Appendix E

Hydroelectric Dams

Table E-1 provides the name, county and community location, year completed, generating capacity in kilowatt-hours, reservoir surface area, and length of shoreline for each hydroelectric power plant.

Figure E-1 is a map of Alabama showing the locations of the hydroelectric dams and the major river systems in Alabama. Alabama Power Company, PowerSouth Energy Cooperative, the Tennessee Valley Authority, and the US Army Corps of Engineers manage 21 hydroelectric dams on the Tennessee. Black Warrior, Coosa, Tallapoosa, Alabama, and Conecuh Rivers. Georgia Power Company, and The US Army Corps of Engineers manage six hydroelectric dams on the Chattahoochee River separating Alabama and Georgia.

Table E-1. Hydroelectric dams in Alabama, 2010

[Location indicates the nearest city to the dam, not necessarily the location of the dam or the business offices; kWh, kilowatt-hour; AL, Alabama; TVA, Tennessee Valley Authority; APC, Alabama Power Company; USACE, U.S. Army Corps of Engineers; GA, Georgia; GPC, Georgia Power Company; PSEC, PowerSouth Energy Cooperative]

Hydroelectric dam	County	Location	Year Completed	Generating Capacity (kWh)	Area(surface acres)	Length of Shoreline (miles)	Operator
Tennessee River							
Guntersville Dam	Marshall	Guntersville, AL	1939	140,400	67,900	890	TVA
Wheeler Dam	Lauderdale	Decatur, AL	1936	411,800	67,070	1,027	TVA
Wilson Dam	Lauderdale	Florence, AL	1924	675,400	15,500	166	TVA
Black Warrior River							
Smith Dam	Walker, Cullman	Jasper, AL	1961	157,500	21,200	500	APC
Bankhead Lock and Dam	Tuscaloosa	Northport, AL	1963	53,985	9,200	400	APC
Holt Lock and Dam	Tuscaloosa	Northport, AL	1968	49,000	3,296	45	APC
Coosa River							
Weiss Dam	Cherokee	Leesburg, AL	1961	87,750	30,200	447	APC
Neely Henry Dam	Calhoun, St. Clair	Ohatchee, AL	1966	72,900	11,200	339	APC
Logan Martin Dam	St. Clair, Talladega	Vincent, AL	1964	128,250	15,263	275	APC
Lay Dam	Chilton, Coosa	Clanton, AL	1914	177,000	12,000	289	APC
Mitchell Dam	Chilton, Coosa	Verbena, AL	1923	170,000	5,850	147	APC
Jordan Dam	Elmore	Wetumpka, AL	1928	100,000	6,800	118	APC
Walter Bouldin Dam	Elmore	Wetumpka, AL	1967	225,000	6,800	118	APC
Tallapoosa River							
R.L. Harris Dam	Randolph	Wedowee, AL	1983	135,000	10,660	271	APC
Martin Dam	Elmore, Tallapoosa	Dadeville, AL	1926	154,200	40,000	700	APC
Yates Dam	Elmore, Tallapoosa	Tallassee, AL	1928	45,500	2,000	40	APC
Thurlow Dam	Elmore, Tallapoosa	Tallassee, AL	1930	85,000	574	6	APC
Alabama River							
Robert F. Henry Dam	Autauga, Lowndes	Benton, AL	1972	72,000	12,800	368	USACE
Millers Ferry Dam	Wilcox	Millers Ferry, AL	1970	90,000	17,280	500	USACE
Chattahoochee River							
West Point Dam	Troup GA / Chambers AL	West Point, GA	1975	82,200	25,900	525	USACE
Goat Rock Dam	Harris GA / Lee AL	Phenix City, AL	1915	38,600	940	25	GPC
Bartlett's Ferry Dam	Harris GA / Lee AL	Phenix City, AL	1926	173,000	5,850	156	GPC
Oliver Dam	Muscogee GA / Lee AL	Columbus, GA	1959	60,000	2,150	40	GPC
North Highlands Dam	Muscogee GA / Lee AL	Columbus, GA	1903	29,600	131	3	GPC
Walter F. George Dam	Clay GA / Henry AL	Eufaula, AL	1963	160,000	45,180	640	USACE
Gantt Dam	Covington	Andalusia, AL	1920	5,200	2,700	21	PSEC
Point A Dam	Covington	Andalusia, AL	1920	3,200	600	15	PSEC
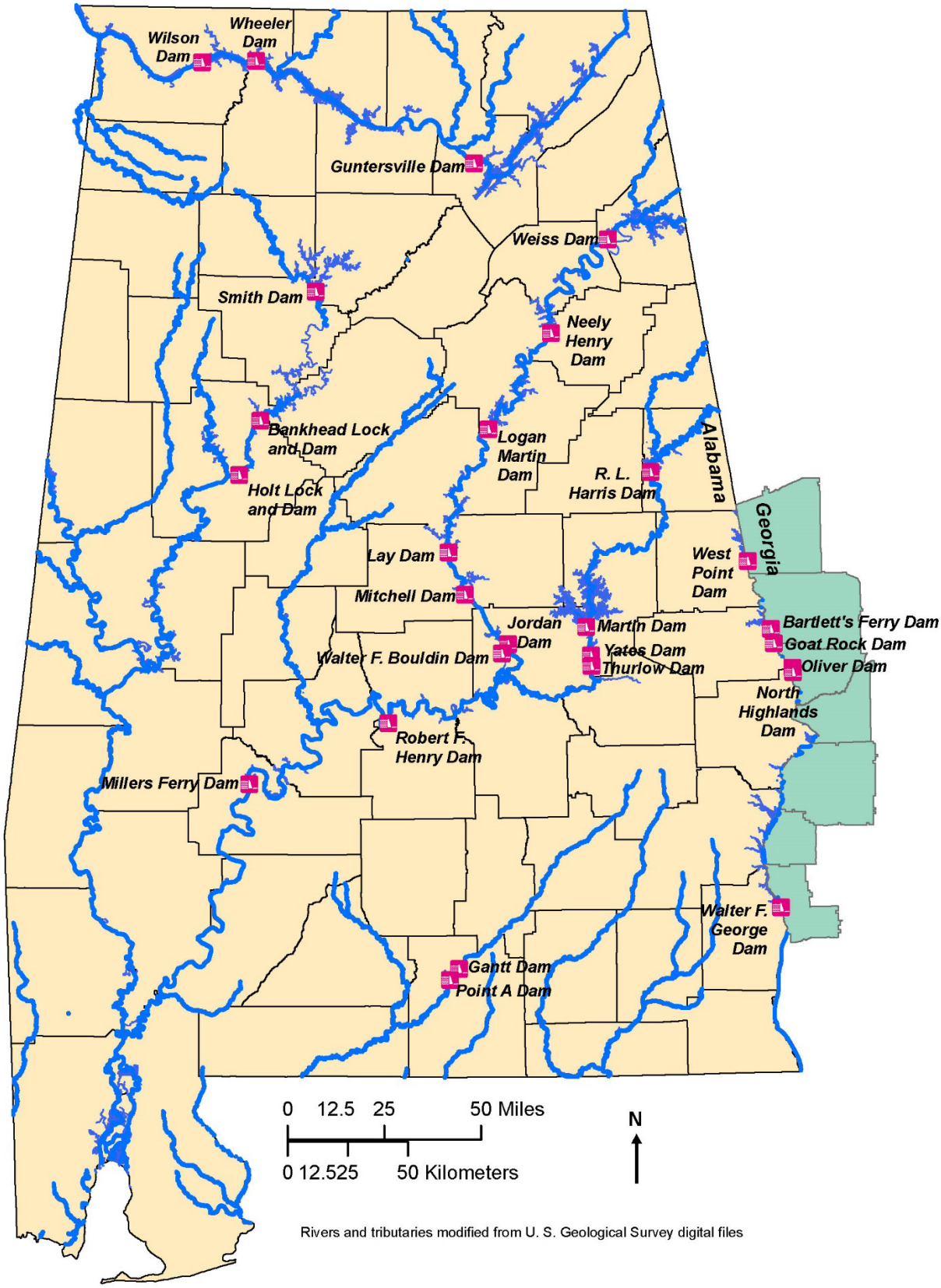
Figure E-1. Hydroelectric dams in Alabama, 2010.