

**APPENDIX IV**

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0101	0102	0103	0104	0105
Bare Rock/Sand/Clay	1			56	2
Deciduous Forest	21,811	10,647	8,384	16,783	10,492
Developed Open Space	3,231	2,501	1,817	1,812	2,180
Emergent Herbaceous Wetlands	45	227	114	36	103
Evergreen Forest	2,287	698	1,063	1,347	750
Grassland/Herbaceous	729	209	209	961	366
High Intensity Development	92	46	8	2	17
Low Intensity Development	467	244	33	63	132
Medium Intensity Development	171	117	9	3	46
Mixed Forest	12			1	
Open Water	120	191	123	141	97
Pasture/Hay	3,732	5,440	4,696	3,249	3,679
Row Crops	11,664	9,113	12,907	10,742	14,888
Shrub/Scrub	444	141	172	169	158
Woody Wetlands	2,972	3,859	4000	864	5,923
<b>Total</b>	<b>47,778</b>	<b>33,433</b>	<b>33,535</b>	<b>36,229</b>	<b>38,833</b>

*Table A4-1a.*

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0106	0201	0202	0301	0302
Bare Rock/Sand/Clay				4	
Deciduous Forest	3,454	11,086	17,745	12,123	11,671
Developed Open Space	1,607	1,516	1,211	1,255	1,788
Emergent Herbaceous Wetlands	133	104	9	23	27
Evergreen Forest	97	823	1,348	279	505
Grassland/Herbaceous	18	311	847	441	248
High Intensity Development			3	12	15
Low Intensity Development	32	107	27	108	61
Medium Intensity Development	1	8	4	24	30
Mixed Forest		3			
Open Water	172	64	74	304	230
Pasture/Hay	739	2,401	2,700	4,127	3,903
Row Crops	24,350	9,241	8,451	9,156	12,654
Shrub/Scrub	94	148	218	86	105
Woody Wetlands	9,243	1,973	644	691	2,731
<b>Total</b>	<b>39,940</b>	<b>27,785</b>	<b>33,281</b>	<b>28,633</b>	<b>33,968</b>

*Table A4-1b.*

**DRAFT**

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0303	0304	0305	0401	0402
Bare Rock/Sand/Clay	10				29
Deciduous Forest	8,226	8,191	2,812	11,207	9,013
Developed Open Space	1,710	858	1,532	2077	1,983
Emergent Herbaceous Wetlands	128	6	88	14	97
Evergreen Forest	612	995	151	646	737
Grassland/Herbaceous	181	422	3	457	155
High Intensity Development	50	1	18	22	16
Low Intensity Development	139	8	116	141	45
Medium Intensity Development	64	4	43	28	25
Mixed Forest	1				
Open Water	202	297	59	176	151
Pasture/Hay	2,503	1,543	444	5,181	2,212
Row Crops	12,513	5,007	11,477	10,665	13,288
Shrub/Scrub	167	130	74	234	113
Woody Wetlands	4,950	666	4,933	759	3,919
<b>Total</b>	<b>31,456</b>	<b>18128</b>	<b>21,750</b>	<b>31,607</b>	<b>31,783</b>

*Table A4-1c.*

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0501	0502	0503	0601	0602
Bare Rock/Sand/Clay				27	4
Deciduous Forest	5,301	4,248	2,221	23,528	15,149
Developed Open Space	991	2,291	2,995	1,064	2,458
Emergent Herbaceous Wetlands		53	35	5	26
Evergreen Forest	657	378	118	1,207	1,177
Grassland/Herbaceous	392	43	5	1,190	543
High Intensity Development	15	16	128		42
Low Intensity Development	134	140	704	12	103
Medium Intensity Development	41	20	219	1	56
Mixed Forest		1		2	2
Open Water	189	157	42	184	85
Pasture/Hay	2,674	3,043	1,303	1,018	4,055
Row Crops	2,406	21,936	17,071	4,236	13,537
Shrub/Scrub	62	105	35	181	225
Woody Wetlands	235	2,589	1,532	199	1,150
<b>Total</b>	<b>13,097</b>	<b>35,020</b>	<b>26,408</b>	<b>32,854</b>	<b>38,612</b>

*Table A4-1d.*

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)			
	0603	0604	0605	0606
Bare Rock/Sand/Clay		2		
Deciduous Forest	8,167	6,230	3,830	1,300
Developed Open Space	2,053	3,247	1,332	2,361
Emergent Herbaceous Wetlands	65	1	151	46
Evergreen Forest	473	473	164	31
Grassland/Herbaceous	227	103	30	2
High Intensity Development	28	154	2	39
Low Intensity Development	133	487	36	123
Medium Intensity Development	27	313	2	69
Mixed Forest				
Open Water	416	20	33	54
Pasture/Hay	4,420	2,531	2,221	240
Row Crops	15,318	3,495	14,752	24,379
Shrub/Scrub	167	75	112	34
Woody Wetlands	1,853	113	2,465	2,426
<b>Total</b>	<b>33,347</b>	<b>17,244</b>	<b>25,130</b>	<b>31,104</b>

**Table A4-1e.**

**Tables A4-1a-e. Land Use Distribution in the South Fork Obion River Watershed by HUC-12.** Data are from 2001 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
<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.** Soils are grouped into four hydrologic soil groups that describe a soil's permeability and, therefore, its susceptibility to runoff.

STATION	LOCATION	HUC 12	AREA (SQ MILES)	LOW FLOW (CFS)		
				1Q10	7Q10	3Q20
07024300	Beaver Creek	080102030101	55.50	21.0030	21.6510	20.1110
07024500	South Fork Obion River	080102030105	383.00	76.6970	79.5250	73.3350
07024900	Rutherford Fork Obion River	080102030602				
07025000	Rutherford Fork Obion River	080102030605	201.00		15.6000	13.5000

**Table A4-3. United States Geological Survey Continuous Record Gaging Stations in the South Fork Obion River Watershed.** Additional information may be found at: <http://water.usgs.gov/osw/streamstats/>

**DRAFT**

AGENCY	STATION	LOCATION	HUC 12
TDEC	BEAVE004.4CR	Beaver Creek @ RM 4.4	080102030101
TDEC	BEAVE004.5CR	Beaver Creek @ RM 4.5	080102030101
TDEC	BEAVE005.5CR	Beaver Creek @ RM 5.5	080102030101
TDEC	BEAVE006.1CR	Beaver Creek @ RM 6.1	080102030101
TDEC	BEAVE007.0CR	Beaver Creek @ RM 7.0	080102030101
TDEC	2648	South Fork Obion River @ RM 25.0	080102030102
TDEC	CLEAR001.0CR	Clear Creek @ RM 1.0	080102030102
TDEC	CLEAR003.5CR	Clear Creek @ RM 3.5	080102030102
USCOE	G	South Fork Obion River	080102030102
TDEC	SFOBI029.0CR	South Fork Obion River @ RM 29.0	080102030102
TDEC	SPRIN001.3CR	Spring Creek @ RM 1.3	080102030102
TDEC	DEMOS001.0CR	Demos Creek @ RM 1.0	080102030103
TDEC	2649	South Fork Obion River @ RM 9.7	080102030105
TDEC	BEAR002.0WY	Bear Creek @ RM 2.0	080102030105
TDEC	BEAR1T0.5WY	UT to Bear Creek	080102030105
TDEC	CANE000.4WY	Cane Branch @ 0.4	080102030105
TDEC	COTTN000.8WY	Cottrell Branch @ RM 0.8	080102030105
TDEC	DOLAN001.6GI	Dolan Creek @ RM 1.6	080102030105
TDEC	DRY000.7GI	Dry Creek @ RM 0.7	080102030105
TDEC	2650	South Fork Obion River @ RM 5.7	080102030106
TDEC	2655	South Fork Obion River @ RM 6.0	080102030106
TDEC	SFOBI017.4WY	South Fork Obion River @ RM 17.4	080102030106
TDEC	CROOK002.6CR	Crooked Creek @ RM 2.6	080102030201
TDEC	CROOK005.6CR	Crooked Creek @ RM 5.6	080102030201
TDEC	CROOK009.0CR	Crooked Creek @ RM 9.0	080102030201
TDEC	ARNOL001.4WY	Arnold Branch @ R M 1.4	080102030302
TDEC	MFOBI026.3HN	Middle Fork Obion River @ RM 26.3	080102030302
TDEC	MIDFKOBION22.5	Middle Fork Obion River @ RM 22.5	080102030302
TDEC	1855	Middle Fork Obion River @ RM 14.6	080102030303
TDEC	CANE001.0WY	Cane Creek @ RM 1.0	080102030303
TDEC	DRY000.4WY	Dry Creek @ RM 0.4	080102030303
TDEC	THOMP005.9WY	Thompson Creek @ RM 5.9	080102030304
TDEC	1856	Middle Fork Obion River @ RM 7.5	080102030305
TDEC	BUCKN000.6WY	Bucknor Ditch	080102030305
TDEC	MIDFKOBION04.5	Middle Fork Obion River @ RM 4.5	080102030305
TDEC	BOND1T0.1WY	UT to Bond Creek	080102030401
EPA National Aquatic Resource Survey	OWW04440-0718	UT to Spring Creek	080102030402
USCOE	H	Middle Fork Obion River	080102030502
EPA National Aquatic Resource Survey	OWW04440-0590	UT to Mud Creek	080102030502
TDEC	CANE001.5OB	Cane Creek @ RM 1.5	080102030503
TDEC	CANE008.5WY	Cane Creek @ RM 8.5	080102030503
TDEC	2371	Rutherford Fork Obion River @ RM 29.9	080102030602

**Table A4-4a.**

**DRAFT**

AGENCY	STATION	LOCATION	HUC 12
USCOE	F	Rutherford Fork Obion River	080102030602
TDEC	BEAR001.2GI	Bear Creek @ RM 1.2	080102030603
TDEC	2372	Rutherford Fork Obion River @ RM 17.9	080102030605
TDEC	RUTHFKOBION05.0	Rutherford Fork Obion River @ RM 5.0	080102030606

**Table A4-4b.**

**Table A4-4a-b. STORET Water Quality Monitoring Stations in the South Fork Obion River Watershed.** TDEC, Tennessee Department of Environment and Conservation; USCOE, United States Army Corps of Engineers; USEPA, United States Environmental Protection Agency.

PERMIT NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-12
NR0602.046	Carroll	Utility Line Crossings	Beaver Creek & UTs	080102030101
NRS04.377	Carroll	Debris Removal	Beaver Creek	080102030101
NR0602.111	Carroll	Culvert Replacement	UT to South Fork Obion River	080102030102
NRS03.100	Carroll	Road Crossings	Spring Branch	080102030102
NRS06.249	Carroll	Wetland Alterations	Wetlands	080102030102
NRS06.249B	Carroll	Stream Relocation and Encapsulation	UT to South Fork Obion River	080102030102
NRS06.249C	Carroll	Stream Relocation	UT to South Fork Obion	080102030102
NRS06.249D	Carroll	Stream Relocation and Encapsulation	UT to South Fork Obion River	080102030102
NRS06.249E	Carroll	Stream Encapsulation	UT to South Fork Obion River	080102030102
NRS03.331	Carroll	Bridge and Approaches	Reedy Creek	080102030104
NRS03.331B	Carroll	Bridge and Approaches	Reedy Creek	080102030104
NRS04.369	Carroll	Bridge and Approaches	Rutherford Obion River	080102030104
NRS04.369B	Carroll	Bridge and Approaches	Rutherford Obion River	080102030104
NRS04.369C	Carroll	Bridge and Approaches	Rutherford Obion River	080102030104
NRS04.369D	Carroll	Bridge and Approaches	Rutherford Obion River	080102030104
NRS07.036	Carroll	Lake Impoundment	Reedy Creek	080102030104
NR0502.048	Weakley	Gas Pipeline Crossing	UT to South Fork Obion River	080102030105
NRS02.233	Obion	Ditch Construction and Maintenance	Obion River	080102030106
NRS03.052	Obion	Bridge Replacement	Overflow Near the South Fork Obion River	080102030106
NRS03.052B	Obion	Bridge Replacement	Isolated Wetland	080102030106
NRS06.165	Gibson	Construction and Removal of Minor Road Crossings	Lick Creek	080102030106
NR0602.095	Carroll	Bank Stabilization	UT to Crooked Creek	080102030201
NRS05.221	Carroll	Stream Restoration and Habitat Enhancement	Beaver Creek	080102030201
NR0502.070	Henry	Channel Reroute	Neil Ditch	080102030202
NR0602.071	Henry	Culvert Installation	Guins Creek	080102030202
NR0602.021	Weakley	Bank Stabilization	Dry Creek	080102030303

**Table A4-5a.**

PERMIT NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-12
NRS06.240	Weakley	Bridge Replacement	Pritchett Branch	080102030303
NRS03.187	Henry	Bridge and Approaches	Spring Creek	080102030401
NRS04.391	Weakley	Bridge and Approaches	Unnamed Branch to Spring Creek	080102030401
NR0702.025	Weakley	Utility Line Crossings	UT to Spring Creek, & Spring Creek	080102030402
NRS03.058	Weakley	Bridge and Approaches	UT to Spring Creek	080102030402
NRS03.116	Weakley	Bridge and Approaches	Overflow at Log Mile 0.95	080102030402
NRS06.241	Weakley	Bridge Replacement	UT to Spring Creek	080102030402
NRS02.227	Weakley	Bridges and Approaches	Mud Creek	080102030501
NRS02.228	Weakley	Bridges and Approaches	Chestnut Branch	080102030501
NRS03.221	Weakley	Bridge and Approaches	Mud Creek	080102030501
NRS03.221B	Weakley	SR 217 Bridge and Approaches	Mud Creek	080102030501
NR0602.077	Weakley	Bridge Replacement	UT to Mud Creek	080102030502
NRS04.392	Weakley	Bridge and Approaches	Unnamed Branch to Mud Creek	080102030502
NRS06.173	Weakley	Bridge Replacement	UT to Mud Creek	080102030502
NRS06.173b	Weakley	Wetland Fill and Bridge Replacement	UT to Mud Creek	080102030502
NRS02.226	Weakley	Bridges and Approaches	Cane Creek	080102030503
NR0602.074	Carroll	Culvert Installation	UT to Indian Creek lake	080102030601
NR0602.075	Carroll	Culvert Installation	UT to Indian Creek Lake	080102030601
NR0602.081	Carroll	Construction and Removal of Minor Road Crossings	UT to Indian Creek lake	080102030601
NR0602.121	Carroll	Bridge and Approaches	Cane Creek	080102030601
NR0702.009	Carroll	Construction and Removal of Minor road Crossings	Indian Creek	080102030601
NR0702.019	Carroll	Minor Alterations to Wetlands	Wetlands	080102030601
NR0502.061	Carroll	Road Grading	Rutherford Fork Obion River & Wetlands	080102030602
NR0602.030	Madison	Culvert Repair	UT to Wolf Creek	080102030602
NR0602.057	Gibson	Culvert Replacement	UT to Rutherford Fork Obion River	080102030602
NR0602.068	Carroll	Construction and Removal of Minor Road Crossings	UT to Rutherford Fork Obion River	080102030602
NR0702.011	Gibson	Utility Line Crossings	Rutherford Fork Obion River & Wolf Creek	080102030602
NRS06.170	Carroll	Construction and Removal of Minor Road Crossings	Rutherford Fork Obion River Overflow	080102030602
NR0502.047	Gibson	Gas Pipeline Crossing	UT to Rutherford Fork Obion River	080102030603
NR0602.010	Gibson	Construction and Removal of Minor Road Crossings	UT to Wolf Creek	080102030604
NR0602.017	Gibson	Road Repair	UT to Wolf Creek	080102030604
NR0602.061	Gibson	Alterations to Wet Weather Conveyances	UT to Wolf Creek	080102030604
NRS03.151	Carroll	Road Crossing	UT to Wolf Creek	080102030604
NR0602.123	Gibson	Utility Line Crossings	Rutherford Fork Obion River	080102030605

**Table A4-5b.**

**DRAFT**

PERMIT NUMBER	COUTY	DESCRIPTION	WATERBODY	HUC-12
NRS04.366	Gibson	Bridge and Approaches	Rutherford Fork Obion River	080102030605
NRS04.366B	Gibson	Bridge and Approaches	Rutherford Fork Obion River	080102030605
NRS06.259	Gibson	Construction and Removal of Minor Road Crossings	Rutherford Fork Obion River	080102030605
NRS03.261	Obion	Bridge and Approaches	Rutherford Fork Obion River	080102030606

*Table A4-5c.*

*Tables 4-A5a-c. ARAPs (Aquatic Resource Alteration Permit) issued June 2002 through June 2007 in the South Fork Obion River Watershed. UT, Unnamed Tributary.*

PERMIT NUMBER	PERMITTEE	COUNTY	LIVESTOCK	WATERBODY	HUC-12
TN0074934	RB Finishing	Gibson	Swine	Locust Grove Creek & South Fork Obion River	080102030105
TN0074888	Gilkey Farm - Tosh	Henry	Swine	Neil Ditch to Guins Creek	080102030202
TNA000208	Burcham Hog Farm	Carroll	Swine	UT to Guins Creek	080102030202
TN0074896	Yoder Finishers	Henry	Swine	Old Town Creek	080102030302
TN0074942	R. D. Robinson Farms	Weakley	Swine	Wright Branch to Cypress Creek	080102030303
TNA000093	Bryan Campbell Farm	Weakley	Poultry	Steel Branch	080102030303
TNA000094	Brandy Farm	Weakley	Poultry	Steel Branch	080102030303
TNA000096	Kenneth and Regina Williams Poultry Farm	Weakley	Poultry	Steel Branch	080102030303
TNA000097	Cheechako Farms	Weakley	Poultry	UT to Dry Creek	080102030304
TNA000210	Tosh McKenzie	Henry	Swine	UT to Caledonia Creek	080102030401
TNA000164	A & E Livestock	Weakley	Swine	Mud Creek	080102030501
TN0078484	Sleepy Hollow Farms	Weakley	Poultry	Mud Creek	080102030502
TNA000089	Sleepy Hollow Farms	Weakley	Poultry	UT to Mud Creek	080102030502
TNA000158	Doug Lowrance Hog Farm	Gibson	Swine	UT to Rutherford Fork Obion River	080102030606

*Table A4-6. CAFO (Concentrated Animal Feed Operation) Permittees in the South Fork Obion River Watershed. UT, Unnamed Tributary.*



PERMIT NUMBER	COUNTY	PERMITTEE: DESCRIPTION	AREA	WATERBODY	HUC-12
TNR120390	Carroll	Huntingdon Industrial Development: Grading	13.00	Not Identified	080102030101
TNR120563	Carroll	Dr. Mark Holifield: Dental Office and Parking Area	1.15	Beaver Creek	080102030101
TNR190530	Carroll	TDOT: SR 22	3.14	UT of Beaver Creek	080102030101
TNR190311	Carroll	TDOT: East Forrest Avenue Widening	1.13	Spring Creek	080102030102
TNR190708	Carroll	TDOT: SR 76	63.91	South Fork Obion River	080102030102
TNR120526	Carroll	Farmers & Merchants Bank: Demolition and New Construction	1.75	DeMoss Branch to DeMoss Creek to South Fork Obion River	080102030103
TNR190356	Carroll	TDOT: SR 77	8.72	UT to Reedy Creek	080102030104
TNR120677	Carroll	Dr. Paul Evans: Medical Office and Parking Area	2.40	Beaver Creek & Brier Creek	080102030201
TNR190219	Obion	TDOT: SR 89	3.40	South Fork Obion River Overflow	080102030201
TNR120750	Carroll	Jerry Burcham: Burcham Hog Farm	1.00	Guins Creek to Crooked Creek to South Fork Obion River	080102030202
TNR120800	Henry	Tosh Farms: Grain Storage Building	4.00	Neil Ditch to Guins Creek	080102030202
TNR120815	Henry	Jimmy Tosh: Pit Barns	1.75	Spring Creek to Middle Fork Obion River	080102030202
TNR120146	Henry	Regency Development Associates: Grove Park Apartments	8.90	Not Identified	080102030301
TNR120470	Henry	Town of Henry: STEP Sewer System	5.70	Not Identified	080102030301
TNR120774	Henry	Michael Turner: Turner's Landscaping	1.40	Not Identified	080102030301
TNR120775	Henry	Terry Crouch: Single Family Residence	6.00	Middle Fork Obion River	080102030301
TNR120374	Henry	Louis Kauffman: Kauffman Processing	5.67	Not Identified	080102030302
TNR120476	Weakley	Pedigo-Weakly Properties, LP: Tennessee Department of Children's Services	2.00	Not Identified	080102030303
TNR120477	Weakley	Pedigo-Weakly Properties, LP: Tennessee Department of Children's Services	2.00	Not Identified	080102030303
TNR120604	Weakley	City of Martin: Martin Industrial Site and Parking Area	27.50	Cane Creek	080102030303

**Table A4-7a.**

PERMIT NUMBER	COUNTY	PERMITTEE: DESCRIPTION	AREA	WATERBODY	HUC-12
TNR120622	Weakley	Keith Fryman: FedEx Freight	11.75	Coley Branch	080102030303
TNR190696	Weakley	TDOT: Summers Road	1.32	UT to Middle Fork Obion River	080102030303
TNR120629	Henry	Jimmie Tosh: Tosh Farms	1.25	UT to UT to Caledonia Creek	080102030401
TNR120680	Carroll	City of McKenzie: College Street Sidewalk Project	1.50	Boaz Creek	080102030401
TNR120794	Weakley	Mars Pet Care: Truck Staging Area	2.00	Spring Creek Branch	080102030401
TNR190306	Henry	TDOT: SR 140	3.70	Spring Creek	080102030401
TNR120456	Weakley	Weakley County Highway Department: Roberts Road Right Of Way	9.60	Not Identified	080102030402
TNR190264	Weakley	TDOT: Liberty Dean Grooms Road	1.68	UT to Spring Creek	080102030402
TNR190456	Weakley	TDOT: SR 124	2.06	Manus Creek	080102030402
TNR190692	Weakley	TDOT: Brawners Levee Road	1.98	UT to Spring Creek	080102030402
TNR120617	Weakley	Redd Realty Services: Dresden CVS	2.46	Deep Branch	080102030501
TNR190247	Weakley	TDOT: SR 217	1.96	UT to Mud Creek & Mud Creek	080102030501
TNR190695	Weakley	TDOT: Parkers Levee Road	1.55	UT to Mud Creek	080102030502
TNR120494	Weakley	James Tuck and Jesse Wade: Woodmont Residential Subdivision	7.32	UT to Cane Creek	080102030503
TNR120559	Weakley	Southside Baptist Church: Building and Parking Area	6.84	UT to Cane Creek	080102030503
TNR120598	Weakley	The University of Tennessee: McCord Hall Demolition and Rebuild	7.20	UT to Cane Creek to Mud Creek & South Fork Obion River	080102030503
TNR120610	Weakley	Murphy Oil USA, Inc.: Fuel Station	0.86	Cypress Creek	080102030503
TNR120633	Weakley	Room Masters, LLC: Hampton Inn Hotel and Parking Area	2.50	Cane Creek	080102030503
TNR120717	Weakley	Arnie Hicks: Jasper Hill Subdivision	10.00	UT to Cane Creek	080102030503
TNR120770	Weakley	Phil Dane: Hidden Hills Subdivision	12.57	Cane Creek	080102030503
TNR120665	Carroll	Tennessee Land Partners, LLC: Indian Creek Lake Resort	99.00	Indian Creek & Indian Creek Watershed Lake	080102030601
TNR190469	Carroll	TDOT: Water Tower Road	2.08	Rutherford Fork Obion River	080102030601

Table A4-7b.

PERMIT NUMBER	COUNTY	PERMITTEE: DESCRIPTION	AREA	WATERBODY	HUC-12
TNR120398	Gibson	U. S. Army: Milan Army Ammunition Plant	4.00	Not Identified	080102030602
TNR120715	Carroll	Ford Construction Company: Borrow Pit	1.00	UT to Sandy Branch	080102030602
TNR120744	Carroll	Tennessee Army National Guard: Milan Asphalt Plant Operations Training Facility	3.00	Halls Branch	080102030602
TNR190648	Carroll	TDOT: SR 220	9.59	Rutherford Fork Obion River	080102030602
TNR120118	Gibson	Milan Special School District: Milan Middle School	25.00	Not Identified	080102030603
TNR120316	Gibson	Bennett Knott	7.00	Not Identified	080102030603
TNR120506	Gibson	Clark Family Holdings, LLC: Creekside Subdivision	14.00	UT to Rutherford Fork Obion River	080102030603
TNR120508	Gibson	Dement Construction Company: Borrow Pit	0.50	Cressville Creek	080102030603
TNR120232	Gibson	City of Milan: Utility Line Relocations	11.60	Not Identified	080102030604
TNR120499	Gibson	City of Milan: Sewer Line Extensions	4.12	UT to Clear Creek & UT to North Fork Forked Deer River	080102030604
TNR120515	Carroll	Milan Army Ammunition Plant: Housing Demolition	25.00	Johns Creek, UT to Rutherford Fork Obion River	080102030604
TNR120521	Gibson	Murphy Oil USA, Inc.: Fuel Station	0.67	Clear Creek to Wolf Creek to Rutherford Fork Obion River.	080102030604
TNR120600	Gibson	Marketplace at Milan, LLC: Commercial Building	6.08	UT to Wolf Creek & Clear Creek to Wolf Creek	080102030604
TNR120635	Gibson	Lowe's Home Centers, Inc.: Building and Parking Area	16.50	UT to Clear Creek	080102030604
TNR190483	Gibson	TDOT: SR 425	2.30	Wolf Creek to Rutherford Fork Obion River	080102030604
TNR190465	Gibson	TDOT: Old Trenton-Dresden Road	2.38	Rutherford Fork Obion River	080102030605
TNR120177	Obion	Richard Davis: Land Leveling	9.90	Not Identified	080102030606
TNR190371	Obion	TDOT: SR 89	4.66	Rutherford Fork Obion River	080102030606

**Table A4-7c.**

**Tables A4-7a-c. CGPs (Construction General Permit) issued June 2002 through June 2007 in the South Fork Obion River Watershed.** Area, acres of property associated with construction activity; UT, Unnamed Tributary.

**DRAFT**

PERMIT NUMBER	PERMITTEE	SIC	SIC NAME	WATERBODY	HUC-12
TN0045497	Unimin Corporation (Mine #3)	1455	Kaolin and Ball Clay	Beaver Creek	080102030101
TN0071358	Kentucky-Tennessee Clay Company (Mine #22- Oglebay-Norton)	1455	Kaolin and Ball Clay	Reedy Creek & Roan Creek	080102030104
TN0046272	Kentucky-Tennessee Clay Company (Mine #12-Lowery)	1455	Kaolin and Ball Clay	South Fork Obion River	080102030105
TN0072851	Unimin Corporation (Mine #12-Gleason Facility)	1455	Kaolin and Ball Clay	UT to Bond Branch	080102030201
TN0076155	H. C. Spinks Clay Company, Inc. (Mine #31-Brown)	1455	Kaolin and Ball Clay	UT to Bear Creek	080102030201
TN0030520	H. C. Spinks Clay Company, Inc. (Mine #17-Young)	1455	Kaolin and Ball Clay	UT to Middle Fork Obion River	080102030302
TN0030490	H. C. Spinks Clay Company, Inc. (Mine #13-Bynum)	1455	Kaolin and Ball Clay	UT to Middle Fork Obion River	080102030303
TN0045489	Unimin Corporation (Mine #2)	1455	Kaolin and Ball Clay	UT to Middle Fork Obion River	080102030303
TN0045527	Unimin Corporation (Mine #10)	1455	Kaolin and Ball Clay	Unnamed Drainage way to Cane Creek	080102030303
TN0045845	Old Hickory Clay Company (Mine #1- Dunn)	1455	Kaolin and Ball Clay	Middle Fork Obion River	080102030303
TN0046329	Kentucky-Tennessee Clay Company (Mine #17-Stallcup)	1455	Kaolin and Ball Clay	Middle Fork Obion River	080102030303
TN0063029	Gleason Brick, Division Of Boral Bricks, Inc. (Mine #3-Rich)	1459	Clay, Ceramic, & Refractory Minerals, NEC	UT to Middle Fork Obion River	080102030303
TN0063037	Boral Bricks, Inc. (Mine #2-Collins)	1455	Kaolin and Ball Clay	UT to Middle Fork Obion River	080102030303
TN0071391	H. C. Spinks Clay Company, Inc. (Mine #26-Chappel)	1455	Kaolin and Ball Clay	UT to Middle Fork Obion River	080102030303
TN0030431	H. C. Spinks Clay Company, Inc. (Mine #7-Powers)	1455	Kaolin and Ball Clay	Capps Branch	080102030304
TN0071951	H. C. Spinks Clay Company, Inc. (Mine #28-Wilbanks)	1455	Kaolin and Ball Clay	UT to Capps Branch, Middle	080102030304
TN0072800	H. C. Spinks Clay Company, Inc. (Mine #30-Grable)	1455	Kaolin and Ball Clay	UT to Spring Creek	080102030401
TN0030503	H. C. Spinks Clay Company, Inc. (Mine #14-Parks)	1455	Kaolin and Ball Clay	UT to Cotton Creek	080102030402
TN0041581	Old Hickory Clay Company (Mine #2-McClain)	1455	Kaolin and Ball Clay	Spring Creek	080102030402
TN0045535	Unimin Corporation (Mine #11-Gleason Facility)	1455	Kaolin and Ball Clay	Spring Creek	080102030402
TN0045811	Old Hickory Clay Company (Volunteer Mine #1)	1455	Kaolin and Ball Clay	Cotton Creek	080102030402

**Table A4-8a.**

**DRAFT**

PERMIT NUMBER	PERMITTEE	SIC	SIC NAME	WATERBODY	HUC-12
TN0046264	Kentucky-Tennessee Clay Company (Mine #11-Jackson)	1455	Kaolin and Ball Clay	Cotton Creek	080102030402
TN0046311	Kentucky-Tennessee Clay Company (Mine #16-Bynum)	1455	Kaolin and Ball Clay	Spring Creek	080102030402
TN0047694	Kentucky-Tennessee Clay Company (Mine #18-Trentham)	1455	Kaolin and Ball Clay	Cotton Creek	080102030402
TN0054348	H. C. Spinks Clay Company, Inc. (Mine #21-Richmond)	1455	Kaolin and Ball Clay	UT to Spring Creek	080102030402
TN0062821	H. C. Spinks Clay Company, Inc. (Mine #22-Swaim)	1455	Kaolin and Ball Clay	UT to Cotton Creek	080102030402
TN0071102	H. C. Spinks Clay Company, Inc. (Mine #25-Roberts)	1455	Kaolin and Ball Clay	UT to Cotton Creek	080102030402
TN0072265	H. C. Spinks Clay Company, Inc. (Mine #29-Gearin)	1455	Kaolin and Ball Clay	UT to Spring Creek	080102030402
TN0045501	Unimin Corporation (Mine #7)	1455	Kaolin and Ball Clay	Unnamed Drainage way to Cane Creek	080102030601
TN0063541	H. C. Spinks Clay Company, Inc. (Mine #23-Perry)	1455	Kaolin and Ball Clay	UT to Cane Creek	080102030601
TN0072290	Kentucky-Tennessee Clay Company (Mine #23-Storey)	1455	Kaolin and Ball Clay	Cane Creek	080102030601

**Table A4-8b.**

**Tables A4-8a-b. Permitted Mining Facilities in the South Fork Obion River Watershed. SIC, Standard Industrial Code.**

PERMIT NUMBER	PERMITTEE	SIC	SIC NAME	MADI	WATERBODY	HUC-12
TN0003221	Norandal USA, Inc.	3353	Aluminum Sheet, Plate, and Foil	Minor	Northwood Branch @ RM 2.2, 2.4, & 2.6 to Beaver Creek @ RM 7.0	080102030101
TN0026166	Huntingdon- Hwy 22 Lagoon	4952	Sewerage Systems	Minor	Beaver Creek @ RM 4.2	080102030101
TN0026174	Huntingdon-Barnett Street Lagoon	4952	Sewerage Systems	Minor	Beaver Creek @ RM 6.8	080102030101
TN0064521	Associated Rubber Company	3069	Fabricated Rubber Products	Minor	Northwood Branch @ RM 2.4	080102030101
TN0020613	McKenzie STP	4952	Sewerage Systems	Major	UT @ RM 2.8 to Clear Creek @ RM 2.4	080102030102

**Table A4-9a.**

**DRAFT**

PERMIT NUMBER	PERMITTEE	SIC	SIC NAME	MADI	WATERBODY	HUC-12
TN0062201	Trezevant STP	4952	Sewerage Systems	Minor	Reedy Creek @ RM 4.4	080102030104
TN0062022	Bradford Lagoon	4952	Sewerage Systems	Minor	South Fork Obion River @ RM 9.7	080102030105
TN0074985	Replogle Enterprises, LLC	2421	Saw Mills, Planing Mills, General	Minor	UT @ RM 1.4 to UT @ RM 2.0 to Trainer Creek @ RM 3.0	080102030301
TN0062294	Gleason STP	4952	Sewerage Systems	Minor	Middle Fork Obion River @ RM 21.3	080102030302
TN0021717	Dresden- Printing Factory Lagoon	4952	Sewerage Systems	Minor	Middle Fork Obion River @ RM 18.3	080102030303
TN0046337	Kentucky-Tennessee Clay Company #1	1455	Kaolin and Ball Clay	Minor	UT @ RM 0.8 to Middle Fork Obion River @ RM 18.5	080102030303
TN0055794	Dresden High School	4952	Sewerage Systems	Minor	UT @ RM 0.4 to Atkinson Branch @ RM 1.4	080102030303
TN0062031	Sharon Lagoon	4952	Sewerage Systems	Minor	Middle Fork Obion River @ RM 6.5	080102030305
TN0062065	Greenfield Wastewater Lagoon	4952	Sewerage Systems	Minor	Middle Fork Obion River @ RM 7.3	080102030305
TN0062286	Dresden Lagoon	4952	Sewerage Systems	Minor	Middle Fork Obion River @ RM 14.6	080102030501
TN0058858	The University of Tennessee at Martin	8221	Colleges, Universities, and Professional Schools	Minor	UT to Cane Creek @ RM 10.8	080102030503
TN0062545	Martin STP	4952	Sewerage Systems	Major	UT @ RM 0.25 to Cane Creek @ RM 7.7	080102030503
TN0062375	Milan STP	4952	Sewerage Systems	Major	Rutherford Fork Obion River @ RM 29.2	080102030603
TN0073334	Allsteel Inc. - Milan	2522	Office Furniture, Except Wood	Minor	Clear Creek @ RM 2.5 to Wolf Creek @ RM 3.6	080102030604
TN0062227	Rutherford Lagoon	4952	Sewerage Systems	Minor	Rutherford Fork Obion River @ RM 9.8	080102030606
TN0062359	Kenton Lagoon	4952	Sewerage Systems	Minor	Rutherford Fork Obion River @ RM 4.5	080102030606

**Table A4-9b.**

**Tables A4-9a-b. Municipal and Industrial Permittees in South Fork Obion River Watershed.** SIC, Standard Industrial Code; MADI, Major Discharge Indicator; UT, Unnamed Tributary; WWC Wet Weather Conveyance.

**DRAFT**

PERMIT NUMBER	PERMITTEE	WATERBODY	HUC-12
TNG110008	Mid-Way Materials, Inc.	WWC to Beaver Creek	080102030101
TNG110010	Mid-Way Materials, Inc.	WWC to South Fork Obion River	080102030102
TNG110322	The Federal Materials Company, Inc.	Cane Creek	080102030503
TNG110084	Southern Concrete Products, Inc.	(Clear Creek) Wolf Creek	080102030604

**Table A4-10. RMCP (Ready Mix Concrete Plant) Permittees in the South Fork Obion River Watershed.** WWC, Wet Weather Conveyance.

PERMIT NUMBER	PERMITTEE	WATERBODY	SECTOR	AREA	HUC-12
TNR051781	Associated Rubber Company	Northwood Branch	Y	14.50	080102030101
TNR053882	Norandal USA, Inc.	Northwood Branch to Beaver Creek	F	95.00	080102030101
TNR054073	Behlen Manufacturing Company	Little Beaver Creek	AA	57.08	080102030101
TNR056007	22 Auto Salvage	UT to Big Sandy River	M	7.00	080102030101
TNR051883	Murray, Inc. - Jackson	UT to Crooked Creek	AB	40.30	080102030102
TNR053656	McKenzie Valve and Machining Company	Unnamed Ditch to Clark Creek to South Fork Obion River to Rock Slough to Mississippi River	AA	8.60	080102030102
TNR053164	Bradford Truck Service, Inc.	City Drainage Ditch	P	1.08	080102030105
TNR054303	Ulseth Machining/Manufacturing	Not Identified	AB	5.00	080102030105
TNR050422	Manar, Inc.	UT to Guins Creek	Y	18.50	080102030202
TNR053090	Atlantic Homes	Trainer Creek to Middle Fork Obion River	A	50.00	080102030202
TNR056637	Rolling Frito-Lay Sales, LP Henry Bin	UT to Guins Creek	P	0.20	080102030202
TNR050102	Replogle Enterprises - 002	Trainer Creek	A	96.65	080102030301
TNR052012	Coastal Lumber Company	UT to Trainer Creek	A	9.00	080102030301
TNR054516	Automated Equipment, Inc.	Middle Fork Obion River	AB	5.00	080102030301
TNR054560	Universal Coatings Corporation	Trainer Creek	AA	3.00	080102030301
TNR056237	Outlaw Auto Salvage	Middle Fork Obion River	M	7.50	080102030301
TNR056335	Cutting Specialist, Inc.	UT to Middle Fork Obion River	AA	0.75	080102030301
TNR050710	Ford Construction Company Dresden	Pritchett Branch to Middle Fork Obion River	D	6.00	080102030303
TNR051004	World Color Press	Middle Fork Obion River	X	98.40	080102030303
TNR051084	Franklin Industries Inc. Gleason Plant	UT to Spring Creek	J	1.50	080102030303
TNR053128	UNIMIN Corporation Gleason Plant	Middle Fork Obion River	J	82.00	080102030303

**Table A4-11a.**

PERMIT NUMBER	PERMITTEE	WATERBODY	SECTOR	AREA	HUC-12
TNR053139	Boral Bricks - Gleason Plant	UT to Middle Fork Obion River	E	16.90	080102030303
TNR053384	Old Hickory Clay Company	UT to Middle Fork Obion River	J	30.00	080102030303
TNR053724	FedEx Freight East, Inc. Dresden	Middle Fork Obion River	P	2.00	080102030303
TNR053759	Old Hickory Clay Company	UT to Middle Fork Obion River	J	30.00	080102030303
TNR054033	Kentucky-Tennessee Clay Company. #1	UT to Middle Fork Obion River	J	1.00	080102030303
TNR056401	Doyle Sims & Sons Trucking, Inc.	UT to Middle Fork Obion River	P	3.00	080102030303
TNR050424	Republic Builders Products	Spring Creek to Caledonia Creek to Coldwater Creek	AA	32.00	080102030401
TNR051659	American Lantern Company	Ditch to Boaz Creek to Spring Creek	AC	32.20	080102030401
TNR052078	Doane Pet Care Company	Spring Creek	U	7.20	080102030401
TNR052102	Del-Met/Profile Metal Forming, Inc.	UT to Spring Creek to Middle Fork Obion River	AA	10.00	080102030401
TNR054252	Southern Star Lumber Company	Spring Creek	A	9.00	080102030401
TNR054304	Cutting Specialist, Inc.	Boaz Creek	AA	14.60	080102030401
TNR056746	Cutting Specialists, Inc.	Boaz Creek to Spring Creek	AA	23.89	080102030401
TNR056878	Shomaker Lumber Company, Inc.	UT to Boaz Creek	A	22.00	080102030401
TNR054282	K T & L Timber Company	Pence Creek	A	10.96	080102030402
TNR050517	Gatewood Autos & Used Cars	Settling Pond to Farm Field	M	4.87	080102030501
TNR051355	El Dorado Chemical Company - Sharon	Middle Fork Obion River	C	4.00	080102030502
TNR054406	MTD Products, Inc.	No Discharge to Stream	AB	8.03	080102030503
TNR056546	Esterline Defense Group, Armtec Countermeasures TNO	UT & UTs to Rutherford Fork Obion River	C	19.00	080102030602
TNR051595	Milan Box Corporation	UT to Clear Creek	A	10.00	080102030603
TNR053125	Foamex L.P.	Wolf Creek	Y	52.00	080102030603
TNR056011	45 Auto Salvage	Ditch to UT to Obion River	M	20.00	080102030603
TNR050212	Tower Automotive Products Company	UT to Clear Creek	AB	30.00	080102030604
TNR051184	Maytag Customer Service	Clear Creek	AC	12.00	080102030604
TNR051824	Allsteel, Inc. - Milan	Clear Creek to Wolf Creek to Rutherford Fork Obion River	W	14.50	080102030604
TNR053287	Jones Companies, Limited Milan	Not Identified	V	22.50	080102030604
TNR053576	Volunteer Leather Company	Wolf Creek	Z	16.00	080102030604
TNR053116	Dyer Fruit Box Manufacturing Company	Sand Creek	A	7.00	080102030605

**Table A4-11b.**



**DRAFT**

PERMIT NUMBER	PERMITTEE	WATERBODY	SECTOR	AREA	HUC-12
TNR050791	Wis-Con Total Power	Obion River & Sand Creek	AB	12.80	080102030606
TNR051110	Plastech Engineered Products	Carroll Creek	Y	5.10	080102030606
TNR055910	Wisconsin Motors, LLC	Obion River & Sand Creek	AB	13.00	080102030606

**Table A4-11c.**

**Table A4-11a-c. TMSPs (Tennessee Multi Sector Permit) issued in the South Fork Obion River Watershed.** Area, acres of property associated with industrial activity; UT Unnamed Tributary. See Table A4-13 for Sector Details.

PERMIT NUMBER	PERMITTEE	WATERBODY	HUC-12
TNG830020	UST Abandoned Gas Station Skulimowski Property	UT to Middle Fork Obion River	080102030303

**Table A4-12. UST (Underground Storage Unit) Permittees in the South Fork Obion River Watershed.** UT, Unnamed Tributary.

<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 A4-13. TMSP Sectors and Descriptions.**