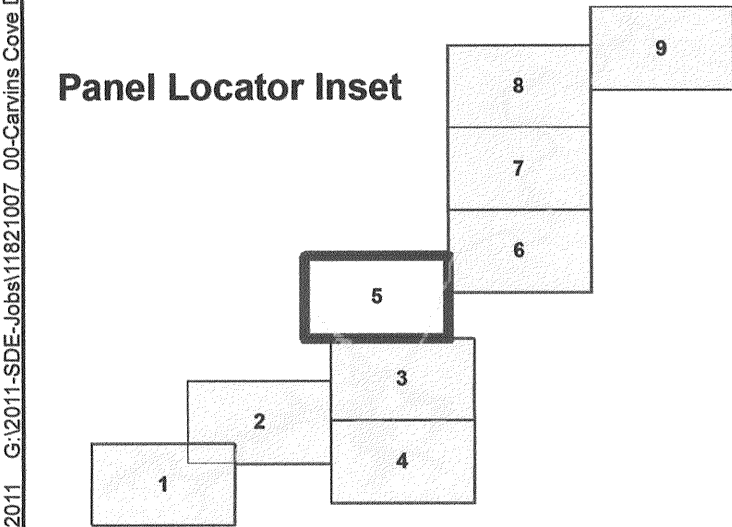


6/12/2011 1:50 PM C:\Users\joh11821007_00\Documents\Carvins Cove Dam Breach Analysis\GIS\CCG_Panels.mxd

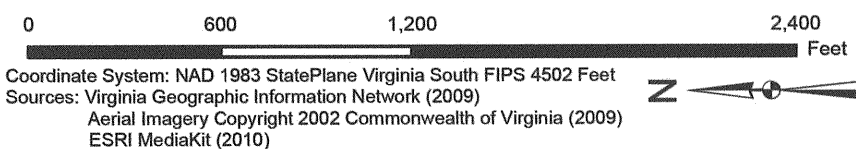


- Cross Section
- Stream
- Spillway Design Flood
- Sunny Day Breach
- Spillway Design Flood With Breach
- School
- Hospital
- City/County Boundary

Sunny Day Dam Breach			Spillway Design Flood Breach		
Cross Section	Distance from Dam (miles)	Depth of Water** (feet)	First Flood Waters* (hr:min)	Peak Flood Level* (hr:min)	Depth of Water*** (feet)
X	13.0	20.2	2:00	3:55	33.9
Y	13.9	34.3	2:10	4:00	44.9

- 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

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CARVINS COVE DAM BREACH ANALYSIS

DAM BREAK INUNDATION ZONE MAP

BOTETOURT COUNTY, VA

PANEL 5

WESTERN VIRGINIA
WATER AUTHORITY

DRAWING NO:

11821007.00

SHEET:

6 OF 10

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