APPENDIX H

NPDES PERMITED POINT SOURCES AND MINES

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The NPDES Permit Program

The National Pollutant Discharge Elimination System (NPDES) was created in 1972 by the Federal Water Pollution Control Act Amendments (the Clean Water Act). The NPDES program first focused on improving water quality by regulating point sources, specifically industrial process wastewater and municipal sewage discharges. Each facility discharging to U.S. waters is required to obtain a discharge permit with specific numerical limits on the discharge of certain pollutants.

The NPDES program is a federal program with the state of Georgia as the permitting authority for point source discharges into U.S. waters in Georgia. NPDES permits include specific numerical limits on pollutants in the effluent discharged into Lake Lanier. The intent of the numeric limits is to prevent the permitted effluent from violating the Georgia water quality standards.

A list of NPDES permitted point sources is provided in Table H-1.

Mines

The Clean Lakes Study reports that during the 19th and early 20th centuries gold was mined extensively in the Lake Lanier watershed, mainly in what is known as the Dahlonega Gold Belt and the Hall County Gold Belt. The mines—former, current, or future—all present some opportunity for storm water to contact mine tailings and spoil material that can then be washed into Lake Lanier.

Table H-2 lists former, current, and possible future mines.

Table H-1
Point Source Discharge Locations

Identification Number	Facility Name	City	County	Receiving Water	Major or Minor	Average Design Flow (million gallons/day)
			Lake Lanier			
GA0030261	Habersham On Lanier	Cumming	Forsyth	Lake Lanier		0.11
GA0031674	Lanier Beach South	Forsyth County	Forsyth	Lake Sidney Lanier		
GA0035971	Forsyth Consolidated Schools	Forsyth County	Forsyth	Settingdown Creek		0.038
GA0048712	Gwinnett Co Lanier Wp		Gwinnett			
GA0048721	Gwinnett Co Lanier Wp		Gwinnett			
GA0021229	Usa Coe Lk Lanier Mt View Rec	Gainesville	Hall			
GA0022080	Holiday On Lake Lanier-Buford	Buford	Hall	Lake Lanier		
GA0049115	Lake Lanier Islands Wpcp	Buford	Hall	Lake Lanier		0.35
GA0024198	Chattahoochee Bay	Flowery Branch	Hall	Lake Lanier		0.004
GA0033006	University Yacht Club	Flowery Branch	Hall	Lake Lanier		
GA0049051	Cinnamon Cove Condominiums	Flowery Branch	Hall	Lake Lanier		
GA0022471	Chattahoochee Country Club	Gainesville	Hall	Lake Lanier		0.01
GA0030716	Gainesville White Sulphur Wpcp	Atlanta	Hall	Lake Lanier in Chattahoochee River		0.1
GA0034991	Clark's Cover Marina-Oakwood	Oakwood	Hall	Lake Lanier Tributary		
GA0020168	Gainesville (Linwood Drive)	Gainesville	Hall	Lake Sidney Lanier		3.1
GA0034843	Lanier Elem School	Gainesville	Hall	Unnamed Tributary to Lake Lanier		0.006
GA0034860	Sardis Elem School	Gainesville	Hall	Unnamed Tributary to Lake Lanier		0.0092
GA0034916	Gainesville Chatt. Golf Club	Gainesville	Hall	Unnamed Tributary to Lake Sidney		0.004
			Chattahoochee River			
GA0046086	Davidson Mineral Properties	Demorest	Habersham	Hazel Creek		
GA0032506	Demorest Wpcp	Demorest	Habersham	Hazel Creek Tributary to Soquee River		0.4
GA0022209	Lee Arrendale Correct Institute	Habersham County	Habersham	Hudson River Tributary to Broad River		0.25
GA0038245	Lee Arrendale State Prison	Alto	Habersham	Las		
GA0033952	Habersham Central Hi School	Mount Airy	Habersham	Lick Log Creek		
GA0029742	Milam Concrete Co	Cornelia	Habersham	Little Mud Creek		
GA0001783	Ethicon, Inc	Habersham County	Habersham	Mud Creek		
GA0027570	Usda Fs-Lake Russell Rec Area	Cornelia	Habersham	Nancy Town Creek		
GA0003221	Texaco Augusta	Demorest	Habersham	Savannah River		
GA0021504	Cornelia Wpcp	Cornelia	Habersham	South Fork-Little Mud Creek		3
GA0001694	Habersham Mills, Inc	Habersham	Habersham	Soque Rv		
GA0001112	Scovill Fasteners, Inc	Clarkesville	Habersham	Soquee River		
GA0032514	Clarkesville Wpcp	Clarkesville	Habersham	Soquee River in Chattahoochee River		0.75

Table H-1
Point Source Discharge Locations

Identification Number	Facility Name	City	County	Receiving Water	Major or Minor	Average Design Flow (million gallons/day)
GA0049026	Gainesville Jr College	Gainesville	Hall	Balus Creek		
GA0037044	Dutch Quality House	Gainesville	Hall	Balus Creek		
GA0034924	So Hall Industrial Park	Oakwood	Hall	Balus Creek		0.01
GA0026301	Baker's Mhp-Bells Mill Creek	Gainesville	Hall	Bells Mill Creek		
GA0034894	South Hall Junior High School	Gainesville	Hall	Caney Creek		0.01
GA0022772	Texaco Gainesville	Gainesville	Hall	Chattahoochee River		
GA0027103	Hall Co-Tadmore Elem School	Gainesville	Hall	East Fork Creek		
GA0032697	Wauka Mtn Elem School	Hall County	Hall	East Fork Little River		0.0136
GA0024589	Milliken-Gainesville	Gainesville	Hall	Flat Creek		
GA0001937	So Moulding & Howe Gainesville	Hall County	Hall	Flat Creek		
GA0035505	Georgianna Motel & Restaurant	Gainesville	Hall	Flat Cr Tributary		
GA0034851	Mcever Elem School	Gainesville	Hall	Flat Cr-Chattahoochee River		
GA0023043	Dixie Mobile Home Park	Gainesville	Hall	Flat Creek		0.0053
GA0024384	Wayne Poultry Co-Gainesville	Gainesville	Hall	Flat Creek		
GA0047724	Queen City Foods, Inc		Hall	Flat Creek		
GA0046647	Hydro Conduit Corp.	Gainesville	Hall	Flat Creek		
GA0047538	Williams Brothers Concrete Co	Gainesville	Hall	Flat Creek		
GA0021156	Gainesville Flat Cr Wpcp	Gainesville	Hall	Flat Creek/Lake Lanier		7.2
GA0002593	Swift Dairy & Poultry Gains	Gainesville	Hall	Gainesville Ml Branch		
GA0047490	Greenway Mhp		Hall	Hawkins Branch		
GA0049891	Lakeside Mobile Home Community	Gainesville	Hall	Indian Springs Branch		0.003
GA0049026	Gainesville Jr College	Gainesville	Hall	Balus Creek		
GA0031933	Flowery Branch Wpcp	Flowery Branch	Hall	Lake Sidney Lanier in Chattahoochee		0.4
GA0024635	Milliken-New Holland	New Holland	Hall	Limestone Creek		
GA0047716	Guilford Mills, Inc		Hall	Limestone Creek		
GA0022136	Lula Elem Sch	Lula	Hall	Lula Branch		
GA0024767	Lula Wpcp	Lula	Hall	Lula Branch Tributary to Hagen Creek		0
GA0049387	Blue Circle Aggregates, Inc	Hall County	Hall	Mitchell Creek		
GA0027090	Flowery Branch Elem School	Flowery Branch	Hall	Mud Creek		0.012
GA0001368	W M Wrigley Co Gainesville	Hall County	Hall	Mud Creek		
GA0035751	Schuberth Corp-Flowery Branch	Hall County	Hall	Mud Creek		
GA0037265	Skf Bearing Industries Co	Flowery Branch	Hall	Mud Creek		
GA0027111	Johnson High School	Gainesville	Hall	Redwine Creek		0.04
GA0001791	Johnson & Johnson Advanced Mtl	Hall County	Hall	Redwine Creek / Balus Creek		

Table H-1
Point Source Discharge Locations

Identification Number	Facility Name	City	County	Receiving Water	Major or Minor	Average Design Flow (million gallons/day)
GA0001350	Marell Poultry Murrayville	Hall County	Hall	Squirrel Creek		
GA0026999	Harrison Oil Co	Gainesville	Hall	Unknown		
GA0033171	Jerry C Carter Oil - Gainesville	Gainesville	Hall	Unknown		
GA0023469	Shadygrove Mhp-Flowery Branch	Flowery Branch	Hall	Unnamed Tributary to Balus Creek		0.02
GA0048089	Oakwood Elem School	Oakwood	Hall	Unnamed Tributary to Balus Creek		0.012
GA0032590	Helen Wpcp	Helen	White	Chattahoochee River		0.5
GA0034983	Camp Barney Medintz-Cleveland	White County	White	Jenny Creek-Twon Creek-Mossy Creek		
			Chestatee River			
GA0034886	North Hall High School	Gainesville	Hall	Unnamed Tributary to Wahoo Creek		0.03
GA0036234	Dahlonega Wtp	Dahlonega	Lumpkin			
GA0037958	Vulcan Materials Co	Dahlonega	Lumpkin	Chestatee River		
GA0022977	Am Telephone & Telegraph Co	Dahlonega	Lumpkin	Pecks Mill Creek		
GA0034207	Oak Grove Mhp-Dahlonega	Dahlonega	Lumpkin	Unnamed Tributary to Cane Creek		0.005
GA0037281	High Point Minerals, Inc.	Buford	Lumpkin	Unnamed Tributary to Cavenders Creek		
GA0037508	Long Branch Quarry	Lumpkin County	Lumpkin	Unnamed Tributary Long Branch Creek		
GA0033979	Camp Glisson (No Ga Umc)	Dahlonega	Lumpkin	Unnamed Trib\Cane Creek\Lake Lanier		0.005
GA0026077	Dahlonega Wpcp	Dahlonega	Lumpkin	Yahoola Creek Tributary		1.44
GA0046400	Mountain Lakes Resort, Inc	Helen	White	Lake Qualatchee To Cathy Creek		0.009
GA0023345	Cleveland (Wpcp)	Cleveland	White	Little Niagara Creek Tributary		0.35
GA0000540	Ames Textile Corp Cleveland	Cleveland	White	Little Tesna Creek		
GA0023990	Unicol Outdoor Rec Exp Station	Helen	White	Smith Creek		
GA0026379	Friendship Health Care Center	Cleveland	White	Stephens Branch		0.02
GA0036820	Cleveland Wpcp	Cleveland	White	Tesnatee Crk Tributary to Chestatee Tr		0.75
GA0046311	J.A. Hudson Construction Co	Cleveland	White	Unnamed Trib to Gold Branch-Jenny C		
GA0035467	Camp Coleman-Cleveland	Cleveland	White	Unnamed Trib to Town Creek Tributary		0.01
GA0046302	Long Mountain Quarry	Cleveland	White	Unnamed Tributary to Shoal Creek		
			West Fork Little River			
GA0034568	Wauka Mountain Nursing Home	Gainesville	Hall	Little River		0.01
GA0024376	Wayne Poultry Clermont	Clermont	Hall	Little River		
GA0027049	Glover & Baker Mhp	Gainesville	Hall	Little River		0.0076
GA0027057	Baker's Mhp #2	Gainesville	Hall	Little River		
GA0047929	Brookton Catfish School Restr		Hall	Unnamed Tributary to Little River		0.034

* NA-Inactive facilities, Data not available

Source: USEPA, 2001b.

Table H-2
Mine Locations

Identification Number	Facility Name	Latitude	Longitude	County	Type	Status	Compound Mined
			Chattahoochee River				
0131370002	Habersham Quarry	34.553056	-83.557778	Habersham	Surface	Producer	Stone granite Cb
0131370003	Habersham Quarry	34.584167	-83.543333	Habersham	Surface	Past Producer	Stone granite Cb
0131370004	Stamborough Quarry	34.575833	-83.548889	Habersham	Surface	Producer	Stone granite Cb
0131390006	Armour Prospect	34.491389	-83.729444	Hall	Unknown	Exp Prospect	Manganese
0133110001	Deans Vein	34.697222	-83.738056	White	Unknown	Exp Prospect	Gold
0133110002	Yonah Vein Lot 92	34.675000	-83.748611	White	Unknown	Exp Prospect	Gold
0133110003	Childs Mine	34.703889	-83.688056	White	Surface	Past Producer	Gold
0133110004	Ashbury Property	34.700556	-83.773889	White	Underground	Past Producer	Gold
0133110005	Reaves Property	34.697222	-83.738056	White	Surface	Past Producer	Gold
0133110006	Lot 10 Gold Mine	34.703333	-83.670000	White	Surface	Past Producer	Gold
0133110007	Conley Vein	34.704722	-83.733333	White	Unknown	Exp Prospect	Gold
0133110008	Henderson Property	34.700000	-83.768611	White	Unknown	Raw Prospect	Gold
0133110009	Reynolds Vein	34.680833	-83.738056	White	Unknown	Exp Prospect	Gold
0133110010	Thompson Vein	34.663333	-83.736111	White	Unknown	Exp Prospect	Gold
0133110011	White Co Mine	34.664167	-83.724167	White	Surf-Underg	Past Producer	Gold
0133110012	Glen Comyn Gold Mine	34.746389	-83.688056	White	Placer	Past Producer	Gold
0133110013	Lymsden Property	34.498611	-83.681111	White	Placer	Past Producer	Gold
0133110014	Mcneer Placers	34.677222	-83.699167	White	Placer	Past Producer	Gold
			Chestatee River				
0131870001	Crisson Mine	34.557222	-83.966944	Lumpkin	Surf-Underg	Past Producer	Gold
0131870002	Calhoun Mine	34.491944	-83.982222	Lumpkin	Surface	Temp Shutdown	Gold
0131870003	Colwell Quarry	34.539167	-83.936389	Lumpkin	Surface	Producer	Stone granite Cb
0131870004	Chestatee Mine	34.546111	-83.883611	Lumpkin	Underground	Past Producer	Sulfur pyrite copper sulfide zincsulfide
0131870005	Crown Mountain Mine	34.522778	-83.985000	Lumpkin	Surf-Underg	Past Producer	Gold
0131870006	Bowen Lot	34.524722	-83.988889	Lumpkin	Surf-Underg	Devel Deposit	Gold
0131870007	Capps Mine	34.526389	-83.993056	Lumpkin	Surface	Past Producer	Gold
0131870008	Columbia Mine	34.522778	-83.979722	Lumpkin	Surface	Past Producer	Gold silver
0131870009	Preacher Mine	34.522778	-83.976111	Lumpkin	Surf-Underg	Past Producer	Gold
0131870010	Griscom Mine	34.524167	-83.971944	Lumpkin	Surf-Underg	Past Producer	Gold
0131870011	Bast Mine	34.524167	-83.968889	Lumpkin	Surface	Past Producer	Gold
0131870013	Lockhart Mine	34.528611	-83.962222	Lumpkin	Surf-Underg	Past Producer	Gold
0131870014	Singleton Mine	34.535833	-83.967500	Lumpkin	Surf-Underg	Past Producer	Gold
0131870015	Tahloneka Mine	34.538333	-83.965000	Lumpkin	Surf-Underg	Past Producer	Gold
0131870016	Hand Mine	34.536389	-83.969444	Lumpkin	Surface	Past Producer	Gold

Table H-2
Mine Locations

Identification Number	Facility Name	Latitude	Longitude	County	Type	Status	Compound Mined
0131870017	Yahoola Mine	34.541667	-83.970556	Lumpkin	Surface	Past Producer	Gold
0131870018	Mary Henry Mine	34.545278	-83.972778	Lumpkin	Underground	Past Producer	Gold
0131870019	Free Jim Mine	34.534722	-83.972500	Lumpkin	Surf-Underg	Past Producer	Gold
0131870020	Lawrence Mine	34.540556	-83.981111	Lumpkin	Underground	Past Producer	Gold
0131870021	Rider Mine	34.542222	-83.998056	Lumpkin	Underground	Past Producer	Gold
0131870022	Fish Trap Mine	34.523611	-83.987500	Lumpkin	Surf-Underg	Past Producer	Gold
0131870023	Ivey Mine	34.529722	-83.998889	Lumpkin	Surface	Past Producer	Gold
0131870024	Gordon Mine	34.526389	-84.012778	Lumpkin	Surf-Underg	Past Producer	Gold
0131870026	Ralston Mine	34.569444	-84.021111	Lumpkin	Surface	Past Producer	Gold
0131870031	Norrell Mine	34.463333	-84.011667	Lumpkin	Surf-Underg	Past Producer	Gold
0131870032	Turkey Hill Mine	34.485278	-83.991111	Lumpkin	Surf-Underg	Past Producer	Gold
0131870033	Chestatee Mine	34.502222	-83.959444	Lumpkin	Surf-Underg	Past Producer	Gold
0131870034	Cavender Creek Prospect	34.570556	-83.912222	Lumpkin	Unknown	Exp Prospect	Gold
0131870035	Jumbo Mine	34.575833	-83.910278	Lumpkin	Surf-Underg	Past Producer	Gold
0131870036	Cora Lee Prospect	34.565556	-83.913889	Lumpkin	Unknown	Exp Prospect	Gold
0131870037	Garnet Mine	34.584167	-83.895556	Lumpkin	Surface	Past Producer	Gold
0131870038	Boly Field Mine	34.521944	-83.942778	Lumpkin	Surf-Underg	Past Producer	Gold
0131870039	Dry Hollow Mine	34.509167	-83.948611	Lumpkin	Surf-Underg	Past Producer	Gold
0131870040	Old Columbia Mine	34.514167	-83.966111	Lumpkin	Surface	Past Producer	Gold
0131870041	Belle Mine	34.456111	-84.007222	Lumpkin	Surface	Past Producer	Gold
0131870046	Briar Patch Mine	34.489722	-83.995278	Lumpkin	Surface	Past Producer	Gold
0131870047	Mcafee-Lynn Mine	34.491389	-83.999722	Lumpkin	Surface	Past Producer	Gold
0131870048	Beers Mine	34.520556	-83.940278	Lumpkin	Surf-Underg	Past Producer	Gold
0131870049	C M Moore Estate Prospect	34.580278	-84.014167	Lumpkin	Unknown	Exp Prospect	Iron
0131870050	Fields Quarry	34.537222	-83.940556	Lumpkin	Surface	Producer	Stone limestone Cb
0131870051	Chestatee Pyrite Mine	34.598889	-83.881667	Lumpkin	Unknown	Exp Prospect	Sulfur pyrite iron
0131870054	Arnold Consolidated Gold Mines	34.537222	-83.968333	Lumpkin	Surf-Underg	Past Producer	Gold
0131870057	Boyds Mine	34.554722	-83.953889	Lumpkin	Surf-Underg	Past Producer	Gold
0131870058	Consolidated Mine	34.538056	-83.970556	Lumpkin	Surf-Underg	Past Producer	Gold
0131870062	Findley Mine	34.525278	-83.966944	Lumpkin	Surf-Underg	Past Producer	Gold
0131870063	Barlow Mine	34.509444	-84.009444	Lumpkin	Surf-Underg	Past Producer	Gold
0131870064	Crown Mountain	34.509722	-83.980278	Lumpkin	Placer	Past Producer	Gold
0450730012	Unnamed Mica Prospect	34.604167	-83.981389	Oconee	Unknown	Exp Prospect	Mica
			West Fork Little River				
0131390004	Merck Mine	34.371111	-83.871667	Hall	Surf-Underg	Past Producer	Mica