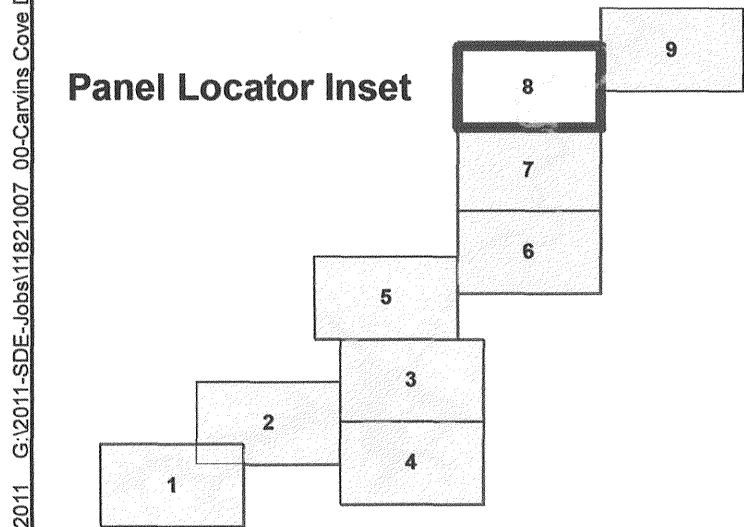


6/15/2011 3:20:11 PM S:\SDE\06811821007_00\Carvins Cove Dam Breach Analysis\GIS\CC Panel8.mxd



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

Cross Section	Distance from Dam (miles)
CC	25.1

Sunny Day Dam Breach		
First Flood Waters*	Peak Flood Level*	Depth of Water** (feet)
3:20 (hr:min)	4:28 (hr:min)	49.6

Spillway Design Flood Breach		
First Flood Waters**	Peak Flood Level*	Depth of Water*** (feet)
20:18 (hr:min)	3:58 (hr:min)	52.3

Notes:

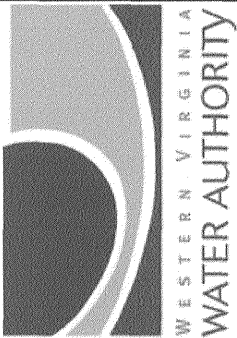
- The information contained in this map is prepared for use in notification of downstream property owners by emergency management personnel.
- Mapping of flooded areas and floodwave travel times are approximate. Timing and extent of actual inundation may differ from information presented on this map.
- 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.

* Start time is the beginning of the breach.
** Start time is the beginning of the storm.
*** Depth of water above channel bottom.

- 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.

0 600 1,200 2,400 Feet
Coordinate System: NAD 1983 StatePlane Virginia South FIPS 4502 Feet
Sources: Virginia Geographic Information Network (2009)
Aerial Imagery Copyright 2002 Commonwealth of Virginia (2009)
ESRI MediaKit (2010)

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DRAWING NO:
11821007.00

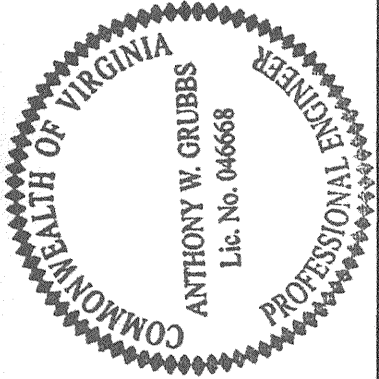
SHEET:
9 OF 10

CARVINS COVE DAM BREACH ANALYSIS
DAM BREAK INUNDATION ZONE MAP
BOTETOURT COUNTY, VA

PANEL 8



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VIRGINIA PROFESSIONAL ENGINEER NUMBER 046668		
DATE: 6/24/11		

REV	DESCRIPTION	DATE
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