

TABLE OF CONTENTS – Volume 1 – May 2, 2007

	<u>Page</u>
1.0 <u>INTRODUCTION</u>	1
1.1 Purpose of Study	1
1.2 Authority and Acknowledgments	1
1.3 Coordination	2
2.0 <u>AREA STUDIED</u>	3
2.1 Scope of Study	3
2.2 Community Description	9
2.3 Principal Flood Problems	12
2.4 Flood Protection Measures	15
3.0 <u>ENGINEERING METHODS</u>	16
3.1 Hydrologic Analyses	16
3.2 Hydraulic Analyses	32
3.3 Vertical Datum	36
4.0 <u>FLOODPLAIN MANAGEMENT APPLICATIONS</u>	38
4.1 Floodplain Boundaries	38
4.2 Floodways	39
5.0 <u>INSURANCE APPLICATIONS</u>	95
6.0 <u>FLOOD INSURANCE RATE MAP</u>	96
7.0 <u>OTHER STUDIES</u>	97
8.0 <u>LOCATION OF DATA</u>	97
9.0 <u>BIBLIOGRAPHY AND REFERENCES</u>	99

TABLE OF CONTENTS - Volume 1 - continued

	<u>Page</u>
<u>FIGURES</u>	
Figure 1 - Floodway Schematic	94
<u>TABLES</u>	
Table 1 - CCO Meeting Dates for Precountywide FISs	3
Table 2 - Flooding Sources Studied by Detailed Methods for the January 17, 1991, City of Knoxville FIS	3
Table 3 - Flooding Sources Studied by Detailed Methods for the August 16, 1984, Town of Farragut FIS	3
Table 4 - Flooding Sources Studied by Detailed Methods for the November 16, 1982, Knox County (Unincorporated Areas) FIS	4
Table 5- Stream Name Changes	4
Table 6- Streams Studied by Detailed Methods for this Countywide Study	5
Table 7- Scope of Revision	5-9
Table 8- Gaging Stations	17-19
Table 9- Summary of Discharges	22-31
Table 10- Comparison of Effective and Revised Elevations and Discharges	33
Table 11- Predicted Frequency Stages at the Ebenezer Cave Sinkhole	34
Table 12- Ranges of Manning's "n" Values	35-36
Table 13- Conversion from NGVD 29 to NAVD 88	37
Table 14- Floodway Data	40-93
Table 15- Community Map History	98

TABLE OF CONTENTS – Volume 2 – May 2, 2007

EXHIBITS

Exhibit 1 - Flood Profiles	
Beaver Creek	Panels 01P-10P
Berry Branch	Panel 11P
Brice Branch	Panel 12P
Bullrun Creek	Panels 13P-14P
Burnett Creek	Panels 15P-16P
Clift Creek	Panels 17P-20P
Conner Creek	Panels 21P-25P
Cox Creek	Panels 26P-28P
East Fork Third Creek	Panels 29P-30P
Echo Valley Tributary	Panel 31P
First Creek	Panels 32P-38P
Flat Creek	Panels 39P-48P
Fourth Creek	Panels 49P-52P
French Broad River	Panels 53P-56P
Goose Creek	Panels 57P-58P
Grassy Creek	Panels 59P-62P
Hickory Creek	Panels 63P-69P
Hines Branch	Panels 70P-71P
Hines Creek	Panels 72P-75P

TABLE OF CONTENTS – Volume 3 – May 2, 2007

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued	
Holston River	Panels 76P-79P
Kerns Branch	Panels 80P-81P
Knob Creek	Panels 82P-86P
Knob Fork	Panels 87P-90P
Limestone Creek	Panels 91P-94P
Little Flat Creek	Panels 95P-103P
Little River	Panel 104P
Little Turkey Creek	Panels 105P-108P
Love Creek	Panels 109P-110P
Lyon Creek	Panels 111P-114P
Mill Branch	Panels 115P-117P
Murphy Creek	Panels 118P-121P
North Fork Beaver Creek	Panels 122P-123P
North Fork Turkey Creek	Panels 124P-126P
Plumb Creek	Panels 127P-128P
Roseberry Creek	Panels 129P-136P
Second Creek	Panels 137P-141P

TABLE OF CONTENTS – Volume 4 – May 2, 2007

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued	
Sinking Creek	Panels 142P-144P
Sinking Creek (Tributary to Ten Mile Creek)	Panels 145P-146P
Sixmile Branch	Panel 147P
South Fork Beaver Creek	Panel 148P
Stock Creek	Panels 149P-153P
Swanpond Creek	Panels 154P-155P
Ten Mile Creek	Panels 156P-160P
Tennessee River	Panels 161P-169P
Third Creek	Panels 170P-173P
Thompson School Tributary	Panel 174P
Tributary No. 1 to First Creek	Panel 175P
Tributary No. 2 to First Creek	Panel 176P
Tributary No. 1 to Fourth Creek	Panels 177P-178P
Tributary No. 2 to Fourth Creek	Panels 179P-182P
Tributary No. 3 to Fourth Creek	Panel 183P
Tributary to Cox Creek	Panel 184P
Tributary to Goose Creek	Panel 185P
Tributary to Grassy Creek	Panels 186P-187P
Tributary to Hines Creek	Panel 188P
Tributary to Little Turkey Creek	Panel 189P
Tributary to Love Creek	Panel 190P
Tributary to Turkey Creek	Panels 191P-192P
Tuckahoe Creek	Panels 193P-195P
Turkey Creek	Panels 196P-200P
West Hills Tributary	Panels 201P-203P
Whites Creek	Panels 204P-207P
Williams Creek	Panels 208P-209P
Willow Fork	Panels 210P-213P
Exhibit 2 - Flood Insurance Rate Map Index	
Flood Insurance Rate Map	