



SUMMARY OF RESULTS					
CARVINS COVE DAM					
Cross Section	No Dam Failure PMF Event	Dam Failure No Event	Dam Failure PMF Event	Time to Peak From end of Dam Failure (time to fail = 0.1 hrs.)	
No.	Miles From Dam	WATERSURFACE ELEVATION (NGVD)			
1A	0.00	1106.86	1113.41	1119.26	5.9 min
2A	0.03	1106.86	1106.31	1111.71	6.2 min
3A	0.19	1106.86	1104.42	1101.18	6.9 min
4A	0.58	1106.86	1104.42	1101.18	7.1 min
1B	0.76	1071.68	1076.73	1085.28	29.5 min
2B	1.19	1067.22	1072.15	1080.66	29.5 min
3B	2.99	1043.82	1046.30	1057.07	56.5 min
4B	4.82	1036.08	1027.10	1045.92	56.5 min
5B	6.68	1020.72	1006.58	1027.14	56.5 min
6B	9.38	956.88	940.20	961.96	83.5 min
7B	10.95	928.83	916.82	933.27	83.5 min

LEGEND	
	DAM FAILURE PMF EVENT
	DAM FAILURE NO EVENT
	NO DAM FAILURE PMF EVENT
	100-YEAR FLOOD BOUNDARY
	CENTERLINE OF STREAM

**INUNDATION MAP (NORTH HALF)**  
PART OF ROANOKE QUADRANGLE, VIRGINIA  
7.5 MINUTE SERIES SCALE 1"=1000' (ORIGINAL 1"=2000')  
COMPILED BY HAYES SEAY MATTERN & MATTERN, INC. ROANOKE, VA.  
JULY 1, 1988