

**APPENDIX IV**

LAND USE/LAND COVER	AREAS IN HUC-10 SUBWATERSHEDS (ACRES)			
	01	02	03	04
Bare Rock/Sand/Clay	2	40,098		
Deciduous Forest	76,525	40,098	64,238	12,421
Emergent Herbaceous Wetlands	195	13	72	138
Evergreen Forest	3,068	2,224	5,365	1,927
High Intensity: Commercial/Industrial/Transportation	1,734	302	1,336	252
High Intensity: Residential	392	20	539	8
Low Intensity: Residential	1,723	197	1,835	150
Mixed Forest	6,711	7,849	17,653	4,785
Open Water	3,104	23	485	189
Other Grasses: Urban/Recreational	1,190	86	1,003	24
Pasture/Hay	31,398	25,197	49,756	18,058
Row Crops	18,786	6,045	29,056	12,101
Transitional	465		12	
Woody Wetlands	4,891	675	1,275	1,385
Quarries/Strip Mines/Gravel Pits			119	
<b>Total</b>	<b>150,183</b>	<b>82,727</b>	<b>172,744</b>	<b>51,439</b>

LAND USE/LAND COVER	AREAS IN HUC-10 SUBWATERSHEDS (ACRES)		
	05	06	07
Deciduous Forest	56,512	22,905	23,566
Emergent Herbaceous Wetlands	1	1	
Evergreen Forest	7,887	4,412	2,628
High Intensity: Commercial/Industrial/Transportation	581	638	233
High Intensity: Residential	25	199	7
Low Intensity: Residential	402	1,356	143
Mixed Forest	24,152	12,832	11,395
Open Water	908	53	14
Other Grasses: Urban/Recreational	83	808	11
Pasture/Hay	39,535	22,359	22,505
Row Crops	23,925	11,847	5,177
Transitional	137	11	28
Woody Wetlands	936	231	36
Quarries/Strip Mines/Gravel Pits	179	121	
<b>Total</b>	<b>155,262</b>	<b>77,772</b>	<b>65,744</b>

**Table A4-1. Land Use Distribution in Upper Duck River Watershed by HUC-10.** Data are from 1992 Multi-Resolution Land Characterization (MRLC) derived by applying a generalized Anderson Level II system to mosaics of Landsat thematic mapper images collected every five years.

<b>HYDROLOGIC SOIL GROUPS</b>
<b>GROUP A SOILS</b> have low runoff potential and high infiltration rates even when wet. They consist chiefly of sand and gravel and are well to excessively drained.
<b>GROUP B SOILS</b> have moderate infiltration rates when wet and consist chiefly of soils that are moderately deep to deep, moderately to well drained, and moderately coarse to coarse textures.
<b>GROUP C SOILS</b> have low infiltration rates when wet and consist chiefly of soils having a layer that impedes downward movement of water with moderately fine to fine texture.
<b>GROUP D SOILS</b> have high runoff potential, very low infiltration rates, and consist chiefly of clay soils.

*Table A4-2. Hydrologic Soil Groups in Tennessee as Described in WCS.*

STATION	HUC-10	AGENCY	STREAM NAME	AREA (SQ MILES)	LOW FLOW (CFS)		
					1Q10	7Q10	3Q20
03595000	0604000201	USGS	Duck River	55.2	4.5	5.2	4.2
03595100	0604000201	USGS	Little Duck River	13.0	0.87	0.95	0.81
03595300	0604000201	USGS	Little Duck River	35.3	2.51	2.82	2.31
03595500	0604000201	USGS	Little Duck River	40.4	5.0	5.3	4.7
03595520	0604000201	USGS	Grindstone Hollow Creek				
03596000	0604000201	USGS	Duck River	107	11.7	13.0	10.9
03596100	0604000201	USGS	Crumpton Creek	28.1	3.1	3.4	2.7
03596110	0604000201	USGS	Big Spring				
03596200	0604000201	USGS	Carroll Creek	3.32	0.08	0.10	0.07
03596500	0604000201	TVA	Duck River	208	48	48	45
352803086135801	0604000201	USGS	Duck River				
03596700	0604000202	USGS	Garrison Fork	16.8	0.31	0.38	0.27
03596900	0604000202	USGS	Noah Fork	12.1	-	-	0
03597000	0604000202	USGS	Garrison Fork	66.3	0.7	1.6	1.0
03597210	0604000202	USGS	Garrison Fork	85.5			
03597300	0604000202	USGS	Wartrace Creek				
03597400	0604000202	USGS	Wartrace Creek				
03597450	0604000202	USGS	Kelly Creek				
03597500	0604000202	USGS	Wartrace Creek	16.3	0	0	0
03597550	0604000202	USGS	Muse Branch				
03597590	0604000202	USGS	Wartrace Creek	35.7			
03597600	0604000202	USGS	Wartrace Creek	36.4	-	-	0
03597700	0604000202	USGS	Garrison Fork	130	2.5	3.0	2.2
03597800	0604000203	USGS	Thompson Creek	18.3	0.98	1.10	0.92
03597898	0604000203	USGS	Flat Creek	49.0			
03597900	0604000203	USGS	Flat Creek	49.6	0.21	0.27	0.16
03598000	0604000203	USGS	Duck River	481	78.6	96.6	73.5
03598188	0604000203	USGS	Sinking Creek	18.1	-	-	0
035977607	0604000203	USGS	Anderton Branch				
03598200	0604000204	USGS	Weakly Creek				
03598250	0604000204	USGS	North Fork Creek	71.9	-	-	0
03599240	0604000205	USGS	Duck River				
03599250	0604000205	USGS	Duck River	916	-	-	23.5
03599400	0604000205	USGS	Little Flat Creek				
03599408	0604000205	USGS	Duck River	1,016			
03599000	0604000206	USGS	Big Rock Creek	24.9	0	0	0
03599102	0604000206	USGS	Wilson Spring				
03599200	0604000206	USGS	East Rock Creek				
03599430	0604000207	USGS	Fountain Creek	26.9	0.49	0.62	0.37
03599450	0604000207	USGS	Fountain Creek	74.0	1.35	1.70	1.02

**Table A4-3. Historical Streamflow Data Summary Based on Mean Daily Flows in Upper Duck River Watershed.** USGS, United States Geological Survey; TVA, Tennessee Valley Authority. Additional information may be found at: <http://nwis.waterdata.usgs.gov/tn/nwis/discharge>

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TDEC	BASHA000.1CE		Bashaw Creek @ RM 0.1	0604000201
TDEC	BOBO001.6CE	000390	Bobo Creek at RM 1.6	0604000201
TDEC	BSPRI000.4CE	DUCKRIS13	Boiling Springs Branch @ RM 0.4	0604000201
TDEC	CARRO003.2CE	000460	Carroll Creek @ RM 3.2	0604000201
TDEC	CASCA000.7BE		Cascade Branch @ RM 0.7	0604000201
TDEC	CLEAR001.0CE		Clear Branch @ RM 1.0	0604000201
TDEC	CLEAR001.1CE	DUCKRIS12	Clear Branch @ RM 1.1	0604000201
TDEC	CRUMP002.9CE	000715	Crompton Creek @ RM 2.9	0604000201
TDEC	DODDY000.7BE		Doddy Creek @ RM 0.7	0604000201
TDEC	DUCK248.0BE	1025	Duck River @ RM 248.4	0604000201
TDEC	DUCK253.0CE	NORMANDY03	Duck River @ RM 253.0	0604000201
TDEC	1020	001020	Duck River @ RM 265.3	0604000201
TDEC	DUCK265.4CE	001019	Duck River @ RM 265.4	0604000201
TDEC		DICKRIS06	Duck River @ RM 269.1	0604000201
TDEC	DUCK269.6CE		Duck River @ RM 269.6	0604000201
TDEC		DUCKRIS07	Duck River @ RM 270.1	0604000201
TDEC		DUCKRIS08	Duck River @ RM 270.8	0604000201
TDEC		DUCKRIS09	Duck River @ RM 272.1	0604000201
TDEC		DUCKRIS10	Duck River @ RM 274.3	0604000201
TDEC	DUCK275.8CE		Duck River @ RM 275.8	0604000201
TDEC		DUCKRIS14	Duck River @ RM 277.69	0604000201
TDEC	DUCK275.8CE		Duck River @ RM 275.8	0604000201
TDEC	DUCK265.5CE		Duck River @ RM 265.5	0604000201
TDEC	DUCK328.4BE		Duck River @ RM 328.4	0604000201
TDEC	LDUCK002.3CE	1710	Little Duck River @ RM 2.3	0604000201
TDEC	LDUCK001.3CE	LDUCKIS07	Little Duck River @ RM 1.3	0604000201
TDEC	LDUCK002.0CE	LDUCKIS06	Little Duck River @ RM 2.0	0604000201
TDEC	LDUCK002.2CE	LDUCKIS05	Little Duck River @ RM 2.2	0604000201
TDEC	LDUCK002.5CE	LDUCKIS04	Little Duck River @ RM 2.5	0604000201
TDEC	LDUCK004.2CE	LDUCKIS03	Little Duck River @ RM 4.2	0604000201
TDEC	LDUCK005.8CE	LDUCKIS02	Little Duck River @ RM 5.8	0604000201
TDEC	LDUCK006.4CE	LDUCKIS01	Little Duck River @ RM 6.4	0604000201
TDEC	1026	001026	Duck River @ RM 247.0 (Normandy Dam Tailwater)	0604000201
TDEC	DUCK252.0CE		Duck River @ RM 252.0 (Normandy Reservoir)	0604000201
TDEC	DUCK259.6CE	NORMANDY08	Duck River @ RM 259.6 (Normandy Reservoir)	0604000201
TDEC	CARRO000.8CE	NORMANDY07	Normandy Reservoir at Carroll Creek Embayment	0604000201
TDEC	CRUMP000.4CE	NORMANDY05	Normandy Reservoir at Crompton Ck Embayment	0604000201
TDEC	NORMANDY01		Normandy Reservoir At Dam	0604000201
TDEC	DUCK252.0CE		Duck River @ RM 252.0 (Normandy Reservoir)	0604000201
TDEC	DUCK255.1CE	NORMANDY04	DUCK River @ RM 255.1 (Normandy Reservoir)	0604000201
TDEC	RILEY000.6CE	NORMANDY06	Normandy Reservoir at Riley Creek Embayment	0604000201
TDEC	DUCKRIS11		Parks Creek @ RM 1.0	0604000201
TVA	476821		Boiling Springs Branch @ RM 0.4	0604000201
TVA	477419		Boyd Branch @ RM 0.7	0604000201

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	477494		Carroll Creek @ RM 0.4	0604000201
TVA	476098		Carroll Creek @ RM 0.5	0604000201
TVA	476430		Carroll Creek @ RM 1.0	0604000201
TVA	476426		Crompton Creek @ RM 2.40	0604000201
TVA	476833		Duck River @ RM 239.44	0604000201
TVA	475788		Duck River @ RM 239.8	0604000201
TVA	475787		Duck River @ RM 243.1	0604000201
TVA	476330		Duck River @ RM 243.1 (Inflow)	0604000201
TVA	476331		Duck River @ RM 243.1 (Outflow)	0604000201
TVA	476332		Duck River @ RM 243.1 (Shoals)	0604000201
TVA	477490		Duck River @ RM 245.05	0604000201
TVA	477489		Duck River @ RM 245.1	0604000201
TVA	477488		Duck River @ RM 246.9	0604000201
TVA	475745		Duck River @ RM 246.95	0604000201
TVA	475435		Duck River @ RM 248.3	0604000201
TVA	476219		Duck River @ RM 248.6	0604000201
TVA	477652		Duck River @ RM 248.7	0604000201
TVA	477657		Duck River @ RM 248.9	0604000201
TVA	477656		Duck River @ RM 249.2	0604000201
TVA	477655		Duck River @ RM 249.5	0604000201
TVA	477453		Duck River @ RM 249.50	0604000201
TVA	477661		Duck River @ RM 249.6	0604000201
TVA	477497		Duck River @ RM 250.0	0604000201
TVA	475786		Duck River @ RM 250.05	0604000201
TVA	477660		Duck River @ RM 250.1	0604000201
TVA	477654		Duck River @ RM 250.3	0604000201
TVA	476662		Duck River @ RM 250.5	0604000201
TVA	477658		Duck River @ RM 250.5	0604000201
TVA	477659		Duck River @ RM 250.7	0604000201
TVA	477653		Duck River @ RM 250.9	0604000201
TVA	477683		Duck River @ RM 251.1	0604000201
TVA	475044		Duck River @ RM 251.2	0604000201
TVA	477100		Duck River @ RM 251.5	0604000201
TVA	476244		Duck River @ RM 252.0	0604000201
TVA	476663		Duck River @ RM 252.0	0604000201
TVA	477498		Duck River @ RM 252.1	0604000201
TVA	477493		Duck River @ RM 253.5	0604000201
TVA	476220		Duck River @ RM 253.8	0604000201
TVA	476097		Duck River @ RM 255.0	0604000201
TVA	477499		Duck River @ RM 255.1	0604000201
TVA	477420		Duck River @ RM 255.25	0604000201
TVA	477454		Duck River @ RM 257.0	0604000201
TVA	477522		Duck River @ RM 258.0	0604000201
TVA	475785		Duck River @ RM 258.4	0604000201

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	477500		Duck River @ RM 259.0	0604000201
TVA	476172		Duck River @ RM 259.4	0604000201
TVA	477421		Duck River @ RM 259.5	0604000201
TVA	477523		Duck River @ RM 260.0	0604000201
TVA	477501		Duck River @ RM 260.6	0604000201
TVA	477502		Duck River @ RM 261.9	0604000201
TVA	476429		Duck River @ RM 262.0	0604000201
TVA	476428		Duck River @ RM 264.0	0604000201
TVA	475436		Duck River @ RM 265.4	0604000201
TVA	476427		Duck River @ RM 265.5	0604000201
TVA	476247		Duck River @ RM 268.50	0604000201
TVA	475437		Duck River @ RM 270.1	0604000201
TVA	475866		Duck River @ RM 270.2	0604000201
TVA	476819		Duck River @ RM 275.9	0604000201
TVA	476822		Duck River @ RM 280.1	0604000201
TVA	476808		Duck River @ RM 285.84	0604000201
TVA	476333		Garrison Fork @ RM 0.01	0604000201
TVA	475873		Little Duck River @ RM 2.2	0604000201
TVA	475438		Little Duck River @ RM 5.7	0604000201
TVA			Normandy Drawdown	0604000201
TVA	476820		Parks Creek @ RM 0.9	0604000201
TVA	476099		Riley Creek @ RM 0.5	0604000201
TDEC	BBUCK001.0BE	BELLB001.BE	Bell Buckle Creek @ RM 1.0	0604000202
TDEC	GARRI004.3BE		Garrison Fork @ RM 4.3	0604000202
TDEC	GARRI000.6BE	GFCIS23	Garrison Fork Creek @ RM 0.6	0604000202
TDEC	GARRI001.15BE	GFCIS22	Garrison Fork Creek @ RM 1.15	0604000202
TDEC	GARRI001.3BE	GFCIS21	Garrison Fork Creek @ RM 1.30	0604000202
TDEC	GARRI001.5BE	GFCIS20	Garrison Fork Creek @ RM 1.50	0604000202
TDEC	GARRI001.7BE	GFCIS19	Garrison Fork Creek @ RM 1.70	0604000202
TDEC	GARRI001.8BE	GFCIS18	Garrison Fork Creek @ RM 1.80	0604000202
TDEC	GARRI001.9BE	GFCIS17	Garrison Fork Creek @ RM 1.90	0604000202
TDEC	GARRI001.93BE	GFCIS16	Garrison Fork Creek @ RM 1.93	0604000202
TDEC	GARRI002.02BE	GFCIS15	Garrison Fork Creek @ RM 2.02	0604000202
TDEC	GARRI002.1BE	GFCIS14	Garrison Fork Creek @ RM 2.10	0604000202
TDEC	GARRI002.2BE	GFCIS13	Garrison Fork Creek @ RM 2.20	0604000202
TDEC	GARRI002.3BE	GFCIS12	Garrison Fork Creek @ RM 2.30	0604000202
TDEC	GARRI002.39BE	GFCIS10	Garrison Fork Creek @ RM 2.39	0604000202
TDEC	GARRI002.52BE	GFCIS11	Garrison Fork Creek @ RM 2.52	0604000202
TDEC	GARRI002.53BE	GFCIS09	Garrison Fork Creek @ RM 2.53	0604000202
TDEC	GARRI002.68BE	GFCIS08	Garrison Fork Creek @ RM 2.68	0604000202
TDEC	GARRI002.87BE	GFCIS07	Garrison Fork Creek @ RM 2.87	0604000202
TDEC	GARRI002.98BE	GFCIS06	Garrison Fork Creek @ RM 2.98	0604000202
TDEC	GARRI003.05BE	GFCIS05	Garrison Fork Creek @ RM 3.05	0604000202
TDEC	GARRI003.14BE	GFCIS04	Garrison Fork Creek @ RM 3.14	0604000202

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TDEC	GARRI003.29BE	GFCIS03	Garrison Fork Creek @ RM 3.29	0604000202
TDEC	GARRI003.31BE	GFCIS01	Garrison Fork Creek @ RM 3.31	0604000202
TDEC	WARTR001.2BE		Wartrace Creek @ RM 1.2	0604000202
TVA	476845		Bates Branch @ RM 0.86	0604000202
TVA	476846		Bates Branch @ RM 0.96	0604000202
TVA	476847		Bates Branch @ RM 1.17	0604000202
TVA	476867		Bell Buckle Creek @ RM 0.1	0604000202
TVA	476850		Drainage Ditch @ Mile 0.03	0604000202
TVA	476851		Drainage Ditch @ Mile 0.03	0604000202
TVA	476861		Drainage Ditch @ RM 0.02	0604000202
TVA	476844		Drainage Ditch @ RM 0.03	0604000202
TVA	476849		Drainage Ditch @ RM 0.05	0604000202
TVA	476869		Drainage Ditch 0.1 Mile From Fox Dairy	0604000202
TVA	476870		Drainage Ditch 0.2 Mile From Winnet Farm	0604000202
TVA	475747		Garrison Fork @ RM 0.6	0604000202
TVA	476834		Garrison Fork @ RM 1.5	0604000202
TVA	476835		Garrison Fork @ RM 1.85	0604000202
TVA	476853		Garrison Fork @ RM 12.60	0604000202
TVA	476854		Garrison Fork @ RM 12.70	0604000202
TVA	476836		Garrison Fork @ RM 3.2	0604000202
TVA	476852		Garrison Fork @ RM 9.4	0604000202
TVA	476841		Hatchett Branch @ RM 1.06	0604000202
TVA	476842		Hatchett Branch @ RM 1.34	0604000202
TVA	476843		Hatchett Branch @ RM 1.56	0604000202
TVA	476840		Latimer Creek @ RM 0.04	0604000202
TVA	476856		Lee Branch @ RM 0.1	0604000202
TVA	476857		Lee Branch @ RM 0.62	0604000202
TVA	476855		Puncheon Camp Creek @ RM 0.08	0604000202
TVA	476858		Puncheon Camp Creek @ RM 2.71	0604000202
TVA	476859		Puncheon Camp Creek @ RM 2.82	0604000202
TVA	476860		Unnamed Tributary @ RM 0.03	0604000202
TVA	476848		Unnamed Tributary @ RM 0.08	0604000202
TVA	476862		Unnamed Tributary @ RM 0.26	0604000202
TVA	476864		Unnamed Tributary @ RM 0.90	0604000202
TVA	476865		Unnamed Tributary @ RM 1.01	0604000202
TVA	476837		Wartrace Creek @ RM 1.25	0604000202
TVA	476838		Wartrace Creek @ RM 10.45	0604000202
TVA	476839		Wartrace Creek @ RM 10.58	0604000202
TVA	476863		Wartrace Creek @ RM 5.67	0604000202
TVA	476868		Wartrace Creek @ RM 6.63	0604000202
TVA	476866		Wartrace Creek @ RM 7.5	0604000202
TDEC	DUCK221.3BE	DUCK221.3	Duck River @ RM 221.3	0604000203
TDEC	ANDER000.2BE		Anderton Branch @ RM 0.2	0604000203
TDEC	BENNE000.1BE		Bennett Branch @ RM 0.1	0604000203

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TDEC	BOMAR001.0BE		Bomar Creek @ RM 1.0	0604000203
TDEC	DAVIS000.2BE		Davis Branch @ RM 0.2	0604000203
TDEC	001030		Duck River @ Selbyville WTP Intake	0604000203
TDEC	001036		Duck River @ RM 192.1	0604000203
TDEC	DUCK216.2BE		Duck River @ RM 216.2	0604000203
TDEC	DUCK235.6BE		Duck River @ RM 235.6	0604000203
TDEC	FALL001.2BE		Fall Creek @ RM 1.2	0604000203
TDEC	FALL003.0BE		Fall Creek @ RM 3.0	0604000203
TDEC	FALL006.1BE		Fall Creek @ RM 6.1	0604000203
TDEC	FLAT002.7BE		Flat Creek @ RM 2.7	0604000203
TDEC	HURRI001.0BE		Hurricane Creek @ RM 1.0	0604000203
TDEC	HURRI004.2BE		Hurricane Creek @ RM 4.2	0604000203
TDEC	LSINK001.0BE		Little Sinking Creek @ RM 1.0	0604000203
TDEC	SINKI001.2BE	ECO71107	Sinking Creek @ RM 1.2	0604000203
TDEC	SINKI003.3BE		Sinking Creek @ RM 3.3	0604000203
TDEC	SINKI008.9BE		Sinking Creek @ RM 8.9	0604000203
TDEC	SUGAR000.4BE		Sugar Creek @ RM 0.4	0604000203
TDEC	SUGAR002.7BE		Sugar Creek @ RM 2.7	0604000203
TDEC	THOMP001.4BE		Thompson Creek @ RM 1.4	0604000203
TDEC	THOMP006.5BE		Thompson Creek @ RM 6.5	0604000203
TVA	476372		Duck River @ RM 192.1	0604000203
TVA	476324		Duck River @ RM 202.2 (Inflow)	0604000203
TVA	476325		Duck River @ RM 202.2 (Outflow)	0604000203
TVA	476326		Duck River @ RM 202.2 (Shoals)	0604000203
TVA	475256		Duck River @ RM 202.3	0604000203
TVA	475215		Duck River @ RM 210.33	0604000203
TVA	475249		Duck River @ RM 212.4	0604000203
TVA	475214		Duck River @ RM 215.1	0604000203
TVA	475042		Duck River @ RM 216.18	0604000203
TVA	475213		Duck River @ RM 219.2	0604000203
TVA	475212		Duck River @ RM 219.83	0604000203
TVA	475248		Duck River @ RM 220.54	0604000203
TVA	475276		Duck River @ RM 220.85	0604000203
TVA	475211		Duck River @ RM 221.34	0604000203
TVA	476245		Duck River @ RM 221.4	0604000203
TVA	476826		Duck River @ RM 221.45	0604000203
TVA	475761		Duck River @ RM 222.0	0604000203
TVA	476823		Duck River @ RM 222.9	0604000203
TVA	476827		Duck River @ RM 224.15	0604000203
TVA	477492		Duck River @ RM 225.35	0604000203
TVA	477491		Duck River @ RM 229.3	0604000203
TVA	475043		Duck River @ RM 235.6	0604000203
TVA	476370		Fall Creek @ RM 1.3	0604000203
TVA	476369		Sinking Creek @ RM 0.9	0604000203



AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	475252		Sugar Creek @ RM 0.45	0604000203
TDEC	ALEXA004.0BE		Alexander Creek @ RM 4.0	0604000204
TDEC	CLEM000.4BE		Clem Creek @ RM 0.4	0604000204
TDEC	NFORK016.4BE		North Fork Creek @ RM 16.4	0604000204
TDEC	NFORK003.5BE		North Fork Creek @ RM 3.5	0604000204
TDEC	NFORK004.7BE		North Fork Creek @ RM 4.7	0604000204
TDEC	NFORK007.7BE		North Fork Creek @ RM 7.7	0604000204
TDEC	WEAKL001.7BE		Weakley Creek @ RM 1.7	0604000204
TDEC	WEAKL005.2BE		Weakley Creek @ RM 5.2	0604000204
TVA	476365		North Fork Creek @ RM 3.4	0604000204
TVA	476368		North Fork Creek @ RM 7.7	0604000204
TVA	476367		Weakly Creek @ RM 0.2	0604000204
TDEC	CANEY002.6ML		Caney Creek @ RM 2.6	0604000205
TDEC	CEDAR002.2MY		Cedar Creek @ RM 2.2	0604000205
TDEC	001040		Duck River @ Lewisburg WTP Intake	0604000205
TDEC			Duck River at I-65	0604000205
TDEC	DUCK141.1MY		Duck River @ RM 141.1	0604000205
TDEC	DUCK180.0ML		Duck River @ RM 180.0	0604000205
TDEC	FLAT001.1MY		Flat Creek @ RM 1.1	0604000205
TDEC			Flat Creek @ RM 6.4	0604000205
TDEC	LICK001.8ML		Lick Creek @ RM 1.8	0604000205
TDEC	RICH000.5ML		Rich Creek @ RM 0.5	0604000205
TDEC	SPRIN003.2ML	ECO71105	Spring Creek @ RM 3.2	0604000205
TDEC	THICK002.0ML		Thick Creek @ RM 2.0	0604000205
TDEC	WALLA000.8WI		Wallace Branch @ RM 0.8	0604000205
TDEC	WILSO000.7ML		Wilson Creek @ RM 0.7	0604000205
TDEC	WILSO002.9BE		Wilson Creek @ RM 2.9	0604000205
TDEC	WILSO005.2BE	ECO71106	Wilson Creek @ RM 5.2	0604000205
TVA	476358		Caney Creek @ RM 1.0	0604000205
TVA	476356		Cedar Creek @ RM 1.80	0604000205
TVA	475989		Duck River @ RM 141.0	0604000205
TVA	476807		Duck River @ RM 145.85	0604000205
TVA	475987		Duck River @ RM 150.4	0604000205
TVA	475041		Duck River @ RM 156.5	0604000205
TVA	476318		Duck River @ RM 159.4 (Inflow)	0604000205
TVA	476319		Duck River @ RM 159.4 (Outflow)	0604000205
TVA	476320		Duck River @ RM 159.4 (Shoals)	0604000205
TVA	476301		Duck River @ RM 160.4	0604000205
TVA	476253		Duck River @ RM 164.4	0604000205
TVA	476252		Duck River @ RM 172.0	0604000205
TVA	476321		Duck River @ RM 179.1 (Inflow)	0604000205
TVA	476322		Duck River @ RM 179.1 (Outflow)	0604000205
TVA	476323		Duck River @ RM 179.1 (Shoals)	0604000205
TVA	476371		Duck River @ RM 179.2	0604000205

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	476828		Duck River @ RM 179.5	0604000205
TVA	476829		Duck River @ RM 179.8	0604000205
TVA	475474		Duck River @ RM 180.23	0604000205
TVA	476830		Duck River @ RM 180.5	0604000205
TVA	475986		Duck River @ RM 181.0	0604000205
TVA	476824		Duck River @ RM 181.05	0604000205
TVA	476825		Duck River @ RM 181.9	0604000205
TVA	476872		Duck River @ RM 182.5	0604000205
TVA	475048		Duck River @ RM 186.5	0604000205
TVA	476818		Duck River @ RM 186.58	0604000205
TVA	476817		Duck River @ RM 186.75	0604000205
TVA	476251		Duck River @ RM 191.8	0604000205
TVA	476357		Flat Creek @ RM 1.1	0604000205
TVA	476363		Spring Creek @ RM 3.0	0604000205
TVA	476816		Spring Creek @ RM 3.97	0604000205
TVA	476814		Spring Creek @ RM 5.75	0604000205
TVA	476815		Spring Creek @ RM 9.0	0604000205
TVA	476364		Wilson Creek @ RM 0.7	0604000205
TDEC	BROCK001.4ML		Big Rock Creek @ RM 1.4	0604000206
TDEC	BROCK015.8ML		Big Rock Creek @ RM 15.8	0604000206
TDEC	BROCK016.7ML		Big Rock Creek @ RM 16.7	0604000206
TDEC	BROCK019.5ML		Big Rock Creek @ RM 19.5	0604000206
TDEC	BROCK020.1ML		Big Rock Creek @ RM 20.1	0604000206
TDEC	BROCK005.2ML		Big Rock Creek @ RM 5.2	0604000206
TDEC	BROCK006.0ML		Big Rock Creek @ RM 6.0	0604000206
TDEC	BROCK009.4ML		Big Rock Creek @ RM 9.4	0604000206
TDEC	DRY001.2ML	DRYB001.2ML	Dry Branch @ RM 1.2	0604000206
TDEC	0001040		Duck River 50' Upstream Of Lewisburg STP	0604000206
TDEC	EROCK001.8ML		East Rock Creek @ RM 1.8	0604000206
TDEC	EROCK020.8BE		East Rock Creek @ RM 20.8	0604000206
TDEC	SNELL000.3ML	SNELB000.3ML	Snell Branch @ RM 0.3	0604000206
TDEC	WRIGH000.1ML	WRIGB00.1ML	Wright Branch @ RM 0.1	0604000206
TVA	475748		Big Rock Creek @ RM 1.4	0604000206
TVA	476359		Big Rock Creek @ RM 1.4	0604000206
TVA	475476		Big Rock Creek @ RM 15.90	0604000206
TVA	475543		Big Rock Creek @ RM 17.8	0604000206
TVA	476361		Big Rock Creek @ RM 5.9	0604000206
TVA	475475		Big Rock Creek @ RM 5.95	0604000206
TVA	475762		Duck River @ RM 181.0	0604000206
TVA	476362		East Rock Creek @ RM 1.9	0604000206
TVA	476360		Unnamed Tributary @ RM 0.1	0604000206
TDEC	EFGLO000.1ML		East Fork Globe Creek @ RM 0.1	0604000207
TDEC	FOUNT000.3MY		Fountain Creek @ RM 0.3	0604000207
TDEC	FOUNT013.2MY		Fountain Creek @ RM 13.2	0604000207

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TDEC	FOUNT002.8MY		Fountain Creek @ RM 2.8	0604000207
TDEC	GLOBE001.6MY		Globe Creek @ RM 1.6	0604000207
TDEC	GLOBE001.7MY		Globe Creek @ RM 1.7	0604000207
TDEC	SILVE001.5MY		Silver Creek @ RM 1.5	0604000207
TVA	476806		Fountain Creek @ RM 0.03	0604000207
TVA	476254		Fountain Creek @ RM 0.5	0604000207
TVA	476802		Fountain Creek @ RM 13.3	0604000207
TVA	476801		Fountain Creek @ RM 14.5	0604000207
TVA	476800		Fountain Creek @ RM 19.40	0604000207
TVA	476805		Fountain Creek @ RM 6.98	0604000207
TVA	476804		Fountain Creek @ RM 8.95	0604000207
TVA	476803		Globe Creek @ RM 1.5	0604000207

**Table A4-4. STORET Water Quality Monitoring Stations in the Upper Duck River Watershed.** RM, River Mile; TDEC, Tennessee Department of Environment and Conservation; TVA, Tennessee Valley Authority.

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-10
TN0067938	TWRA-Normandy Fish Hatchery	0921	Fish Hatcheries	Minor	Duck River @ RM 248.0	0604000201
TN0025038	Manchester STP	4952	Sewerage System	Major	Duck River @ RM 268.5	0604000201
TN0002470	Tennessee Dickel Distilling Company	2085	Distilled and Blended Liquors	Minor	Cascade Creek @ RM 0.1 to Cascade Branch @ RM 1.4	0604000201
TN0002143	Coey Tanning	3111	Leather tanning and Finishing	Major	Garrison Fork Creek @ RM 3.5	0604000202
TN0020443	Wartrace STP	4952	Sewerage System	Minor	Wartrace Creek @ RM 2.0	0604000202
TN0020591	Bell Buckle STP	4952	Sewerage System	Minor	Bell Buckle Creek @ RM 0.8	0604000202
TN0024180	Shelbyville STP	4952	Sewerage System	Minor	Duck River @ RM 221.3	0604000203
TN0002135	Tyson Foods, Incorporated	2015	Poultry Slaughtering	Major	Duck River @ RM 220.5	0604000203
TN0064670	Chapel Hill Waste Water Treatment Plant	4952	Sewerage System	Minor	Duck River @ RM 185.5	0604000205
TN0062073	Chapel Woods STP	4952	Sewerage System	Minor	Duck River @ RM 177.5	0604000205
TN0022888	Lewisburg STP	4952	Sewerage System	Major	Big Rock Creek @ RM 16.8	0604000206
TN0002445	International Comfort Products Corporation	3585	Air Conditioning, Heating, and Refrigeration Equipment	Minor	Snell Branch @ RM 1.6 to Big Rock Creek @ RM 15.5	0604000206

**Table A4-5. NPDES Permittees in the Upper Duck River Watershed.** RM, River Mile; SIC, Standard Industrial Classification; MADI, Major Discharge Indicator.

FACILITY NUMBER	PERMITEE	COUNTY	LIVESTOCK	WATERBODY	HUC-10
TNA000105	Robeert A. Wiser	Coffee	Poultry	UT to Normandy Reservoir	0604000201
TNA000012	Soulat Kayasith	Marshall	Poultry	Rich Creek	0604000205

**Table A4-6. CAFO Sites in the Upper Duck River Watershed.** UT, Unnamed Tributary.

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-10
TN0022756	The Rogers Group (Shelbyville Quarry)	1422	Limestone-Crushed and Broken	Duck River	0604000203
TN0066508	Vulcan Construction Materials (Shelbyville Quarry)	1422	Limestone-Crushed and Broken	UT to Bomar Creek	0604000203
TN0071846	The Rogers Group (Deason Quarry)	1422	Limestone-Crushed and Broken	North Fork Creek	0604000204
TN0072524	Castle Rock Quarries (Castle Rock Quarry)	1411	Sandstone Mining	UT to Roaring Creek	0604000205
TN0061395	The Rogers Group (Columbia Quarry)	1422	Limestone-Crushed and Broken	Goose Creek	0604000205
TN0066630	The Rogers Group (Pottsville Quarry)	1422	Limestone-Crushed and Broken	UT to Duck River and Karst	0604000205
TN0066338	The Rogers Group (Anchor Rock Quarry)	1422	Limestone-Crushed and Broken	Duck River	0604000205
TN0079171	Warner/Brothers Custom Stone Quarry	1422	Limestone-Crushed and Broken	UT to Duck River	0604000205
TN0003654	The Rogers Group (Lewisburg Quarry)	1422	Limestone-Crushed and Broken	Big Rock Creek	0604000206
TN0071251	The Rogers Group (Belfast Quarry)	1422	Limestone-Crushed and Broken	UT to Dry Creek	0604000206

**Table A4-7. Active Permitted Mining Sites in the Upper Duck River Watershed.** SIC, Standard Industrial Classification; UT, Unnamed Tributary.

FACILITY NUMBER	PERMITEE	WATERBODY	HUC-10
TN0063860	Duck River Utility Commission	Reedy Creek @ RM 10.6	0604000201
TN0022802	Shelbyville WTP	Robinson Creek @ RM 221.9	0604000203
TN0073547	Maury County Board of Public Utilities	Duck River @ RM 164.4	0604000205

**Table A4-8. Water Treatment Plants in the Upper Duck River Watershed.** RM, River Mile.

FACILITY NUMBER	PERMITEE	WATERBODY	HUC-10
TNG110061	I.M.I. Tennessee	WWC to UT to Duck River	0604000201
TNG110117	Sequatchie Concrete Services	Holland Branch	0604000203
TNG11032	Childress Concrete Co.	WWC to Collins Creek to Big Rock Creek @ RM 18.0	0604000206

**Table A4-9. Ready Mix Concrete Plants in the Upper Duck River Watershed.** RM, River Mile; UT, Unnamed Tributary; WWC, Wet Weather Conveyance.

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-10
NRS00.227	Coffee	Stream Relocation	UT Carroll Creek	0604000201
NRS02.252	Coffee	Sewer Line Crossing	Little Duck River and UT to Little Duck River	0604000201
NRS02.437	Coffee	Concrete Replacement	Duck River	0604000201
NRS02.352	Coffee	Bridge repair	Duck River	0604000201
NRS03.035C	Bedford	Bridge and Approach	UT to Knob Creek	0604000202
NRS03.035	Bedford	Bridge and Approach	Knob Creek	0604000202
NRS03.035B	Bedford	Bridge and Approach	Knob Creek	0604000202
NRS02.336	Bedford	Wetland Filling	Hurricane Creek	0604000203
NRS01.318	Bedford	Bridge and Approach	Duck River	0604000203
NRS03.343	Bedford	Gravel Dredging	Duck River	0604000203
NRS02.016	Bedford	Gravel Dredging	Big Springs Branch	0604000203
NRS01.379	Bedford	Water Withdrawal	Duck River	0604000203
NRS02.141	Bedford	Water Line Crossings (2)	Flat Creek	0604000203
NRS02.112	Bedford	Bridge replacement	Duck River	0604000203
NRS03.216	Marshall	Bridge Replacement	Duck River	0604000205
NRS02.168	Maury	Bridge Repair	Flat Creek and Carlton Branch	0604000205

**Table A4-10. Individual ARAP Permits Issued January 2000 Through June 2004 in Upper Duck River Watershed. UT, Unnamed Tributary.**

<b>FACILITY NUMBER</b>	<b>FACILITY NAME</b>	<b>SECTOR</b>	<b>RECEIVING STREAM</b>	<b>AREA*</b>	<b>HUC-10</b>
TNR054505	Volunteer Engineering	AB	Hunt Creek	1.5	0604000201
TNR051524	M-Tek, Incorporated	AB	Hunt Creek	84.42	0604000201
TNR054562	DESA Specialty	AB, AA	Hunt Creek	7.13	0604000201
TNR051142	Gaylen Fann's Auto Parts	M	WWC to UT to Hunt Creek	40	0604000201
TNR054339	ACME Mechanical Contractors	AA	Duck River	11.88	0604000201
TNR051158	Batesville Casket Co.	Y, P	Goodman Spring Branch	169	0604000201
TNR054275	K&S Steel Fabricators	AA	Greenbriar Creek	9.91	0604000201
TNR056250	Pro Auto Sales and Salvage	M	Ditch to Walker Branch	0.8	0604000201
TNR054403	Tempco Fireplace Products	E, AA	Metropolitan Storm Sewer	12.55	0604000201
TNR050874	PCA Apparel Industries	V	Grindstone Hollow Creek	4	0604000201
TNR050963	Driver's Truck Salvage	M	UT to Duck River	4	0604000201
TNR053036	AEDC Landfill	L	WWC to Crumpton Creek	26.52	0604000201
TNR053948	MCA Fabrication	Y	Little Duck River	4.7	0604000201
TNR056414	Manchester Waste Water Treatment Plant	T, P	Grindstone Hollow Creek	11	0604000201
TNR050973	CFC Recycling	N	Hickerson Spring Branch	23.75	0604000201
TNR050063	Oak Tennessee, Inc.	Y		4.6	0604000201
TNR050977	Bumble Bee Boats	R	Bobo Creek	8	0604000201
TNR050811	Goodrich Landing Gear	AB	Bobo Creek	30	0604000201
TNR053555	United Parcel Service	P	UT to Rock Creek	1.6	0604000201
TNR050073	Tennessee Dickel Distilling Company	U, A, P	Cascade Branch	7.6	0604000201
TNR054380	Trico Products Corp.	AA	Stewart's Creek	3	0604000202
TNR050777	Haskins Auto Salvage	M	WWC to UT to Kelly Crouch Branch	388	0604000202
TNR051562	Quail Hollow Landfill	L	Anderson Creek and Powell Creek	3	0604000203
TNR056349	Bedford County Asphalt	D	Bomar Creek @ RM 2.3	8.4	0604000203
TNR054317	Quintec Films Corp.	Y	Retention Pond	92	0604000203
TNR056440	Wright Paving Company	D, J	Bomar Creek	0.5	0604000203
TNR051723	Shelbyville Recycled Fiber	N	Bomar Creek	2	0604000203
TNR055952	PSC Metals, Inc.	N	Bomar Creek	15	0604000203
TNR051056	Eaton Corp.-Plant #2	AB	Bomar Creek	9.4	0604000203
TNR054504	Cooper Steel Fabricating	AA, P	Holland Creek	47.92	0604000203
TNR051059	Eaton Corp.-Plant #1	AB	Bomar Creek	31	0604000203
TNR053010	Pechiney Plastic Packaging	Y	Holland Branch	0.3	0604000203
TNR054415	Wego Precision Machine	AB	Holland Creek	5.4	0604000203
TNR056380	Bluegrass Cooperage Co.	A	WWC to Holland Creek	17.4	0604000203
TNR053664	Shelbyville Municipal Airport	S	UT to Hurricane Creek	29	0604000203
TNR051624	Calsonic North America	AB	Little Hurricane Creek	12.8	0604000203
TNR050309	Alchem Aluminum	F, P	Bomar Creek	4.7	0604000203
TNR056408	Shelbyville Waste Water Treatment Plant	T	Duck River @ RM 221.3, 221.35, and 221.4	4.7	0604000203

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-10
TNR056428	Shelbyville Waste Water Treatment Plant	T	Duck River @ RM 221.3, 221.35, and 221.4	4.7	0604000203
TNR050439	Sanford Corporation	Y	Duck River	35	0604000203
TNR050175	Tyson Foods	U	Duck River	57.04	0604000203
TNR050125	Nowlin Auto Sales and Salvage	M	WWC to UT to Dryland Creek	17	0604000203
TNR051123	James Auto Salvage	M	WWC to UT to Duck River	7	0604000203
TNR054249	Trott Lumber Company	A	Sinking Creek	4.99	0604000203
TNR050609	Sanders Auto Salvage	M	WWC to UT to Alexander Creek	10	0604000205
TNR050005	Kantus Corporation	Y, AB	Snake Creek	32.6	0604000206
TNR053403	Pliant Corporation	Y	Collins Creek	10.12	0604000206
TNR054166	Matrix Drilling Products	AB	Capps Branch	3.11	0604000206
TNR053236	Mead Containerboard	B	Capps Branch	4	0604000206
TNR050742	Ken-Koat Corporation	AA	WWC to Capps Branch	4.5	0604000206
TNR050011	Cosmolab, Incorporated	Y, C	Big Rock Creek	17.9	0604000206
TNR053776	Abeco Die Casting	F	Capps Branch	3	0604000206
TNR050037	Tennessee Tech Coatings Corporation	C	Capps Branch @ RM 2.3	0.8	0604000206
TNR053136	Walker Die Casting	F	Capps Branch	101	0604000206
TNR056387	FedEx Freight East	P	Collins Creek	1	0604000206
TNR050573	Sanford	Y	Rock Creek	25.35	0604000206
TNR054499	Tennessee Pencil Co.	Y	Rock Creek	1.4	0604000206
TNR051246	Moon Products, Inc.	Y	Rock Creek	6.32	0604000206
TNR054223	T&H Concrete Products	E	Loyd Creek	0.62	0604000206
TNR053212	Ellington Airport	S	Wright Branch	0.7	0604000206
TNR051879	International Comfort Products	P	Snell Branch	160	0604000206
TNR051563	Cedar Ridge	P	East Fork Globe Creek	207	0604000207

**Table A4-11. Active Permitted TMSF Facilities in the Upper Duck River Watershed.** Area, acres of property associated with industrial activity; UT, Unnamed Tributary; WWC, Wet Weather Conveyance. Sector details may be found in Table A4-12.



<b>SECTOR</b>	<b>TMSP SECTOR NAME</b>
A	Timber Products Facilities
AA	Facilities That Manufacture Metal Products including Jewelry, Silverware and Plated Ware
AB	Facilities That Manufacture Transportation Equipment, Industrial or Commercial Machinery
AC	Facilities That Manufacture Electronic and Electrical Equipment and Components, Photographic and Optical Goods
AD	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Required)
AE	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Not Required)
B	Paper and Allied Products Manufacturing Facilities
C	Chemical and Allied Products Manufacturing Facilities
D	Asphalt Paving, Roofing Materials, and Lubricant Manufacturing Facilities
E	Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing Facilities
F	Primary Metals Facilities
G	Metal Mines (Ore Mining and Dressing) (RESERVED)
H	Inactive Coal Mines and Inactive Coal Mining-Related Facilities
I	Oil or Gas Extraction Facilities
J	Construction Sand and Gravel Mining and Processing and Dimension Stone Mining and Quarrying Facilities
K	Hazardous Waste Treatment Storage or Disposal Facilities
L	Landfills and Land Application Sites
M	Automobile Salvage Yards
N	Scrap Recycling and Waste and Recycling Facilities
O	Steam Electric Power Generating Facilities
P	Vehicle Maintenance or Equipment Cleaning areas at Motor Freight Transportation Facilities, Passenger Transportation Facilities, Petroleum Bulk Oil Stations and Terminals, the United States Postal Service, or Railroad Transportation Facilities
Q	Vehicle Maintenance Areas and Equipment Cleaning Areas of Water Transportation Facilities
R	Ship or Boat Building and Repair Yards
S	Vehicle Maintenance Areas, Equipment Cleaning Areas or From Airport Deicing Operations located at Air Transportation Facilities
T	Wastewater Treatment Works
U	Food and Kindred Products Facilities
V	Textile Mills, Apparel and other Fabric Product Manufacturing Facilities
W	Furniture and Fixture Manufacturing Facilities
X	Printing and Platemaking Facilities
Y	Rubber and Miscellaneous Plastic Product Manufacturing Facilities
Z	Leather Tanning and Finishing Facilities

**Table A4-12. TMSP Sectors and Descriptions.**