

APPENDICES

APPENDIX A

Hydrologic Analysis Summary: Table 1 & Table 2
Convergence Point Cross Sections (25-Yr and 100-Yr Events)

Hydrologic Analysis Summary
Table 1: Peak Flow Summary Table
Table 2: Sub-Area Information

HYDROLOGIC ANALYSIS SUMMARY

Virginia Highlands, LLC

Project No. 06-165-03

Peak Flow Summary Table

Station Designation	100-Yr, 24-Hr Peak Flow (cfs)	25-Yr, 24-Hr Peak Flow (cfs)	Contributing Sub-Areas	Zone Designation
A	955.00	670.00	1	Zone I
B	1,295.00	905.00	2	
C	1,693.00	1,186.00	1-3	
D	3,297.00	2,279.00	1-4	
E	266.00	186.00	5	Zone II
F	1,584.00	1,125.00	6	
G	1,969.00	1,397.00	5-8	
H	2,677.00	1,896.00	9	
I	240.00	170.00	10	
J	3,060.00	2,167.00	9-12	
K	699.00	488.00	14	
L	237.00	156.00	15	
M	786.00	548.00	14-17	
N	4,514.00	3,195.00	9-18	
O	6,968.00	4,887.00	9-20	
P	10,356.00	7,270.00	9-21	Zone III
Q	1,549.00	997.00	22	
R	596.00	396.00	23	
S	1,794.00	1,162.00	22-25	
T	3,139.00	2,119.00	22-26	Zone IV
U	852.00	594.00	27	

Prepared: July 7, 2006

Table 1

HYDROLOGIC ANALYSIS SUMMARY

Virginia Highlands, LLC

Project No. 06-165-03

Sub-Area Information

Sub-Area Designation	Sub-Area Size (Acres)	Zone Designation
1	542.30	Zone I
2	758.10	
3	413.20	
4	1,001.90	
5	165.00	Zone II
6	1,288.60	
7	365.50	
8	150.00	
9	2,184.90	
10	198.50	
11	306.40	
12	287.20	
14	615.30	
15	230.40	
16	93.60	
17	401.00	
13	707.20	
18	817.10	
19	876.80	
20	167.80	
21	222.00	
22	1,469.70	Zone III
23	595.70	
24	273.90	
25	251.80	
26	914.40	Zone IV
27	736.00	

Prepared: July 1, 2006

Table 2