CONDENSED SUMMARY OF PRINCIPAL FEATURES

(See Appendix A for Details)

	Normandy	Columbia
GENERAL		
Located on Duck River at mile	248.6	136.9
Tennessee counties affected	Bedford & Coffee	Maury & Marshall
Drainage area at dam site, sq miles	195	1181
STREAMFLOW		
Max. prob. flood at dam site, cfs	69,000	170,000
Max. known flood at:	Shelbyville	Columbia
Date	1902	1948
Cfs	87,000	61,100
Average flow at dam site, cfs	320	1870
Years of record	33	50
RESERVOIR		
Max. pool (top of spillway gates)	El. 880	El. 635
Nor. max. pool	El. 875	El. 630
Volume, ac-ft	117,000	294,000
Area, acres	3,230	12,600
Reservoir length, miles	17	54
Shoreline, miles	72	236
Nor. min. pool	El. 859	El. 603
Minimum controlled flood storage		
Jan 1 - ac-ft (inches)	62,400 (6.0)	281,000 (5.4)[a]
Apr 1 - ac-ft (inches)	41,600 (4.0)	187,000 (3.6)[a]
May 15 - ac-ft (inches)	17,000 (1.6)	69,000 (1.3)
TAILWATER		
Max. probable flood, approx	El. 823	El. 617
MAIN DAM		
Type	earth fill	earth fill
Length, incl spillway, ft	2807	2325
Maximum height above natural ground, ft	110	105
Top level	El. 895	El. 645
Spillway - Material and type	concrete chute	concrete chute
- Crest level	El. 840	El. 595
- Crest control - Type	radial gates	radial gates
- Number and size	two, 40 ft x 40 ft	five, 40 ft x 40 ft
- Disch capacity at top of gates, cfs	71,000	200,000
Sluiceway	Howell-Bunger	Howell-Bunger
Regulating valves - Type	one, 36 inches	two, 36 inches
- Number and diameter	250	400
Total disch capacity at nor. min. pool, cfs		
CEDAR CREEK WATERFOWL REFUGE		
Location, near Duck River mile	-	155.4
Dam - Type	-	earth and rock fill
- Top level	-	El. 635
- Length, incl spillway, ft	-	1300
- Maximum height, ft	-	28
Pool area at spillway crest level, acres	-	315
Spillway crest level	-	El. 630.5
ESTIMATED PROJECT CONSTRUCTION COST	----------$73,500,000----------	

a. Excludes Cedar Creek impoundment