

**APPENDIX IV**

LAND USE/LAND COVER	AREAS IN HUC-12 SUBWATERSHEDS (ACRES)			
	0501*	0708	0709	0710
Bare Rock/Sand/Clay				2
Deciduous Forest		2,693	3,848	10,747
Developed Open Space		54	80	271
Evergreen Forest		62	23	171
Grassland/Herbaceous		227	261	289
High Intensity Development				49
Low Intensity Development		3	6	16
Medium Intensity Development		3	2	17
Mixed Forest		16	8	89
Open Water				181
Pasture/Hay		158	316	1,246
Row Crops		117	29	489
Shrub/Scrub		10	8	48
Woody Wetlands		6		6
<b>Total</b>		<b>3,349</b>	<b>4,581</b>	<b>13,621</b>

**Table A4-1. Land Use Distribution in the Upper 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. \*, No data available.

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.

AGENCY	STATION	LOCATION	HUC-12
3COEHUN	3COR20010	Cumberland River @ RM 381.0	05130101030710
21KY	CRW008	Marrowbone Creek Near Leslie	Kentucky
21KY	CRW009	Croccus Creek Near Bakerton	Kentucky
21KY	PRI007	Cumberland River Near Burkesville	Kentucky
21KY	PRI088	Buck Creek Near Dykes	Kentucky

**Table A4-3. STORET Water Quality Monitoring Stations in the Upper Cumberland River Watershed.** COE, Corps of Engineers.

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-12
NRS03.330	Clay	Entranceway	Wetland	051301030710

**Table A4-4. Individual ARAP Permits Issued January 2000 Through June 2004 in Upper Cumberland River Watershed.**