

**APPENDIX IV**

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0101	0102	0103	0104	0201
Bare Rock/Sand/Clay		50	81	6	156
Deciduous Forest	14,297	18,354	18,743	24,225	12,492
Developed Open Space	3,203	2,241	999	1,154	2,117
Evergreen Forest	321	525	376	779	1,080
Grassland/Herbaceous	413	944	5,426	329	1,483
High Intensity Development	94	79	5		59
Low Intensity Development	1,780	678	496	18	829
Medium Intensity Development	422	202	136		337
Mixed Forest	277	536	1,521	644	888
Open Water	556	1,337	4	7	468
Pasture/Hay	12,329	20,488	6,212	5,683	8,219
Row Crops	790	1,536	271	266	224
Shrub/Scrub	109	229	117	143	238
Woody Wetlands	231	222	26	44	62
<b>Total</b>	<b>34,837</b>	<b>47,422</b>	<b>34,412</b>	<b>33,297</b>	<b>28,651</b>

*Table A4-1a.*

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0202	0203	0204	0205	0206
Bare Rock/Sand/Clay	10	263	169	262	773
Deciduous Forest	3,051	14,148	6,673	18,932	9,024
Developed Open Space	562	1,175	737	2,054	3,831
Evergreen Forest	592	1,315	469	1,117	1,529
Grassland/Herbaceous	266	3,555	2,920	3,319	3,098
High Intensity Development		9	14	16	171
Low Intensity Development	9	444	316	593	2,118
Medium Intensity Development	3	170	54	116	659
Mixed Forest	459	1,993	1,064	3,043	1,572
Open Water	2	2,270	9	427	5,922
Pasture/Hay	6,362	3,394	1,722	3,862	9,375
Row Crops	147	7	36		142
Shrub/Scrub	159	152	12	16	253
Woody Wetlands	45	54	15	31	34
<b>Total</b>	<b>11,667</b>	<b>28,948</b>	<b>14,208</b>	<b>33,788</b>	<b>38,503</b>

*Table A4-1b.*

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0207	0208	0209	0210	0301
Bare Rock/Sand/Clay	16	483	933	212	145
Deciduous Forest	2,967	12,828	9,252	6,940	8,847
Developed Open Space	2,889	1,047	2,804	2,704	2,179
Emergent Herbaceous Wetlands					1
Evergreen Forest	117	917	1,695	1,581	1,270
Grassland/Herbaceous	152	2,772	4,178	585	6,461
High Intensity Development	252	34	44	64	3
Low Intensity Development	1,552	722	1,508	1,256	796
Medium Intensity Development	595	272	214	383	42
Mixed Forest	231	2,040	1,388	1,263	2,013
Open Water	24	1,752	9,045	2,818	893
Pasture/Hay	2,695	2,402	11,235	12,597	17,989
Row Crops	23	1	163	311	134
Shrub/Scrub	66	3	233	256	28
Woody Wetlands	9	31	43	49	70
<b>Total</b>	<b>11,588</b>	<b>25,305</b>	<b>42,736</b>	<b>31,019</b>	<b>40,871</b>

**Table A4-1c.**

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)				
	0302	0303	0304	0305	0306
Bare Rock/Sand/Clay	97	55	137	398	20
Deciduous Forest	12,130	20,573	12,630	14,289	1,830
Developed Open Space	2,512	1,898	7,478	2,530	925
Evergreen Forest	1,458	3,119	2,865	2,817	705
Grassland/Herbaceous	1,091	3,098	1,243	5,661	981
High Intensity Development	17	37	555	24	4
Low Intensity Development	562	1,038	3,309	1,199	423
Medium Intensity Development	45	152	1,574	183	80
Mixed Forest	1,402	3,944	1,776	3,918	615
Open Water	861	47	713	54	9
Pasture/Hay	19,934	8,103	11,328	12,263	3,466
Row Crops	1,144	57	662	76	13
Shrub/Scrub	343	26	383	9	
Woody Wetlands	385	244	348	289	56
<b>Total</b>	<b>41,980</b>	<b>42,391</b>	<b>45,002</b>	<b>43,710</b>	<b>9,128</b>

**Table A4-1d.**

**Table A4-1a-d. Land Use Distribution in the Holston 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.

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

*Table A4-2. Hydrologic Soil Groups in Tennessee as Described in WCS. 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 <sup>2</sup> )	Daily Flow			3Q2	1Q10	3Q10	7Q10	3Q20
				Avg	Max	Min					
3490500	0601010401	Holston River	2870.00	3774.3	52500.0	528.0	na	na	na	na	na
3491000	0601010401	Big Creek	47.30	58.3	4000.0	1.1	4.4	2.6	2.7	2.9	na
3491200	0601010401	Big Creek	2.00	na	na	na	na	na	na	na	na
3491300	0601010401	Beech Creek	47.00	48.2	2400.0	0.8	na	na	na	na	na
3491500	0601010402	Holston River	3035.00	4048.4	67000.0	459.0	na	na	na	614.0	535.0
3495500	0601010403	Holston River	3747.00	4670.5	54800.0	44.0	300.3	163.6	184.6	244.5	162.6

*Table A4-3. Stream Flow Data from USGS Gaging Stations in the Holston 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
TDECWPC	ALEXA000.6HS	Alexander Creek @ RM 0.6	060101040101
TDECWPC	ALEXA001.4HS	Alexander Creek @ RM 1.4	060101040101
TDECWPC	ARNOT000.1HS	Arnott Branch @ RM 0.1	060101040101
TDECWPC	ECO67H08	Parker Branch @ RM 0.5	060101040101
TDECWPC	HOLST131.5HS	Holston River @ RM 131.5	060101040101
TDECWPC	HORD000.2HS	Hord Creek @ RM 0.2	060101040101
TDECWPC	SMITH000.9HS	Smith Creek @ RM 0.9	060101040101
TDECWPC	BRADL001.4HS	Bradley Creek @ RM 1.4	060101040102
TDECWPC	FORGE000.8HS	Forgey Creek @ RM 0.8	060101040102
TDECWPC	HOLST109.9HS	Holston River @ RM 109.9	060101040102
TDECWPC	HONEY001.4HS	Honeycutt Creek @ RM 1.4	060101040102
TDECWPC	HUNT001.0HS	Hunt Creek @ RM 1.0	060101040102
TDECWPC	RENFRO000.2HS	Renfro Creek @ RM 0.2	060101040102
TDECWPC	SINKI001.1HS	Sinking Creek @ RM 1.1	060101040102
TDECWPC	SPOIN000.1HS	Stoney Point @ RM 0.1	060101040102
TDECWPC	SURGO000.1HS	Surgoinsville Creek @ RM 0.1	060101040102
TDECWPC	TERRI000.8HS	Terrill Creek @ RM 0.8	060101040102
TDECWPC	BIG002.0HS	Big Creek @ RM 2.0	060101040103
TDECWPC	BIG009.8HS	Big Creek @ RM 9.8	060101040103
TDECWPC	ECO6701	Big Creek @ RM 9.75	060101040103
TDECWPC	ECO6702	Fisher Creek @ RM 0.58	060101040103
TDECWPC	STANL000.1HS	Stanley Creek @ RM 0.1	060101040103
TDECWPC	BEECH003.8HS	Beech Creek @ RM 3.8	060101040104
TDECWPC	BEECH010.7HS	Beech Creek @ RM 10.7	060101040104
TDECWPC	GFORK000.6HS	Grassy Fork Creek @ RM 0.6	060101040104
TDECWPC	NORTH000.1HS	North Fork @ RM 0.1	060101040104
TDECWPC	CROCK001.8HS	Crockett Creek @ RM 1.8	060101040201
TDECWPC	DODSO000.5HS	Dodson Creek @ RM 0.5	060101040201
TDECWPC	DODSO002.6HS	Dodson Creek @ RM 2.6	060101040201
TDECWPC	HONEY001.7HS	Honeycutt Creek @ RM 1.7	060101040201
TDECWPC	LOUDE000.6HS	Louderback Creek @ RM 0.6	060101040201
TDECWPC	ROBER000.7HS	Robertson Creek @ RM 0.7	060101040202
TDECWPC	CLOUD002.7HS	Cloud Creek @ RM 2.7	060101040203
TDECWPC	HOLST089.0HS	Holston River @ RM 89.0	060101040203
TDECWPC	HOLST089.0HSB	Holston River @ RM 89.0	060101040203
TDECWPC	HOLST089.0HSS	Holston River @ RM 89.0	060101040203
TDECWPC	HOLST093.5HS	Holston River @ RM 93.5	060101040203
TDECWPC	HOLST093.5HSB	Holston River @ RM 93.5	060101040203
TDECWPC	HOLST093.5HSS	Holston River @ RM 93.5	060101040203
TDECWPC	HOLST097.5HS	Holston River @ RM 97.5	060101040203
TDECWPC	HOLST097.5HSB	Holston River @ RM 97.5	060101040203

Table A4-4a.

AGENCY	STATION	LOCATION	HUC-12
TDECWPC	HOLST097.5HSS	Holston River @ RM 97.5	060101040203
TDECWPC	RENFR000.1HS	Renfro Creek @ RM 0.1	060101040203
TDECWPC	STOCK001.1HS	Stock Creek @ RM 1.1	060101040203
TDECWPC	CANEY002.6HS	Caney Creek @ RM 2.6	060101040204
TDECWPC	CANEY006.0HS	Caney Creek @ RM 6.0	060101040204
TDECWPC	CANEY009.1HS	Caney Creek @ RM 9.1	060101040204
TDECWPC	CANEY000.8HS	Caney Fork @ RM 0.8	060101040205
TDECWPC	PVALL006.3HS	Poor Valley Creek @ RM 6.3	060101040205
TDECWPC	PVALL013.2HS	Poor Valley Creek @ RM 13.2	060101040205
TDECWPC	HOLST001.8KN	Holston River @ RM 1.8	060101040304
TDECWPC	PRATT000.1KN	Pratt Branch @ RM 0.1	060101040304
TDECWPC	SPOND004.5KN	Swan Pond Creek @ RM 4.5	060101040304
TDECWPC	FLAT003.0UN	Flat Creek @ RM 3.0	060101040305
TDECWPC	FLAT004.0UN	Flat Creek @ RM 4.0	060101040305
TDECWPC	LITTL001.5UN	Little Creek @ RM 1.5	060101040305

**Table A4-4b.**

**Table A4-4a-b. STORET Water Quality Monitoring Stations in the Holston River Watershed.**  
TDECWPC, Tennessee Department of Environment and Conservation Division of Water Pollution Control; UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-12
TN0002330	Holliston Mills, Inc.	2295 2261 2672	Coated Fabric, not Rubberized	Major	Holston River @ RM 129.5	060101040101
TN0021253	Church Hill STP	4952	Sewerage System	Major	Holston River @ RM 136.5	060101040101
TN0062057	Mount Carmel STP	4952	Sewerage System	Minor	Holton River @ RM 137.5	060101040101
TN0001694	Quebecor World	2732 2789	Book Printing	Minor	UT to Bradley Creek @ RM 1.4	060101040102
TN0002631	AFG Industries, Inc.	3211	Flat Glass	Minor	Holston River	060101040102
TN0003581	Alladin Investments, Inc.	3089	Plastic Products	Minor	UT @ RM 0.08 to Stoney Point Creek @ RM 0.2	060101040102
TN0055468	Surgoinsville Middle and Elementary Schools	4952	Sewerage System	Minor	Forgey Creek @ RM 1.4	060101040102
TN0020672	Rogersville STP	4952	Sewerage System	Major	Holston River @ RM 99.7	060101040201
TN0005436	TVA-John Sevier Fossil Fuel Plant	4911	Electric services	Major	Polly Branch	060101040201
TN0054623	Cherokee Comprehensive High School	4952	Sewerage System	Minor	UT @ RM 0.9 to Robertson Creek @ RM 0.8	060101040202
TN0055603	Mooreburg Elementary School	4952	Sewerage System	Minor	Mooreburg Branch @ RM 1.4	060101040205
TN0023507	Morristown, STP	4952	Sewerage System	Major	Holston River @ RM 75.0	060101040206
TN0067989	Koch Foods, LLC	2015	Poultry Slaughtering and Processing	Minor	West Fork Turkey Creek @ RM 0.1	060101040207
TN0021199	Jefferson City STP	4952	Sewerage System	Major	Mossy Creek Embayment @ RM 3.0	060101040210
TN0065480	Five Rivers Electronic	2517	Wood Cabinets for Television, Radio, Phonograph, and Sewing Machines	Minor	Groundwater Sinkhole	060101040210
TN0061476	Rush Strong School	4952	Sewerage System	Minor	Crowder Branch @ RM 0.4, Holston River @ RM 17.7	060101040302
TN0002089	Norfolk Southern Railway	4011	Railroad Switching and Operations	Minor	UT to Holston River @ RM 7.4	060101040304
TN0003352	Cemex, Inc.	3241	Cement Hydraulic	Minor	Woods Creek	060101040304
TN0005371	Valley Protein	2077	Animal and Marine Fats and Oils	Minor	Holston River @ RM 15.2	060101040304
TN0021822	KUB-Loves Creek STP	4952	Sewerage System	Major	Holston River @ RM 5.0	060101040304
TN0061743	KUB-East Bridge STP	4952	Sewerage System	Minor	Holston River @ RM 14.2	060101040304
TN0064351	Pilot Travel Centers	5541	Gasoline Service Station	Minor	Pratt Branch @ RM 0.2	060101040304
TN0077950	Kwik-Shop #398	5541	Gasoline Service Station	Minor	Pratt Branch @ RM 1.0	060101040304
TN0078361	Aqua Chem, Inc.	3443	Fabricated Plate Work	Minor	Sand Branch	060101040304

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

FACILITY NUMBER	PERMITEE	WATERBODY	HUC-12
TN0061336	First Utility District of Hawkins County WTP	Hord Creek	060101040101
TN0078174	First Utility District of Hawkins County WTP	Alexander Creek @ RM 0.2	060101040101
TN0073261	Surgoinsville Utility District	Young Branch, Surgoinsville Creek, Holston River @ RM 118.5	060101040102
TN0005185	NE Knox Utility District	Legg Creek RM 0.2	060101040304
TN0075086	Persia Utility District	Holston River @ RM 102.5	060101040201
TN0074624	Mooresburg WTP	Mooresburg Branch	060101040205
TN0074080	Luttrell-Blaine-Corryton WTP	Little Flat Creek	060101040305

*Table A4-6. Water Treatment Plants in the Holston River Watershed.*

FACILITY NUMBER	PERMITEE	COUNTY	LIVESTOCK	WATERBODY	HUC-12
TNA000070	Cope Poultry Farm	Hawkins	Poultry	Big Creek	060101040103
TNA000063	Valley Creek Farms	Hawkins	Poultry	Robertson Creek	060101040202

*Table A4-7. CAFO Sites in the Holston River Watershed.*

<b>FACILITY NUMBER</b>	<b>PERMITEE</b>	<b>SIC</b>	<b>SIC NAME</b>	<b>WATERBODY</b>	<b>HUC-12</b>
TN0054291	Short Mountain Silica (Short Mountain Sand Quarry)	1446	Industrial Sand	Poor Valley Creek Red House Branch	060101040203
TN0071919	Short Mountain Trucking, Inc. (Truck Loading and Maintenance Facility)	1446	Industrial Sand	Red House Branch	060101040203
TN0027910	Vulcan Construction Materials (Rogersville Quarry)	1422	Crushed and Broken Limestone	Caney Creek	060101040204
TN0076201	Fine Sands, LLC (Quarry #1)	1446	Silica Sand Mining	Little Poor Valley Creek	060101040205
TN0001732	ASARCO, Incorporated (Coy Mine)	1031	Lead and Zinc Ores	Mossy Creek	060101040210
TN0071030	Rinker Materials-South Central (Coy Stone and Concrete Plant)	1422	Crushed and Broken Limestone	UT to Mossy Creek	060101040210
TN0076287	Rocktown Road Quarry, Inc. (Rocktown Road Quarry)	1422	Limestone Crushed and Broken	Karst	060101040210
TN0072516	Riverbend Constr. Materials (Cherokee Quarry)	1422	Crushed and Broken Limestone	Holston River and Unnamed Tributary to Holston River	060101040301
TN0001741	ASARCO, Incorporated (Young Mine)	1031	Lead and Zinc Ores	Beaver Creek @ RM 2.8	060101040302
TN0001759	ASARCO, Incorporated (Immel Mine)	1031	Lead and Zinc Ores	Holston River	060101040302
TN0027677	ASARCO, Incorporated (Young Mill)	1031	Lead and Zinc Ores	Beaver Creek	060101040302
TN0057029	Mossy Creek Mining, LLC (New Market Mine)	1031	Lead and Zinc Ores	Ault Lake	060101040302
TN0061468	ASARCO, Incorporated (Beaver Creek Shaft)	1031	Lead and Zinc Ores	Hodges Lake	060101040302
TN0031089	Rinker Materials-South Central (Midway Quarry and Concrete)	1422	Crushed and Broken Limestone	Holston River	060101040304
TN0054453	General Shale Products, LLC (Mine #7)	1459	Clay, Ceramic, and Refractory Minerals	Legg Creek Woods Creek	060101040304
TN0060844	Global Stone (Luttrell Mine)	1422	Crushed and Broken Limestone	UT to Little Creek Flat Creek	060101040305
TN0063657	East Tennessee Industries (Asbury Project Area #1)	1422	Crushed and Broken Limestone	UT to Sand Branch	060101040304
TN0071455	General Shale Products	1459	Clay, Ceramic, and Refractory Minerals	UT to Woods Creek	060101040304

**Table A4-8. Active Permitted Mining Sites in the Holston River Watershed.** SIC, Standard Industrial Classification; UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	WATERBODY	HUC-12
TNG110139	Tri-Cities Concrete Co.	Crockett Creek	060101040201
TNG110200	Cloud 9 Enterprises	UT to Cherokee Reservoir	060101040205
TNG110049	Concrete Materials, Inc.	UT to Turkey Creek	060101040207
TNG110096	Loven Ready-Mix	Havley Springs Branch	060101040209
TNG110290	Morristown Concrete Plant	Williams Branch	060101040209
TNG110029	Ready-Mix Concrete Co.	WWC to Love Creek	060101040304
TNG110289	Harrison Ready-Mix	Woods Creek	060101040304

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

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-12
NRS01.136	Hawkins	Utility Line Crossing	Alexander Creek	060101040101
NRS01.065	Hawkins	Road Alignment	UT to Renfro Creek	060101040102
NRS01.285	Hawkins	Impoundment		060101040102
NRS00.285	Hawkins	Stream Relocation	Three Forks Branch	060101040201
NRS01.089	Hawkins	Bank Stabilization	Holston River	060101040201
NRS03.350	Hamblen	Road Extension	Unnamed Tributary	060101040206
NRS04.080	Hamblen	Floating Boat Dock and Ramp	Kellar Branch	060101040206
NRS02.178	Jefferson	Sewer Line Construction	Byrd Springs Branch	060101040210
NRS03.017	Jefferson	Road Construction	Crowder Branch	060101040302
NRS03.017B	Jefferson	Road Construction	UT to Crowder Branch	060101040302
NRS01.178	Knox		Fourth Creek	060101040304
NRS02.329	Knox	Road Crossing	Holston River	060101040304

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

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-12
TNR053251	Carter Valley Landfill	L	Renfro Creek	364	060101040101
TNR055935	Appalachian Timber Company	A	Smith Creek	0.69	060101040101
TNR050656	Quebecor World	X	Bradley Creek	90	060101040102
TNR051221	AFG Industries, Incorporated	E	Holston River	363	060101040102
TNR051690	MIS	AA	UT to Stony Point Creek	6.94	060101040102
TNR051722	Alladin Plastics	Y	UT(s) to Holston River	51.09	060101040102
TNR053324	Tri-County Materials, Inc.	D	Caney Creek	18.11	060101040102
TNR053461	APAC Plant 0407	D		2.64	060101040102
TNR053744	Cooper-Standard Automotive	AB	UT to Holston River	8.98	060101040102
TNR053864	Peddinghaus Modern Technologies	AA	UT to Stoney Point Creek	25.2	060101040102
TNR053449	Hawkins County Airport	S		4.9	060101040102
TNR053401	Lender Services, Incorporated	P	Natural Evaporation	0.1	060101040103
TNR050262	Assured castings	F	Crockett Creek	9	060101040201
TNR050302	Dixie Customs	M	WWC to Crockett Creek	10	060101040201
TNR052011	East Tennessee Iron and Metal	N	Fall Creek	8.22	060101040201
TNR053187	TVA-John Sevier Fossil Plant	O, L	Holston River @ RM 106.8, @ RM 106.6, and @ RM 106.2	350.2	060101040201
TNR050391	International Playing Cards	X	Crockett Creek	8.07	060101040204
TNR054286	Full Cycle Woodworks, Inc.	A	Caney Creek	4.99	060101040204
TNR050178	Mahle, Incorporated	AB, F	Cedar Creek	46	060101040206
TNR050462	Berg Profiles	A	Fall Creek	5.7	060101040206
TNR050503	Shelby Williams Industries	W	Cedar Creek	13	060101040206
TNR050932	Stewart Furniture	A		11.5	060101040206
TNR051338	Quality Craft, Incorporated	W	Stubblefield Creek	0.3	060101040206
TNR051566	Press Repair and Engine Sales	AB	Turkey Creek	1.4	060101040206
TNR051804	Hardwoods of Morristown	W	Turkey Creek	13	060101040206
TNR051847	Berkline Plant 1	W, AD, P	Stubblefield Creek	11.19	060101040206
TNR051862	Pioneer Plastics Corporation	Y		21	060101040206
TNR053011	GE-Morristown	AC	Morristown Storm Sewer	4.1	060101040206
TNR053425	Federal Express	S, P	Cedar Creek	1.3	060101040206
TNR053410	Carolina Commercial Heating	F	Fall Creek, Holston River	8.7	060101040206
TNR053561	United Parcel Service	P	UT to Fall Creek	0.87	060101040206
TNR053570	Foamex LP Plant #1	Y	Cherokee Lake	5.7	060101040206
TNR053639	Arvin Meritor	AB	Cherokee Lake	22.1	060101040206
TNR054517	Morristown Block/Concrete	E	Fall Creek	3	060101040206
TNR056574	Pepsi Bottling Group	P	Fall Creek	0.6	060101040206
TNR051039	Flowers Baking Company	U	Hauley Springs	3.4	060101040207
TNR051977	Jeffrey Chain Corporation	AB, AA	Subsurface Waters	5	060101040207
TNR053422	Morristown Airport	S	Panther Creek	0.99	060101040207
TNR053571	Foamex LP Plant #3	Y	Cherokee Lake	3.7	060101040207
TNR054274	K-Chemicals, Incorporated	C		1	060101040207
TNR053662	Sonoco Flexible Packaging	X	Panther Creek	10	060101040209
TNR050076	Howmet Corporation	E	Various Sinkholes	3	060101040210
TNR050111	Colortech, Incorporated	Y	Morristown Storm Sewer	4.5	060101040210
TNR050127	Adams Wood Products	W	Fall Creek	12.71	060101040210

Table A4-11a.

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-12
TNR050463	Five Rivers Electronic	W	Sinkholes	24	060101040210
TNR050853	Vacument Metallized Paper	B		3	060101040210
TNR053464	APAC Plant 0418	D		6.5	060101040210
TNR053670	Vifan USA, Incorporated	Y	Holston River	36	060101040210
TNR053794	Mossy Creek Mining, LLC	J	Mossy Creek	250	060101040210
TNR054181	Tuff Torq Corporation	AB	Sinkhole	11.63	060101040210
TNR054264	J.W. Allen/Rich Products	U	Metro Storm Sewer	7	060101040210
TNR054491	Petoskey Plastics, Incorporated	Y	Metro Storm Sewer	9.79	060101040210
TNR055060	J.W. Allen/Rich Products	U	Metro Storm Sewer to Poplar Springs Branch	10	060101040210
TNR056058	Broken Wheel Auto Salvage	M	Sinkhole	23.89	060101040210
TNR051780	MacDermid Printing Solutions	Y		6.9	060101040301
TNR056043	Biddle Auto Parts, Inc.	M		4.99	060101040302
TNR050304	Timken-Rail Bearing Service	AB, AA		3	060101040304
TNR050549	Stowers Machinery Corporation	AD, P	Woods Creek	6.5	060101040304
TNR051186	Neal Auto Parts	M	Ditch to Holston River	10	060101040304
TNR051884	Dalkin Drivetrain Components	AB	Holston River	4	060101040304
TNR052004	Elf Lubricants, North America	D		2.8	060101040304
TNR052094	Poplar View Landfill	L	UT to Holston River @ RM 8.5	38.31	060101040304
TNR056406	Knoxville Utilities Board	T	Holston River @ RM 14.2	1.1	060101040304
TNR053460	APAC-Knoxville Shop/Yard	P		10.487	060101040304
TNR053465	APAC Plant 0402	D		2.35	060101040304
TNR054271	Pickel machine Shop, Inc.	AB	Legg Creek	0.4	060101040304
TNR055079	Packaging Corp. of America	B	Cliff Creek	19	060101040304
TNR056407	Knoxville Utilities Board	T	Holston River @ RM 5.0	3.32	060101040304
TNR056520	Rogers Auto Salvage	M, P	UT to Holston River	23.89	060101040304

**Table A4-11b.**

**Table A4-11a-b. Active Permitted TMSP Facilities in Holston 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.

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

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