

APPENDIX IV

LAND USE/LAND COVER	AREAS IN HUC-10 SUBWATERSHEDS (ACRES)			
	01	02	03	05
Bare Rock/Sand/Clay	1			
Deciduous Forest	78,456	31,453	10,071	40,699
Emergent Herbaceous Wetlands	6		8,900	
Evergreen Forest	25,462	7,782	1,417	11,453
High Intensity: Commercial/Industrial/Transportation	3,116	521		2,029
High Intensity: Residential	732	69	439	397
Low Intensity: Residential	4,930	989	4,050	2,961
Mixed Forest	44,369	14,170	12,530	19,320
Open Water	6,685	265	59	166
Other Grasses: Urban/Recreational	2,812	646	2,763	1,690
Pasture/Hay	23,741	9,871	14,664	6,159
Row Crops	3,799	800	2,677	1,462
Transitional	275	52	22	209
Woody Wetlands	37			
Quarries/Strip Mines	357		20	
Total	194,778	66,619	57,612	86,545

Table A4-1. Land Use Distribution in Lower Clinch 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.

HYDROLOGIC SOIL GROUPS
GROUP A SOILS have low runoff potential and high infiltration rates even when wet. They consist chiefly of sand and gravel and are well to excessively drained.
GROUP B SOILS 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.
GROUP C SOILS 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.
GROUP D SOILS 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
03533000	0601020701	USGS	Clinch River	2,913	263	290	226
03534000	0601020701	USGS	Coal Creek	24.5	0.80	0.87	0.74
03534500	0601020701	USGS	Buffalo Creek	9.92	0.32	0.34	0.30
03535912	0601020701	USGS	Clinch River	3,343	0	14.2	0
03536320	0601020701	USGS	Whiteoak Creek	1.31			
03536380	0601020701	USGS	Whiteoak Creek	2.10			
03536440	0601020701	USGS	Northwest Tributary	0.67			
03536450	0601020701	USGS	First Creek	0.33			
03536500	0601020701	USGS	Whiteoak Creek	2.08			
03536550	0601020701	USGS	White Oak Creek	3.28			
03537000	0601020701	USGS	Whiteoak Creek	3.62	2.7	3.1	2.6
03537100	0601020701	USGS	Melton Hill Branch	0.52			
03537500	0601020701	USGS	Melton Branch	1.48	-	-	-
03538000	0601020701	USGS	Whiteoak Creek	6.01	-	-	0
03538130	0601020701	USGS	Caney Creek	5.55	0.55	0.60	0.50
03538150	0601020701	USGS	Clinch River	3,385	149	194	137
355307084180301	0601020701	TVA	Clinch River				
355308084180401	0601020701	TVA	Clinch River				
360538084075601	0601020701	TVA	Clinch River				
361326084052901	0601020701	TVA	Clinch River				
361328084053101	0601020701	TVA	Clinch River				
03535000	0601020702	USGS	Bullrun Creek	68.5	19.0	24.0	15.4
03535140	0601020703	USGS	South Fork Beaver Creek				
03535160	0601020703	USGS	Beaver Creek				
03535180	0601020703	USGS	Willow Fork				
03538200	0601020705	USGS	Poplar Creek	55.9	3.6	3.9	3.4
03538225	0601020705	USGS	Poplar Creek	82.5	3.85	4.78	3.97
03538230	0601020705	USGS	East Fork Poplar Creek				
03538235	0601020705	USGS	East Fork Poplar Creek	1.69			
03538250	0601020705	USGS	East Fork Poplar Creek	19.5	14.4	16.5	15.1
03538270	0601020705	USGS	Bear Creek	4.26	0.18	0.20	0.17
03538272	0601020705	USGS	Bear Creek	0.14			
03538273	0601020705	USGS	Bear Creek	5.0			
03538275	0601020705	USGS	Bear Creek	7.15	0.2	0.4	0.2
035382672	0601020705	USGS	Bear Creek	0.3			
035382673	0601020705	USGS	Bear Creek	3.2			
035977607	0601020705	USGS					
0356653019	0601020705	USGS					

Table A4-3. Historical Streamflow Data Summary Based on Mean Daily Flows in Lower Clinch 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	7			0601020701
TDEC	CLINC052.6AN	2	Clinch River @ RM 52.6	0601020701
TDEC	13		Bearden Creek	0601020701
TDEC	BGROV000.1AN	BEECH000.1AN	Beech Grove Fork @ RM 0.1	0601020701
TDEC	BUFFA000.7AN		Buffalo Creek @ RM 0.7	0601020701
TDEC	6		Bull Run Steam Plant	0601020701
TDEC	25		Clear Creek	0601020701
TDEC			Clinch River	0601020701
TDEC	CLINC041.5AN	000670	Clinch River @ RM 41.5	0601020701
TDEC	CLINC005.5KN	000690	Clinch River @ RM 5.5	0601020701
TDEC	CLINC010.0RO	000680	Clinch River @ RM 10.0	0601020701
TDEC	CLINC066.3AN	CLINCH066.3	Clinch River @ RM 66.3	0601020701
TDEC	COAL001.2AN		Coal Creek @ RM 1.2	0601020701
TDEC	COAL010.6AN		Coal Creek @ RM 10.6	0601020701
TDEC	COAL005.4AN	000705	Coal Creek @ RM 5.4	0601020701
TDEC	CLINC078.7AN	1CRM78.7	Clinch River @ RM 78.7	0601020701
TDEC	12		East Fork Walker Branch	0601020701
TDEC	23		Ernie's Creek	0601020701
TDEC	GRASS000.0DM	GRASSYCREEKIS01	Grassy Creek @ RM 0.0	0601020701
TDEC	CLINC017.9RO	4CRM17.9	Grubb Islands	0601020701
TDEC	HINDS000.7AN		Hinds Creek @ RM 0.7	0601020701
TDEC	HINDS012.6AN		Hinds Creek @ RM 12.6	0601020701
TDEC	HINDS014.1AN		Hinds Creek @ RM 14.1	0601020701
TDEC	HINDS006.8AN	HCK20.6	Hinds Creek @ RM 6.8	0601020701
TDEC	19		Ish Creek	0601020701
TDEC	9		Kerr Hollow Branch	0601020701
TDEC	10		McCoy Branch	0601020701
TDEC	18		Raccoon Creek	0601020701
TDEC	8		Scarboro Creek	0601020701
TDEC	14		Unnamed Tributary	0601020701
TDEC	15		Unnamed Tributary	0601020701
TDEC	16		Unnamed Tributary	0601020701
TDEC	17		Unnamed Tributary	0601020701
TDEC	21		Unnamed Tributary	0601020701
TDEC	22		Unnamed Tributary	0601020701
TDEC	11		Western Branch	0601020701
TVA	475759		Beech Grove Fork @ RM 0.24	0601020701
TVA	475154		Buffalo Creek @ RM 1.78	0601020701
TVA	475404		Buffalo Creek @ RM 4.51	0601020701
TVA	477322		Bullrun Creek @ RM 0.3	0601020701
TVA	477674		Bullrun Creek @ RM 0.5	0601020701
TVA	475323		Clinch River @ RM 0.1	0601020701
TVA	476646		Clinch River @ RM 0.5	0601020701
TVA	477222		Clinch River @ RM 0.65	0601020701

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	477222		Clinch River @ RM 0.65	0601020701
TVA	476187		Clinch River @ RM 1.0	0601020701
TVA	476612		Clinch River @ RM 1.0	0601020701
TVA	475784		Clinch River @ RM 10.0	0601020701
TVA			Clinch River @ RM 11.0	0601020701
TVA	476032		Clinch River @ RM 14.4	0601020701
TVA	476518		Clinch River @ RM 15.0	0601020701
TVA	476031		Clinch River @ RM 15.4	0601020701
TVA	476577		Clinch River @ RM 15.6	0601020701
TVA	476613		Clinch River @ RM 15.9	0601020701
TVA	475777		Clinch River @ RM 17.9	0601020701
TVA	476581		Clinch River @ RM 18.3	0601020701
TVA	476030		Clinch River @ RM 19.0	0601020701
TVA	476081		Clinch River @ RM 2.1	0601020701
TVA	476188		Clinch River @ RM 2.5	0601020701
TVA	476082		Clinch River @ RM 2.6	0601020701
TVA	477065		Clinch River @ RM 20.0	0601020701
TVA			Clinch River @ RM 20.1	0601020701
TVA			Clinch River @ RM 20.5	0601020701
TVA			Clinch River @ RM 20.6	0601020701
TVA	477340		Clinch River @ RM 21.0	0601020701
TVA	475327		Clinch River @ RM 21.7	0601020701
TVA	476609		Clinch River @ RM 23.0	0601020701
TVA	475115		Clinch River @ RM 23.10	0601020701
TVA	476631		Clinch River @ RM 23.3	0601020701
TVA	475639		Clinch River @ RM 23.4	0601020701
TVA	477167		Clinch River @ RM 23.5	0601020701
TVA	476505		Clinch River @ RM 23.7	0601020701
TVA	476556		Clinch River @ RM 24.0	0601020701
TVA	477064		Clinch River @ RM 24.0	0601020701
TVA	475324		Clinch River @ RM 3.5	0601020701
TVA	475638		Clinch River @ RM 31.8	0601020701
TVA	476632		Clinch River @ RM 38.0	0601020701
TVA	477063		Clinch River @ RM 39.0	0601020701
TVA	476189		Clinch River @ RM 4.0	0601020701
TVA	475780		Clinch River @ RM 4.6	0601020701
TVA	475637		Clinch River @ RM 41.1	0601020701
TVA	475910		Clinch River @ RM 43.0	0601020701
TVA	476633		Clinch River @ RM 44.0	0601020701
TVA	476194		Clinch River @ RM 45.0	0601020701
TVA	476345		Clinch River @ RM 46.2	0601020701
TVA	476346		Clinch River @ RM 46.4	0601020701
TVA	476070		Clinch River @ RM 46.6	0601020701
TVA	476347		Clinch River @ RM 46.8	0601020701

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	475636		Clinch River @ RM 47.0	0601020701
TVA	476195		Clinch River @ RM 47.6	0601020701
TVA	476072		Clinch River @ RM 47.7	0601020701
TVA	476091		Clinch River @ RM 48.0	0601020701
TVA	475843		Clinch River @ RM 48.6	0601020701
TVA	476073		Clinch River @ RM 48.7	0601020701
TVA	475635		Clinch River @ RM 49.0	0601020701
TVA	476074		Clinch River @ RM 49.5	0601020701
TVA	477224		Clinch River @ RM 49.5	0601020701
TVA	476196		Clinch River @ RM 49.9	0601020701
TVA	475325		Clinch River @ RM 5.0	0601020701
TVA	476190		Clinch River @ RM 5.7	0601020701
TVA	476634		Clinch River @ RM 50.0	0601020701
TVA	477165		Clinch River @ RM 50.32	0601020701
TVA	475634		Clinch River @ RM 50.5	0601020701
TVA	476197		Clinch River @ RM 50.8	0601020701
TVA	476198		Clinch River @ RM 51.2	0601020701
TVA	475633		Clinch River @ RM 51.5	0601020701
TVA	476348		Clinch River @ RM 52.5	0601020701
TVA	477225		Clinch River @ RM 53.2	0601020701
TVA	475632		Clinch River @ RM 54.0	0601020701
TVA	475631		Clinch River @ RM 56.0	0601020701
TVA	475630		Clinch River @ RM 57.0	0601020701
TVA	476349		Clinch River @ RM 58.6	0601020701
TVA	475844		Clinch River @ RM 58.8	0601020701
TVA			Clinch River @ RM 6.0	0601020701
TVA	476557		Clinch River @ RM 6.8	0601020701
TVA	475065		Clinch River @ RM 60.0	0601020701
TVA	475064		Clinch River @ RM 64.0	0601020701
TVA	475629		Clinch River @ RM 64.2	0601020701
TVA	475845		Clinch River @ RM 66.3	0601020701
TVA	477582		Clinch River @ RM 77.9	0601020701
TVA	475326		Clinch River @ RM 9.0	0601020701
TVA			Clinch River @ RM 9.7	0601020701
TVA	475157		Coal Creek @ RM 1.22	0601020701
TVA	475156		Coal Creek @ RM 4.94	0601020701
TVA	475757		Coal Creek @ RM 8.45	0601020701
TVA	475758		Coal Creek @ RM 8.95	0601020701
TVA	475153		Hinds Creek @ RM 0.75	0601020701
TVA	475391		Hinds Creek @ RM 3.56	0601020701
TVA	475403		Hinds Creek @ RM 6.73	0601020701
TVA	477166		McCoy Branch @ RM 0.4	0601020701
TVA			McCoy Branch Embayment	0601020701
TVA	476628		Patterson Creek at RM 0.01	0601020701

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA			Scarboro Creek Embayment	0601020701
TVA	477331		Unnamed Tributary @ RM 0.15	0601020701
TVA	477332		Unnamed Tributary @ RM 0.38	0601020701
TVA	475775		Whiteoak Creek @ RM 0.05	0601020701
TVA	476592		Whiteoak Creek @ RM 0.18	0601020701
TVA			Whiteoak Creek @ RM 0.2	0601020701
TVA	476591		Whiteoak Creek @ RM 0.38	0601020701
TVA	476516		Whiteoak Creek @ RM 0.4	0601020701
TVA	476626		Whiteoak Creek @ RM 0.45	0601020701
TVA			Whiteoak Creek @ RM 0.6	0601020701
TVA	476627		Whiteoak Creek @ RM 1.2	0601020701
TVA	476590		Whiteoak Creek @ RM 51.0	0601020701
TVA	476589		Whiteoak Creek @ RM 55.0	0601020701
TVA	477333		Worthington Branch @ RM 0.4	0601020701
TVA	477324		Worthington Branch @ RM 1.2	0601020701
TVA	477325		Worthington Branch @ RM 1.65	0601020701
TVA	477673		Worthington Branch @ RM 1.65	0601020701
USEPA			Clinch River	0601020701
USEPA	190002		Clinch River	0601020701
USEPA	470106		Clinch River	0601020701
USEPA	472208		Clinch River	0601020701
TDEC	BULLR005.2KN		Bull Run Creek @ RM 5.2	0601020702
TDEC	BULLR016.2KN		Bullrun Creek @ RM 16.2	0601020702
TDEC	BULLR034.1UN		Bullrun Creek @ RM 34.1	0601020702
TVA	477313		Bull Run Creek @ RM 1.8	0601020702
TVA	477314		Bull Run Creek @ RM 3.5	0601020702
TVA	477315		Bull Run Creek @ RM 7.3	0601020702
TVA	477323		Bullrun Creek @ RM 1.9	0601020702
TVA	476049		Bullrun Creek @ RM 16.3	0601020702
TVA	475232		Bullrun Creek @ RM 25.86	0601020702
TVA	475152		Bullrun Creek @ RM 5.25	0601020702
TDEC	BEAVE031.9KN	000140	Beaver Creek @ RM 31.9	0601020703
TDEC	BEAVE025.3KN	000150	Clinch River @ RM 25.3	0601020703
TDEC	BEAVE024.7KN	000160	Clinch River @ RM 24.7	0601020703
TVA	477310		Beaver Creek @ RM 13.9	0601020703
TVA	477309		Beaver Creek @ RM 10.13	0601020703
TVA	475261		Beaver Creek @ RM 13.89	0601020703
TVA	475278		Beaver Creek @ RM 14.75	0601020703
TVA	475277		Beaver Creek @ RM 15.34	0601020703
TVA	475720		Beaver Creek @ RM 16.8	0601020703
TVA	475721		Beaver Creek @ RM 17.1	0601020703
TVA	475279		Beaver Creek @ RM 20.88	0601020703
TVA	475719		Beaver Creek @ RM 21.15	0601020703
TVA	475357		Beaver Creek @ RM 24.60	0601020703

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	475376		Beaver Creek @ RM 26.69	0601020703
TVA	475718		Beaver Creek @ RM 29.10	0601020703
TVA	477311		Beaver Creek @ RM 29.3	0601020703
TVA	477307		Beaver Creek @ RM 3.4	0601020703
TVA	477312		Beaver Creek @ RM 31.8	0601020703
TVA	475390		Beaver Creek @ RM 31.92	0601020703
TVA	475089		Beaver Creek @ RM 36.92	0601020703
TVA	477308		Beaver Creek @ RM 6.9	0601020703
TDEC	BEAVE012.5KN		Beaver Creek @ RM 12.5	0601020705
TDEC	BEAVE023.6KN		Beaver Creek @ RM 23.6	0601020705
TDEC	BRUSH001.0AN		Brushy Creek @ RM 1.0	0601020705
TDEC	INDIA001.5RO		Indian Creek @ RM 1.5	0601020705
TDEC	POPLA000.1RO	002175	Poplar Creek @ RM 0.1	0601020705
TDEC	POPLA019.8AN		Poplar Creek @ RM 19.8	0601020705
TVA			Bear Creek @ RM 0.4	0601020705
TVA	476515		Bear Creek @ RM 0.55	0601020705
TVA			Bear Creek @ RM 1.2	0601020705
TVA	476514		Bear Creek @ RM 2.8	0601020705
TVA	476617		Bear Creek @ RM 2.9	0601020705
TVA			Bear Creek @ RM 3.1	0601020705
TVA	476618		Bear Creek @ RM 5.0	0601020705
TVA	476513		Bear Creek @ RM 7.4	0601020705
TVA			Bear Creek. @ RM 2.75	0601020705
TVA	476608		East Fork Poplar Creek @ RM 0.03	0601020705
TVA	476572		East Fork Poplar Creek @ RM 0.23	0601020705
TVA	476571		East Fork Poplar Creek @ RM 1.2	0601020705
TVA	476605		East Fork Poplar Creek @ RM 1.35	0601020705
TVA	476620		East Fork Poplar Creek @ RM 1.7	0601020705
TVA	476508		East Fork Poplar Creek @ RM 10.0	0601020705
TVA	476597		East Fork Poplar Creek @ RM 10.05	0601020705
TVA	476606		East Fork Poplar Creek @ RM 10.9	0601020705
TVA	476563		East Fork Poplar Creek @ RM 11.3	0601020705
TVA	476596		East Fork Poplar Creek @ RM 12.06	0601020705
TVA	476561		East Fork Poplar Creek @ RM 12.39	0601020705
TVA	476560		East Fork Poplar Creek @ RM 12.89	0601020705
TVA	476595		East Fork Poplar Creek @ RM 13.0	0601020705
TVA	476621		East Fork Poplar Creek @ RM 13.5	0601020705
TVA	476593		East Fork Poplar Creek @ RM 13.55	0601020705
TVA	476588		East Fork Poplar Creek @ RM 13.66	0601020705
TVA	476573		East Fork Poplar Creek @ RM 13.71	0601020705
TVA	476546		East Fork Poplar Creek @ RM 13.74	0601020705
TVA			East Fork Poplar Creek @ RM 13.8	0601020705
TVA	476594		East Fork Poplar Creek @ RM 14.02	0601020705
TVA	476507		East Fork Poplar Creek @ RM 14.36	0601020705

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	476570		East Fork Poplar Creek @ RM 2.36	0601020705
TVA			East Fork Poplar Creek @ RM 2.85	0601020705
TVA	476604		East Fork Poplar Creek @ RM 2.85	0601020705
TVA	476510		East Fork Poplar Creek @ RM 3.3	0601020705
TVA	476569		East Fork Poplar Creek @ RM 3.5	0601020705
TVA			East Fork Poplar Creek @ RM 4.0	0601020705
TVA	476568		East Fork Poplar Creek @ RM 4.5	0601020705
TVA	476603		East Fork Poplar Creek @ RM 4.52	0601020705
TVA	475125		East Fork Poplar Creek @ RM 4.77	0601020705
TVA	476602		East Fork Poplar Creek @ RM 4.92	0601020705
TVA	476567		East Fork Poplar Creek @ RM 5.74	0601020705
TVA	476566		East Fork Poplar Creek @ RM 6.72	0601020705
TVA	476509		East Fork Poplar Creek @ RM 6.89	0601020705
TVA	476601		East Fork Poplar Creek @ RM 7.05	0601020705
TVA	476565		East Fork Poplar Creek @ RM 7.95	0601020705
TVA			East Fork Poplar Creek @ RM 8.0	0601020705
TVA	476600		East Fork Poplar Creek @ RM 8.12	0601020705
TVA	476599		East Fork Poplar Creek @ RM 8.7	0601020705
TVA			East Fork Poplar Creek @ RM 8.8	0601020705
TVA	476564		East Fork Poplar Creek @ RM 9.21	0601020705
TVA	476598		East Fork Poplar Creek @ RM 9.74	0601020705
TVA	475158		Indian Creek @ RM 3.36	0601020705
TVA	476512		Mill Branch @ RM 0.20	0601020705
TVA	475776		Poplar Creek @ RM 0.1	0601020705
TVA	476614		Poplar Creek @ RM 0.2	0601020705
TVA	476578		Poplar Creek @ RM 1.0	0601020705
TVA	477617		Poplar Creek @ RM 1.0	0601020705
TVA	476616		Poplar Creek @ RM 13.0	0601020705
TVA	475124		Poplar Creek @ RM 13.77	0601020705
TVA	476558		Poplar Creek @ RM 13.8	0601020705
TVA	475123		Poplar Creek @ RM 21.62	0601020705
TVA	476579		Poplar Creek @ RM 3.8	0601020705
TVA	476615		Poplar Creek @ RM 5.3	0601020705
TVA	476580		Poplar Creek @ RM 6.8	0601020705

Table A4-4. STORET Water Quality Monitoring Stations in the Lower Clinch River Watershed. RM, River Mile; TDEC, Tennessee Department of Environment and Conservation; TVA, Tennessee Valley Authority; USEPA, United States Environmental Protection Agency.

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-10
TN0020630	Norris STP	4952	Sewerage System	Minor	Buffalo Creek @ RM 4.4	0601020701
TN0074713	Intex Enterprises	3479	Coating, Engraving, and Allied Service	Major	Buffalo Creek @ RM 0.3 to Hinds Creek @ RM 5.5	0601020701
TN0056073	Travel Centers of America-Concord	5541	Gas Service Station	Minor	Turkey Creek @ RM 4.9	0601020701
TN0001376	Modive Manufacturing	3443	Fabricated Plate Work	Minor	Clinch River @ RM 64.5 (Outfall 002) and Clinch River @ RM 64.6 (Outfall 003)	0601020701
TN0023981	Rexnord Corporation	3562	Ball and Roller Boring	Minor	Clinch River @ RM 64.8	0601020701
TN0021971	Carlisle Tire	3011	Tire and Inner Tube	Minor	UT to Clinch River @ RM 62.7	0601020701
TN0064564	Eagle Bend Manufacturing	3465	Auto Stamping	Minor	Clinch River @ RM 6.5	0601020701
TN0056464	Clinton Utility Board-Pine Meadows Mobile STP	4952	Sewerage System	Minor	UT @ mile 0.5 to Washington Branch @ RM 1.5	0601020701
TN0025127	Lake City STP	4952	Sewerage System	Minor	Coal Creek @ RM 3.3	0601020701
TN0005410	TVA Bull Run Fossil Plant	4911	Electric Service	Major	Clinch River @ RM 48.0	0601020701
TN0026506	Clinton STP #1	4952	Sewerage System	Major	Clinch River @ RM 56.9	0601020701
TN0057860	Briceville Elementary School	4952	Sewerage System	Minor	Coal Creek @ RM 8.6	0601020701
TN0074071	North Anderson County Utility District-Airshaft Hollow	4952	Sewerage System	Minor	Slatestone Creek @ RM 1.5	0601020701
TN0064548	Flying J Travel Plaza #5034	5541	Gas Service Station	Minor	Grable Branch @ RM 0.6 to Hickory Creek @ RM 1.7	0601020701
TN0067024	Petro Stopping Center	5541	Gas Service Station	Minor	Grable Branch	0601020701
TN0065137	Knoxville Travel Center	5541	Gas Service Station	Minor	Grable Branch @ RM 0.8	0601020701
TN0077895	ORNL-Spellation Neutron Source Facility	8733	Noncommercial Research	Minor	White Oak Creek @ RM 4.2	0601020701
TN0002941	USDOE-ORNL	9711	National Security	Major	White Oak Creek, Clinch River, Melton Branch	0601020701
TN0065030	Soaring Eagle Campground and RV	4952	Sewerage System	Minor	Clinch River (Watts Bar Reservoir) @ RM 17.5	0601020701
TN0024171	Oak Ridge-Clinch River Industrial Park STP	4952	Sewerage System	Minor	Clinch River @ RM 14.5	0601020701
TN0002950	East Tennessee Technology Park-USDOE	2819	Inorganic Chemicals	Minor	Poplar Creek @ RM 1.9, Clinch River, Mitchell Branch	0601020701
TN0074225	East Tennessee Technology Park-Central Neutralization Facility	4953	Refuse System	Major	Clinch River @ RM 12.0	0601020701
TN0074241	East Tennessee Technology Park WWTP	4952	Sewerage System	Minor	Poplar Creek @ RM 1.9	0601020701

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-10
TN0078051	City of Oak Ridge-Rarity Ridge WWTP	4952	Sewerage System	Minor	Clinch River @ RM 12.85	0601020701
TN0024368	Family Inns of America	4952	Sewerage System	Minor	UT to Young Creek @ RM 2.7	0601020701
TN0058971	Days Inn Kingston	4952	Sewerage System	Minor	UT @ RM 0.1 to Young Creek @ RM 2.7	0601020701
TN0061701	Kingston STP	4952	Sewerage System	Major	Clinch River @ RM 0.28	0601020701
TN0022870	Maynardville STP	4952	Sewerage System	Minor	North Fork Bull Run Creek @ RM 3.1	0601020702
TN0059323	Hallsdale-Powell Raccoon Valley STP	4952	Sewerage System	Minor	Bull Run Creek @ RM 12.6	0601020702
TN0024287	Hallsdale-Powell Utility District STP	4952	Sewerage System	Major	Beaver Creek @ RM 23.5	0601020703
TN0060020	West Knox Utility District-Karns Beaver Creek STP	4952	Sewerage System	Major	Beaver Creek @ RM 10.7	0601020703
TN0057878	Dutch Valley Elementary School	4952	Sewerage System	Minor	UT @ RM 2.2 to Brushy Fork Creek @ RM 11.1	0601020705
TN0002968	USDOE-OR Y12 Plant	9611	Admin of General Economic Programs	Major	East Fork Poplar Creek, McCoy Branch, Bear Creek	0601020705
TN0024155	Oak Ridge STP	4952	Sewerage System	Major	East Fork Poplar Creek @ RM 8.3	0601020705
TN0020885	Oliver Springs STP	4952	Sewerage System	Minor	Poplar Creek @ RM 15.4	0601020705

Table A4-5. NPDES Permittees in the Lower Clinch River Watershed. RM, River Mile; SIC, Standard Industrial Classification; MADI, Major Discharge Indicator; UT, Unnamed Tributary.

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-10
TN0045748	Beech Grove Processing Co. (Beech Grove Processing Plant #1)	1221	Preparation Plants, Bituminous Coal or Lignite	Beech Grove Fork	0601020701
TN0053732	Beech Grove Processing Co. (Beech Grove Refuse Area #2)	1221	Preparation Plants, Bituminous Coal or Lignite	Beech Grove Fork	0601020701
TN0053830	Beech Grove Processing Co. (Beech Grove Refuse Area #3)	1221	Preparation Plants, Bituminous Coal or Lignite	Beech Grove Fork	0601020701
TN0054470	General Shale Products (Mine #15-Wolf Valley)	1459	Shale (Common) Quarrying-not for Manufacturing	Little Dismal Creek	0601020701
TN0051918	Premium Coal Co. (Tipple and Preparation Plant)	1221	Preparation Plants, Bituminous Coal or Lignite	Slatestone Creek	0601020701
TN0063592	Premium Coal Co. (Refuse Area #2)	1221	Bituminous Coal Refuse Area	Slatestone Creek	0601020701
TN0004219	The Rogers Group (Oak Ridge Quarry)	1422	Limestone-Crushed and Broken	Union Valley Creek	0601020701
TN0052540	S&H Mining, Inc. (Deep Mine #7)	1221	Coal Mining Bituminous, Underground	Slatestone Creek	0601020701
TN0049832	The Tennessee Coal Co. (Mine #2)	1221	Coal Mining Bituminous, Underground	Disney Hollow	0601020701
TN0053678	The Tennessee Coal Co. (Deep Mine #5)	1221	Coal Mining Bituminous, Underground	Beech Grove Fork	0601020701
TN0053813	The Tennessee Coal Co. (Deep Mine #6)	1221	Coal Mining Bituminous, Underground	Beech Grove Fork	0601020701
TN0066061	The Tennessee Coal Co. (Mine #7)	1221	Coal Mining Bituminous, Underground	Beech Grove Fork	0601020701
TN0070921	The Tennessee Coal Co. (Deep Mine #10)	1221	Coal Mining Bituminous, Underground	Beech Grove Fork	0601020701
TN0026484	Vulcan Construction Materials (Dixie Lee Quarry)	1422	Limestone-Crushed and Broken	Hickory Creek	0601020701
TN0076236	Duracap Asphalt Materials (Asphalt Plant)	2951	Asphalt and Asphaltic Mixtures for Paving	Williams Branch	0601020702
TN0072150	Loyston Road Quarry	1422	Limestone-Crushed and Broken	UT to Bull Run Creek	0601020702
TN0072796	Renfro Construction Company (Diggs Gap Road Asphalt Plant)	2951	Asphalt and Asphaltic Mixtures for Paving	Foster Branch	0601020702
TN0063355	Rinker Materials South Central (I-75 Quarry)	1422	Limestone-Crushed and Broken	Williams Branch and Foster Branch	0601020702
TN0072460	Vulcan Construction Materials (Maynardville Quarry)	1422	Limestone-Crushed and Broken	Raccoon Creek and UT to Raccoon Creek	0601020702

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-10
TN0063274	Dalco of Tennessee (Poplar Creek Mine)	1221	Coal Mining Bituminous, Underground	Hundred Acre Hollow	0601020705
TN0072231	Dalco of Tennessee (Tipple #1)	1221	Preparation of Plants, Bituminous Coal or Lignite	Middle Creek	0601020705
TN0072249	Dalco of Tennessee (Hooper Mine)	1222	Coal Mining Bituminous, Underground	Geise Creek	0601020705
TN0025704	The Rogers Group (Oliver Springs Sand Quarry and Plant)	1422	Construction Sand and Gravel Mining	UT to Massengill Spring Creek	0601020705
TN0076198	Tennessee Mining, Inc. (SRA Surface Mine)	1221	Coal Mining Bituminous, Surface	Hundred Acre Hollow and Prudential Hollow	0601020705

Table A4-6. Active Permitted Mining Sites in the Lower Clinch River Watershed. SIC, Standard Industrial Classification, UT, Unnamed Tributary.

FACILITY NUMBER	PERMITEE	WATERBODY	HUC-10
TN0073253	Anderson County Utility District WTP	Clinch River	0601020701
TN0005576	North Anderson County Utility District WTP	Clinch River	0601020701
TN0004553	Norris WTP	Clear Creek @ RM 74.5	0601020701
TN077593	West Knox Utility District-Williams Bend WTP	Clinch River (Melton Hill Reservoir) @ RM 36.7	0601020701
TN0074233	East Tennessee Technology Park WTP	Clinch River @ RM 14.4	0601020701
TN0073288	Melton Hill WTP	Bull Run Creek @ RM 5.2	0601020702
TN0074501	Fowler Springs WTP	Fowler Springs Branch @ RM 1.03	0601020702
TN0061620	Oliver Springs WTP	Hord Creek @ RM 1.0	0601020705

Table A4-7. Water Treatment Plants in the Lower Clinch River Watershed. RM, River Mile.

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-10
TNG110058	APAC Tennessee	3273	Ready-Mix Concrete	Clinch River (Melton Hill Lake) @ RM 66.0	0601020701
TNG110087	Harrison Ready Mix	3273	Ready-Mix Concrete	Clinch River @ RM 50.0	0601020701
TNG110093	Harrison Ready Mix	3273	Ready-Mix Concrete	Poplar Creek	0601020701
TNG110028	Ready-Mix Concrete, Inc.	3273	Ready-Mix Concrete	Foster Branch to Bull Run Creek @ RM 12.6	0601020702
TNG110128	Union Concrete Company	3273	Ready-Mix Concrete	Raccoon Creek to Bull Run Creek	0601020702
TNG110030	C&C Ready-Mix	3273	Ready-Mix Concrete	UT to Indian Creek to Poplar Creek @ RM 14.2	0601020705

Table A4-8. Ready Mix Concrete Plants in the Lower Clinch River Watershed. RM, River Mile; UT, Unnamed Tributary.

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-10
NRS03.118	Roane	SR-1 Bridge and Approach	Clinch River	0601020701
NRS04.029	Roane	I-40 Bridge	Clinch River	0601020701
NRS00.268	Roane	325' culvert	UT to Melton Branch	0601020701
NRS00.042	Roane	Wetland Fill	White Oak Creek and Wetlands	0601020701
NRS03.090	Anderson	Bridge and Approach	Coal Creek	0601020701
NRS02.163	Roane	Wetland Fill/Stream Relocation (2)	UT to Paw Paw Creek	0601020701
NRS03.142	Roane	Mitchell Bridge Cross Removal	Mitchell Branch	0601020701
NRS03.179	Anderson	Wetland Fill	Wetland to UT to Andy Branch	0601020702
NRS00.079	Anderson	Maintenenace Dredging	Clinch River	0601020702
NRS01.301	Anderson	Water Intake Structure	Clinch River	0601020702
NRS03.403	Knox	Wetland Fill	First Creek	0601020703
NRS01.284	Knox	SR 131 Construction	Isolated	0601020703
NRS02.320B	Knox	Road Widening	UT to Plumb Creek	0601020703
NRS02.320	Knox	Road Widening	Plumb Creek	0601020703
NRS02.320E	Knox	Road Widening	Plumb Creek	0601020703
NRS02.320F	Knox	Road Widening	UT to Plumb Creek	0601020703
NRS02.320C	Knox	Road Widening	UT to Plumb Creek	0601020703
NRS02.320D	Knox	Road Widening	UT to Plumb Creek	0601020703

Table A4-9. Individual ARAP Permits Issued January 2000 Through June 2004 in Lower Clinch River Watershed. UT, Unnamed Tributary.

1

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-10
TNR051823	Clayton Homes	A	UT(s) To Buffalo Creek	20	0601020701
TNR056456	MAG USA, Inc.	AB	Hinds Creek @ RM 7.2	1	0601020701
TNR051306	Becromal of America	AA	Clinch River @ RM 64.4	2.26	0601020701
TNR050535	Modive Manufacturing	AB	Clinch River	37.64	0601020701
TNR053601	Carlisle Tire	Y	Clinch River	110	0601020701
TNR053880	Breed Technologies	AB, V	UT to Fourth Creek	15	0601020701
TNR050171	DH Compounding Co.	Y	Clinch River	5	0601020701
TNR050016	Eagle Bend Manufacturing	AA	Clinch River	6	0601020701
TNR054184	Ultimate Tool and Die, Inc.	AB	Cane Creek	0.344	0601020701
TNR053185	TVA Bull Run Fossil Plant	O, P	Clinch River @ RM 47.9 and @ RM 48.1	114.1	0601020701
TNR053902	Yarnell Demolition Landfill	L	Hickory Creek	47.09	0601020701
TNR054049	Trailmanor	AB	Right Fork Coal Creek	15.7	0601020701
TNR056118	European Import Auto Parts	M	UT to Clinch River	6	0601020701
TNR054256	A&S Building Systems	AA	Right Fork Coal Creek	13.3	0601020701
TNR050694	Fox Auto Salvage	M	Clinch River	7	0601020701
TNR053196	Waste Connections	N, P	Melton Hill Lake	1.5	0601020701
TNR053750	The Mulch Company	A	UT to Hickory Creek	8	0601020701
TNR053322	Coorstek	E	Melton Hill Lake	15.4	0601020701
TNR050388	Manufacturing Services	A, AA	East Fork Poplar Creek	8	0601020701
TNR050708	Watt Road Plant	D	Hickory Creek	3	0601020701
TNR053814	TRU Waste Remediation Facility	K	White Oak Creek	5	0601020701
TNR051628	Duratek Services	AD, P	UT to Grassy Creek	30	0601020701
TNR052083	ATG Catalytic	C	Grassy Creek	6.31	0601020701
TNR050321	Diversified Scientific Service	K	WWC to Clinch River	6.9	0601020701
TNR056119	Floyd's Salvage and Wrecker Service	M	Potato Creek	1	0601020702
TNR050756	Smith Auto Parts and Used cars	M	Not Identified	4	0601020702
TNR054583	Jimmy's Automotive	M	Bull Run Creek	8	0601020702
TNR055906	Renfro Construction Company	D	Raccoon Creek	7.5	0601020702
TNR056277	Sexton Auto Parts	M	Bull Run Creek	5	0601020702
TNR053206	Clayton Homes	A	UT to North Fork Bull Run Creek	12	0601020702
TNR055929	Buckeye Wheel and Axle	AA	Suckstone Creek	1.5	0601020702
TNR053917	Overton's 33 Quarry	P	Bull Run Creek	4	0601020702
TNR055058	Underwood Auto Parts	M	WWC to Allen Creek	6	0601020702
TNR051248	Chestnut Ridge Landfill Recycling Center	L, P	Andy Branch Creek	412	0601020702
TNR050614	Lambert Auto Parts	M	Bull Run Creek	6	0601020702
TNR050291	Red Johnson Auto Parts	M	Jennings Branch	6	0601020702

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-10
TNR050861	Car World	M	Beaver Creek	4	0601020702
TNR053768	Inskip Concrete Products	P	Knoxville Storm Sewer System	3	0601020703
TNR053208	CMH Manufacturing	A	Hines Branch	2.74	0601020702
TNR054542	Crossover Drives, Inc.	AB	Beaver Creek	0.2	0601020703
TNR051350	Mid-Lakes Corporation	V	Beaver Creek	1.1	0601020703
TNR054576	Volunteer Volvo	P	Haw Branch	5.5	0601020703
TNR053565	United Parcel Service	P	Haw Branch	22.49	0601020703
TNR053226	Safety-Kleen Systems	K	Beaver Creek	3	0601020703
TNR054298	Video Publishing/Printing	X	UT to Beaver Creek	0.945	0601020703
TNR056359	Petes Auto Parts	M	Melton Hill Reservoir	7	0601020703
TNR050723	Vinylex Corporation	Y	UT to Meadow Creek	16.8	0601020703
TNR054362	Initrac Railroad Materials	N	Meadow Creek and Beaver Creek	10	0601020703
TNR053696	PBR Automotive USA	AB, F	Beaver Creek	35	0601020703
TNR050990	Boeing Defense and Space Group	AB	Clinch River	205	0601020705
TNR053933	Tate Service Center and Auto Salvage	M	East Fork Poplar Creek	3.5	0601020705
TNR053559	Unites parcel Service	P	UT to Poplar Creek	1.49	0601020705
TNR054068	Road Products Corp.	Y	First Creek	0.28	0601020705

Table A4-10. Active Permitted TMSP Facilities in the Lower Clinch River Watershed. Area, acres of property associated with industrial activity; UT, Unnamed Tributary; WWC, Wet Weather Conveyance. Sector details may be found in Table A4-11.

SECTOR	TMSP SECTOR NAME
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 A4-11. TMSP Sectors and Descriptions.