

APPENDIX IV

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0101	0102	0103	0104	0105
Bare Rock/Sand/Clay	105	60	12	18	148
Deciduous Forest	37,103	26,499	19,476	32,741	31,539
Developed Open Space	472	769	561	1,269	1,916
Evergreen Forest	11	19	1	117	189
Grassland/Herbaceous	2,056	1,037	451	1,106	2,692
High Intensity Development	2	2			6
Low Intensity Development	34	69	14	75	207
Medium Intensity Development	15	8		11	79
Mixed Forest	2,292	1,001	683	1,858	2,801
Open Water	8	38		99	28
Pasture/Hay	93	118	91	197	1,742
Shrub/Scrub	32	67	130	92	125
Woody Wetlands	1	31	22	101	49
Total	42,225	29,717	21,440	37,684	41,519

Table A4-1a.

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0106	0107	0108	0201	0202
Bare Rock/Sand/Clay	288	25	220	176	658
Deciduous Forest	18,529	26,703	10,795	7,233	6,637
Developed Open Space	1,940	1,341	1,019	689	706
Evergreen Forest	176	329	145	2,082	755
Grassland/Herbaceous	2,775	1,393	1,909	3,428	5,753
High Intensity Development	26		35	14	2
Low Intensity Development	415	43	330	378	240
Medium Intensity Development	168	4	228	83	64
Mixed Forest	2,235	2,812	1,865	3,924	4,369
Open Water	173	3	193	60	50
Pasture/Hay	2,014	742	1,057	2,212	3,039
Row Crops				116	2
Shrub/Scrub	62	102	95		2
Woody Wetlands	187	205	107	1	1
Total	28,989	33,703	17,998	20,396	22,276

Table A4-1b.

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0203	0204	0205	0301	0302
Bare Rock/Sand/Clay	162	185	85	63	111
Deciduous Forest	10,824	6,524	10,733	9,316	9,109
Developed Open Space	1,406	1,429	1,174	1,059	800
Evergreen Forest	1,188	796	607	32	222
Grassland/Herbaceous	6,604	2,216	1,805	3,496	1,909
High Intensity Development		28	2	16	2
Low Intensity Development	370	540	311	310	159
Medium Intensity Development	70	169	37	260	30
Mixed Forest	8,571	4,842	3,423	1,226	3,577
Open Water	41	58	78	8	4
Pasture/Hay	3,226	3,718	1,198	930	916
Row Crops	5	9		1	
Shrub/Scrub	125	37	21	1	10
Woody Wetlands	2		117		
Total	32,594	20,550	19,591	16,718	16,850

Table A4-1c.

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0303	0304	0401	0402	0403
Bare Rock/Sand/Clay	107	81	121	103	13
Deciduous Forest	13,589	5,214	10,044	6,912	9,154
Developed Open Space	1,120	565	650	1,904	415
Emergent Herbaceous Wetlands			1		
Evergreen Forest	426	283	493	157	688
Grassland/Herbaceous	2,712	1,307	684	2,127	389
High Intensity Development	1			193	
Low Intensity Development	330	181	89	853	52
Medium Intensity Development	99	46	26	400	4
Mixed Forest	2,298	2,745	8,022	2,541	9,258
Open Water	7	2	276	178	4
Pasture/Hay	803	344	238	1,857	385
Row Crops			17		
Shrub/Scrub	20	6	8	1	2
Woody Wetlands	42	22	12	1	50
Total	21,554	10,797	20,680	17,226	20,412

Table A4-1d.

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0404	0405	0407	0408	0501
Bare Rock/Sand/Clay	34	234	137	16	130
Deciduous Forest	16,718	6,642	8,285	6,706	19,902
Developed Open Space	698	198	739	354	1,797
Evergreen Forest	860	150	257	451	1,267
Grassland/Herbaceous	1,178	1,274	2,164	203	2,895
High Intensity Development		14	14		23
Low Intensity Development	91	91	232	14	399
Medium Intensity Development	4	60	82		80
Mixed Forest	10,849	1,437	2,057	4,383	11,942
Open Water	148	10	36		73
Pasture/Hay	1,219	267	1,766	5	3,889
Row Crops	1	2	4		15
Shrub/Scrub	2	3	47		14
Woody Wetlands	17	10	44		14
Total	31,820	10,392	15,864	12,131	42,440

Table A4-1e.

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)	
	0502	0701
Bare Rock/Sand/Clay	23	
Deciduous Forest	8,149	6,120
Developed Open Space	294	91
Evergreen Forest	437	61
Grassland/Herbaceous	533	23
High Intensity Development	1	
Low Intensity Development	70	1
Medium Intensity Development	2	
Mixed Forest	3,802	310
Open Water	1	
Pasture/Hay	319	22
Shrub/Scrub		3
Total	13,631	6,631

Table A4-1f.

Table A4-1a-f. Land Use Distribution in South Fork Cumberland River Watershed by HUC-12. 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. Soils are grouped into four hydrologic soil groups that describe a soil's permeability and, therefore, its susceptibility to runoff.

STATION	HUC 10	STREAM	AREA (MI ²)	DAILY FLOW			3Q2	1Q10	3Q10	7Q10	3Q20
				AVG	MAX	MIN					
3407875	0513010401	Bills Branch	0.67	1.9	100.0	0.0	na	na	na	na	na
3407876	0513010401	Smokey Creek	17.20	45.9	2000.0	0.0	na	na	na	na	na
3407877	0513010401	Bowling Branch	2.19	4.0	102.0	0.0	na	na	na	na	na
3407881	0513010401	Anderson Branch	0.69	1.5	122.0	0.0	na	na	na	na	na
3407882	0513010401	Lowe Branch	0.92	1.5	112.0	0.0	na	na	na	na	na
3407908	0513010401	New River	198.00	198.0	417.7	12200.0	1.9	na	na	na	na
3408000	0513010401	New River	314.00	621.9	42600.0	0.2	2.4	0.4	0.4	0.8	1.6
3408500	0513010401	New River	382.00	730.5	38000.0	0.1	4.0	0.4	0.4	0.5	0.2
3409500	0513010402	Clear Fork	272.00	475.7	24800.0	0.2	4.5	1.1	1.2	1.5	0.8
3409000	0513010403	White Oak Creek	13.50	23.8	1020.0	0.0	na	na	na	na	na

Table A4-3. Stream Flow Data from USGS Gaging Stations in the South Fork Cumberland River Watershed. Data are in cubic feet per second (CFS). Data were obtained from the USGS web application StreamStats at <http://water.usgs.gov/osw/streamstats>. (na, data not available)

AGENCY	STATION	LOCATION	HUC-12
11COEHUN	3BSF10021	Beech Fork @ RM 0.1	051301040101
TDECWPC	ECO69D05	New River @ RM 55.4	051301040101
TDECWPC	NEW048.0AN	New River @ RM 48.0	051301040101
11COEHUN	3BSF10023	New River @ RM 44.9	051301040102
TDECWPC	ECO69D06	Round Rock Creek @ RM 1.0 (Probation)	051301040102
11COEHUN	3BSF10020	Smoky Creek @ RM 0.9	051301040103
11COEHUN	3BSF10018	Montgomery Creek @ RM 0.5	051301040104
11COEHUN	3BSF10019	New River @ RM 32.5	051301040104
22TNOSM2	151004S1	Bud Mine Site Near Capitol Hill Above Buffalo Creek	051301040105
22TNOSM2	151004S2	Bud Mine Site Near Capitol Hill Above Buffalo Creek	051301040105
22TNOSM2	151004S3	Bud Mine Site Near Capitol Hill Above Buffalo Creek	051301040105
11COEHUN	3BSF10015	Paint Rock Creek @ RM 1.3	051301040106
11COEHUN	3BSF10016	New River @ RM 21.8	051301040106
11COEHUN	3BSF10017	Buffalo Creek @ RM 0.1	051301040106
11COEHUN	3BSF10014	Brimstone Creek @ RM 3.1	051301040107
11COEHUN	3BSF10006	New River @ RM 8.8	051301040108
11COEHUN	3BSF10013	Phillips Creek @ RM 0.3	051301040108
11NPSWRD	BISO_NPS_NR-1	New River at Mouth	051301040108
11NPSWRD	BISO_NPS_NR-3	New River Downstream of Hwy. 27 at USGS Gage	051301040108
11NPSWRD	BISO_TTU_NR	New River at Highway 27 Bridge	051301040108
TDECWPC	NEW008.8SC	New River @ RM 8.8	051301040108
11NPSWRD	BISO_NPS_CL-3	Clear Fork at Brewster Bridge	051301040203
11NPSWRD	BISO_NPS_CL-4	Clear Fork 100 Meters Upstream of Peters Bridge	051301040203
11NPSWRD	BISO_TTU_CFR	Clear Fork River at Peters Bridge	051301040203
11NPSWRD	BISO_TTU_CRC	Crooked Creek Near Mouth at Peters Bridge	051301040204
11NPSWRD	BISO_NPS_CL-1	Clear Fork at Mouth	051301040205
11NPSWRD	BISO_NPS_CL-2	Clear Fork at USGS Gage At Burnt Mill Bridge	051301040205
TDECWPC	CFORK003.8SC	Clear Fork River @ RM 3.8	051301040205
TDECWPC	WOAK015.7MG	White Oak Creek @ RM 15.7	051301040301
TDECWPC	BCAMP002.2MG	Bone Camp Creek @ RM 2.2	051301040302
TDECWPC	BWOLF000.1MG	Black Wolf Creek @ RM 0.1	051301040303
11COEHUN	3BSF10010	Whiteoak Creek @ RM 5.7	051301040304
11NPSWRD	BISO_NPS_WO-2	White Oak Creek 300m Downstream of Horseshoe Bend	051301040304
11NPSWRD	BISO_NPS_WO-3	White Oak Creek at Old Hwy. 52 Bridge	051301040304
TDECWPC	WOAK005.7MG	White Oak Creek @ RM 5.7	051301040304
11COEHUN	3BSF10003	South Fork Cumberland River @ RM 70.0	051301040401
11NPSWRD	BISO_NPS_BN-1	Bandy Creek at Mouth	051301040401
11NPSWRD	BISO_NPS_BN-2	Bandy Creek at Leatherwood Ford Road	051301040401
11NPSWRD	BISO_NPS_BN-3	Bandy Creek at County Line	051301040401
11NPSWRD	BISO_NPS_PI-1	Pine Creek at Mouth	051301040401
11NPSWRD	BISO_TTU_BSF	Big South Fork at Leatherwood Bridge	051301040401

Table A4-4a.

AGENCY	STATION	LOCATION	HUC-12
TDECWPC	BSFOR070.0SC	Big South Fork Cumberland River @ RM 70.0	051301040401
11NPSWRD	BISO_NPS_PI-3	Pine Creek 300m Downstream of Toomy At Railroad	051301040402
TDECWPC	PINE000.1SC	Pine Creek @ RM 0.1	051301040402
TDECWPC	PINE000.25SC	Pine Creek @ RM 0.25	051301040402
TDECWPC	PINE003.6SC	Pine Creek @ RM 3.6	051301040402
TDECWPC	PINE006.0SC	Pine Creek @ RM 6.0	051301040402
TDECWPC	PINE008.3SC	Pine Creek @ RM 8.3	051301040402
TDECWPC	PINE011.4SC	Pine Creek @ RM 11.4	051301040402
TDECWPC	PINESUR01	Pine Creek @ RM 8.8	051301040402
TDECWPC	PINESUR02	Pine creek @ RM 8.3	051301040402
TDECWPC	PINESUR03	Pine Creek @ RM 5.8	051301040402
TDECWPC	PINESUR04	Pine Creek @ RM 0.25	051301040402
TDECWPC	SFPIN000.3SC	South Fork Pine Creek @ RM 0.3	051301040402
11NPSWRD	BISO_NPS_LS-1	Laurel Fork of Station Camp Creek Mouth	051301040403
11NPSWRD	BISO_NPS_LS-3	Laurel Fork 100m Upstream of Crooked Branch	051301040403
11NPSWRD	BISO_NPS_SC-1	Station Camp Creek at Mouth	051301040403
11NPSWRD	BISO_NPS_SC-2	Station Camp Creek 200m Upstream of Laurel Fork	051301040403
11NPSWRD	BISO_NPS_SC-3	Station Camp Creek 20m Upstream of Charit Creek	051301040403
11NPSWRD	BISO_NPS_SC-4	Station Camp Creek 400m Downstream of Charit Creek	051301040403
TDECWPC	ECO68A03	Laurel Fork of Station Camp Creek @ RM 4.0	051301040403
11NPSWRD	BISO_NPS_GR-1	Grassy Fork of Williams Creek at Mouth	051301040404
11NPSWRD	BISO_NPS_GR-3	Grassy Fork 1.6km Upstream of Indian Rock Branch	051301040404
11NPSWRD	BISO_NPS_NB-1	No Business Creek 200m Upstream of Mouth	051301040404
11NPSWRD	BISO_NPS_NB-3	No Business Creek 200m Dwnstream of Tacket Creek	051301040404
11NPSWRD	BISO_NPS_PU-1	Puncheon Camp Fork of Williams Creek at Mouth	051301040404
11NPSWRD	BISO_NPS_PU-3	Puncheon Camp Fork at Grave Hill Road Crossing	051301040404
11NPSWRD	BISO_NPS_WL-1	Williams Creek at Mouth	051301040404
11NPSWRD	BISO_NPS_WL-2	Williams Creek 100m Upstream Of Puncheon Camp Fork	051301040404
11NPSWRD	BISO_NPS_WL-3	Williams Creek at Williams Creek Road Crossing	051301040404
11NPSWRD	BISO_NPS_BR-3	Bear Creek 300m Above Slaven Branch	051301040405
TVA	476139		051301040407
TVA	476140	UT to Jones Branch @ RM 0.28	051301040407
TVA	476141		051301040407
TDECWPC	JONES1T0.4SC	UT to Jones Branch @ RM 0.4	051301040407
TDECWPC	RPAUN015.7SC	Roaring Paunch Creek @ RM 15.7	051301040407
11NPSWRD	BISO_NPS_RO-3	Rock Creek 300m Downstream of Highway 154 Bridge	051301040408
TDECWPC	ECO68A01	Rock Creek @ RM 24.8	051301040408
TDECWPC	PICKETT	Pickett Lake @ Dam	051301040408
TDECWPC	THOMP004.8PI	Thompson Creek @ RM 4.8	051301040408
COEHUN	3BSF10012	North Whiteoak Creek @ RM 4.7	051301040501
COEHUN	3BSF1011	Laurel Fork @ RM 0.1	051301040501
12R2OSM	4700101S04	New River	051301040501

Table A4-4b.

AGENCY	STATION	LOCATION	HUC-12
TVA	600053	UT to Mill Creek	051301040501
TVA	600077	UT to South Prong Clear Fork @ RM 5.0	051301040501
TVA	600078	UT to South Prong Clear Fork @ RM 5.0	051301040501
11NPSWRD	BISO_NPS_NW-1	North White Oak Creek Mouth	051301040501
11NPSWRD	BISO_NPS_NW-3	North White Oak Creek 300m Upstream of Mill Ck	051301040501
TDECWPC	NWOAK014.7FE	North White Oak Creek @ RM 14.7	051301040501
11NPSWRD	BISO_NPS_LN-1	Laurel Fork North of White Oak Creek Mouth	051301040502
11NPSWRD	BISO_NPS_LN-3	Laurel Fork of North White Oak Creek at Highway 154	051301040502
11NPSWRD	BISO_NPS_BR-1	Bear Creek at Mouth	Kentucky
11NPSWRD	BISO_NPS_RO-1	Rock Creek 0.6km Upstream of Mouth	Kentucky
11NPSWRD	BISO_NPS_RP-1	Roaring Paunch Creek at Barthell	Kentucky
11NPSWRD	BISO_NPS_RP-3	Roaring Paunch Creek 100m Upstream of Hwy. 742	Kentucky
11NPSWRD	BISO_PP_01-BSY	Big South Fork River at Yamacraw Bridge	Kentucky
11NPSWRD	BISO_PP_02A-RCU	Big South Fork Upstream of Rock Creek	Kentucky
11NPSWRD	BISO_PP_02B-RCD	Big South Fork Downstream of Rock Creek	Kentucky
11NPSWRD	BISO_PP_02-RC1	Rock Creek - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_03-M68	Mine Drainage at Mine 68	Kentucky
11NPSWRD	BISO_PP_04A-WRU	Big South Fork River Upstream of Worley Creek	Kentucky
11NPSWRD	BISO_PP_04B-WRD	Big South Fork River Downstream of Worley Creek	Kentucky
11NPSWRD	BISO_PP_04C-WR	Worley Creek - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_04-M86	Mine Drainage at Mine 86	Kentucky
11NPSWRD	BISO_PP_05A-M88	UT Downstream Of Mine Drainage At Mine 88	Kentucky
11NPSWRD	BISO_PP_05B-M88	Big South Fork Downstream of Mine 88	Kentucky
11NPSWRD	BISO_PP_05-M88	Mine Drainage at Mine 88	Kentucky
11NPSWRD	BISO_PP_06-M61	Mine Drainage at Mine 88	Kentucky
11NPSWRD	BISO_PP_07A-SHU	Big South Fork Upstream of Slavey Hollow	Kentucky
11NPSWRD	BISO_PP_07B-SHD	Big South Fork Downstream of Slavey Hollow	Kentucky
11NPSWRD	BISO_PP_07C-SH	Slavey Hollow - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_07C-SH1	Slavey Hollow - A Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_07-SH	Slavey Hollow - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_08-SR1	Mine Spoil at Roaring Paunch Confluence	Kentucky
11NPSWRD	BISO_PP_09A-BTH	Roaring Paunch Near Barthell Town	Kentucky
11NPSWRD	BISO_PP_09-BTH	Mine Drainage at Barthell Town	Kentucky
11NPSWRD	BISO_PP_10A-BTH	Discharge to Roaring Paunch Near Barthell Town	Kentucky
11NPSWRD	BISO_PP_10B-BTH	Culvert Seepage to Roaring Paunch	Kentucky
11NPSWRD	BISO_PP_10-BTH	Roaring Paunch Downstream of Barthell Town	Kentucky
11NPSWRD	BISO_PP_12A-RPU	Big South Fork Upstream of Roaring Paunch	Kentucky
11NPSWRD	BISO_PP_12B-RPD	Big South Fork Downstream of Roaring Paunch	Kentucky
11NPSWRD	BISO_PP_12-RP	Mouth of Roaring Paunch Creek	Kentucky
11NPSWRD	BISO_PP_13-M60	Mine Spoil Drainage at Mine #60	Kentucky
11NPSWRD	BISO_PP_14-M59	Mine Drainage at Mine #59	Kentucky
11NPSWRD	BISO_PP_15A-NGU	Big South Fork Upstream of Nancy Graves Creek	Kentucky

Table A4-4c.

AGENCY	STATION	LOCATION	HUC-12
11NPSWRD	BISO_PP_15B-NGD	Big South Fork Downstream of Nancy Graves Creek	Kentucky
11NPSWRD	BISO_PP_15-M59	Nancy Graves Creek Near Mine #59	Kentucky
11NPSWRD	BISO_PP_17-M58	Mine Drainage at Mine #58	Kentucky
11NPSWRD	BISO_PP_18-M58	Mine Drainage at Mine #58	Kentucky
11NPSWRD	BISO_PP_19-CO	Spring Located at Comargo	Kentucky
11NPSWRD	BISO_PP_20-DCU	Upstream into Devils Creek	Kentucky
11NPSWRD	BISO_PP_21A-DCU	Big South Fork Upstream of Devils Creek	Kentucky
11NPSWRD	BISO_PP_21B-DCD	Big South Fork Downstream of Devils Creek	Kentucky
11NPSWRD	BISO_PP_21-DC	Devils Creek Confluence	Kentucky
11NPSWRD	BISO_PP_22A-DCU	Big South Fork Upstream of Devils Creek	Kentucky
11NPSWRD	BISO_PP_22-DC1	Spring at Devils Creek	Kentucky
11NPSWRD	BISO_PP_23-M49	Mine Drainage at Mine #49	Kentucky
11NPSWRD	BISO_PP_24-M50	Three West Hollows Near Mine #50	Kentucky
11NPSWRD	BISO_PP_25-M48	Three West Hollows Downstream of Mine #48	Kentucky
11NPSWRD	BISO_PP_26-M48	Three West Hollows Near Mine #48	Kentucky
11NPSWRD	BISO_PP_27-M51	Mine Drainage at Mine #51	Kentucky
11NPSWRD	BISO_PP_28A-UMD	Big South Fork Downstream of Mine #46	Kentucky
11NPSWRD	BISO_PP_28-UMD	Mine Drainage Near Mine #46	Kentucky
11NPSWRD	BISO_PP_30A-UMD	Big South Fork Upstream of Biso_30-Umd	Kentucky
11NPSWRD	BISO_PP_30-UMD	Mine Drainage Confluence North of Biso_28-Umd	Kentucky
11NPSWRD	BISO_PP_31-M46	UT North of Biso_29-M46	Kentucky
11NPSWRD	BISO_PP_32A-TWH	Big South Fork Upstream of Three West Hollows	Kentucky
11NPSWRD	BISO_PP_32B-TWH	Big South Fork Downstream of Three West Hollows	Kentucky
11NPSWRD	BISO_PP_32-TWH	Three West Hollows - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_33-BH4	Mine Spoil Area at Blue Heron Tipple	Kentucky
11NPSWRD	BISO_PP_34B-BHD	Big South Fork Downstream of Blue Heron	Kentucky
11NPSWRD	BISO_PP_34-BH1	Mine Spoil Area at Blue Heron	Kentucky
11NPSWRD	BISO_PP_35A-BH3	Big South Fork Downstream of Blue Heron	Kentucky
11NPSWRD	BISO_PP_35B-BHN	Mine Spoil Area East of Blue Heron	Kentucky
11NPSWRD	BISO_PP_35-BH2	Mine Spoil Area East of Blue Heron	Kentucky
11NPSWRD	BISO_PP_36A-BHU	Big South Fork Upstream of Blue Heron	Kentucky
11NPSWRD	BISO_PP_36-BH3	Mine Spoil Area East of Blue Heron	Kentucky
11NPSWRD	BISO_PP_37-M43	Mine Drainage Near Mines #43 And #44	Kentucky
11NPSWRD	BISO_PP_38-M41	Mine Spoil Drainage Near Mine #41	Kentucky
11NPSWRD	BISO_PP_39A-LBC	Big South Fork River Downstream of Laurel Branch	Kentucky
11NPSWRD	BISO_PP_39B-LBC	Big South Fork River Downstream of Laurel Branch	Kentucky
11NPSWRD	BISO_PP_39-LBC1	Mine Spoil Drainage Near Laurel Branch	Kentucky
11NPSWRD	BISO_PP_40-LB1	Laurel Branch - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_41A-LBU	Big South Fork Upstream of Laurel Branch	Kentucky
11NPSWRD	BISO_PP_41B-LBD	Big South Fork Downstream of Laurel Branch	Kentucky
11NPSWRD	BISO_PP_41-LB2	Laurel Branch - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_42-BLC1	Blair Creek - Big South Fork Tributary	Kentucky

Table A4-4d.

AGENCY	STATION	LOCATION	HUC-12
11NPSWRD	BISO_PP_43A-BLC	Big South Fork Downstream of Blair Creek	Kentucky
11NPSWRD	BISO_PP_43-BLC2	Blair Creek - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_44-BSHU	Big Spring Hollow - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_45A-BSH	Big South Fork Upstream of Big Spring Hollow	Kentucky
11NPSWRD	BISO_PP_45B-BSH	Big South Fork Downstream of Big Spring Hollow	Kentucky
11NPSWRD	BISO_PP_45-BSH1	Big Spring Hollow - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_46-BSHD	Big Spring Hollow - Big South Fork Tributary	Kentucky
11NPSWRD	BISO_PP_47A-BCU	Big South Fork Upstream of Bear Creek	Kentucky
11NPSWRD	BISO_PP_47B-BCD	Big South Fork Downstream of Bear Creek	Kentucky
11NPSWRD	BISO_PP_47-BC	Bear Creek - Big South Fork Tributary	Kentucky
21KY	PRI008	South Fork Cumberland River at Blue Heron	Kentucky

Table A4-4e.

Tables A4-4a-e. STORET Water Quality Monitoring Stations in the South Fork Cumberland River Watershed. COE, Corps of Engineers; NPSWRD, National Park Service Water Resources Division; OSM, Office of Surface Mining; TDECWPC, Tennessee Department of Environment and Conservation Division of Water Pollution Control; TVA, Tennessee Valley Authority. UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-12
TN0067172	Fairview Elementary School	4952	Sewerage System	Minor	UT @ RM 0.5 to Straight Fork @ RM 2.0	051301040105
TN0020753	Huntsville STP	4952	Sewerage System	Minor	New River @ RM 14.8	051301040106
TN0060186	Helenwood STP	4952	Sewerage System	Minor	Phillips Creek @ RM 4.1	051301040108
TN0030198	Robbins Elementary School	4952	Sewerage System	Minor	UT @ RM 0.8 to Black Creek @ RM 4.5	051301040205
TN0061603	Bandy Creek Campground	4952	Sewerage System	Minor	UT @ RM 0.2 to Bandy Creek @ RM 3.3	051301040401
TN0025712	HBD Industries	3052	Rubber and Plastic Hoses and Belts	Minor	Litton Fork Pine Creek @ RM 0.1	051301040402
TN0064424	Oneida STP	4952	Sewerage System	Minor	Pine Creek @ RM 7.2	051301040402

Table A4-5. NPDES Permittees in the South Fork Cumberland River Watershed. SIC, Standard Industrial Classification; MADI, Major Discharge Indicator; UT, Unnamed Tributary.

FACILITYNUMBER	PERMITEE	COUNTY	LIVESTOCK	WATERBODY	HUC-12
TNA000067	Dennis Hedgecoth	Fentress	Poultry	Big Creek	051301040202
TNA000066	Triple C Farms	Fentress	Poultry	Barger Branch	051301040204

Table A4-6. CAFO Sites in the South Fork Cumberland River Watershed.

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-12
TN0071439	Jorae Coal Co. (Mine #1)	1221	Coal Mining, Bituminous, Surface	Indian Fork	051301040107
TN0072834	National Coal Corporation (Mine #2)	1221	Coal Mining, Bituminous, Surface	New River, Ursery Branch, Double Camp Creek	051301040101
TN0063118	Premium Coal Company (Area #16)	1221	Coal Mining, Bituminous, Surface	Stony Fork	051301040102
TN0071307	Premium Coal Company (Area #18)	1221	Coal Mining, Bituminous, Surface	Ligas Fork, Cow Creek, Mud Suck Creek, Stony Flat Creek	051301040101
TN0046647	S&H Mining (Deep Mine #2)	1222	Coal Mining, Bituminous, Underground	Stony Fork Creek	051301040102
TN0052531	S&H Mining (Deep Mine #8)	1222	Coal Mining, Bituminous, Underground	Stony Fort Creek	051301040102
TN0053546	S&H Mining (Deep Mine #9)	1222	Coal Mining, Bituminous, Underground	Flat Creek	051301040101
TN0072168	S&H Mining (Deep Mine #11)	1222	Coal Mining, Bituminous, Underground	Stony Fork	051301040102
TN0072419	S&H Mining (Mine #12)	1222	Coal Mining, Bituminous, Underground	Stoney Fork	051301040102
TN0043222	Tennessee Mining (Baldwin Tipple)	1221	Bituminous Coal Mining Tipple and Loading	New River	051301040101
TN0048941	Tennessee Mining (Reclaimed Area #8)	1221	Bituminous Coal Mining Tipple and Loading	Mill Creek	051301040103
TN0049778	Tennessee Mining (Whitehead Mtn Deep Mine)#1	1222	Coal Mining, Bituminous, Underground	Shack Creek	051301040103
TN0049964	Tennessee Mining (Gum Br. Slurry Impoundment)	1221	Prep Plants, Bituminous Coal or Lignite	New River	051301040101
TN0050211	Tennessee Mining (Area # 15)	1221	Coal Mining, Bituminous, Surface	Shack Creek	051301040103
TN0050229	Tennessee Mining (Sandy Gap Preparation Plant)	1221	Prep Plants, Bituminous Coal or Lignite	Mill Creek	051301040103
TN0052795	Tennessee Mining (Whitehead Mountain Deep Mine #3 and #4)	1222	Coal Mining, Bituminous, Underground	Shark Creek	051301040103
TN0052965	Tennessee Mining (Deep Mine #1-Lower Fork)	1222	Coal Mining, Bituminous, Underground	Cage Creek	051301040101
TN0053651	Tennessee Mining (Brimstone and Sterling Tipples)	1221	Bituminous Coal Mining Tipple and Loading	Hutson Branch, Chimney Hollow, Brimstone Creek	051301040107
TN0054526	Tennessee Mining Whitehead Mtn Refuse #2	1221	Prep Plants, Bituminous Coal or Lignite	Mill Creek, Shack Creek	051301040107
TN0071226	Tennessee Mining (Windrock Deep Mine #2)	1222	Coal Mining, Bituminous, Underground	Wolfen Branch, Mill Creek	051301040101
TN0071510	Tennessee Mining (Fork Mountain Mine #2)	1221	Coal Mining, Bituminous, Surface	Indian Creek, UT to New River	051301040101

Table A4-7a

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-12
TN0071757	Tennessee Mining (Patterson Mountain Area #3)	1221	Coal Mining, Bituminous, Surface	UT tom Double Camp Creek, Laurel Fork	051301040101
TN0043800	U.S. Coal, Inc. (Washer/Tipple #1)	1221	Washeries, Bituminous Coal or Lignite	New River	051301040104
TN0062961	U.S. Coal, Inc. (Jordan Ridge Refuse Area)	1221	Prep Plants, Bituminous Coal or Lignite	Cross Creek, UT to New River	051301040102
TN0066109	U.S. Coal, Incorporated (Deep Mine #4)	1222	Coal Mining, Bituminous, Underground	UT to Prong of Nicks Creek	051301040102
TN0070891	U.S. Coal, Incorporated (Deep Mine #6)	1222	Coal Mining, Bituminous, Underground	UT to West Prong of Nicks Creek	051301040102
TN0071803	U.S. Coal, Incorporated (Deep Mine #8)	1222	Coal Mining, Bituminous, Underground	UT to Smoky Creek	051301040103
TN0072729	U.S. Coal, Incorporated (Deep Mine #9)	1222	Coal Mining, Bituminous, Underground	Green Branch	051301040103
TN0052752	Blevins Ditching and Excavation Company (Area #3)	1221	Coal Mining, Bituminous, Surface	Ramsey Branch	051301040202
TN0063398	East Fork (Area #1)	1221	Coal Mining, Bituminous, Surface	Fern Camp Creek	051301040201
TN0065706	Plateau Sand Company (Banner Quarry)	1442	Construction Sand Mining	North Prong Clear Fork River	051301040201
TN0063452	Tennessee Mining, Incorporated (Tenchtown #4)	1221	Coal Mining, Bituminous, Surface	Carney Hollow, Crooked Creek	051301040204

Table A4-7b.

Tables A4-7a-b. Active Permitted Mining Sites in the South Fork Cumberland River Watershed. SIC, Standard Industrial Classification; UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	WATERBODY	HUC-12
TNG110232	West Ready Mix, Inc.	Sulphur Creek	051301040108
TNG110282	IMI Tennessee, Inc.	UT to Crooked Creek	051301040204

Table A4-8. Ready Mix Concrete Plants in the South Fork Cumberland River Watershed. UT, Unnamed Tributary.

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-12
NRS01.120	Anderson		Cage Creek	051301040101
NRS03.092	Scott	Bridge Repair	Buffalo River	051301040105
NRS00.240	Scott	Water Withdrawal	UT to North Fork Pine Creek	051301040402
NRS03.215	Scott	Wetland Impact	Bear Creek	051301040405

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

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-12
TNR050781	Burress Auto Parts	M	UT to South Fork Cumberland River	1	051301040108
TNR051114	West Ready Mix, Incorporated	E	Sulphur Creek	1.7	051301040108
TNR053665	Scott County Municipal Airport	S	Pine Creek, Greasy Creek, Reed Branch	306	051301040108
TNR054426	Cumberland Wood Products	A	UT to Phillips Creek	12	051301040108
TNR056329	CHL Microspheres, Inc.	J	Phillips Creek	1	051301040108
TNR053952	Fentress County Quarry	J	UT to Rockcastle Creek	30	051301040204
TNR054452	Gernt Lumber Company	A	Long Branch	2	051301040204
TNR056514	Plateau Wood Products	A	UT to Crooked Creek	10	051301040204
TNR056519	Voiles Pine and Hemlock	A	UT to Crooked Creek	2.43	051301040204
TNR053007	Hartco Flooring Company	A, P	Pine Creek	10	051301040402
TNR053009	Hartco Flooring Company	A, P	Pine Creek	20	051301040402
TNR054459	Denim Processing, Incorporated	V	Pine Creek	1.5	051301040402
TNR054493	Miller Concrete Products	E	Pine Creek	3	051301040402
TNR055077	Oneida Railyard	P	Easement to Pine Creek	4	051301040402
TNR052070	Jim Barna Log Homes	A	Bear Creek	35	051301040403
TNR053924	Roberta Sanitary Land Fill	L, P	East Branch Bear Creek	800	051301040403
TNR051815	American bag Corporation	V	UT to Punch Creek	1.3	051301040407
TNR055049	Tallent Lumber Company	A	Lynn Branch to Mill Creek	5	051301040501

Table A4-10. Active Permitted TMSP Facilities in the South Fork Cumberland River Watershed. Area, acres of property associated with industrial activity; UT, Unnamed Tributary. 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.