

## **Appendix E**

### **Estimated Flood Elevations Upstream From Nolichucky Dam Under Each of the Four Alternatives that Were Evaluated in Detail**

### Estimated flood elevations upstream from Nolichucky Dam under each of the four alternatives that were evaluated in detail

Landmark	River Mile	Alternatives A and B (Present Conditions)		Alternative C (Lowered Dam)		Alternative D (Dam Removed)	
		100-Year	500-Year	100-Year	500-Year	100-Year	500-Year
Nolichucky Dam	45.90	1260.5	1266.5	1222.1	1229.1	1199.9	1209.6
	46.18	1261.8	1268.3	1224.0	1231.2	1208.7	1216.4
	46.48	1262.7	1269.5	1225.8	1233.3	1212.7	1220.0
	47.03	1263.1	1269.8	1228.3	1236.0	1216.0	1223.7
	47.30	1263.7	1270.6	1229.4	1237.4	1218.9	1226.2
	47.74	1263.9	1270.6	1230.6	1238.7	1222.4	1230.0
	48.46	1265.4	1272.6	1232.4	1240.3	1227.7	1235.2
	48.78	1266.9	1274.6	1235.4	1244.7	1234.0	1242.3
	49.64	1268.0	1275.7	1237.7	1246.9	1235.6	1243.8
Bird Bridge	50.10	1269.1	1276.7	1239.5	1248.4	1238.4	1245.9
	50.26			1240.5	1249.3	1238.6	1246.0
	50.34 D	1269.9	1277.6	**	**	**	**
	50.34 U	1271.8	1281.5	**	**	**	**
	50.36			1241.6	1250.7		
	50.60	1273.3	1283.3	1243.5	1252.7	1242.0	1249.2
	51.05	1274.1	1284.0	1246.3	1255.2	1245.9	1254.2
	51.49	1276.7	1286.5	1249.0	1257.7	1248.7	1257.4
	51.91	1276.7	1286.3	1251.1	1259.7	1250.0	1258.5
	52.72	1278.3	1288.0	1255.7	1264.3	1254.9	1262.4
	53.17	1279.3	1289.1	1260.2	1269.0	1260.9	1269.7
	53.40	1279.6	1289.3	1261.8	1270.2	1261.8	1270.2
	54.00	1281.0	1290.9	1264.6	1272.9	1264.9	1273.5
	54.10	1281.9	1292.1	1265.5	1274.5	1267.1	1276.2
	54.20					1267.3	1276.7
Jones Bridge	54.24 D	1282.0	1292.1	**	**	**	**
	54.24 U	1283.1	1293.4	**	**	**	**
	54.30			1267.4	1276.1		
Greeneville Water	55.24	1287.0	1296.6	1275.0	1282.6	1274.5	1282.7
	55.70	1288.3	1297.8	1276.1	1283.6	1276.1	1283.9
	56.22	1291.2	1301.2	1280.5	1288.7	1280.6	1289.0
	56.67	1293.0	1303.2	1284.3	1292.9	1283.6	1292.4
	57.21	1294.3	1304.3	1286.0	1294.5	1285.4	1294.0
	57.23	1294.7	1304.9	1287.0	1295.7	1285.5	1294.1
	58.08	1298.6	1308.9	1292.1	1301.0	1291.4	1300.1
	58.62	1302.2	1313.4	1296.7	1306.7	1296.2	1306.1
	58.95	1303.5	1315.0	1298.0	1308.6	1297.1	1307.1
	59.38	1305.0	1316.1	1300.2	1310.2	1299.6	1309.0
59.90	1306.7	1318.0	1302.2	1312.5	1301.6	1311.4	
John Sevier Highway	60.40			1304.8	1315.3		
	60.44 D	1308.5	1320.0	**	**	1304.4	1314.4
	60.44 U	1309.8	1322.1	**	**	1306.4	1316.7
	60.46			1305.7	1316.3		
	60.72	1310.4	1322.5	1306.6	1317.0	1307.1	1317.3
	61.29	1312.7	1324.6	1309.8	1320.2	1310.2	1320.4
62.06	1317.3	1329.2	1315.5	1326.3	1315.8	1326.4	

Symbols: D - downstream at bridge, U - upstream at bridge, \*\* - no bridge represented in this model