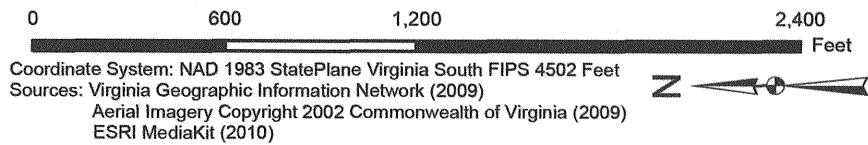


- Cross Section
- Stream
- Spillway Design Flood
- Sunny Day Breach
- Spillway Design Flood With Breach
- School
- Hospital
- City/County Boundary

Sunny Day Dam Breach			Spillway Design Flood Breach		
Cross Section	Distance from Dam (miles)	First Flood Waters* (hr:min)	Peak Flood Level* (hr:min)	Depth of Water*** (feet)	First Flood Waters** (hr:min)
AA	20.7	3:05	4:26	25.0	17:50
BB	22.2	3:15	4:27	36.2	19:10

- Notes:
- The information contained in this map is prepared for use in notification of downstream property owners by emergency management personnel.
  - Mapping of flooded areas and floodwave travel times are approximate. Timing and extent of actual inundation may differ from information presented on this map.
  - It is prudent to assume that areas outside, but adjacent to, the inundation limits shown could also be flooded.
  - Due to the topography, floodwave similarities, and map scale, inundation lines may obscure other inundation lines at some locations on the map.

- Hazard Potential Classification: **HIGH**
- Spillway Design Flood: **Probable Maximum Flood**
- The dam's hazard potential classification information shown in this map documents the conditions at the time the map is signed and printed.
- The impacted addresses shown on the map are a result of the Spillway Design Flood with Breach.
- Dam break inundation zone maps shall be provided by the owner to the local government for use in review of proposed development plans and zoning.



DESIGNED BY:  
MRG

DRAWN BY:  
GAN

CHECKED BY:  
AWG

ANTHONY W. GRUBBS, P.E.

DATE: 6/24/11

VIRGINIA PROFESSIONAL ENGINEER NUMBER  
04668

REV

DESCRIPTION

DATE

COMMONWEALTH OF VIRGINIA

ANTHONY W. GRUBBS

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11A OAK BRANCH DR / GREENSBORO, NC 27407  
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CARVINS COVE DAM BREACH ANALYSIS  
DAM BREAK INUNDATION ZONE MAP  
BOTETOURT COUNTY, VA

PANEL 7

WESTERN VIRGINIA  
WATER AUTHORITY

DRAWING NO:  
11821007.00

SHEET:  
8 OF 10