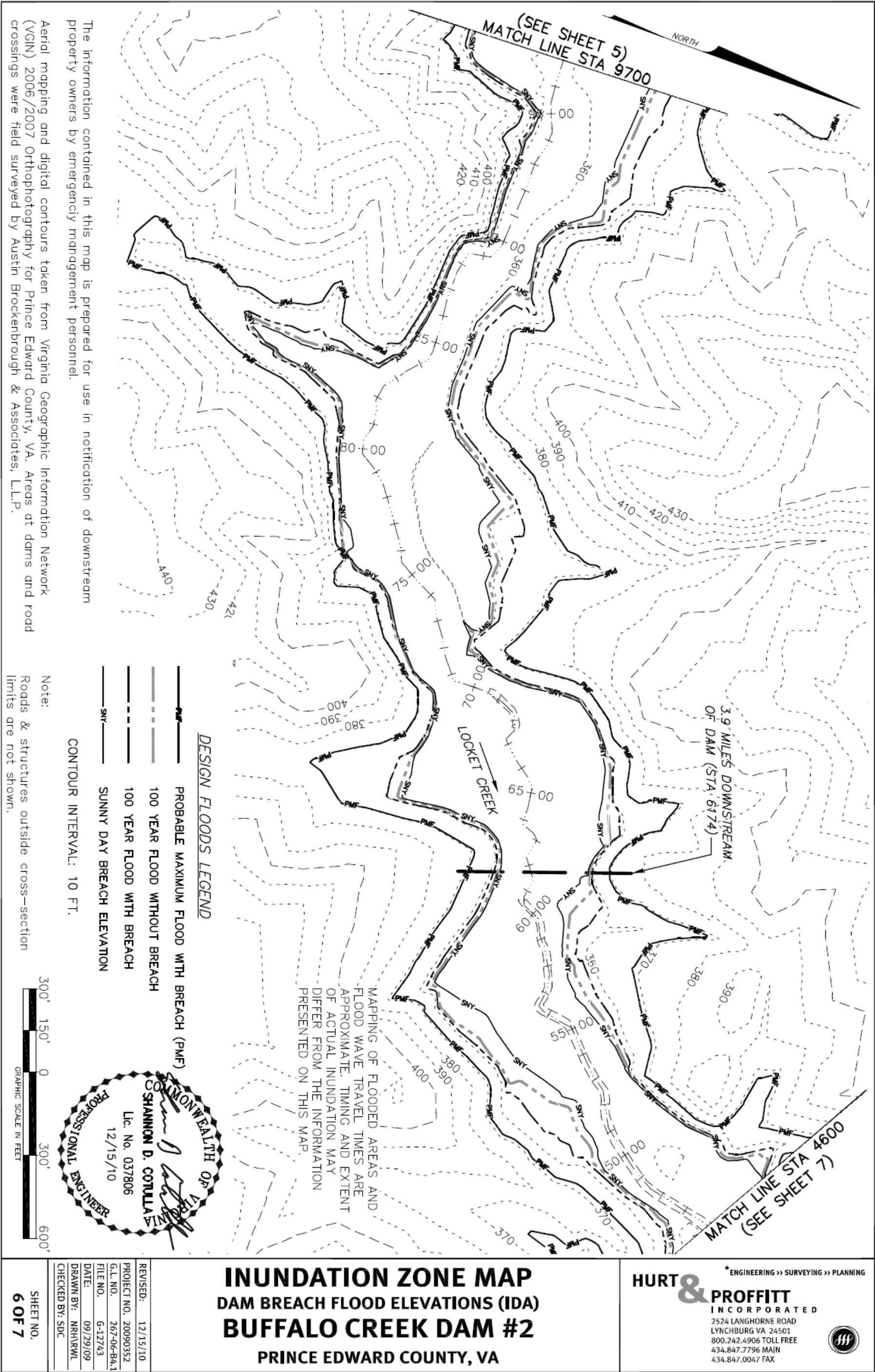
PRINCE EDWARD COUNTY, VA

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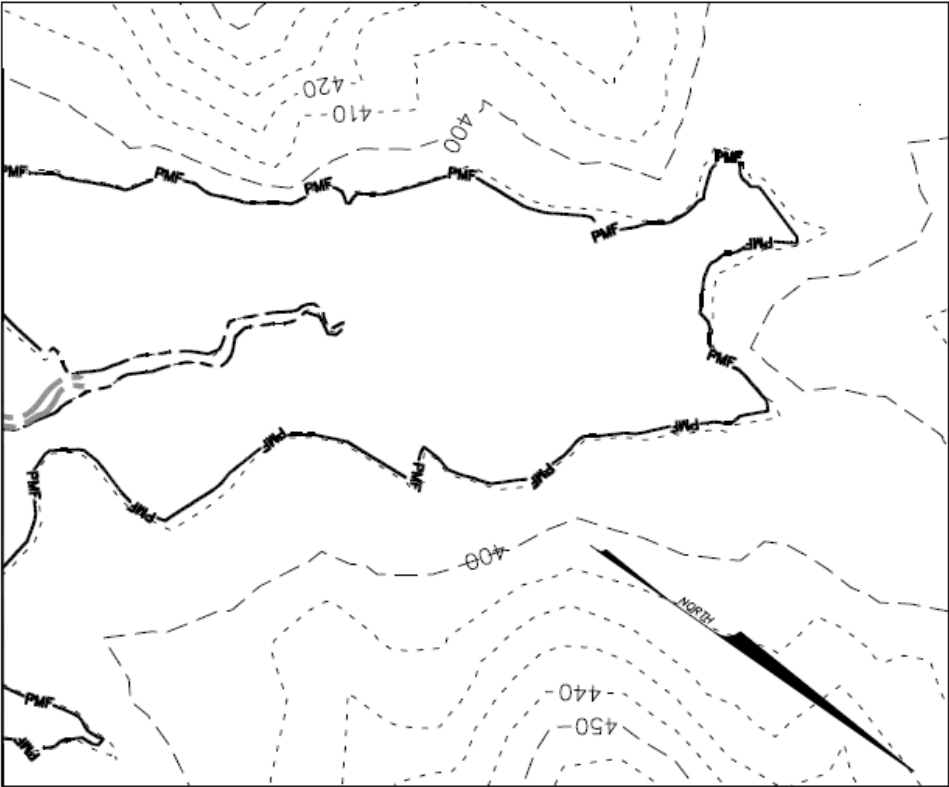
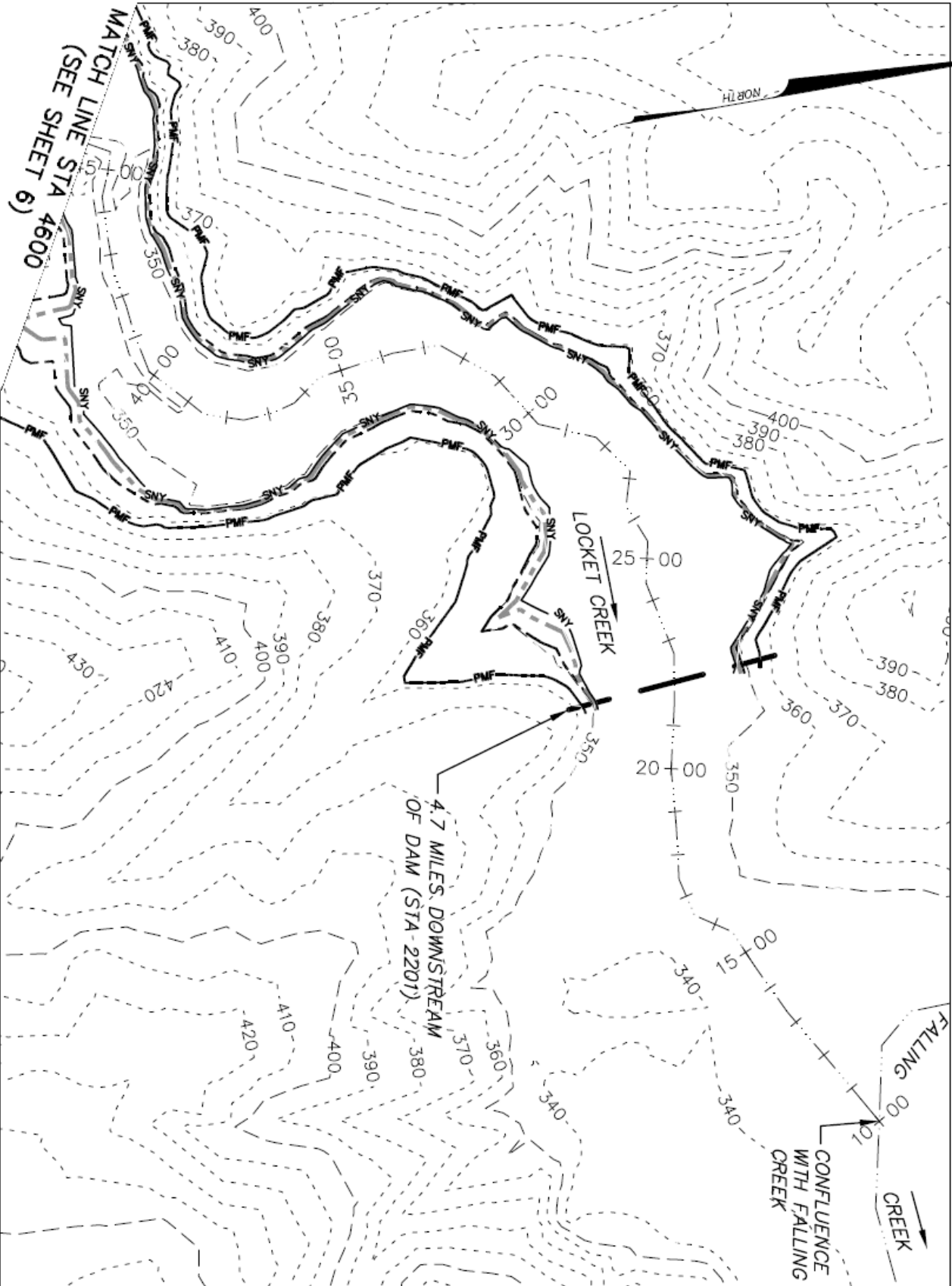
SHEET NO.
5 OF 7

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HEC-RAS Station	Distance from Dam Miles	Travel Time Flood Minutes	Travel Time - Peak Water Surface Elevation Minutes	Max. Water Surface Elevation Feet	Water Depth at Structure Feet	Structure
27072	0.0	0	0	456.3	4.5	Dam
24437	0.5	7	8	426.9	-70.1	Res. On Rte 658
20335	1.3	14	15	404.1		
16230	2.1	25	31	390.7		
13350	2.6	31	45	384.6	13.6	Rte 650
12213	2.8	39	46	382.8	-7.2	Res. On Rte 650
10555	3.1	45	51	379.0		
6174	4.0	59	65	368.9		
2201	4.7	69	70	355.0		



MATCH LINE (SEE SHEET 4)

DESIGN FLOODS LEGEND

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- SUNNY DAY BREACH ELEVATION

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CONTOUR INTERVAL: 10 FT.



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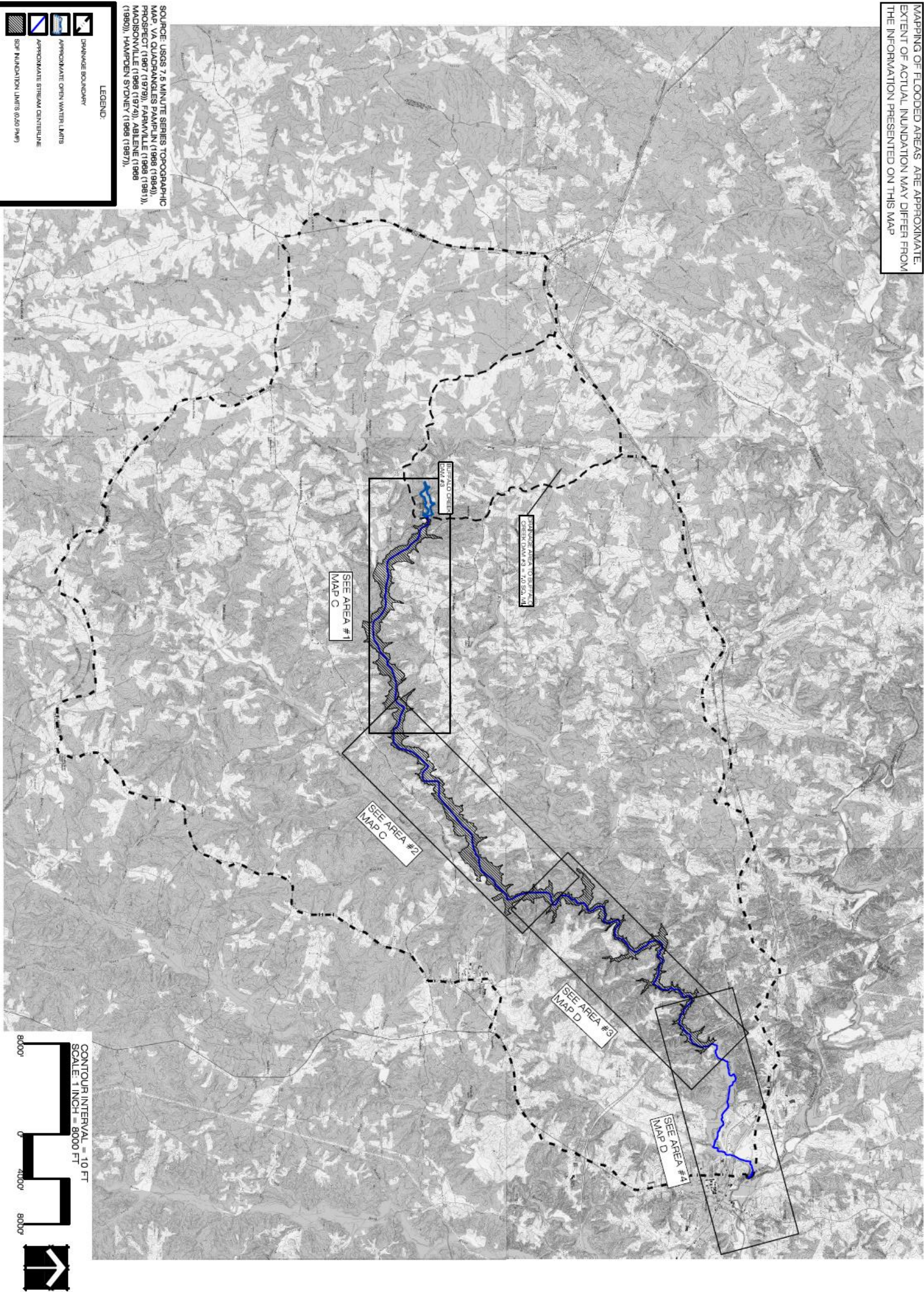
INUNDATION ZONE MAP DAM BREACH FLOOD ELEVATIONS (IDA) BUFFALO CREEK DAM #2 PRINCE EDWARD COUNTY, VA

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SHEET NO.
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DRAWN BY: SWS
DATE: 08/09
SCALE: 1" = 8000'
MAP: B



**INUNDATION MAP - OVERALL
BUFFALO CREEK DAM #3
PRINCE EDWARD COUNTY, VIRGINIA**



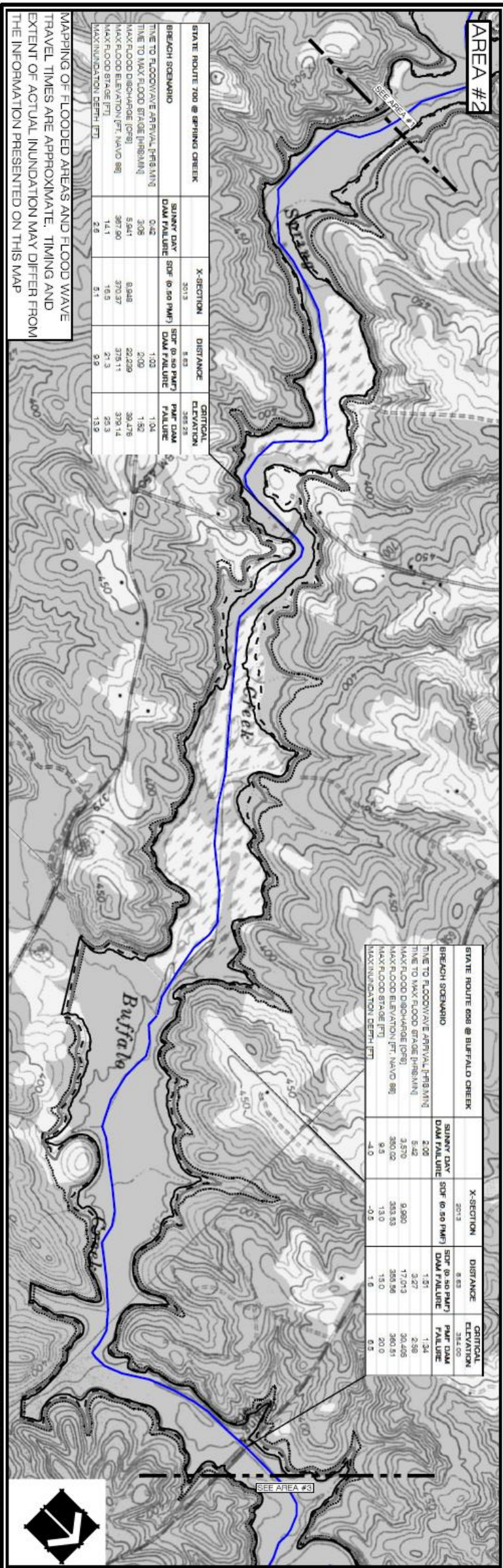
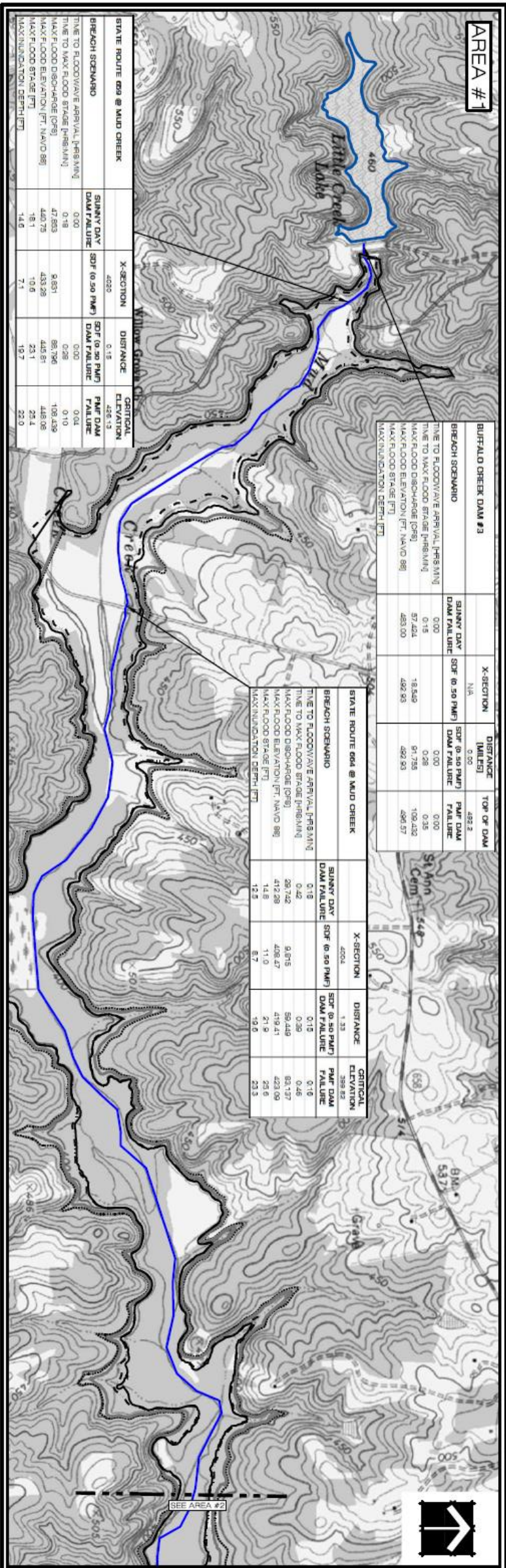
5209 Center Street
Williamsburg, Virginia 23188
(757) 220-8869

1011 Boulder Springs Drive
Suite 225
Richmond, Virginia 23225
(804) 267-3474

13921 Park Center Road
Suite 160
Hampton, Virginia 20171
(703) 457-3066

5705 Salem Run Blvd.
Suite 105
Fredericksburg, Virginia 22407
(540) 785-5544

Environmental Consultants



**INUNDATION MAP - UPPER
BUFFALO CREEK DAM #3
PRINCE EDWARD COUNTY, VIRGINIA**



5209 Center Street
Williamsburg, Virginia 23188
(757) 220-8889

1011 Boulder Springs Drive
Suite 225
Richmond, Virginia 23226
(804) 267-3474

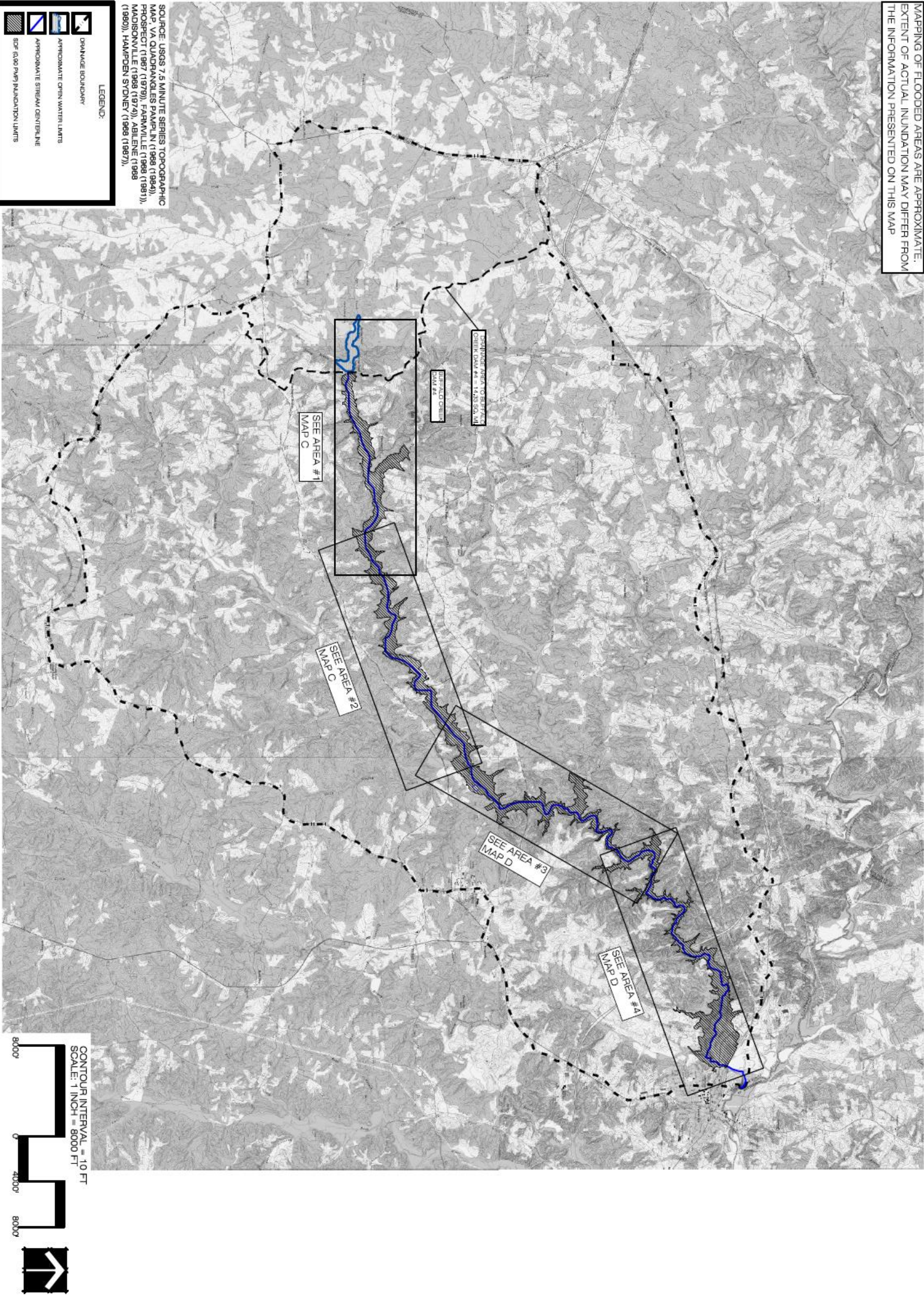
19821 Park Center Road
Suite 100
Hampton, Virginia 20171
(703) 437-3006

5705 Salem Run Blvd.
Suite 105
Fredericksburg, Virginia 22407
(540) 786-5644

Environmental Consultants



DESIGNED BY: [Signature]
CHECKED BY: [Signature]
SCALE: 1" = 1600'
MAP: C



DESIGNED BY: BMS
CHECKED BY: DCR
DATE: 1-14-2011
SCALE: 1"=8000'
MAP: B

REVISIONS

NO.	DATE	DESCRIPTION
1	1-14-2011	ISSUED FOR PERMIT



**INUNDATION MAP - OVERALL
BUFFALO CREEK DAM #4
PRINCE EDWARD COUNTY, VIRGINIA**

WEG
WILLIAMSBURG
ENVIRONMENTAL
GROUP, INC.

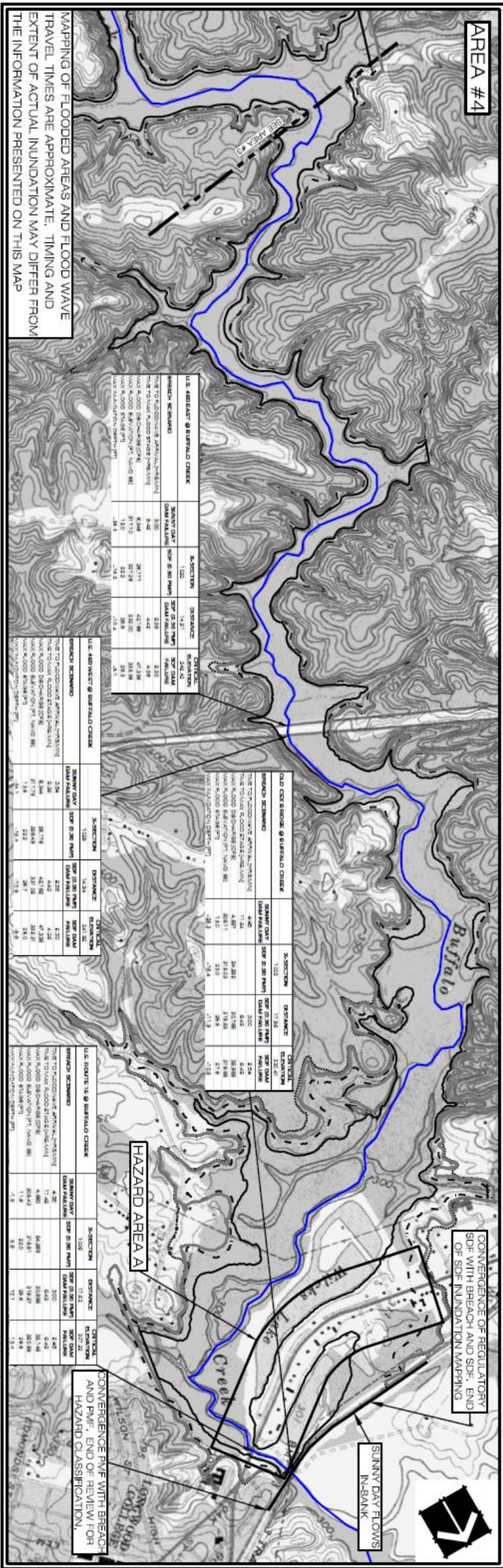
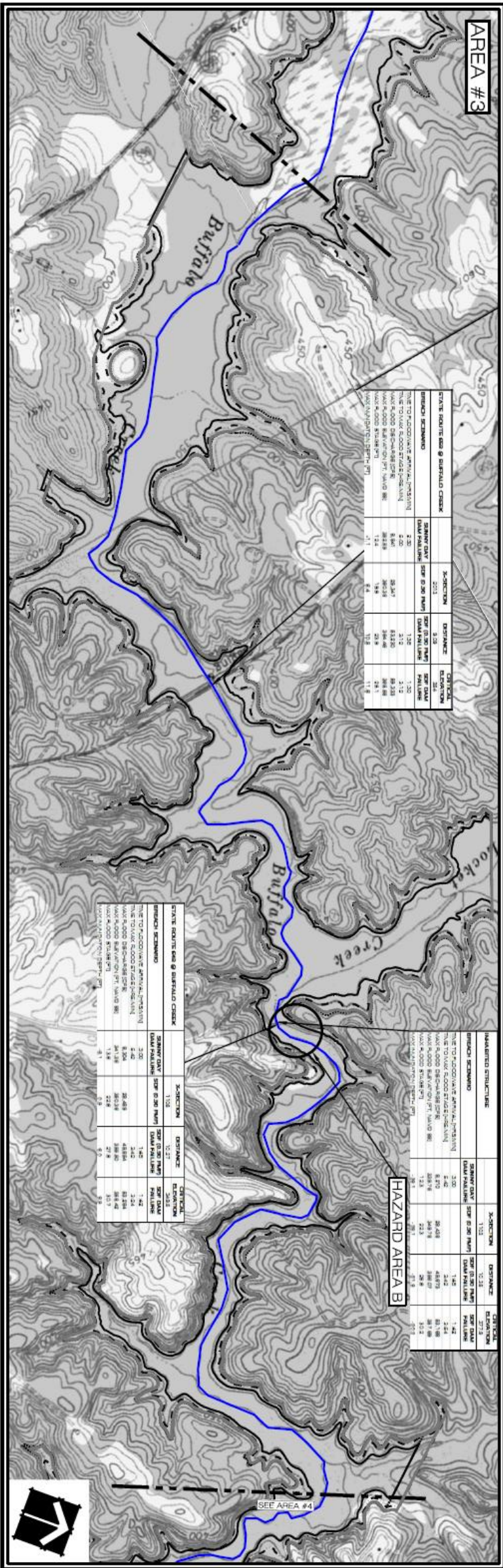
5209 Center Street
Williamsburg, Virginia 23188
(757) 220-0359

13921 Park Center Road
Suite 100
Hemdon, Virginia 20171
(703) 437-3096

1011 Boulder Springs Drive
Suite 225
Richmond, Virginia 23225
(804) 267-3474

5705 Salem Run Blvd.
Suite 105
Fredericksburg, Virginia 22407
(540) 785-5544

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INUNDATION MAP - LOWER BUFFALO CREEK DAM #4 PRINCE EDWARD COUNTY, VIRGINIA

WEG
WILLIAMSBURG ENVIRONMENTAL GROUP, INC.

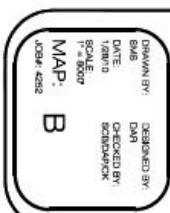
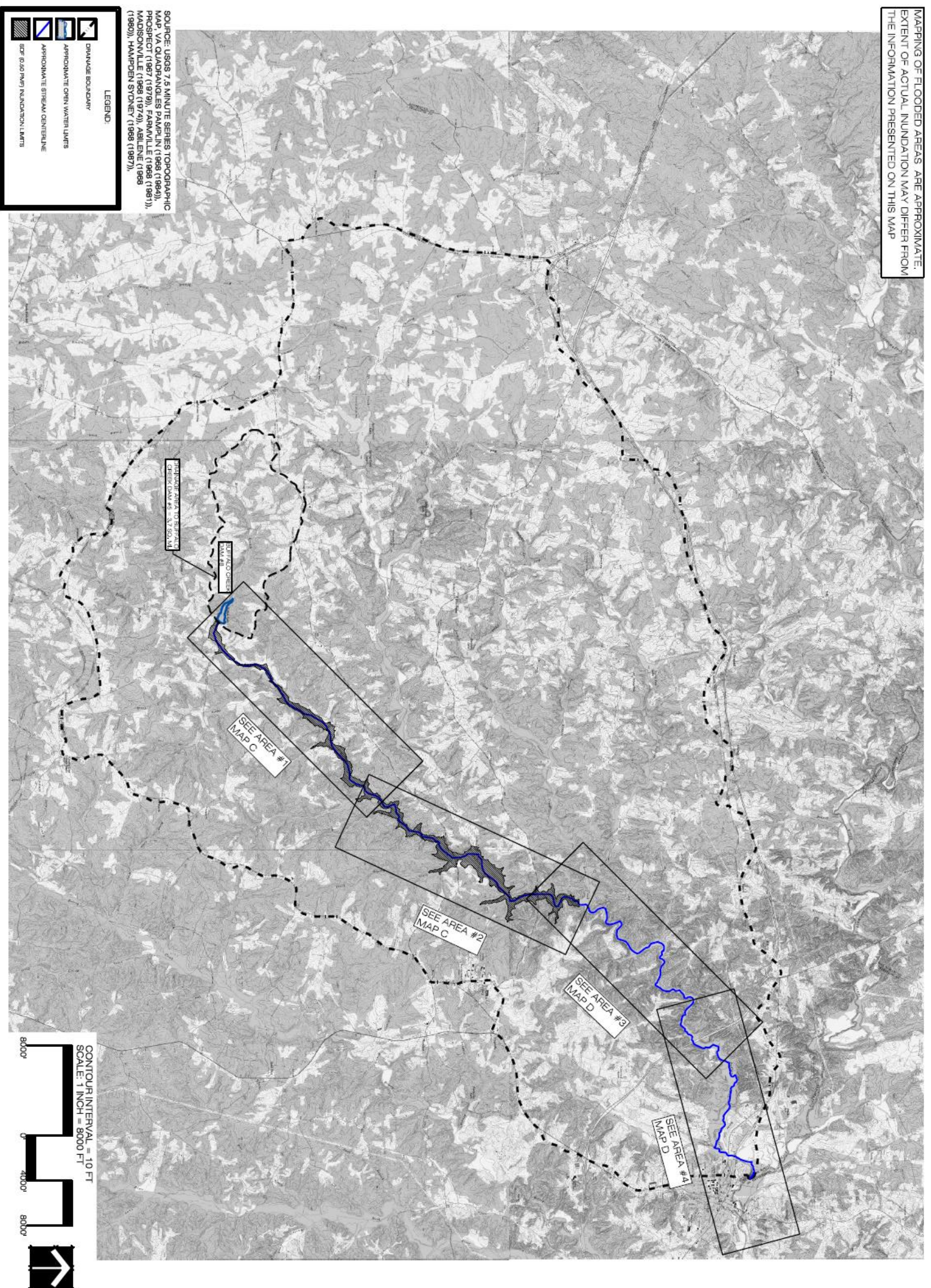
5209 Center Street
Williamsburg, Virginia 23168
(757) 220-6869

13921 Park Center Road
Suite 100
Harrison, Virginia 20171
(703) 437-9086

1011 Boulder Springs Drive
Suite 225
Richmond, Virginia 23225
(804) 267-3474

5705 Salem Run Blvd.
Suite 100
Fredericksburg, Virginia 22407
(540) 786-2644

Environmental Consultants



INUNDATION MAP - OVERALL BUFFALO CREEK DAM #5 PRINCE EDWARD COUNTY, VIRGINIA

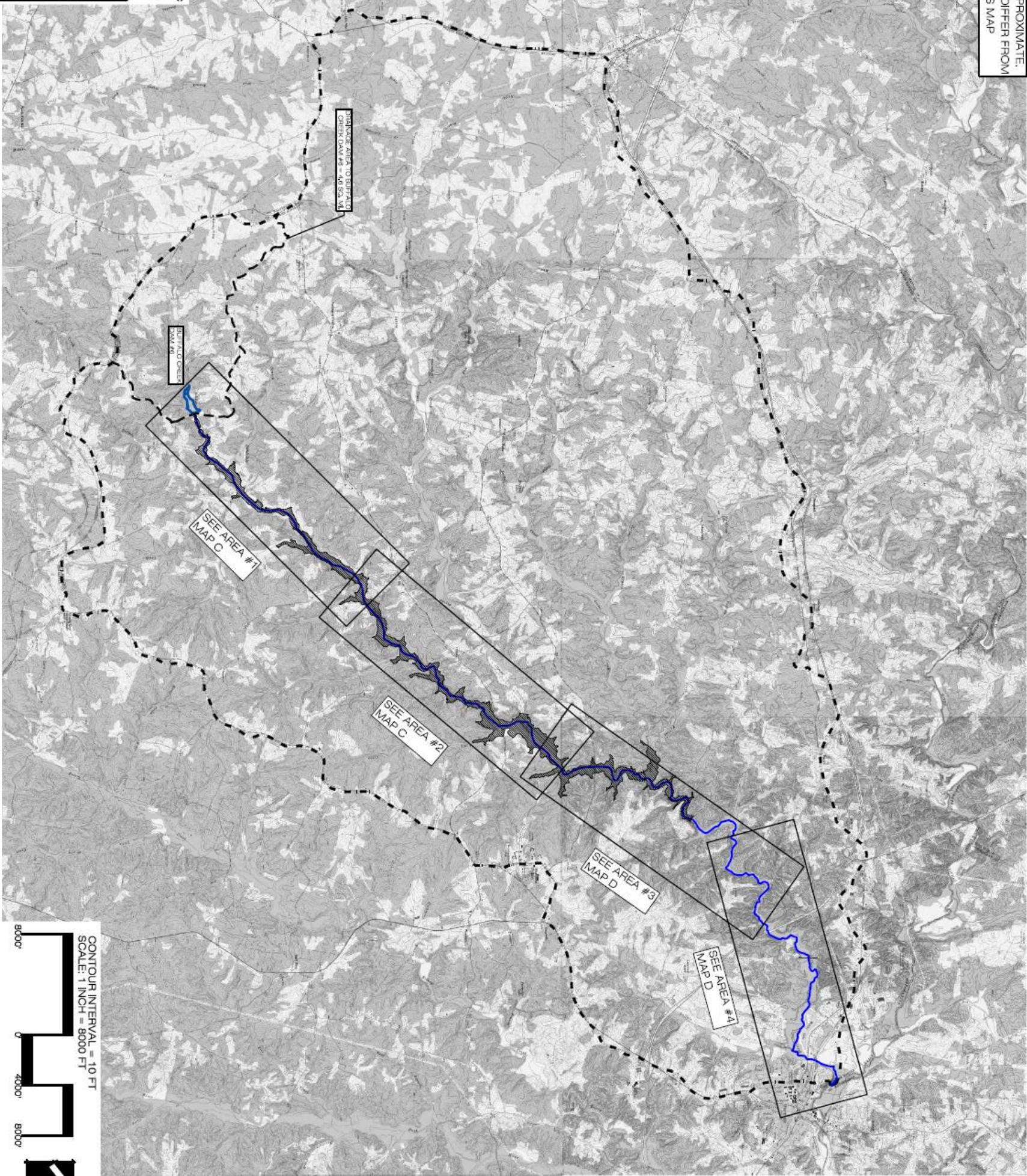


LEGEND:

- DRAINAGE BOUNDARY
- APPROXIMATE OPEN WATER LIMITS
- APPROXIMATE STREAM CENTERLINE
- SCF 0.48 PAFS INUNDATION LIMITS

SOURCE: USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP VA QUADRANGLES PAMPUN (1968 (1964)), PROSPECT (1967 (1979)), FARMVILLE (1968 (1964)), MADISONVILLE (1968 (1974)), ABILENE (1968 (1964)), HAMPDEN SYDNEY (1968 (1964)).

MAPPING OF FLOODED AREAS ARE APPROXIMATE. EXTENT OF ACTUAL INUNDATION MAY DIFFER FROM THE INFORMATION PRESENTED ON THIS MAP



DESIGNED BY: [blank]
DATE: [blank]
SCALE: 1" = 8000'
MAP: B
JOB# 4288

REVISIONS:

NO.	DATE	DESCRIPTION
1	1-14-2011	ISSUED FOR PERMITTING

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
1-14-2011

**INUNDATION MAP - OVERALL
BUFFALO CREEK DAM #6
PRINCE EDWARD COUNTY, VIRGINIA**

WEG
WILLIAMSBURG ENVIRONMENTAL GROUP, INC.

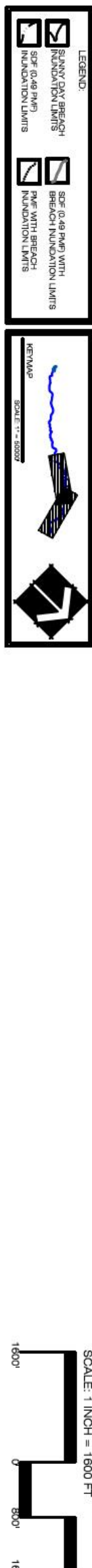
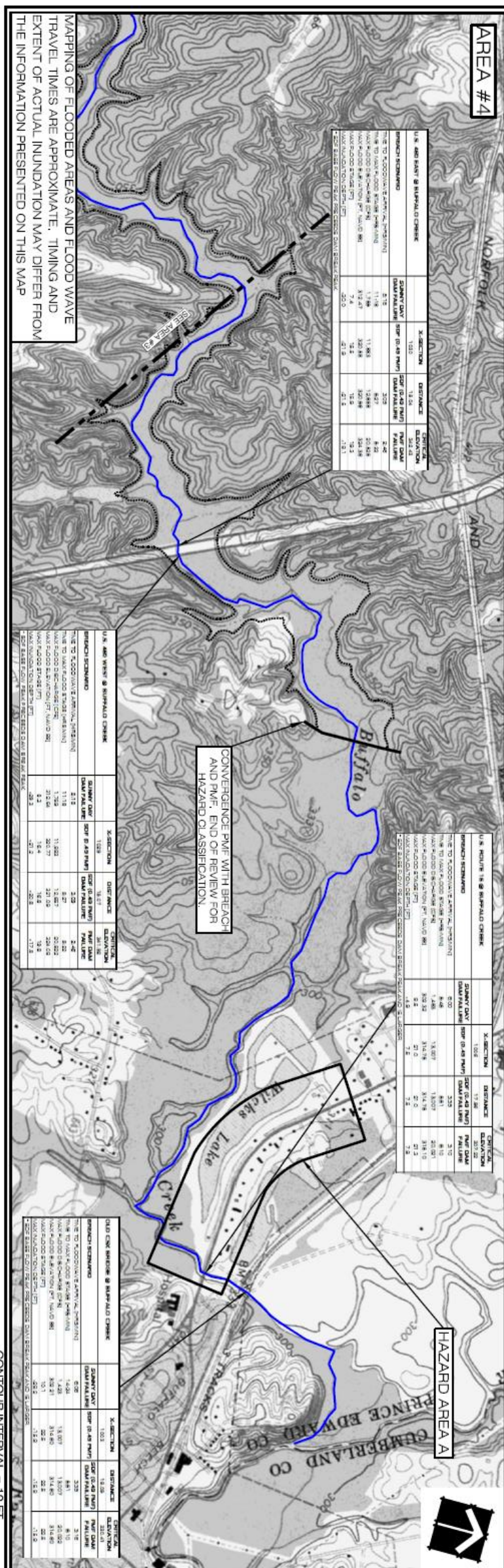
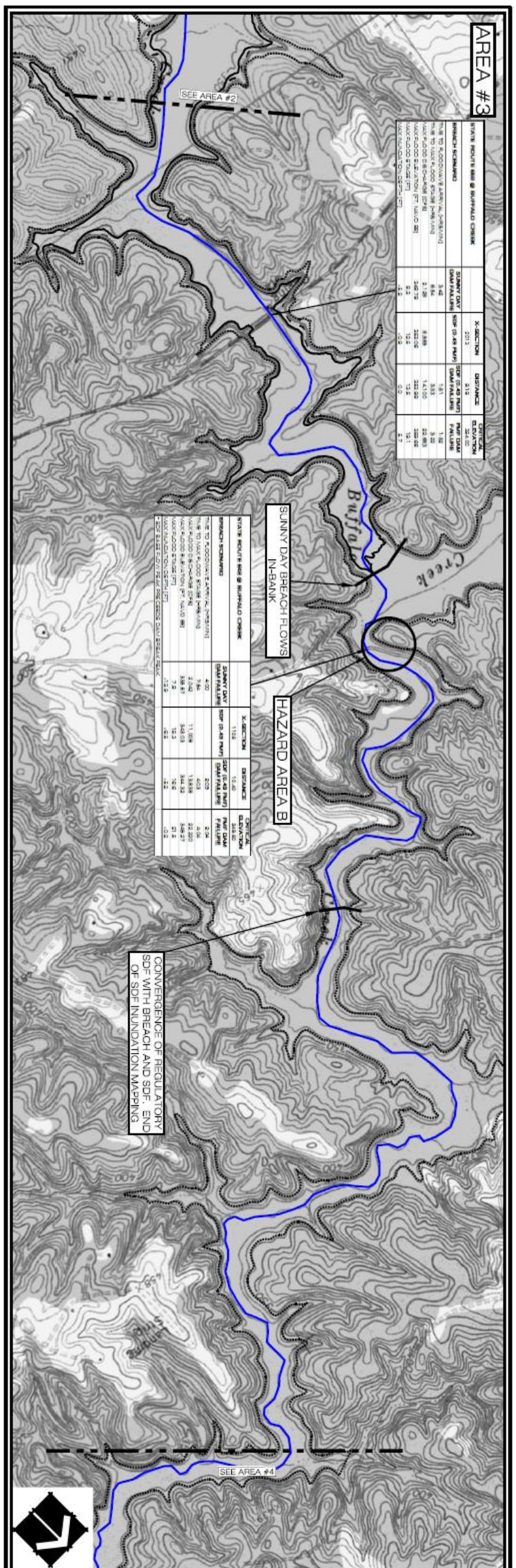
5209 Center Street
Williamsburg, Virginia 23188
(757) 220-8888

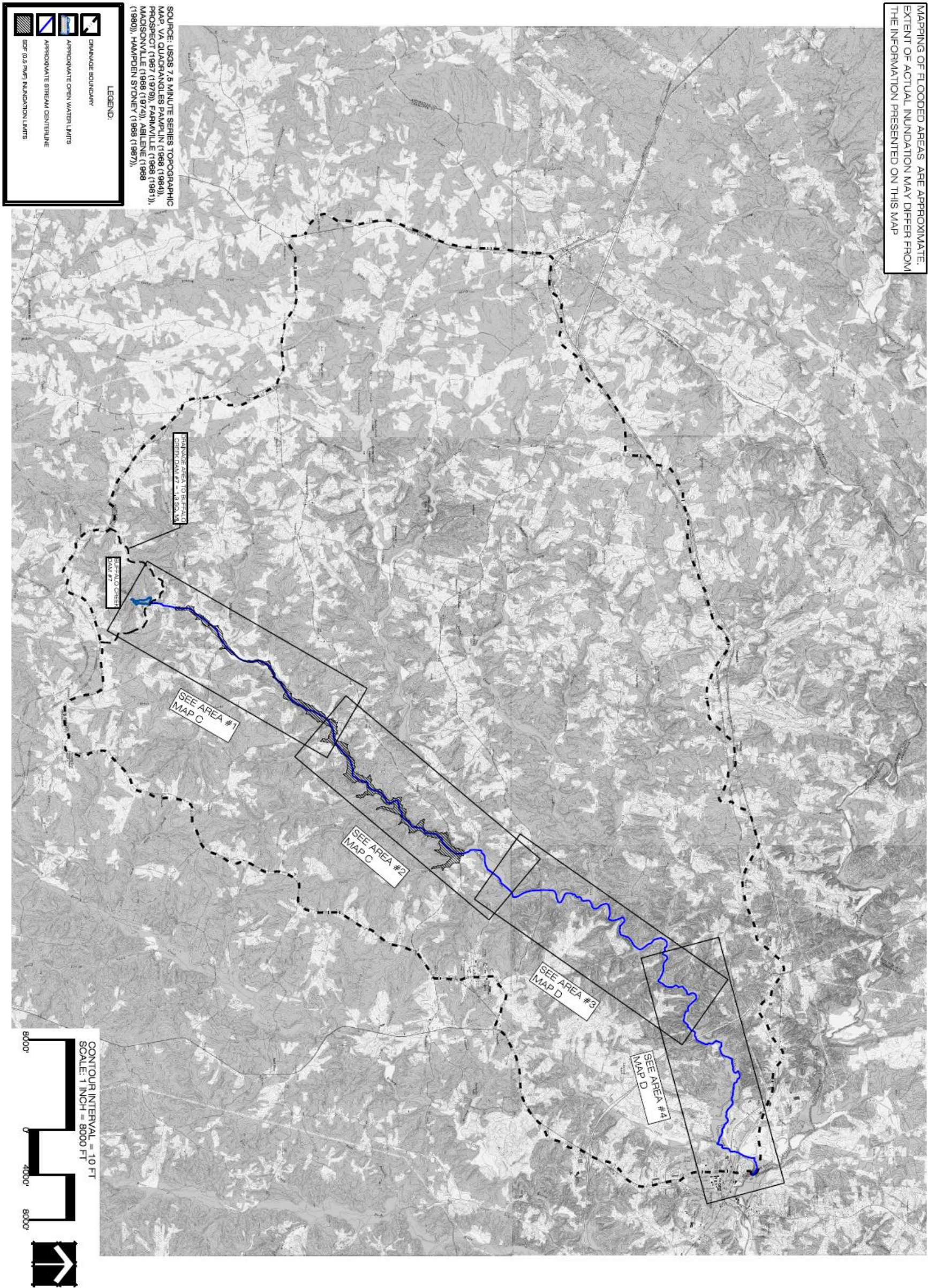
13921 Park Center Road
Suite 160
Hampton, Virginia 21171
(703) 437-3096

1011 Boulder Springs Drive
Suite 225
Richmond, Virginia 23225
(804) 267-3474

5705 Salem Run Blvd.
Suite 105
Fredericksburg, Virginia 22407
(540) 785-5544

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DESIGNED BY:
DATE:
CHECKED BY:
DATE:
MAP: B

REVISIONS:

NO.	DATE	DESCRIPTION
1	11/11/2011	ISSUED FOR REVIEW



**INUNDATION MAP - OVERALL
BUFFALO CREEK DAM #7
PRINCE EDWARD COUNTY, VIRGINIA**

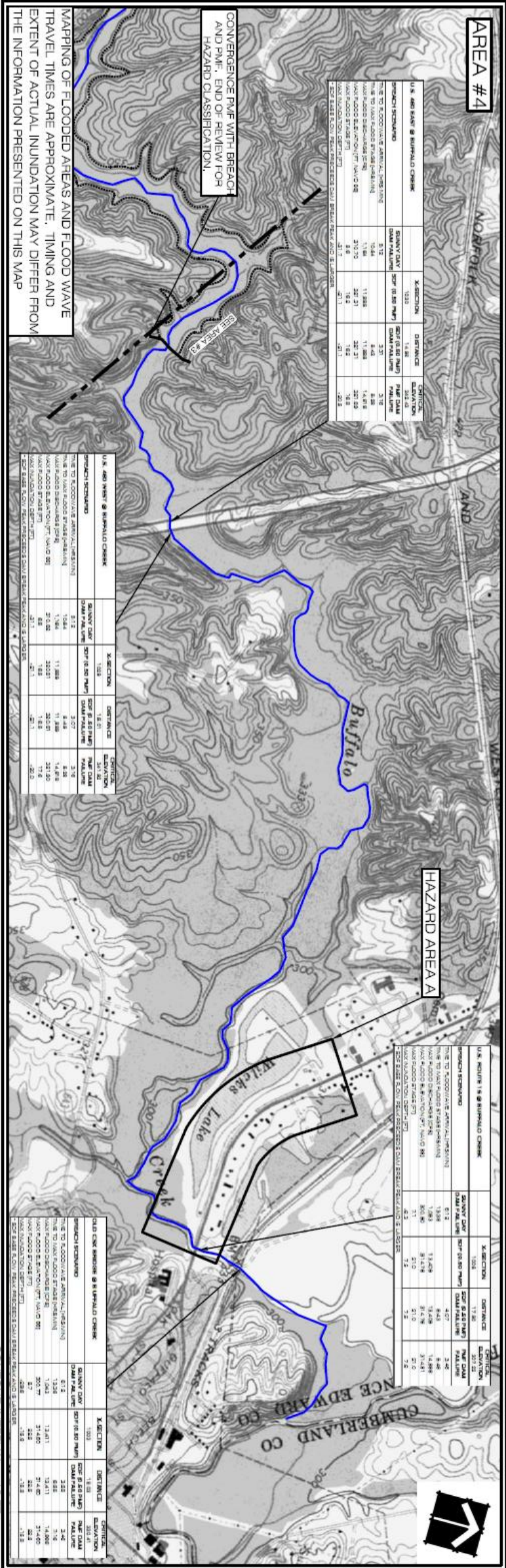
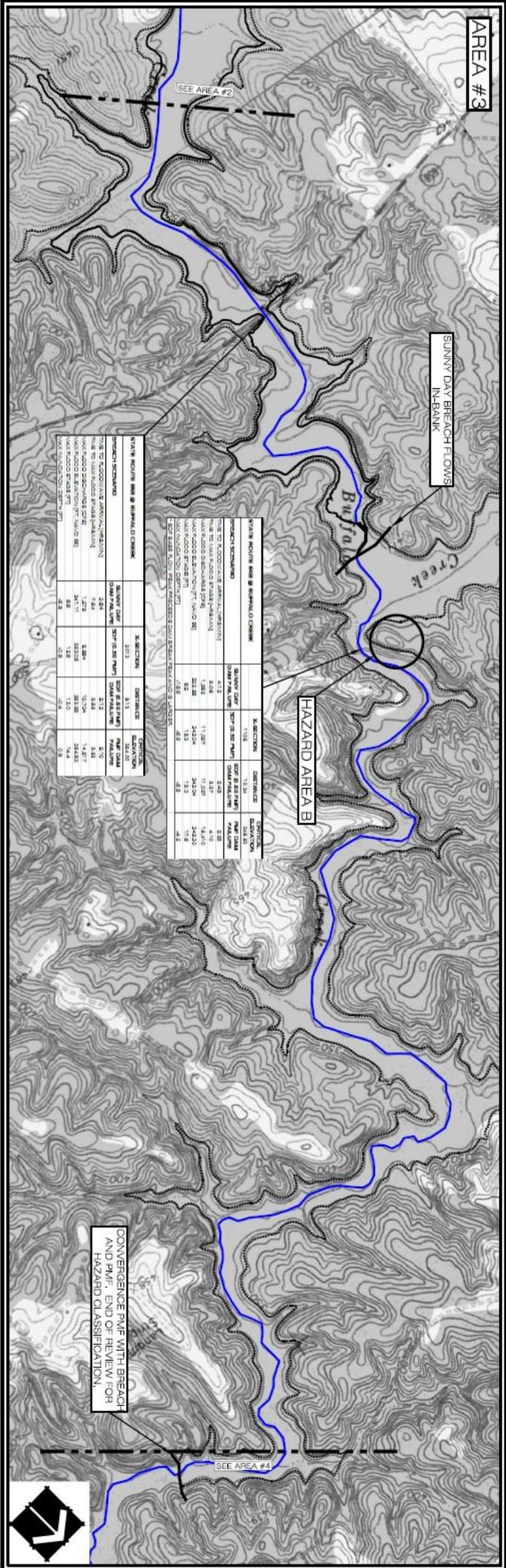
WEG
WILLIAMSBURG
ENVIRONMENTAL
GROUP, INC.

5209 Center Street
Williamsburg, Virginia 23188
(757) 220-6869

1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474

150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544

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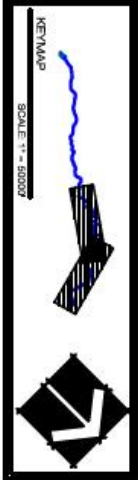


LEGEND:

☒ SUNNY DAY BREACH INUNDATION LIMITS

☒ SDF (0.5 PMF) INUNDATION LIMITS

☒ PMF WITH BREACH INUNDATION LIMITS



DESIGNED BY: DAB

CHECKED BY: SCB

DATE: 11/11/11

MAP: D

REVISIONS:

NO.	DATE	DESCRIPTION
1	11/11/11	ISSUED FOR PERMITTING



INUNDATION MAP - LOWER BUFFALO CREEK DAM #7

PRINCE EDWARD COUNTY, VIRGINIA



5209 Center Street
Williamsburg, Virginia 23188
(757) 220-6869

1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474

150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544

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LEGEND:

DRAINAGE BOUNDARY

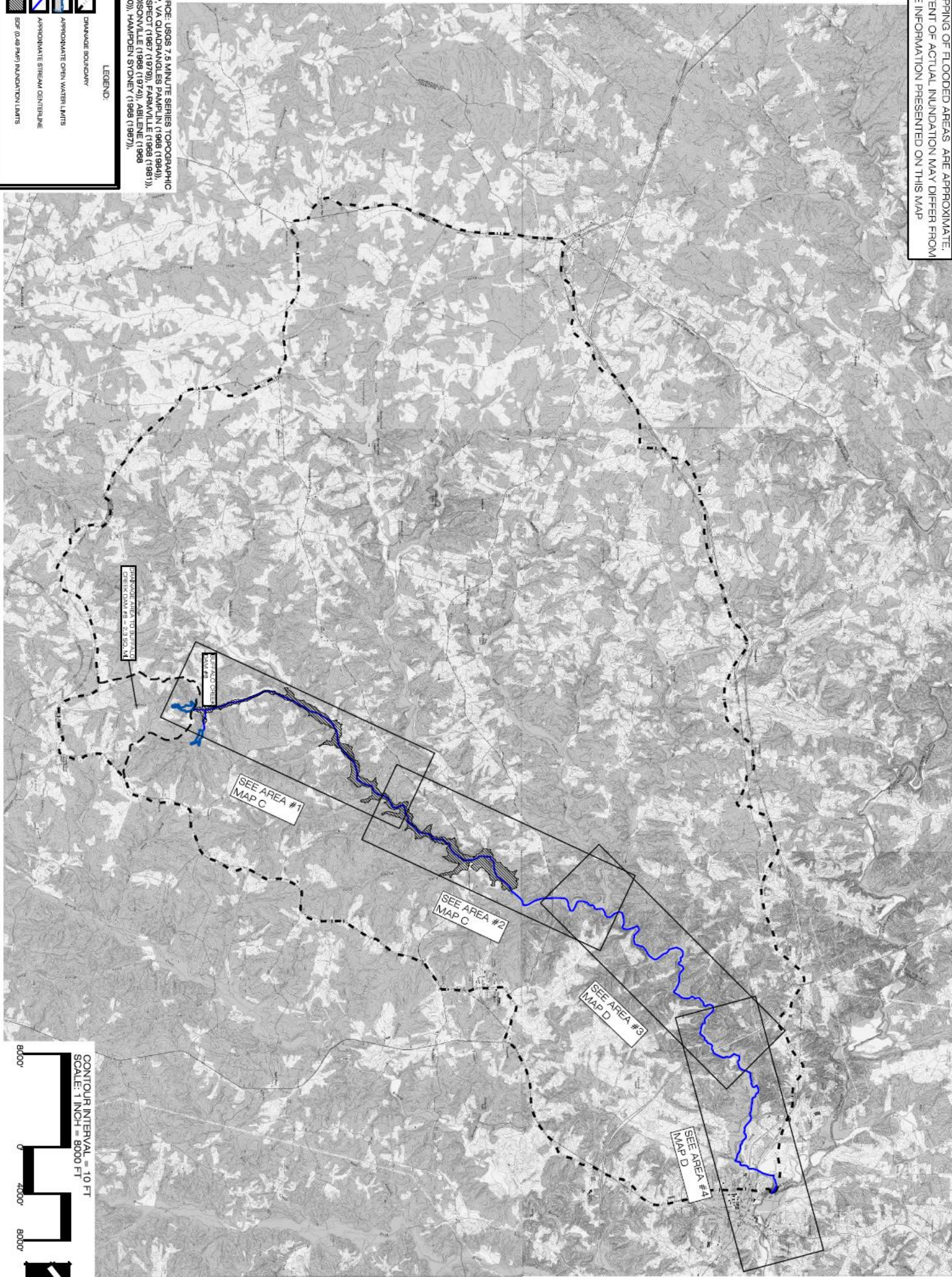
APPROXIMATE OPEN WATER LIMITS

APPROXIMATE STREAM CENTERLINE

0.48 MAP INUNDATION LIMITS

SOURCE: USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP, VA QUADRANGLES PAWPLIN (1968 (1968)), PROSPECT (1967 (1979)), FARMVILLE (1968 (1968)), MADISONVILLE (1968 (1974)), ABILENE (1968 (1968)), HAMPTON SYDNEY (1968 (1967)).

MAPPING OF FLOODED AREAS ARE APPROXIMATE. EXTENT OF ACTUAL INUNDATION MAY DIFFER FROM THE INFORMATION PRESENTED ON THIS MAP



8000'

0

4000'

8000'

CONTOUR INTERVAL = 10 FT

SCALE: 1 INCH = 8000 FT



DESIGNED BY: [Signature]

DATE: 2-11-2011

SCALE: 1"=8000'

MAP: B

DESIGNED BY: [Signature]

DATE: 2-11-2011

SCALE: 1"=8000'

MAP: B

DESIGNED BY: [Signature]

DATE: 2-11-2011

SCALE: 1"=8000'

MAP: B

INUNDATION MAP - OVERALL

BUFFALO CREEK DAM #8

PRINCE EDWARD COUNTY, VIRGINIA

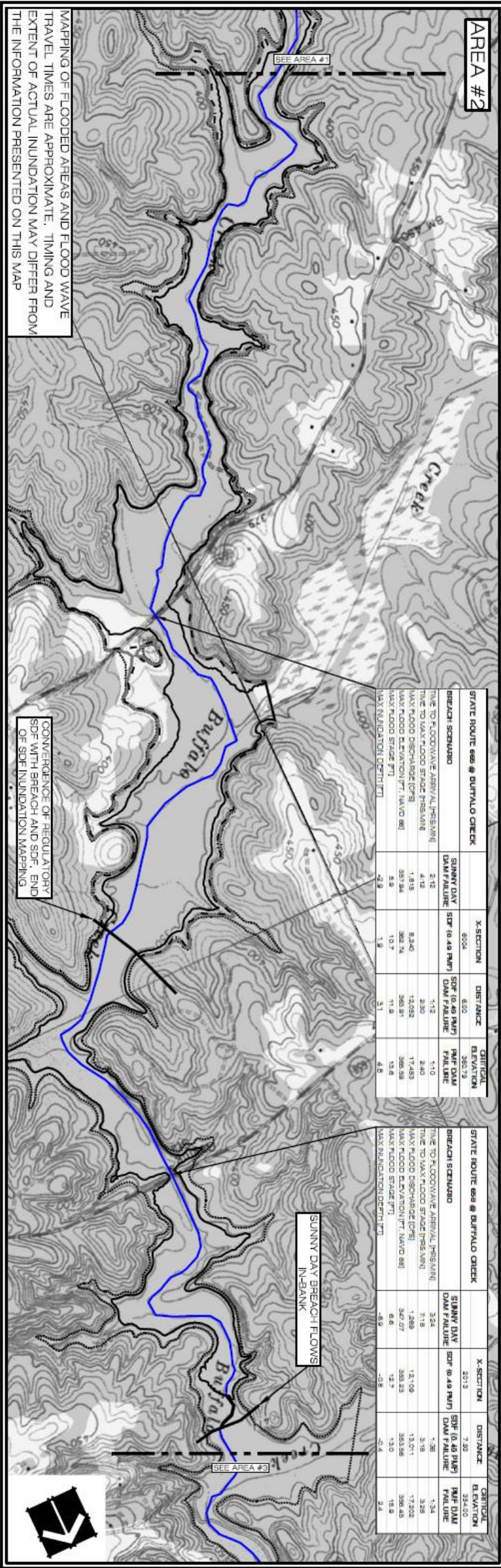
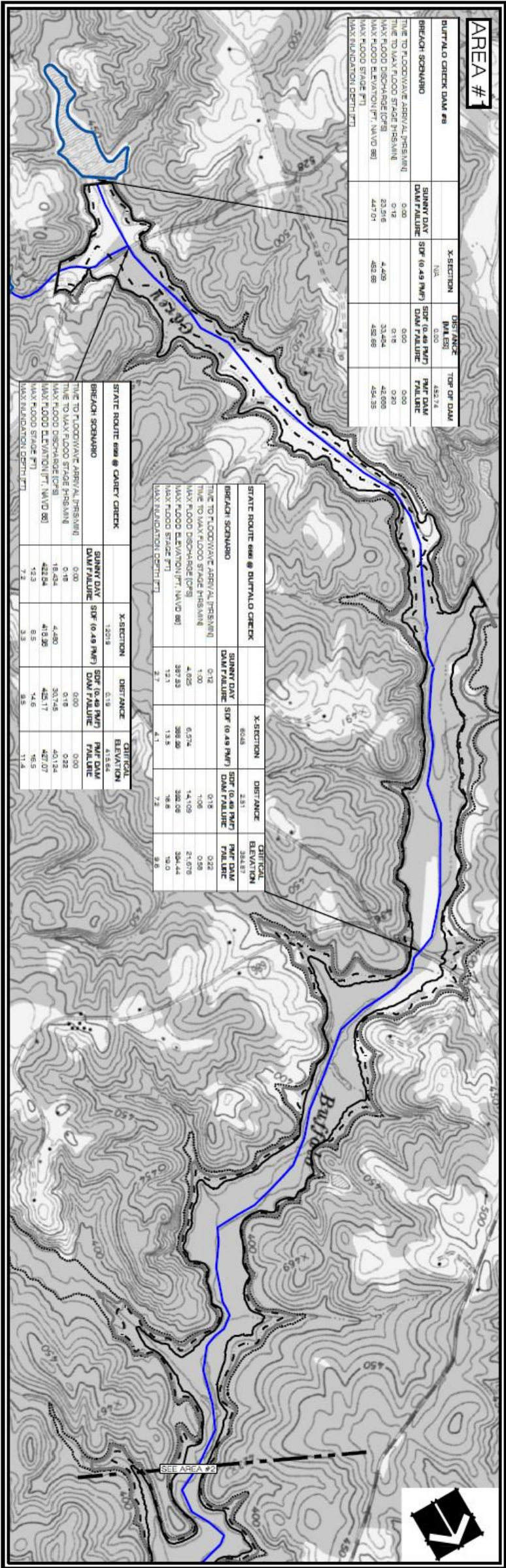


5209 Center Street
Williamsburg, Virginia 23188
(757) 220-6869

1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474

150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544

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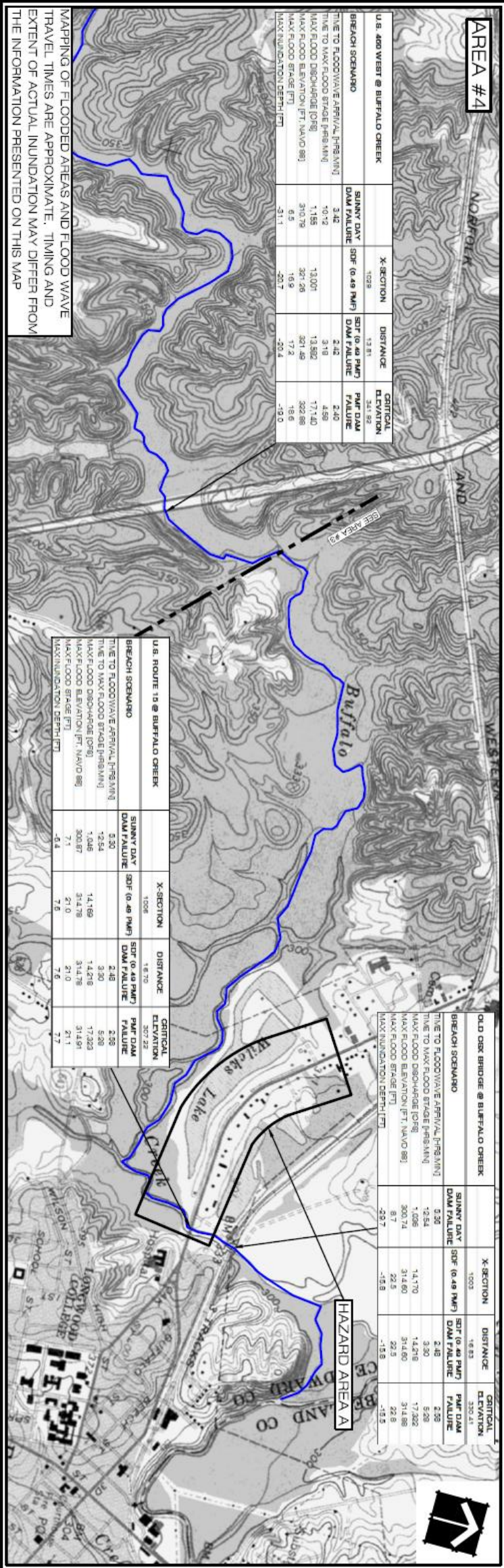
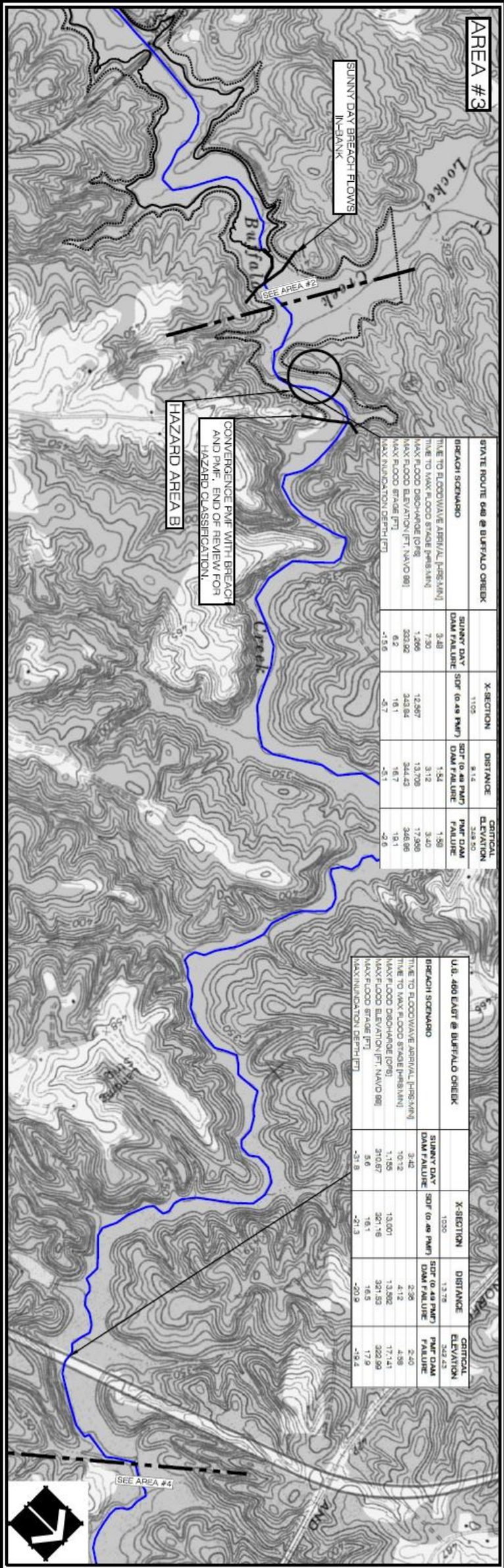


**INUNDATION MAP - UPPER
BUFFALO CREEK DAM #8
PRINCE EDWARD COUNTY, VIRGINIA**



5209 Center Street
Williamsburg, Virginia 23188
(757) 220-8869
1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474
150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544

Environmental Consultants



**INUNDATION MAP - LOWER
BUFFALO CREEK DAM #8
PRINCE EDWARD COUNTY, VIRGINIA**

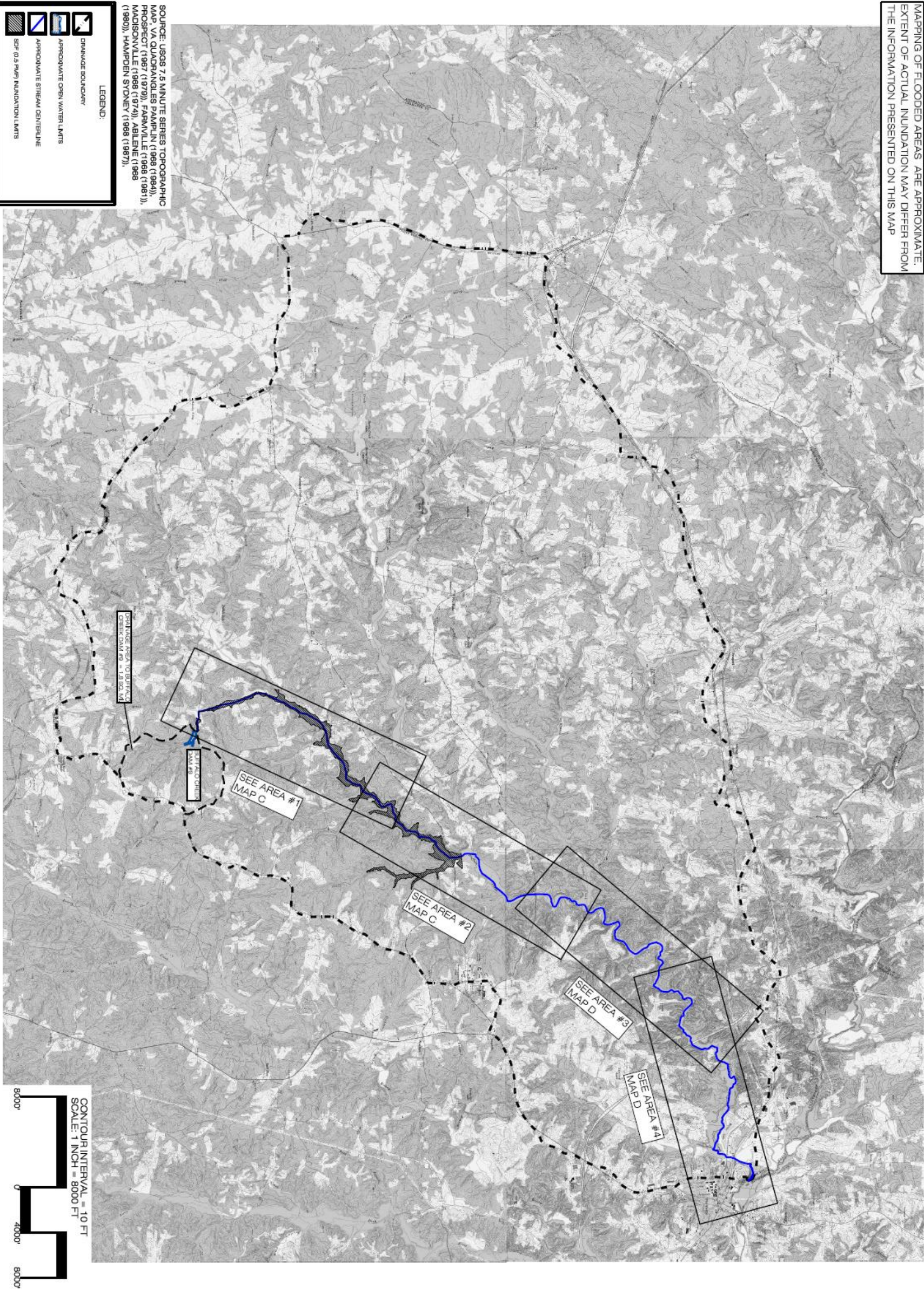


5209 Center Street
Williamsburg, Virginia 23188
(757) 220-8869

1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474

150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544

Environmental Consultants



DRAWN BY: BWS
DATE: 2-11-2011
CHECKED BY: BWS
SCALE: 1" = 8000'
MAP: B

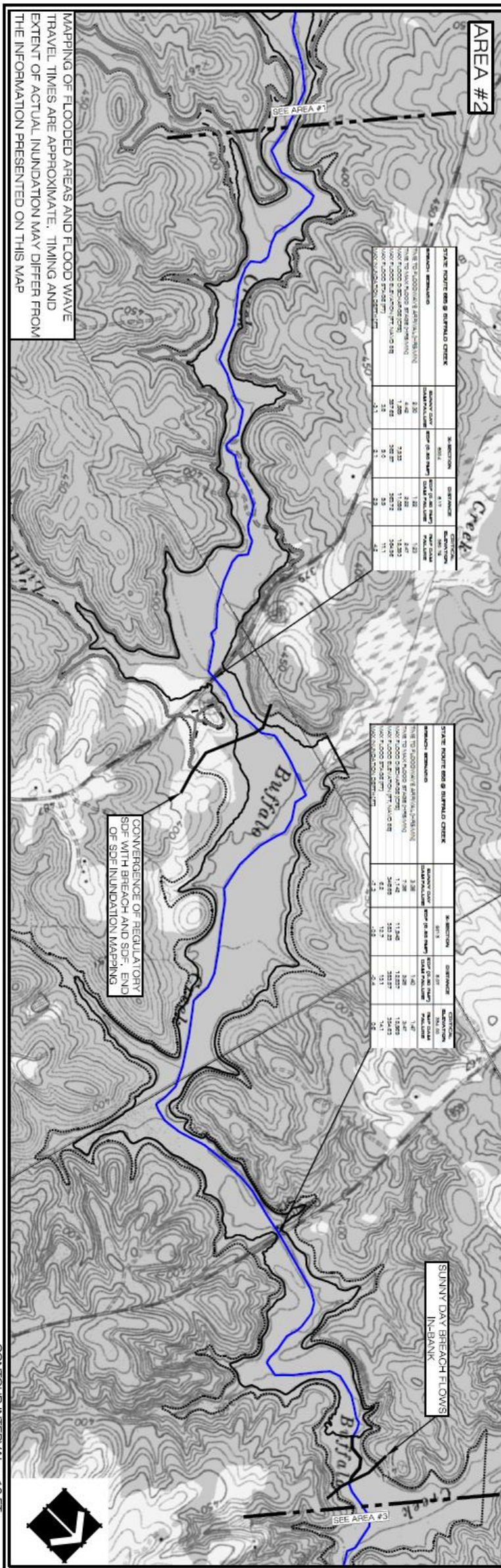
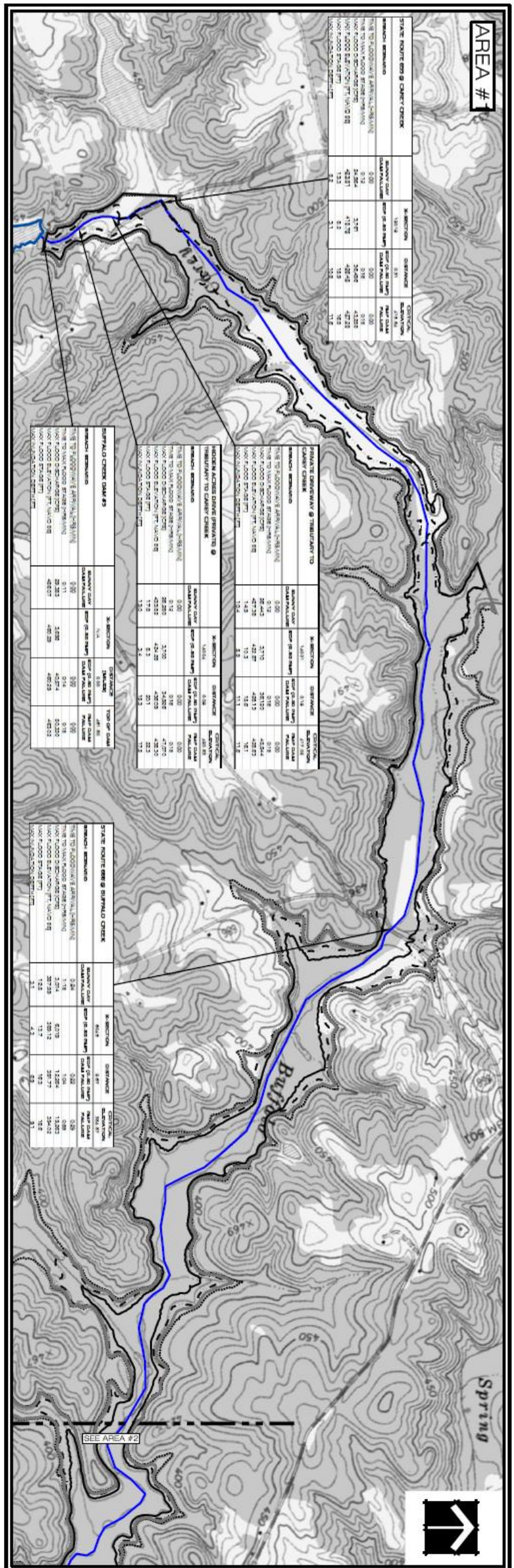


**INUNDATION MAP - OVERALL
BUFFALO CREEK DAM #9
PRINCE EDWARD COUNTY, VIRGINIA**



5209 Center Street
Williamsburg, Virginia 23188
(757) 220-6869
1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474
150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-8544

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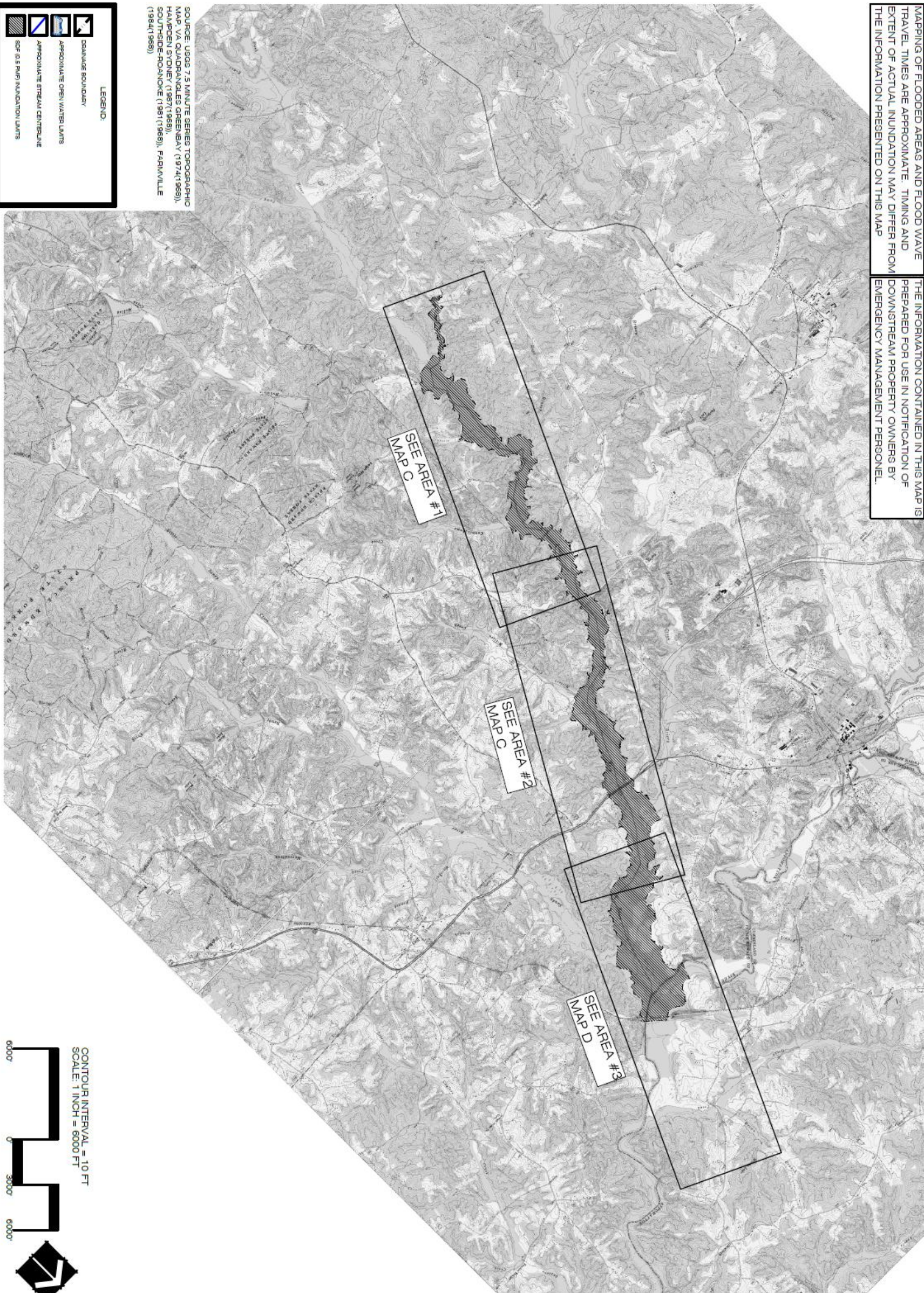
LEGEND:

- DRAINAGE BOUNDARY
- APPROXIMATE OPEN WATER LIMITS
- APPROXIMATE STREAM CENTRLINE
- 500 TO 5 RAMP INUNDATION LIMITS

SOURCE: USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP, VA QUADRANGLES GREENBAY (1974/1969), HAMPODEN S/DNEY (1967/1969), SOUTHSIDE-ROANOKE (1961/1969), FARMVILLE (1964/1969)

MAPPING OF FLOODED AREAS AND FLOOD WAVE TRAVEL TIMES ARE APPROXIMATE. TIMING AND EXTENT OF ACTUAL INUNDATION MAY DIFFER FROM THE INFORMATION PRESENTED ON THIS MAP.

THE INFORMATION CONTAINED IN THIS MAP IS PREPARED FOR USE IN NOTIFICATION OF DOWNSTREAM PROPERTY OWNERS BY EMERGENCY MANAGEMENT PERSONNEL.



CONTOUR INTERVAL = 10 FT
SCALE: 1 INCH = 6000 FT

DESIGNED BY: [Signature]
DATE: 4/19/2011
DRAWN BY: [Signature]
DATE: 4/19/2011
CHECKED BY: [Signature]
DATE: 4/19/2011
MAP: B



**INUNDATION MAP - OVERALL
BUSH RIVER DAM #2
PRINCE EDWARD COUNTY, VIRGINIA**

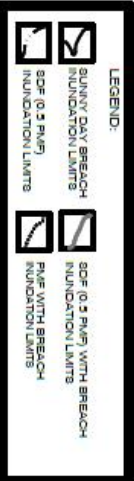
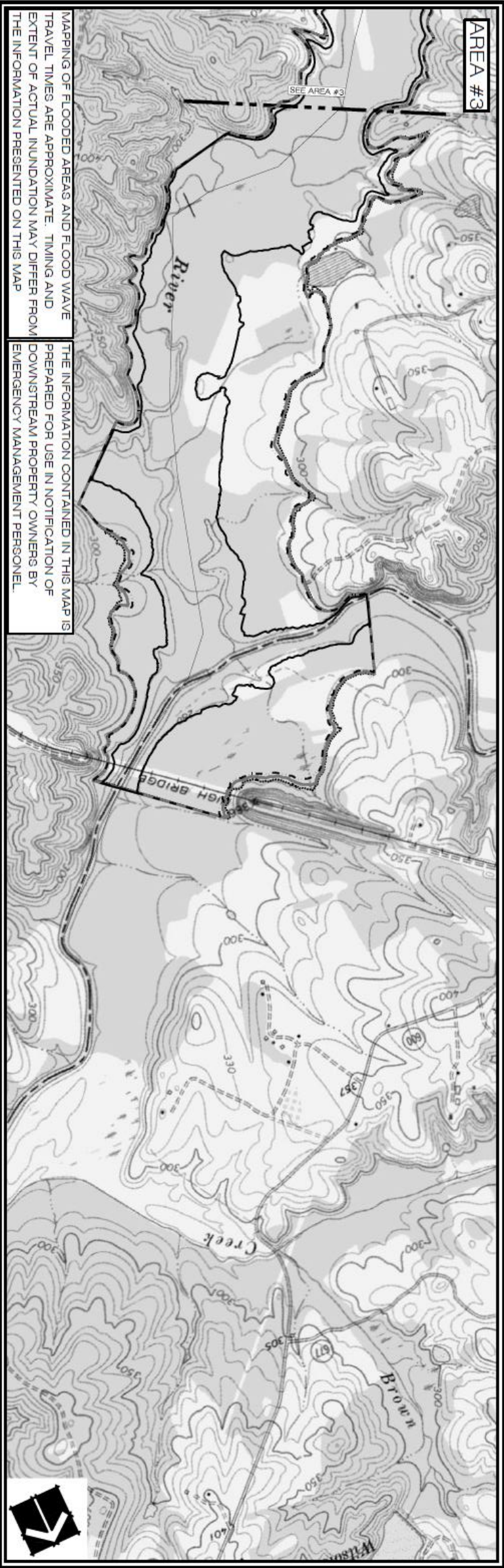
WEG
WILLIAMSBURG
ENVIRONMENTAL
GROUP, INC.

5209 Center Street
Williamsburg, Virginia 23188
(757) 220-6669

1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474

150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544

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INUNDATION MAP - #2
BUSH RIVER DAM #2
PRINCE EDWARD COUNTY, VIRGINIA



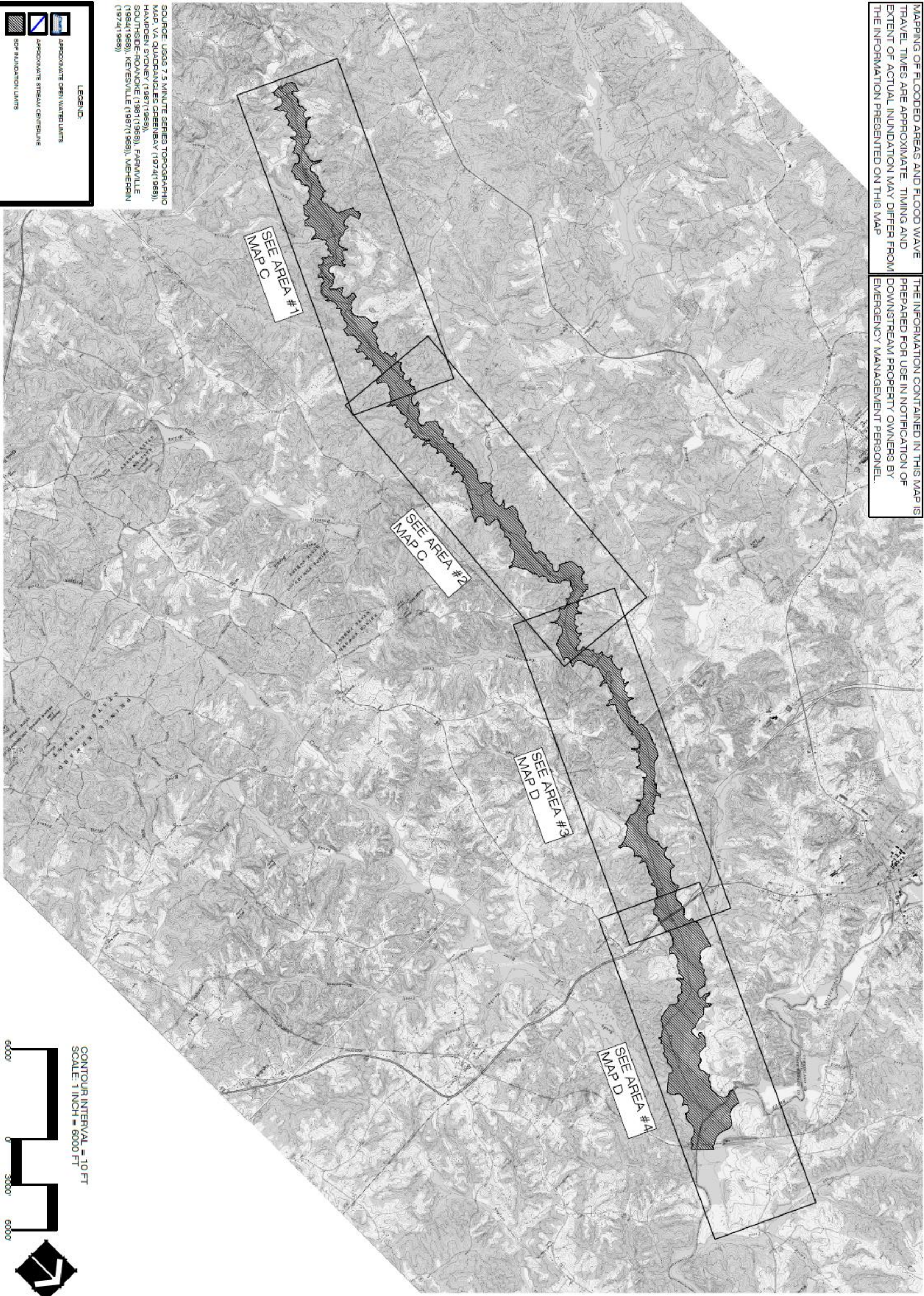
WEG
WILLIAMSBURG ENVIRONMENTAL GROUP, INC.

5209 Center Street
Williamsburg, Virginia 23188
(757) 220-6869

1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23225
(804) 267-3474

150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544

Environmental Consultants

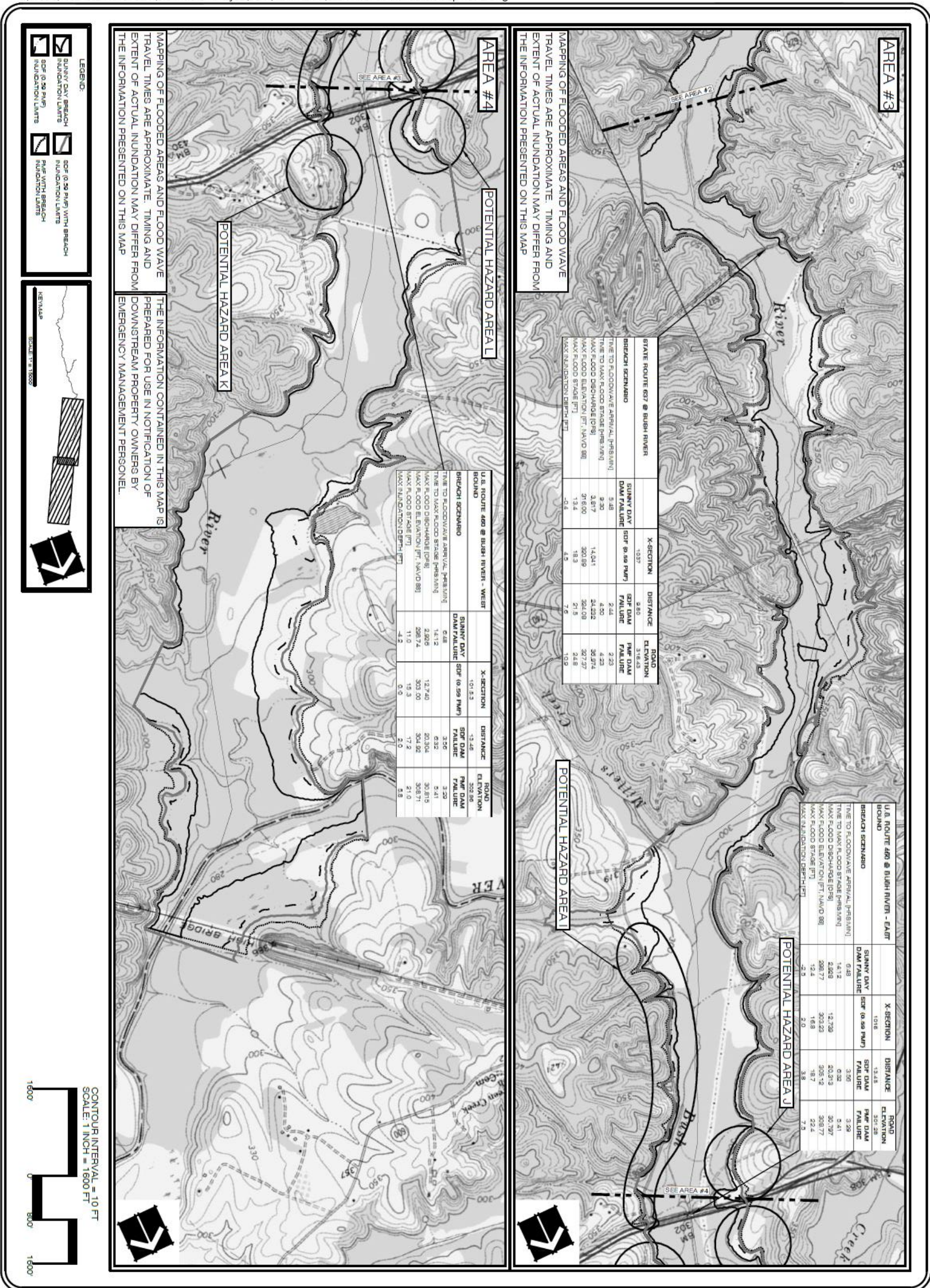




Drawn by: [blank] Checked by: [blank]
Date: [blank] Scale: 1" = 6000'
MAP: B

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DESIGNED BY: [blank]
DATE: [blank]
SCALE: 1" = 6000'
MAP: B

**INUNDATION MAP - OVERALL
BUSH RIVER DAM #7
PRINCE EDWARD COUNTY, VIRGINIA**

WEG
WILLIAMSBURG ENVIRONMENTAL GROUP, INC.
2009 Center Street
Williamsburg, Virginia 23186
(757) 220-6869
1011 Boulder Springs Drive, Suite 225
Richmond, Virginia 23226
(804) 267-3474
150 Riverside Parkway, Suite 301
Fredericksburg, Virginia 22406
(540) 785-5544
Environmental Consultants



DRAWN BY: _____ DATE: _____ CHECKED BY: _____ DATE: _____ TITLE: _____ MAP: _____ SCALE: _____ DATE: _____	REVISIONS: NO. _____ DATE _____ BY _____ DESCRIPTION _____ NO. _____ DATE _____ BY _____ DESCRIPTION _____		<h2 style="margin: 0;">INUNDATION MAP - #2</h2> <h2 style="margin: 0;">BUSH RIVER DAM #7</h2> <h3 style="margin: 0;">PRINCE EDWARD COUNTY, VIRGINIA</h3>	 WILLIAMSBURG ENVIRONMENTAL GROUP, INC. 5209 Center Street Williamsburg, Virginia 23188 (757) 220-6869 1011 Boulder Springs Drive, Suite 225 Richmond, Virginia 23225 (804) 267-3474 150 Riverside Parkway, Suite 301 Fredericksburg, Virginia 22406 (540) 785-5544 Environmental Consultants
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