

Appendix H – Flood Profiles

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**Hiwassee River Flood Profiles
Downstream of Apalachia Dam**

River Mile	100-Year Flood (ft)¹	500-Year Flood (ft)¹	Landmark
43.20	732.7	738.7	Gee Creek Campground
43.80	734.5	740.0	Gee Creek Campground
53.30	848.1	853.1	Apalachia Powerhouse
53.32	848.3	853.3	
53.43	849.5	854.9	
53.55	850.9	855.8	
53.60	851.9	856.9	
53.70	854.7	860.7	
53.80	855.7	861.6	
53.92	857.3	863.1	
54.02	859.4	864.8	
54.10	862.0	867.1	
54.20	863.9	868.8	
54.48	866.0	872.9	
54.96	881.8	891.3	
55.60	904.3	910.4	
56.00	921.7	926.7	
56.30	930.5	935.5	
56.60	938.2	943.1	
56.85	947.1	951.9	
56.90	951.4	956.7	
57.45	956.1	962.7	
57.65	962.6	969.4	
57.80	969.7	976.2	
57.95	973.9	980.2	
58.20	983.4	989.3	
58.80	1010.9	1014.5	
59.20	1035.0	1038.2	
59.40	1042.9	1046.4	
59.50	1046.4	1049.1	
59.80	1055.0	1059.5	
60.40	1070.9	1075.1	
61.00	1087.6	1090.6	
61.70	1113.7	1116.7	
62.20	1125.7	1129.4	
62.40	1130.9	1134.5	
62.50	1133.8	1137.8	
62.59	1134.5	1138.8	
62.61	1134.8	1139.6	
62.80	1140.1	1144.6	
62.90	1142.3	1147.1	
63.20	1145.2	1150.4	
63.50	1152.7	1156.3	
64.00	1160.4	1164.6	
64.60	1171.1	1175.6	
64.70	1172.8	1177.8	
65.40	1177.9	1183.1	
65.45	1178.3	1183.5	
65.48	1178.5	1183.7	
65.50	1178.7	1183.8	
65.70	1181.1	1186.6	
65.80	1181.4	1186.9	
65.82	1181.7	1187.2	
66.00	1182.3	1187.8	Downstream of Apalachia Dam

¹All Elevations are NGVD 1929

Hiwassee River Flood Profiles Downstream of Chatuge Dam

River Mile		100-Year Elevation (ft) ¹	500-Year Elevation (ft) ¹	Landmark
120.00		1804.5	1809.6	
120.03		1804.7	1809.8	
120.12	D*	1805.0	1810.4	Aeration Weir
120.12	U*	1810.3	1814.4	
120.33		1810.5	1814.6	
120.54	D*	1810.9	1815.3	Barnard Bridge
120.54	U*	1811.3	1815.8	
121.00		1811.8	1816.5	Downstream of Chatuge Dam

¹All Elevations are NGVD 1929

*Downstream and Upstream at Bridge or Weir

Little Tennessee River Approximate Flood Profiles Downstream of Fontana Dam

River Mile	Approximate 100-Year Elevation (ft) ¹	Approximate 500-Year Elevation (ft) ¹	Landmark
59.10	1280.0	1283.5	
59.93	1282.5	1287.0	
61.00	1286.0	1291.0	Downstream of Fontana Dam

¹All Elevations are NGVD 1929

Hiwassee River Flood Profiles Hiwassee Reservoir

River Mile		100-Year Elevation (ft) ¹	500-Year Elevation (ft) ¹	Landmark
75.80		1529.0	1530.0	Hiwassee Dam
90.20		1529.0	1530.0	
92.80		1529.0	1530.0	
93.60		1529.0	1530.0	
95.00		1529.0	1530.0	
95.69		1529.0	1530.0	
96.20		1529.0	1530.0	
96.26		1529.0	1530.0	
96.32	D*	1529.0	1530.0	U.S. Highways 19 & 129
96.32	U*	1529.0	1530.0	
96.41		1529.0	1530.0	
96.56		1529.0	1530.0	
96.75	D*	1529.1	1530.2	U.S. Highway 64
96.75	U*	1529.7	1530.9	
96.80		1530.7	1532.1	
97.00		1531.1	1532.5	
97.01		1531.1	1532.5	
97.02		1531.2	1532.5	
97.12		1531.5	1532.8	
97.15		1531.5	1532.9	
97.28		1532.0	1533.3	
97.47		1532.3	1533.6	
97.74		1534.5	1535.6	
97.80		1535.3	1536.3	

¹All Elevations are NGVD 1929

*Downstream and Upstream at Bridges

Nottely River Flood Profiles Downstream of Nottely Dam

River Mile	100-Year Elevation (ft) ¹	500-Year Elevation (ft) ¹	Landmark
20.20	1606.2	1612.1	
20.28	1606.7	1612.6	
20.66	1612.3	1617.1	
21.00	1614.1	1618.7	Downstream of Nottely Dam

¹All Elevations are NGVD 1929

Ocoee River Flood Profiles Downstream of Ocoee #1 Dam

River Mile		100-Year Flood (ft) ¹	500-Year Flood (ft) ¹	Landmark
11.50		739.4	744.2	
11.62	D*	739.5	744.3	Abandoned Railroad Bridge
11.62	U*	740.4	745.8	
11.90		742.0	747.9	Downstream of Ocoee #1 Dam

¹All Elevations are NGVD 1929

*Downstream and Upstream at Bridge

Ocoee River Flood Profiles Ocoee #3 Reservoir

River Mile		100-Year Elevation (ft) ¹	500-Year Elevation (ft) ¹	Landmark
29.20		1438.1	1439.7	Ocoee #3 Dam
30.09		1438.1	1439.7	
31.02		1438.1	1439.7	
32.28		1443.8	1446.0	
32.77		1446.1	1448.2	
32.97		1446.7	1448.9	
33.66		1448.8	1451.3	
33.94		1449.8	1452.4	
34.39		1451.4	1454.1	
34.62		1452.7	1455.5	
34.93		1454.0	1456.9	
35.17	D*	1455.0	1458.1	Rogers Bridge
35.17	U*	1455.2	1458.3	
35.31		1455.4	1458.5	
35.50		1455.6	1458.8	

¹All Elevations are NGVD 1929

*Downstream and Upstream at Bridge

Toccoa River Flood Profiles Downstream of Blue Ridge Dam

River Mile	100-Year Flood (ft)¹	500-Year Flood (ft)¹	Landmark
52.40	1552.8	1556.9	
52.44	1553.1	1557.4	
52.50	1553.2	1557.8	
52.58	1553.6	1558.0	
53.00	1554.2	1558.7	Downstream of Blue Ridge Dam

¹All Elevations are NGVD 1929

Tuckasegee River Flood Profiles Fontana Reservoir

River Mile		100-Year Elevation (ft)¹	500-Year Elevation (ft)¹	Landmark
0.00		1710.0	1710.0	
10.13		1711.6	1714.0	
11.00		1714.3	1716.9	
11.28		1717.8	1720.2	
11.40		1719.7	1722.2	
11.75	D*	1724.7	1728.7	Norfolk Southern Railway
11.75	U*	1727.7	1732.3	
12.09		1728.6	1733.1	
12.25		1729.3	1733.5	
12.51	D*	1732.3	1738.0	Slope Street
12.51	U*	1734.2	1738.9	
12.64		1735.3	1739.5	
12.70		1735.4	1739.5	

¹All Elevations are NGVD 1929

*Downstream and Upstream at Bridge or Weir

Valley River Flood Profiles Hiwassee Reservoir

River Mile		100-Year Elevation (ft) ¹	500-Year Elevation (ft) ¹	Landmark
0.00		1529.0	1530.0	
0.28		1529.0	1530.0	
0.46		1529.0	1531.5	
0.60		1529.0	1532.6	
0.72	D*	1530.1	1533.5	U.S. Highway 19
0.72	U*	1531.4	1535.7	
0.88		1532.2	1536.3	
1.20		1534.9	1538.0	
1.32		1536.3	1539.2	
1.35		1536.5	1539.4	
1.39		1536.7	1539.6	
1.43		1537.0	1539.9	
1.49		1537.2	1540.0	
1.52		1537.5	1540.3	
1.56		1538.2	1541.0	
1.58		1538.3	1541.2	
1.62		1538.9	1541.8	
1.67	D*	1538.9	1541.8	Murphy High School Road
1.67	U*	1541.4	1543.2	
1.72		1541.7	1543.4	
1.91		1542.8	1544.8	
2.06		1543.2	1545.3	
2.10		1543.3	1545.3	
2.17		1543.9	1546.0	
2.20		1543.9	1546.0	

¹All Elevations are NGVD 1929

*Downstream and Upstream at Bridges