

PREFACE: *The Sparta Groundwater Conservation District Commission does not have a legislatively enacted revenue stream, but rather relies on the voluntary contributions of interested parties; therefore, it has no personnel resources with which to comply with the mandates of Act 425. This November 2017 Compliance Report was compiled and drafted by volunteer Commissioners and thus may have data omissions or not be as comprehensive as Act 425 requires.*

November 2017 Act 425 Compliance Report
From the
SPARTA GROUNDWATER CONSERVATION DISTRICT COMMISSION

Decades-long declining Sparta Aquifer water levels led the Louisiana Legislature, in 1999, to establish the Sparta Groundwater Conservation District Commission. The Commission's mission statement states: *The guiding purpose and primary objective of the Sparta Groundwater Conservation District Commission is to conserve, protect, restore, and maintain the Sparta Formation Aquifer as a continuing source of high quality, potable water for current and future consumers by promoting conservation measures and the development of alternate sources of fresh water, pursuant to the authority and responsibility granted by the State of Louisiana.*

The Commission has one part-time paid associate. As Education Coordinator, her contract with the Sparta Commission is paid with funds contributed by supporters for preservation of the Sparta. 2017 was the seventh consecutive year in which the Groundwater Commission has obtained funding for WaterFest Conservation Awareness Programs. These WaterFests are the prime focus toward accomplishing our mission of promoting conservation measures

It is the goal of the Commission to teach water conservation to each fifth grader within the Commission's service area. For a school district to participate in such an activity, a significant commitment on the part of the school is required. The school district allows the children to be dismissed from a regular day of class and assumes the responsibility of transporting the children to and from a location suitable for staging such an event.

A. Members of the Sparta Groundwater Commission are as follows:

Tammy Singleton (Bienville)	Dwayne R. Woodard (Claiborne)
W. Lynn Treadway (Jackson)	Lindsey Vincent (Lincoln)
Hon. Samuel Little (Morehouse)	Jack Clampit (Ouachita)
Jerry Taylor (Union)	Nick Cox (Webster)
TBA (Winn)	TBA (Rotating (Caldwell))
TBA (Arcadia)	TBA (Homer)
TBA (Jonesboro)	Rick Buckner (Minden)
Zack Spivey (Ruston)	Terry Emory (W. Monroe)
Ann Marie Anderson (Agriculture)	Charles Hughes (Wood Products)
Jackie Perritt (Other Industries)	

Bossier, Caddo, Caldwell, LaSalle, Natchitoches, Richland and Sabine Parishes have a commissioner serving a one year term on a rotating basis. This position has been filled infrequently because of delays in nominating and appointing a commissioner for the rotating seats.

Office of Conservation

NOV 01 2017

Environmental Division

- B. The Commission did meet twice during the reporting period as required by law. The minutes of these meetings are included in appendix 1.
- C. During the six month period January 2017 through June 2017 the Sparta Groundwater Commission applied for and received one grant from the U. S Forestry Commission to be used to finance WaterFests. No other agreements or contracts were obtained during this period.
- D. The Sparta Groundwater Commission has no funding to contract for saltwater intrusion into the aquifer. No such information is available for the six months period covered by this report. The Sparta Groundwater commission has no funding to contract for scientific investigations. No investigations have been funded or completed during the period covered by this report. Other agencies have ongoing projects to replace or supplement water withdrawn from the Sparta.
- a. The Union Lincoln Initiative is a project funded by grants and Ruston, Lincoln Parish, Farmerville and Union Parish to establish a water treatment plant on Lake D'arbonne to supply water in Phase 1 to Union Parish and in Phase 2 to Lincoln Parish. To date, the two cities and two parishes have spent over \$1,700,000 on engineering fees and other items to develop the water plant. Cost estimates to complete are \$35,000,000 for phase 1 and \$65,000,000 for phase 2. The Union-Lincoln Initiative could supply around 6 million gallons per day.
 - b. A project in the Webster-Minden area is being considered. The project concept is to 1) clean and expand pits where sand has been excavate. The idea is to enhance Sparta recharge and to 2) build as series of lakes on Dorcheat to provide water supply for Bossier Parish and towns within Bossier Parish. No work has been done to date as the project is still in the conceptual stage.
 - c. The Ouachita Parish Sewer District has the capability to provide around 1.5 million gallons per day to be treated for use as industrial water. The Ouachita Parish Police Jury is seeking state funds for this project.
 - d. The City of Ruston discharges around 3 million gallons per day in treated effluent for the City's sewer treatment plan. The concept is to construct a pipeline to an industry and treat the water for industrial use. No funds have been expended. This project is still in the conceptual stage
- E. The Sparta Groundwater Commission does not have the authority or resources to collect data on the volume of out of state sales by entities located within the State of Louisiana. The Sparta Aquifer is extensive. It underlies parts of Louisiana, Mississippi, Arkansas and Tennessee. (See appendix 2). The Sparta is a major source of water for Eldorado and Union County, Arkansas. Memphis and the State of Mississippi have an ongoing dispute over use of water from the Sparta Aquifer (Alan B. Cameron – A Study in Transboundary Groundwater Dispute Resolution, 2009 Symposium.) Although the use of water from the Sparta by out of state entities is beyond the authority of Louisiana to regulate, it can be, and in the case of Union County, Arkansas, is of greater concern than water sales to commercial bottlers of water for use as a beverage.

Office of Conservation

NOV 01 2017

Environmental Division

F. As stated in the above **PREFACE**, the Sparta Groundwater Conservation District Commission did not collect any data on the amount of water used for residential, commercial or industrial or agricultural purposes during the period January 2017 through June 2017 as required by Act 425. The Sparta Groundwater Commission has neither the staff nor financial assets required to collect this data. Some of the data required by this act is collected by the Louisiana Department of Natural Resources, Department of Conservation under Order AGC-1-05 dated August 15, 2005. The Louisiana Rural Water Association collected data on the use of water from the Sparta Aquifer during 2009-2010. This information is included in appendix 2

Office of Conservation

NOV 01 2017

Environmental Division

APPENDIX I

Office of Conservation

NOV 01 2017

Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
COMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
1	Parish	System Name	Source	Master Meter	# of Sources	Connections	Customers Metered
2	Bienville	Alberta Water System	G	NO	4	608	608
3	Bienville	Arcadia, Town of	G	3 all metered	1	1400	YES
4	Bienville	Bienville Water System	G	YES	1	400	YES
5	Bienville	Bryceland	G	2 not metered	1	84	YES
6	Bienville	Castor, Village of	G	YES	1	150	150
7	Bienville	Edwards Millcreek W/S	P	YES	1	31	YES
8	Bienville	Friendship Water System Inc.	G	YES	2	258	258
9	Bienville	Gibbsland	G	Y-3 wells	3	560	YES
10	Bienville	Jamestown-Fryebury Water System	G	YES	2	200	200
11	Bienville	Lucky Water System Inc.	G	NO		6	105
12	Bienville	Mount Lebanon Water System	G	NO	1	50	YES
13	Bienville	Ringgold Water Works	G	YES	4	1000	730
14	Bienville	Saline, Village of	G	YES	2	135	YES
15	Bienville	Sandhill-Mt. Olive Water System	G	YES	2	221	218
16	Bienville	South Bienville Water System	G	2 wells, 1 meter	2	120	YES
17	Bienville/Webster	Cypress Water System-CALLED IN INFO	G	YES	2	250	YES
18	Metered---12						
19					Non-Metered---4	Total Sources	Total Connections
20	Bienville Totals				Total-----16	29	5473
21	Bossier	Benton, Town of	P	NO	2	2127	2127
22	Bossier	Bossier Water Plant, City of	S & P	YES	2	23755	23755
23	Bossier	CBB Water System Inc.	S & P		1	1389	1389
24	Bossier	Haughton, Town of	G	N/A	7	1424	1424
25	Bossier	Highland Utilities	G	YES	1	204	5-commercial
26	Bossier	Plain Dealing, Town of	G	YES	3	927	927
27	Bossier	Shigo Water System	G & P	YES	3	700	ALL
28	Bossier	Village Water System	G	YES	14	3310	3310
29	Metered---5						
30					Non-Metered---1	Total Sources	Total Connections
31	Bossier Totals				Total-----6	33	33,836

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
COMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
32	Caddo	Bel Di Gil Water System Inc.	G	YES		300	YES
33	Caddo	Blanchard, Town of	S	YES		3980	YES
34	Caddo	East Mooringsport Water System	S	YES		98	YES
35	Caddo	Greenwood, Town of	G & S	YES		1672	YES
36	Caddo	Hosston Mira Water System	G	YES		273	YES
37	Caddo	Ida Water Systems	G	YES		169	YES
38	Caddo	Lakeview Waterworks Dist.	P	YES		700	YES
39	Caddo	Mooringsport	S	YES		360	YES
40	Caddo	Pine Hill Water Works	G & P-34,540,000	YES		1500	1500
41	Caddo	Rodessa, Village of	G	YES		133	YES
42	Caddo	Shreveport, City of	S	YES		68,200	YES
43	Caddo	Vivian	G & S	YES		1494	1494
44	Caddo	Waterworks District #7	G	YES		1700	YES-1621
45	Metered---13						
46	Non-Metered--- Total Sources Total Connections						
47	Caddo Totals			Total-----13	32	80,579	
48	Claiborne	Athews, Village of	G	YES		160	YES
49	Claiborne	Central Claiborne Water System	G	YES		987	YES
50	Claiborne	Haynesville, Town of	G	YES		1500	YES
51	Claiborne	Homer, Town of	G	YES		2890	YES
52	Claiborne	Leatherman Creek Water System	G	YES		178	122
53	Claiborne	Lisbon Water System, Village of	G		1	152	YES
54	Metered---6						
55	Non-Metered--- Total Sources Total Connections						
56	Claiborne Totals			Total-----6	13	5,867	
57	DeSoto	Logansport	S	YES		950	YES
58	DeSoto	North DeSoto Water	G	YES		1500	YES
59	DeSoto	Rambin-Wallace W/S	G	YES		373	YES
60	DeSoto	South Mansfield, Village of	G	YES		358	YES
61	DeSoto	Waterworks Dist #1 of DeSoto	S			1800	YES
62	Metered---4						
63	Non-Metered--- Total Sources Total Connections						
64	DeSoto Totals			Total-----4	15	4,981	
65	Jackson	Eros Water System	G	YES		118	YES
66	Jackson	Walker Community Water System	G	YES		92	YES
67	Metered---2						
68	Non-Metered--- Total Sources Total Connections						
69	Jackson Totals			Total-----2	4	210	

Office of Conservation
NOV 01 2017
Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
COMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
70	Lincoln	Culbertson Water System Inc.	G	2-metered; 1-backup not	3	1004	YES
71	Lincoln	Dubach, Town of	G	YES	3	398	YES
72	Lincoln	Fellowship Wate System	G	1-metered; 1-not	2	225	YES
73	Lincoln	Greater Ward One Waterworks	G	YES	3	1200	YES
74	Lincoln	Hico Water System Inc.	G	YES	4	530	YES
75	Lincoln	Hilly-Greenwood Water System Inc.	G	2-metered; 1-not	3	430	YES
76	Lincoln	Lincoln Parish Waterworks Dist #1	G	YES	2	177	YES
77	Lincoln	Mt. Zion Water System	G	YES	3	515	YES
78	Lincoln	Ruston, City of	G	YES	9	8000	YES
79	Lincoln	Simsboro, Village of	G	YES	3	398	YES
80	Lincoln	Water Works District #3	G	YES	3	817	YES
81	Lincoln	Waterworks District #2	P	YES	1	230	YES
82	Metered---12						
83					Total Sources	Total Connections	
84	Lincoln Totals			Non-Metered---3			
				Total-----15	39	13,924	
85	Natchitoches	Chee-Chee Bay Water System	G	YES	2	180	YES
86	Natchitoches	Goldonna, Village of	G	YES	3	120	YES
87	Natchitoches	Robeline-Marthaville	G	YES	2	492	YES
88	Natchitoches	Sandy-Point 480 Water System	S	YES	1	215	YES
89	Metered---4						
90					Total Sources	Total Connections	
91	Natchitoches Totals			Non-Metered---			
				Total-----4	8	1,007	
92	Ouachita	Calhoun Water System Inc	G	YES	2	385	365
93	Ouachita	Cheniere-Drew Water System	G	YES	1	3587	3587
94	Ouachita	Indian Village Water System	G	YES	3	628	YES-628
95	Ouachita	Lans MHP Water System	G	YES	1	89	YES
96	Ouachita	Southwest Ouachita Water Works Inc.	G		7	3004	YES
97	Metered---4						
98					Total Sources	Total Connections	
99	Ouachita Totals			Non-Metered---			
				Total-----4	14	7,693	

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
COMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
100	Red River	Edgefield Water System	G	NO		2	125 YES
101	Red River	Fairview-Union Water System	S & P	YES		1	685 YES
102	Red River	Hall Summitt, Village of	G	YES		3	255 YES
103	Red River	Hickory Grove	G & P	YES		4	200 YES
104	Red River	Martin Water System	G	YES		3	560 YES
105	Red River	Social Springs Water System	G	YES		2	220 YES
106	Metered---5						
107				Non-Metered---1	Total Sources	Total Connections	
108	Red River Totals			Total-----6	15	2,045	
109	Sabine	Converse, Village of	G	Yes		3	184 Yes
110	Sabine	Ebarb Water Dist #1	G, S & P	YES		3	2414 YES
111	Sabine	Florien, Village of	G	YES		2	392 392
112	Sabine	Many, Town of	G & S	YES		5	1489 YES
113	Sabine	Pendleton Water Assoc	S	YES		1	670 YES
114	Sabine	Pleasant Hill, Village of	G	YES (100)		5	340 YES
115	Sabine	Sabine Parish W/D #1	G & P	YES		1	1468 YES
116	Sabine	S. Toledo Bend Water Dist.	S	YES		1	2260 YES
117	Sabine	Zwolle, Town of	G	YES		6	753 753
118	Metered---9						
119				Non-Metered---	Total Sources	Total Connections	
120	Sabine Totals			Total-----9	27	9,970	
121	Union	Farmerville, Town of	G	NO		8	YES
122	Union	Junction City	G	YES		2	276 YES
123	Union	Marion Water System, Town of	G	NO		2	308 YES
124	Union/Claiborne	D'Arbonne Water System North/South	G	YES		2	2664 2062
125	Metered---2						
126				Non-Metered---2	Total Sources	Total Connections	
127	Union Totals			Total-----4	14	3,248	

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
COMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
128	Webster	Dixie Inn Water System	G	1-WELL	3	150	YES
129	Webster	Doyline Waterworks District #1	G	YES	6	342	YES
130	Webster	Dubberly Water System, Village of	G	3-WELLS; 2- MASTER METER	1	391	YES
131	Webster	Gilark Water System Inc.	G	YES (out-in & out)	3	206	YES
132	Webster	GWSI	G	YES	3	206	YES
133	Webster	Sibley, Town of	G	YES	3	620	YES
134	Webster	Springhill, City of	G	YES	1	2600	YES
135	Metered---7						
136					Total Sources	Total Connections	
137	Webster Totals		Non-Metered--- Total-----7		20	4,515	
138	Winn	Dodson, Village of	G	YES	2	203	203
139	Winn	Hudson-Gaars Mill Water System	G	NO	1	222	YES
140	Winn	Hwy 84 West Water System Inc.	G	YES	2	75	YES
141	Winn	Pleasant Hill-Crossroads W/S	G	YES	2	220	YES
142	Winn	Sikes Water System, Village of	G	YES	2	78	YES
143	Winn	Tannehill Water System	G	NO	2	750	600
144	Winn	West Winn Water System Inc.	G	YES	5	740	YES
145	Winn	Wheeling Water System Inc.	G	NO	2	150	130
146	Metered---5						
147					Total Sources	Total Connections	
148	Winn Totals		Non-Metered---3 Total-----8		18	2,438	
149							
150							
151	Metered---90						
152					Total Sources	Total Connections	
153	Overall Totals		Non-Metered---73 Total-----104		281	175,786	0
154							

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
INCOMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
1	Parish	System Name	Source	Master Meter	# of Sources	Connections	Customers Metered
2	Bienville	Alabama Water System	G	No	0	310	310
3	Bienville	Bonnie & Clyde Trade Days	G/ P-1well	NO		500	0
4	Bienville	Castor, Village of	G	YES	1	150	150
5	Metered---1						
6				Non-Metered---2	Total Sources	Total Connections	
7	Bienville Totals			Total-----3	1	960	
8	Bossier	Bodcau Water Works	G	NO	3	58	NONE
9	Bossier	Bossier Parish Penal Farm					
10	Bossier	Bossier Parish School Board					
11	Bossier	Central Bossier Water System Inc	G	YES	4	310	304
12	Bossier	City Water	P				
13	Bossier	Country Place Utilities	P	YES	1	396	396
14	Bossier	Foster Trailer Park Water System					
15	Bossier	Hillcrest MHP Water System	G	N	1	40	NO
16	Bossier	J & N Mobile Home Park	G	NO	2		No
17	Bossier	Parksdale Airforce Base					
18	Bossier	Pinecreek Estates MHP					
19	Bossier	Red Chute Utilities	G	NO	2	1170	1170
20	Bossier	South Bossier	G	NO	2	500	485
21	Bossier	Southgate MH Water System					
22	Bossier	St. Mary Community Water System	G	YES	2	119	106
23	Bossier	Webster Speedway Water System/Champion Park Speedway					
24	Bossier	Winnwood Subdivision Sewer Dist					
25	Metered---4						
26				Non-Metered---5	Total Sources	Total Connections	
27	Bossier Totals			Total-----9	17	2,593	

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
INCOMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
28	Caddo	Autumn Acres Mobile Park	G	NO		1	56 NO
29	Caddo	Barron Ridge	G	NO		1	48 YES
30	Caddo	Bi 6 Oaks	G	NO		2	42 YES
31	Caddo	Blanchard MH Villa	G & P			2	100 NO
32	Caddo	Camp Bethany	G	NO		3	21 N/A
33	Caddo	Chimp Haven	G & P	YES		2	3 N/A
34	Caddo	Colworth Place	G	NO		1	43 YES
35	Caddo	Denny Drive	G	NO		1	18 all but 4
36	Caddo	Eagle Water	G	NO		4	633 YES
37	Caddo	East Cove Water System	S	NO		1	170 YES
38	Caddo	Forcht Wade Correctional Center	G	YES		2	36
39	Caddo	Four Forks Water System					
40	Caddo	Hosston Village					
41	Caddo	Hosston-Mira					
42	Caddo	Linda Lane	G	NO		2	50 YES
43	Caddo	Meadowwoods	G	NO		2	52 YES
44	Caddo	Oil City Water System					
45	Caddo	Silent Cedars MHP					
46	Caddo	Southview Estate MHP					
47	Caddo	Springlake MHP	G	NO		3	145 YES
48	Caddo	Wildwood Forest	G	NO		2	149 YES
49	Metered---2						
50				Non-Metered---12	Total Sources	Total Connections	
51	Caddo Totals			Total-----14	28	1,510	
52	Claiborne	Middle Fork Water	G	NO		2	150 YES
53	Claiborne	Norton-Shop Water System	G	NO		2	120 YES
54	Claiborne	Pinehill Water System	G	NO		2	245 YES
55	Claiborne	Summerfield Water	G	YES		4	444 YES
56	Claiborne	Ward 9-Claiborne	G	NO		2	162 YES
57	Metered---1						
58				Non-Metered---4	Total Sources	Total Connections	
59	Claiborne Totals			Total-----5	12	1,121	

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
INCOMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
60	DeSoto	Grand Cane	G	YES, but broken	2	200	YES
61	DeSoto	Keatchie Water System Inc.	G	Master meter @ 7 stations	11	1200	YES
62	DeSoto	Mansfield, City of	G & S	YES	5	3708	2761
63	Metered---4						
64				Non-Metered---	Total Sources	Total Connections	
65	DeSoto Totals			Total-----4	18	5,108	
66	Jackson	Hodge, Village of	G	NO	2	285	NONE
67	Jackson	Jimmie Davis State Park	P				
68	Jackson	McDonald Community Water System	G	NO	2	224	YES
69	Jackson	Quitman Water System	G	YES	2	205	YES
70	Jackson	Shady Grove Community Water	G	YES	1	57	YES
71	Jackson	Southeast Hodge Water System Inc.	G	YES	1	44	39
72	Jackson	Spring Creek Water	G	NO	1	124	YES
73	Jackson/Caldwell	Vixon Water System	G	NO	2	634	YES
74	Metered---3						
75				Non-Metered---	Total Sources	Total Connections	
76	Jackson Totals			Total-----7	11	1,573	
77	Lincoln	Grambling St. university Water System	G	YES	3		NO
78	Lincoln	Grambling, City of	G	YES	3	1175	YES
79	Lincoln	Mineral Springs Water System	G	NO	2	280	YES
80	Lincoln	Mt. Olive Waterworks Dist	G	NO	1	300	YES
81	Lincoln	Village Green MHP	P-Greater Ward 1				
82	Lincoln	Wesley Chapel Water System	G	In process of metering all wells	5	1081	YES
83	Metered---2						
84				Non-Metered---	Total Sources	Total Connections	
85	Lincoln Totals			Total-----4	14	2,836	

Office of Conservation
NOV 01 2017
Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
INCOMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G
86	Morehouse	Bonita Water	G	1 master meter for both	2	188	YES
87	Metered---1						
88					Total Sources	Total Connections	
89	Morehouse Totals			Total-----1	2	188	
90	Natchitoches	Chestnut-Readhimer	G & P	NO	2	250	YES
91	Natchitoches	Creston Water System	G	NO	6	300	YES
92	Natchitoches	Powhatan, Village of	G	NO	3	230	YES
93	Metered---						
94					Total Sources	Total Connections	
95	Natchitoches Totals			Non-Metered---3	Total-----3	11	780
96	Ouachita	Frost, Town Water System	G	YES	3	538	470
97	Ouachita	Hickory Bend Water System	G	NO	1	111	YES
98	Ouachita	Prairie Road Water District	G	YES	2	800	YES
99	Ouachita	Sike Water System	G	NO	1	23	NO
100	Ouachita	Swayback Water Well Assoc.	G	NO	1	14	NO
101	Ouachita	Western Utilities Inc.	G	NO	3	267	YES
102	Metered---3						
103					Total Sources	Total Connections	
104	Ouachita Totals			Non-Metered---4	Total-----7	11	1,753
105	Red River	East Cross Water System	G	NO	3	160	YES
106	Red River	Halfway-Carroll Water System	G	NO	1	160	YES
107	Metered---						
108					Total Sources	Total Connections	
109	Red River Totals			Non-Metered---2	Total-----2	4	320
110	Sabine	A -1 Camp Ground	G		1	1	NO
111	Sabine	Belmont Water System	G	NO			Yes
112	Sabine	Big - Bass Marine	P	NO		1	No
113	Sabine	B & M Enterprize		NO			No
114	Sabine	Cazalots Crove Water		NO			No
115	Sabine	Choctaw Apuche Community	N/A	NO		1	Yes
116	Sabine	Ebarb High School	P	NO		5	Yes
117	Sabine	Fisher Water System	G	NO	2	100	YES
118	Sabine	Lake Front Grocrey, Landry & Rental		NO		1	No
119	Sabine	Lakeview Lodge Water		NO			No
120	Sabine	Noble, Village of					
121	Sabine	South Toleda Bend State Park (Bill C.)					
122	Sabine	Union Spring Water System	G	Yes	2	425	Yes
123	Metered---1						
124					Total Sources	Total Connections	
125	Sabine Totals			Non-Metered---10	Total-----11	5	534

*Office of Conservation
NOV 01 2017
Environmental Division*

SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
INCOMPLETE SYSTEM DATA

	A	B	C	D	E	F	G
126	Union	Concord Water System	G	NO	1	140	YES
127	Union	Downsville Water System	G	NO	3	84	YES

Office of Conservation
NOV 01 2017
Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
INCOMPLETE SYSTEM DATA**

	A	B	C	D	E	F	G		
128	Union	Holmesville Water System Inc.	G & P	YES		4	678	678	
129	Union	Litroe Water System	G	NO		2	127	YES	
130	Union	Point Wilhite Water System	G	NO		2	700	YES	
131	Union	Randolph Water System	G	NO		2	85	YES	
132	Union	Rocky Branch Waterworks		YES		4	485	485	
133	Union	Tri-Water System Inc.	G	NO		4	425	425	
134	Union	Wards Chapel Water System	G	NO		3	475	YES	
135	Union	West Sterlington Water System Inc.	G	NO		2	300	YES	
136	Metered---2								
137				Non-Metered---5	Total Sources	Total Connections			
138	Union Totals			Total-----7	23	3,275			
139	Webster	Cullen, Town of	G	YES		1	560	YES	
140	Webster	Doyline, Village of	No Water Sys; WW Only						
141	Webster	Horseshoe Road Water Sys	G	YES		2	100	YES	
142	Webster	International Paper	P-Cullen; 9,266,000	NO					
143	Webster	Leton Water System	G	NO		1		160	
144	Webster	Camp Minden Training Site	G	Yes		2			
145	Webster	Palmetto Water Works Inc.	G	YES		2	103	YES	
146	Webster	Salt Water	G	NO		1	200	200	
147	Webster	Sparepta Waterworks Dist	G			3	500	YES	
148	Webster	Thomasville Water System	G			2	103	YES	
149	Webster	Union Grove Water System	G	NO		2	150	YES	
150	Metered---4								
151				Non-Metered---4	Total Sources	Total Connections			
152	Webster Totals			Total-----8	16	1,716			
153	Winn	Calvin, Village of	G			2	175	YES	
154	Winn	Winnfield, City of	G	YES		4	2730	YES	
155	Metered---1								
156				Non-Metered---	Total Sources	Total Connections			
157	Winn Totals			Total-----1	6	2,905			
158									
159									
160	Metered---29								
161				Non-Metered---57	Total Sources	Total Connections			
162	Overall Totals			Total-----86	179	27,172			

Office of Conservation
NOV 01 2017
Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G
1	Parish	System Name	Source	Master Meter	# of Sources	Connections	Customers Metered
2	Bienville	Alabama Water System	G	No	0	310	310
3	Bienville	Alberta Water System	G	NO	4	608	6
4	Bienville	Arcadia, Town of	G	3 all metered	1	1400	YES
5	Bienville	Bienville Water System	G	YES	1	400	YES
6	Bienville	Bonnie & Clyde Trade Days	G/ P-1well	NO		500	
7	Bienville	Bryceland	G	2 not metered	1	84	YES
8	Bienville	Castor, Village of	G	YES	1	150	1
9	Bienville	Edwards Millcreek W/S	P	YES	1	31	YES
10	Bienville	Friendship Water System Inc.	G	YES	2	258	2
11	Bienville	Gibsland	G	Y-3 wells	3	560	YES
12	Bienville	Jamestown-Fryebury Water System	G	YES	2	200	2
13	Bienville	Lucky Water System Inc.	G	NO		6	1
14	Bienville	Mount Lebanon Water System	G	NO	1	50	YES
15	Bienville	Ringgold Water Works	G	YES	4	1000	7
16	Bienville	Saline, Village of	G	YES	2	135	YES
17	Bienville	Sandhill-Mt. Olive Water System	G	YES	2	221	2
18	Bienville	South Bienville Water System	G	2 wells, 1 meter	2	120	YES
19	Bienville	Southern National Gas Bienville	G	NO	2	1	NONE
20	Bienville/Webster	Cypress Water System-CALLED IN INFO	G	YES	2	250	YES
21	Metered---16						
22					Non-Metered---7	Total Sources	Total Connections
23	Bienville Totals			Total-----23		31	6284

Office of Conservation

NOV 01 2017

Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G
24	Bossier	Benton, Town of	P	NO	2	2127	21
25	Bossier	Bodcau Water Works	G	NO	3	58	NONE
26	Bossier	Bossier Parish Penal Farm					
27	Bossier	Bossier Parish School Board					
28	Bossier	Bossier Water Plant, City of	S & P	YES	2	23755	237
29	Bossier	CBB Water System Inc.	S & P		1	1389	13
30	Bossier	Central Bossier Water System Inc	G	YES	4	310	3
31	Bossier	City Water	P				
32	Bossier	Country Place Utilities	P	YES	1	396	3
33	Bossier	Foster Trailer Park Water System					
34	Bossier	Haughton, Town of	G	N/A	7	1424	14
35	Bossier	Highland Utilities	G	YES	1	204	5-commercial
36	Bossier	Hillcrest MHP Water System	G	N	1	40	NO
37	Bossier	J & N Mobile Home Park	G	NO	2		No
38	Bossier	Parksdale Airforce Base					
39	Bossier	Pinecreek Estates MHP					
40	Bossier	Plain Dealing, Town of	G	YES	3	927	9
41	Bossier	Red Chute Utilities	G	NO	2	1170	11
42	Bossier	Shigo Water System	G & P	YES	3	700	ALL
43	Bossier	South Bossier	G	NO	2	500	4
44	Bossier	Southgate MH Water System					
45	Bossier	St. Mary Community Water System	G	YES	2	119	1
46	Bossier	Village Water System	G	YES	14	3310	33
47	Bossier	Webster Speedway Water System/Champion Park Speedway					
48	Bossier	Winnwood Subdivision Sewer Dist					
49	Metered---8						
50	Non-Metered---6						
51	Bossier Totals						
					Total Sources	Total Connections	
					Total-----14	50	36,429

Office of Conservation
NOV 01 2017
Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G
52	Caddo	Autumn Acres Mobile Park	G	NO		1	56 NO
53	Caddo	Barron Ridge	G	NO		1	48 YES
54	Caddo	Bel Di Gil Water System Inc.	G	YES		3	300 YES
55	Caddo	Bi 6 Oaks	G	NO		2	42 YES
56	Caddo	Blanchard MH Villa	G & P			2	100 NO
57	Caddo	Blanchard, Town of	S	YES		1	3980 YES
58	Caddo	Camp Bethany	G	NO		3	21 N/A
59	Caddo	Chimp Haven	G & P	YES		2	3 N/A
60	Caddo	Colworth Place	G	NO		1	43 YES
61	Caddo	Denny Drive	G	NO		1	18 all but 4
62	Caddo	Eagle Water	G	NO		4	633 YES
63	Caddo	East Cove Water System	S	NO		1	170 YES
64	Caddo	East Mooringsport Water System	S	YES		1	98 YES
65	Caddo	Forcht Wade Correctional Center	G	YES		2	36
66	Caddo	Four Forks Water System					
67	Caddo	Greenwood, Town of	G & S	YES		2	1672 YES
68	Caddo	Hosston Mira Water System	G	YES		3	273 YES
69	Caddo	Hosston Village					
70	Caddo	Hosston-Mira					
71	Caddo	Ida Water Systems	G	YES		1	169 YES
72	Caddo	Lakeview Waterworks Dist.	P	YES		1	700 YES
73	Caddo	Linda Lane	G	NO		2	50 YES
74	Caddo	Meadowwoods	G	NO		2	52 YES
75	Caddo	Mooringsport	S	YES		1	360 YES
76	Caddo	Oil City Water System					
77	Caddo	Pine Hill Water Works	G & P-34,540,000	YES		6	1500 15
78	Caddo	Rodessa, Village of	G	YES		1	133 YES
79	Caddo	Shreveport, City of	S	YES		2	68,200 YES
80	Caddo	Silent Cedars MHP					
81	Caddo	Southview Estate MHP					
82	Caddo	Springlake MHP	G	NO		3	145 YES
83	Caddo	Vivian	G & S	YES		2	1494 14
84	Caddo	Waterworks District #7	G	YES		8	1700 YES-1621
85	Caddo	Wildwood Forest	G	NO		2	149 YES
86	Metered---15						
87	Non-Metered---12						
88	Caddo Totals				Total Sources	Total Connections	
					61	82145	

Office of Conservation

NOV 01 2017

Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G
89	Claiborne	Athews, Village of	G	YES		1	160 YES
90	Claiborne	Central Claiborne Water System	G	YES		3	987 YES
91	Claiborne	Haynesville, Town of	G	YES		3	1500 YES
92	Claiborne	Homer, Town of	G	YES		3	2890 YES
93	Claiborne	Leatherman Creek Water System	G	YES		2	178
94	Claiborne	Lisbon Water System, Village of	G		1	1	152 YES
95	Claiborne	Middle Fork Water	G	NO		2	150 YES
96	Claiborne	Norton-Shop Water System	G	NO		2	120 YES
97	Claiborne	Pinehill Water System	G	NO		2	245 YES
98	Claiborne	Summerfield Water	G	YES		4	444 YES
99	Claiborne	Ward 9-Claiborne	G	NO		2	162 YES
100	Metered---7						
101				Non-Metered---4	Total Sources	Total Connections	
102	Claiborne Totals			Total-----11	25	6,988	
103	DeSoto	Grand Cane	G	YES, but broken		2	200 YES
104	DeSoto	Keatchie Water System Inc.	G	Master meter @ 7 stations		11	1200 YES
105	DeSoto	Logansport	S	YES		1	950 YES
106	DeSoto	Mansfield, City of	G & S	YES		5	3708
107	DeSoto	North DeSoto Water	G	YES		9	1500 YES
108	DeSoto	Rambin-Wallace W/S	G	YES		4	373 YES
109	DeSoto	South Mansfield, Village of	G	YES			358 YES
110	DeSoto	Waterworks Dist #1 of DeSoto	S			1	1800 YES
111	Metered---7						
112				Non-Metered---	Total Sources	Total Connections	
113	DeSoto Totals			Total-----7	33	10,089	
114	Jackson	Eros Water System	G	YES		2	118 YES
115	Jackson	Hodge, Village of	G	NO		2	285 NONE
116	Jackson	Jimmie Davis State Park	P				
117	Jackson	McDonald Community Water System	G	NO		2	224 YES
118	Jackson	Quitman Water System	G	YES		2	205 YES
119	Jackson	Shady Grove Community Water	G	YES		1	57 YES
120	Jackson	Southeast Hodge Water System Inc.	G	YES		1	44
121	Jackson	Spring Creek Water	G	NO		1	124 YES
122	Jackson	Walker Community Water System	G	YES		2	92 YES
123	Jackson/Caldwell	Vixon Water System	G	NO		2	634 YES
124	Metered---5						
125				Non-Metered---4	Total Sources	Total Connections	
126	Jackson Totals			Total-----9	15	1,783	

Office of Conservation

NOV 01 2017

Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G
127	Lincoln	Culbertson Water System Inc.	G	2-metered; 1-backup not	3	1004	YES
128	Lincoln	Dubach, Town of	G	YES	3	398	YES
129	Lincoln	Fellowship Wate System	G	1-metered; 1-not	2	225	YES
130	Lincoln	Grambling St. university Water System	G	YES	3		NO
131	Lincoln	Grambling, City of	G	YES	3	1175	YES
132	Lincoln	Greater Ward One Waterworks	G	YES	3	1200	YES
133	Lincoln	Hico Water System Inc.	G	YES	4	530	YES
134	Lincoln	Hilly-Greenwood Water System Inc.	G	2-metered; 1-not	3	430	YES
135	Lincoln	Lincoln Parish Waterworks Dist #1	G	YES	2	177	YES
136	Lincoln	Mineral Springs Water System	G	NO	2	280	YES
137	Lincoln	Mt. Olive Waterworks Dist	G	NO	1	300	YES
138	Lincoln	Mt. Zion Water System	G	YES	3	515	YES
139	Lincoln	Ruston, City of	G	YES	9	8000	YES
140	Lincoln	Simsboro, Village of	G	YES	3	398	YES
141	Lincoln	Village Green MHP	P-Greater Ward 1				
142	Lincoln	Water Works District #3	G	YES	3	817	YES
143	Lincoln	Waterworks District #2	P	YES	1	230	YES
144	Lincoln	Wesley Chapel Water System	G	In process of metering all wells	5	1081	YES
145					Metered---14		
146					Non-Metered---5	Total Sources	Total Connections
147	Lincoln Totals				Total-----19	53	16,760
148	Morehouse	Bonita Water	G	1 master meter for both	2	188	YES
149					Metered---1		
150					Non-Metered---	Total Sources	Total Connections
151	Morehouse Totals				Total-----1	2	188
152	Natchitoches	Chee-Chee Bay Water System	G	YES	2	180	YES
153	Natchitoches	Chestnut-Readhimer	G & P	NO	2	250	YES
154	Natchitoches	Creston Water System	G	NO	6	300	YES
155	Natchitoches	Goldonna, Village of	G	YES	3	120	YES
156	Natchitoches	Powhatan, Village of	G	NO	3	230	YES
157	Natchitoches	Robeline-Marthaville	G	YES	2	492	YES
158	Natchitoches	Sandy-Point 480 Water System	S	YES	1	215	YES
159					Metered---4		
160					Non-Metered---3	Total Sources	Total Connections
161	Natchitoches Totals				Total-----7	19	1,787

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G		
162	Ouachita	Calhoun Water System Inc	G	YES		2	385	3	
163	Ouachita	Cheniere-Drew Water System	G	YES		1	3587	35	
164	Ouachita	Frost, Town Water System	G	YES		3	538	4	
165	Ouachita	Hickory Bend Water System	G	NO		1	111	YES	
166	Ouachita	Indian Village Water System	G	YES		3	628	YES-628	
167	Ouachita	Lans MHP Water System	G	YES		1	89	YES	
168	Ouachita	Prairie Road Water District	G	YES		2	800	YES	
169	Ouachita	Sike Water System	G	NO		1	23	NO	
170	Ouachita	Southwest Ouachita Water Works Inc.	G			7	3004	YES	
171	Ouachita	Swayback Water Well Assoc.	G	NO		1	14	NO	
172	Ouachita	Western Utilities Inc.	G	NO		3	267	YES	
173	Metered---6								
174	Non-Metered---4							Total Sources	Total Connections
175	Ouachita Totals						Total-----10	25	9,446
176	Red River	East Cross Water System	G	NO		3	160	YES	
177	Red River	Edgefield Water System	G	NO		2	125	YES	
178	Red River	Fairview-Union Water System	S & P	YES		1	685	YES	
179	Red River	Halfway-Carroll Water System	G	NO		1	160	YES	
180	Red River	Hall Summitt, Village of	G	YES		3	255	YES	
181	Red River	Hickory Grove	G & P	YES		4	200	YES	
182	Red River	Martin Water System	G	YES		3	560	YES	
183	Red River	Social Springs Water System	G	YES		2	220	YES	
184	Metered---5								
185	Non-Metered---3							Total Sources	Total Connections
186	Red River Totals						Total-----8	19	2,365

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G
187	Sabine	A -1 Camp Ground	G			1	1 NO
188	Sabine	Belmont Water System	G	NO			Yes
189	Sabine	Big - Bass Marine	P	NO			1 No
190	Sabine	B & M Enterprize		NO			No
191	Sabine	Cazalots Crove Water		NO			No
192	Sabine	Choctaw Apuche Community	N/A	NO			1 Yes
193	Sabine	Converse, Village of	G	Yes		3	184 Yes
194	Sabine	Ebarb High School	P	NO			5 Yes
195	Sabine	Ebarb Water Dist #1	G, S & P	YES		3	2414 YES
196	Sabine	Fisher Water System	G	NO		2	100 YES
197	Sabine	Florien, Village of	G	YES		2	392
198	Sabine	Lake Front Grocrey, Landry & Rental		NO			1 No
199	Sabine	Lakeview Lodge Water		NO			No
200	Sabine	Many, Town of	G & S	YES		5	1489 YES
201	Sabine	Noble, Village of					
202	Sabine	Pendleton Water Assoc	S	YES		1	670 YES
203	Sabine	Pleasant Hill, Village of	G	YES (100)		5	340 YES
204	Sabine	Sabine Parish W/D #1	G & P	YES		1	1468 YES
205	Sabine	S. Toledo Bend Water Dist.	S	YES		1	2260 YES
206	Sabine	South Toleda Bend State Park (Bill C.)					
207	Sabine	Union Spring Water System	G	Yes		2	425 Yes
208	Sabine	Zwolle, Town of	G	YES		6	753
209	Metered---10						
210	Non-Metered---9						
211	Sabine Totals				Total Sources	Total Connections	
					Total-----19	32	10504

Office of Conservation

NOV 01 2017

Environmental Division

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G
212	Union	Concord Water System	G	NO		1	140 YES
213	Union	Downsville Water System	G	NO		3	84 YES
214	Union	Farmerville, Town of	G	NO		8	YES
215	Union	Holmesville Water System Inc.	G & P	YES		4	678
216	Union	Junction City	G	YES		2	276 YES
217	Union	Litroe Water System	G	NO		2	127 YES
218	Union	Marion Water System, Town of	G	NO		2	308 YES
219	Union	Point Wilhite Water System	G	NO		2	700 YES
220	Union	Randolph Water System	G	NO		2	85 YES
221	Union	Rocky Branch Waterworks		YES		4	485
222	Union	Tri-Water System Inc.	G	NO		4	425
223	Union	Wards Chapel Water System	G	NO		3	475 YES
224	Union	West Sterlington Water System Inc.	G	NO		2	300 YES
225	Union/Claiborne	D'Arbonne Water System North/South	G	YES		2	2664
226	Metered---4						
227	Non-Metered---10 Total Sources Total Connections						
228	Union Totals Total-----14 41 6,747						
229	Webster	Cullen, Town of	G	YES		1	560 YES
230	Webster	Dixie Inn Water System	G	1-WELL		3	150 YES
231	Webster	Doyline Waterworks District #1	G	YES		6	342 YES
232	Webster	Doyline, Village of		No Water Sys; WW Only			
233	Webster	Dubberly Water System, Village of	G	3-WELLS; 2-MASTER METER		1	391 YES
234	Webster	Gilark Water System Inc.	G	YES (out-in & out)		3	206 YES
235	Webster	GWSI	G	YES		3	206 YES
236	Webster	Horseshoe Road Water Sys	G	YES		2	100 YES
237	Webster	International Paper		P-Cullen; 9,266,000	NO		
238	Webster	Leton Water System	G	NO		1	1
239	Webster	Camp Minden Training Site	G	Yes		2	
240	Webster	Palmetto Water Works Inc.	G	YES		2	103 YES
241	Webster	Salt Water	G	NO		1	200
242	Webster	Sibley, Town of	G	YES		3	620 YES
243	Webster	Sparepta Waterworks Dist	G			3	500 YES
244	Webster	Springhill, City of	G	YES		1	2600 YES
245	Webster	Thomasville Water System	G			2	103 YES
246	Webster	Union Grove Water System	G	NO		2	150 YES
247	Metered---12						
248	Non-Metered---4 Total Sources Total Connections						
249	Webster Totals Total-----16 36 6,231						

*Office of Conservation
NOV 01 2017
Environmental Division*

**SPARTA AQUIFER/HAYNESVILLE SHALE
WATER SYSTEM USAGE SURVEY REPORT
TOTAL RESULTS SUBMITTED**

	A	B	C	D	E	F	G	
250	Winn	Calvin, Village of	G			2	175 YES	
251	Winn	Dodson, Village of	G	YES		2	203	
252	Winn	Hudson-Gaars Mill Water System	G	NO		1	222 YES	
253	Winn	Hwy 84 West Water System Inc.	G	YES		2	75 YES	
254	Winn	Pleasant Hill-Crossroads W/S	G	YES		2	220 YES	
255	Winn	Sikes Water System, Village of	G	YES		2	78 YES	
256	Winn	Tannehill Water System	G	NO		2	750	
257	Winn	West Winn Water System Inc.	G	YES		5	740 YES	
258	Winn	Wheeling Water System Inc.	G	NO		2	150	
259	Winn	Winnfield, City of	G	YES		4	2730 YES	
260	Metered---6							
261					Non-Metered---3	Total Sources	Total Connections	
262	Winn Totals					Total-----9	24	5,343
263								
264								
265	Metered---120							
266					Non-Metered---74	Total Sources	Total Connections	
267	Overall Totals					Total-----194	466	203,089
268								

Office of Conservation
NOV 01 2017
Environmental Division

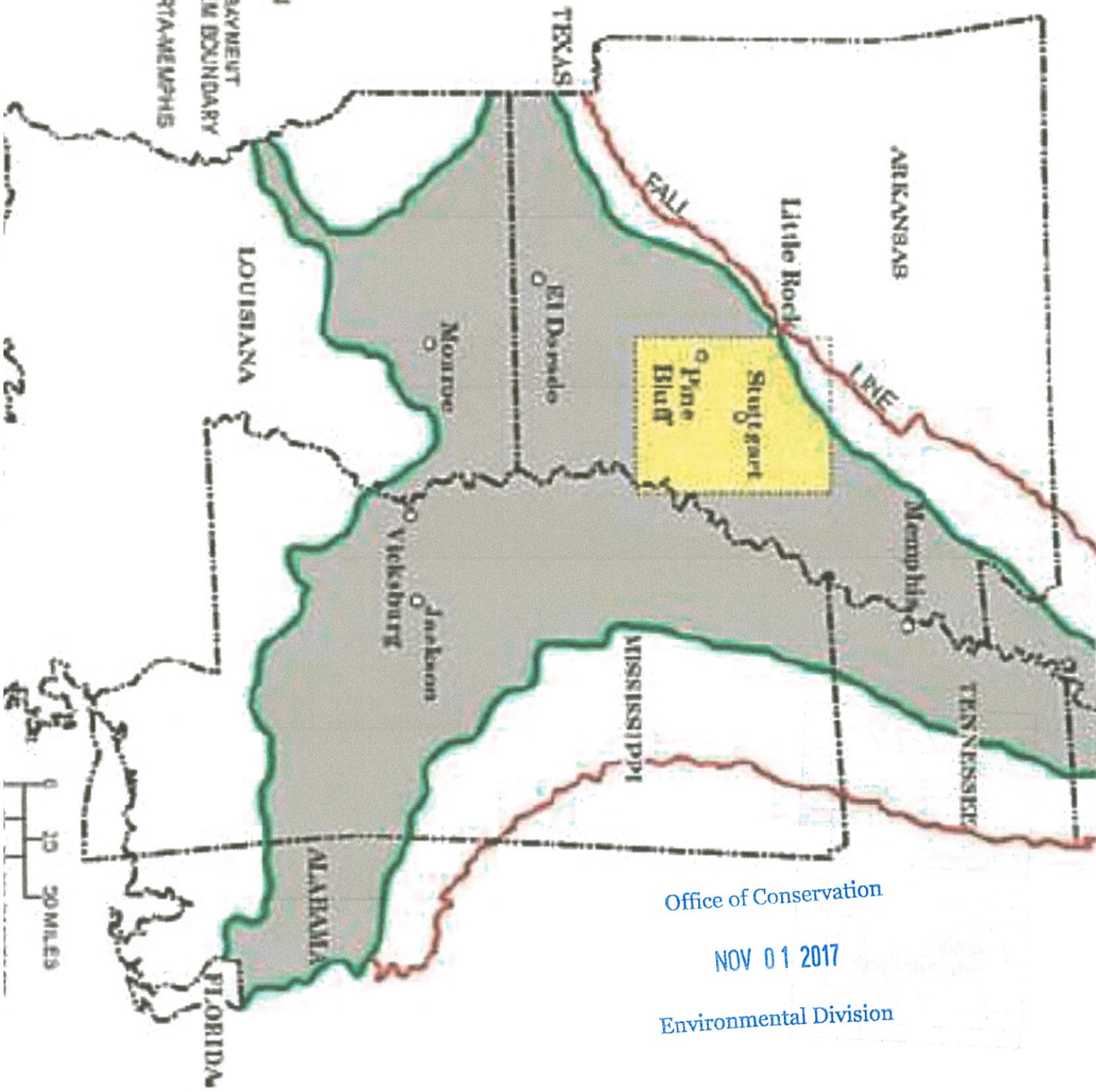
APPENDIX II

Office of Conservation

NOV 01 2017

Environmental Division

- EXPLANATION**
-  MISSISSIPPI EMBAYMENT AQUIFER SYSTEM BOUNDARY
 -  EXTENT OF SPARTANMEMPHIS AQUIFER
 -  FOCUS AREA



Office of Conservation

NOV 01 2017

Environmental Division