

**Pensacola Hydroelectric Project
FERC No. 1494**

**Recreation Facilities Inventory and Use Study
Report**

**Prepared for
Grand River Dam Authority**

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ABBREVIATIONS AND TERMS

A	Acceptable rating
ATV	All-Terrain Vehicle
Commission.....	Federal Energy Regulatory Commission
FERC.....	Federal Energy Regulatory Commission
Grand Lake.....	Grand Lake O' the Cherokees
GRDA	Grand River Dam Authority
Licensee	Grand River Dam Authority
LP	Large problem rating
MP	Moderate problem rating
N.....	Neither/Neutral rating
NA	No opinion/not applicable rating
NP	Not a problem rating
NR	Not rated
OTRD	Oklahoma Tourism and Recreation Department
PAD	Pre-Application Document
PD	Pensacola Datum
Project	Pensacola Hydroelectric Project
RV	Recreational Vehicle
SP.....	Small problem rating
Study	Recreation Facilities Inventory and Use Study
TA.....	Totally acceptable rating
TU.....	Totally unacceptable rating
UN	Unacceptable rating
US Census	United States Census Bureau
USACE	United States Army Corps of Engineers
Visitor	Study site interview participant

1. Project Introduction and Background

Grand River Dam Authority (GRDA, Licensee) holds a license issued by the Federal Energy Regulatory Commission (FERC, Commission) to operate and maintain the Pensacola Hydroelectric Project (Project). The Project is owned, operated, and maintained by the Licensee. The current license, which designates the Project as FERC No. 1494, expires on May 31, 2025 (FERC, 2018).

As part of the Integrated Licensing Process being utilized to relicense the Project, the Licensee prepared a proposed study plan and subsequently a revised study plan that included a Recreation Facilities Inventory and Use Study (Study) to gather information as part of the relicensing process. The Commission issued a study plan determination approving the study on November 8, 2018.

According to the approved study plan, GRDA completed the following:

- A recreation observation survey during the 2020 recreation season from May through September.
- Interviews during observation surveys.
- A recreation facility inventory at each of the 20 surveyed recreation sites in September 2020.
- A facility condition assessment during the inventory.
- Data collection on the effect of high water on recreation site usability.

Grand Lake O' the Cherokees (Grand Lake) was formed in 1940 when the Pensacola Dam was completed and impounded two primary perennial waterbodies. These waterbodies include the Neosho River and Spring River, as well as numerous secondary perennial and intermittent tributary streams. Grand Lake contains approximately 45,200 surface acres of water and spans Ottawa, Craig, Delaware, and Mayes Counties in Oklahoma. The Pensacola Dam is a hydroelectric facility with a capacity of 120 megawatts. The main span of Pensacola Dam includes a spillway containing twenty-one radial gates, a non-overflow gravity section, and two non-overflow abutments. There is an additional span located one mile east of the main dam that includes a gravity-type spillway section containing twenty-one radial gates (GRDA, 2018).

Northeast Oklahoma is locally known as the Green Country and includes the counties of Ottawa, Craig, Delaware, Mayes, Tulsa, Creek, Rogers, Pawnee, Osage, Washington, Nowata, Wagoner, Cherokee, Adair, Sequoyah, Muskogee, Okmulgee, and McIntosh (TravelOK, n.d.). Grand Lake is the premier recreational lake in northeast Oklahoma (GRDA, 2017). There are numerous public recreation facilities on Grand Lake, which offer locals and visitors opportunities for fishing, camping, swimming, trail riding, and other outdoor and water activities.

The Recreation Facilities Inventory and Use Study includes 20 recreation sites¹ in the vicinity of Grand Lake. GRDA operates and maintains five FERC-approved public access sites for the Pensacola Project. The remaining sites are non-Project sites that are owned, operated, and maintained by the State of Oklahoma, local municipalities, or private owners. These sites include six state parks with a total of nine areas, five public access sites, and various river channel sites located downstream of the Pensacola Dam along the Grand River. The name of each recreation site is included **Table 1-1**.

¹ Twin Bridge State Park was separated into two site locations for survey purposes (Twin Bridge Upper and Twin Bridge Lower) and Cherokee State Park was separated into three site locations (Cherokee Main, Cherokee Lakeside, and Cherokee Riverside).

Table 1-1: Recreation Facilities Inventory and Use Study Sites

FERC-Approved Sites	State Park Sites (non-project)	Public Access Sites (non-project)
• Big Hollow Public Access	• Bernice	• Connors Bridge
• Duck Creek Bridge Access Area	• Disney	• Council Cove
• Monkey Island Public Boat Ramp	• Honey Creek	• Riverview Park
• Seaplane Base Public Access	• Little Blue	• Spring River
• Wolf Creek Public Access	• Twin Bridges Lower	• Willow Park
	• Twin Bridges Upper	
	• Cherokee Main	
	• Cherokee Lakeside	
	• Cherokee Riverside	
		Downstream Sites (non-project)
		• River Channel Sites

2. Study Objectives

GRDA filed a Pre-Application Document (PAD) with the FERC in February 2017 as part of the relicensing effort. In the PAD, GRDA proposed a Recreation Facilities Inventory and Use Study to characterize recreation resources within the Project Boundary.

The FERC, in its April 2018 Scoping Document 2, identified environmental resource issues that are related to recreation and are to be analyzed for the Project relicensing.

These environmental resource issues include the following:

- Whether existing recreation facilities and public access are adequate to meet current and future recreation demand;
- Effects of Project operation (reservoir fluctuation) on access to existing recreation facilities;
- Effects of Project operation on the visitor experience at Grand Lake; and
- Adequacy of the existing Recreation Management Plan to manage development and use of the Project's recreation facilities.

The goals of the study are to gather information regarding current recreational use and identify recreation resources and activities that may be affected by the continued operation of the Project.

The specific study objectives are to:

- Characterize current recreational use of the Project area;
- Estimate future demand for public recreation use at the Project;
- Gather information on the condition of GRDA's FERC-approved recreation facilities and identify any need for improvement; and
- Evaluate the potential effects of continued operation of the Project on recreation resources and public access in the project area.

3. Study Area

The 20 recreation sites included in the Study are located around Grand Lake in Delaware, Mayes, and Ottawa Counties in northeastern Oklahoma. The recreation sites are listed in **Table 3-1** in a general north to south direction and a map showing the general location of each site is included as **Figure 3-1**.

The recreation sites were divided into north and south groups, based on relative proximity to each other, to build in surveying efficiencies. Distance between sites in the north group ranged from 0.1 miles between the Twin Bridges Upper site and Twin Bridge Lower site and up to 16 miles between Bernice State Park and Connors Bridge. Distance between sites in the south group ranged from 0.2 miles between Cherokee Main State Park and Disney State Park and up to 21 miles between Little Blue State Park and Big Hollow.

The north and south site groups were rearranged to east and west site groups for the last three survey dates. This was necessary to accommodate more efficient travel distances due to the closing of State Highway 28 for bridge deck reconstruction. The recreation sites were accessible from the east side and west side of the Pensacola Dam.

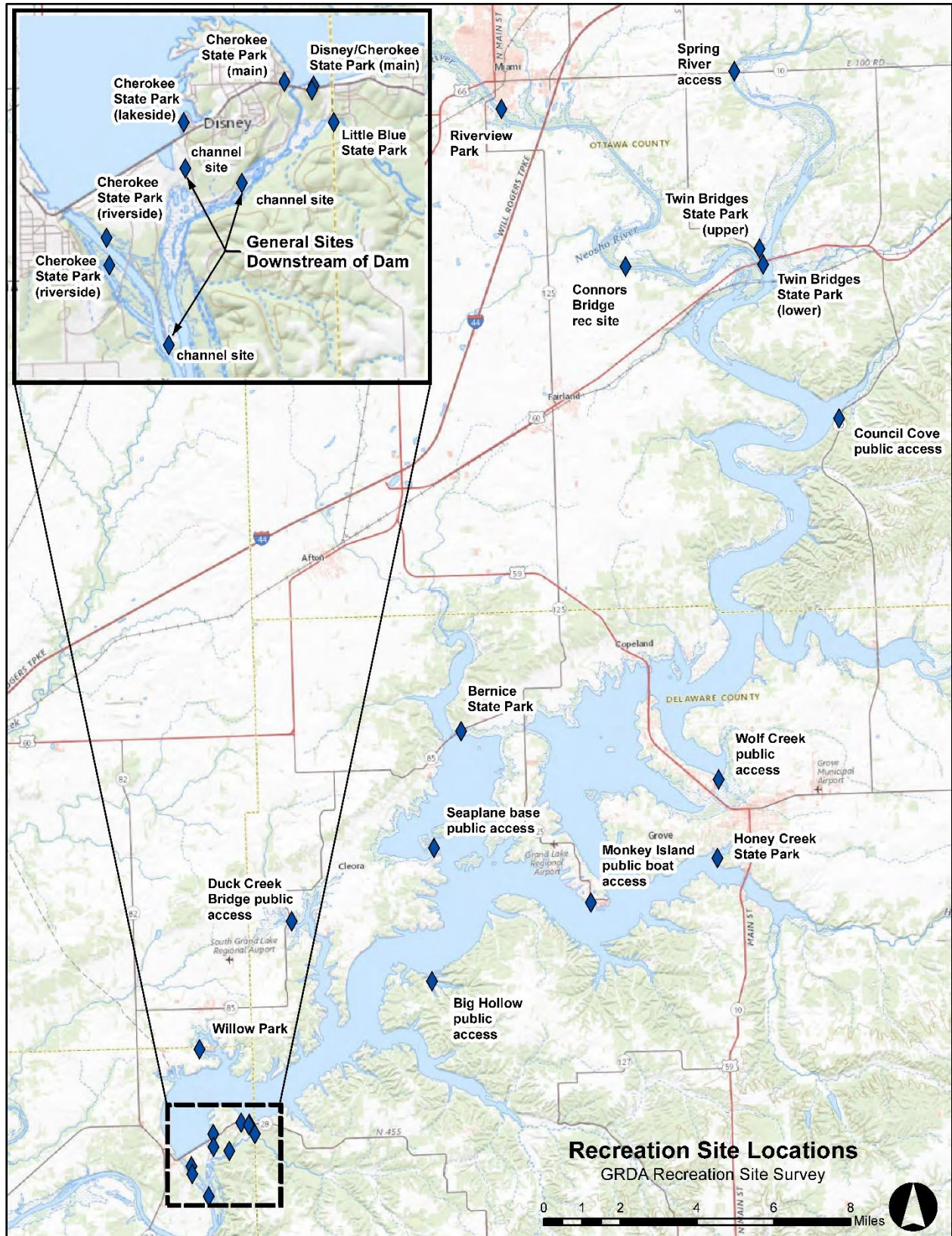
Table 3-1: Study Site List

Site Name	County	Site Operator	Site Group	
			Original	Hwy Closed
Spring River	Ottawa	Ottawa County	North	West
Riverview Park	Ottawa	City of Miami	North	West
Twin Bridges Lower State Park	Ottawa	OTRD ²	North	West
Twin Bridges Upper State Park	Ottawa	OTRD	North	East
Connors Bridge	Ottawa	Ottawa County	North	West
Council Cove	Ottawa	Ottawa County	North	East
Bernice State Park	Delaware	OTRD	North	West
Wolf Creek*	Delaware	GRDA	South	East
Seaplane Base*	Delaware	GRDA	North	West
Honey Creek State Park	Delaware	OTRD	South	East
Monkey Island*	Delaware	GRDA	North	East
Duck Creek*	Delaware	GRDA	North	West
Big Hollow*	Delaware	GRDA	South	East
Willow Park	Mayes	Town of Ketchum	North	West
Cherokee Main State Park	Mayes	OTRD	South	East
Disney State Park	Mayes	OTRD	South	East
Cherokee Lakeside State Park	Mayes	OTRD	South	East
Little Blue State Park	Mayes/Delaware	OTRD	South	East
Cherokee Riverside State Park	Mayes	OTRD	South	West
River Channel Sites	Mayes	GRDA	South	East

* FERC-approved site

² Oklahoma Tourism and Recreation Department

Figure 3-1: Recreation Site General Location Map



4. Methodology

Mead & Hunt was retained by GRDA to conduct the Study which included undertaking the recreation observation surveys and facility condition assessments between May and September 2020. Two teams of two people completed the surveys on pre-determined days, one team at the north end of Grand Lake and the other at the south end. Each team completed paper forms and visitor interviews to assess the use of each recreation site. Recreation visitor-use data was collected using an electronic form on a tablet. Photos were taken at each site on each survey day to document water levels at the time of the survey and provide additional site detail.

Per the FERC-approved study plan, six surveys per month were completed for the five-month survey period. Three surveys were to be completed on a weekday (Monday, Tuesday, Wednesday, Thursday) and three on a weekend day (Friday, Saturday, Sunday). Three surveys were mandatory on certain weekends including Memorial Day, Independence Day, and Labor Day. All 20 recreation sites were visited on each of the six monthly survey days by the survey teams. Surveys were completed on each day between the hours of 07:00 and 19:00 and an hour was spent at each site, unless the roads to a site were inundated and impassable due to high water events³. A typical survey day was 12 to 14 hours of combined survey work and associated travel. Efforts were made to vary the survey times for each of the sites throughout the five-month survey period.

A bimonthly assessment along river channel sites below the Pensacola Dam and spillways was included in the survey efforts. There are multiple access points to numerous off-road, rough terrain trails along the river channel sites, as provided in **Appendix A**. River channel site surveys focused on recreation areas and activities that involved the usage of a variety of off-road vehicles, including all-terrain vehicles (ATV), Jeeps, and highly modified four-wheel drive vehicles. One survey per month was conducted on a weekday and the other on a weekend day. Morning and afternoon survey times were alternated each month. There were limited opportunities to undertake interviews in these settings due to the small number of recreationists who use ATVs in these extremely rugged areas.

Recreation site surveys included counting individuals and vehicles, classifying primary and secondary activities, and interviewing people at the sites. Photos were taken at each recreation site during each survey, which focused on public access boat ramps, water level at boat ramps, typical activities, or the lack of people and activity.

The 20 recreation sites around Grand Lake varied greatly in size and available facilities. Nine recreation sites are part of the Oklahoma Tourism and Recreation Department park system and offer a range of facilities including camping sites with electricity and water, primitive tent sites, gazebos, bathroom and shower facilities, day use picnic areas, covered picnic facilities, nature centers, fishing docks, and boat ramps. Photos of each of the 20 surveyed recreation sites are provided in **Appendix B**. Photos represent an overview of activities and the level of occupancy at the sites over the course of the study.

³ High water events generally occur when the water level is higher than the ordinary high-water mark of the reservoir and river channel.

4.1 Recreation Observation Survey

Each recreation site listed in [Table 3-1](#) was surveyed for usage six times per month between May and September 2020, as stated in [Section 3](#). Specific survey dates are listed below in **Table 4.1-1**. The forms provided in **Appendix C** were used to collect information regarding the primary and secondary activities at each recreation site and to record an approximate number of people and vehicles at each site.

Table 4.1-1: Survey Dates (2020)

Month	Day of Week	Date
May	Tuesday	May 12
	Sunday	May 17
	Friday	May 22
	Saturday	May 23
	Wednesday	May 27
	Saturday	May 30*
June	Friday	June 5
	Sunday	June 7
	Wednesday	June 10
	Thursday	June 18
	Saturday	June 27
	Sunday	June 28
July	Thursday	July 2
	Sunday	July 5*
	Tuesday	July 7
	Saturday	July 18
	Saturday	July 25
	Thursday	July 30
August	Wednesday	August 5
	Saturday	August 8
	Monday	August 10
	Sunday	August 16
	Saturday	August 22
	Thursday	August 27
September	Friday	September 4
	Sunday	September 6*
	Sunday	September 13
	Tuesday	September 15
	Tuesday	September 22
	Saturday	September 26

* Mandatory holiday survey dates.

4.2 Recreation Visitor Use Interviews

GRDA developed an interview derived from the general concepts provided in the National Visitor Use Monitoring Field Guide (USFS, 2007) and relicensing studies approved by the FERC for other hydroelectric projects. Survey questions were developed for all 20 recreation sites. These questions were combined in the electronic form but depending on the interview site, certain and specific questions related to the type of site were triggered in the form.

The questions were designed to collect information regarding the following:

- General use information
- Resident or visitor
- Purpose and duration of visit
- Distance traveled
- Day use or overnight lodging
- History of site/area visitation
- Types of recreational activity participation, including primary and secondary activities
- Other recreational sites that were or were intended to visit
- General satisfaction with recreational opportunities, facilities, overall perceptions, and areas that need improvement
- Effects of project operations on recreation use and access
- Accessibility of facilities

Visitor interviews were conducted at all five FERC-approved recreation sites, state parks, and other public access sites identified in [Table 3-1](#). The survey was an electronic, multi-page form that consisted of questions predetermined by GRDA and the results are provided in **Appendix D**. Participants were asked various questions based on their input for sites visited. If additional sites were visited in the Project area, other than the interview site location, the survey required visitors to input additional information for each site. Due to COVID-19⁴ safety precautions, survey questions were asked by Mead & Hunt personnel who then entered the visitor response into the electronic form. Tablets were not handled by the public.

4.3 Facility Condition Assessment

During at least one site visit to the five FERC-approved recreation sites, state parks, and other public access sites, the condition of each recreation facility and its immediate vicinity were assessed. Each site facility was assigned a rating according to the following scale:

- N: needs replacement (broken or missing components, or nonfunctional)
- R: needs repair (structural damage or otherwise in obvious disrepair)
- M: needs maintenance (ongoing maintenance issue, primarily cleaning)
- G: good working condition (functional and well maintained)

A note was added to the assessment form for any facility that received a rating of needs replacement, needs repair, or needs maintenance, which stated additional attention is required. The assessment form was also used to capture information about parking and signs, as well as the age of facilities and if any showed signs of overuse. The available facilities at each site and the associated ratings are summarized in [Section 5.6](#). The completed facility condition assessment forms are provided in **Appendix E**.

⁴ <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/prevention.html>

4.4 Boat Launch Elevation Data Collection

Boat launch elevation data was collected at the recreation sites to document the effects of high water on access to existing recreation facilities. Daily water level data were accessed online from two sources which include the United States Army Corps of Engineers (USACE) Tulsa District Water Control Data System for Pensacola (Grand Lake) and the Grand Lake website (Grand Lake, n.d.). Data from USACE were recorded in a spreadsheet and are summarized in [Section 5.9](#). Photos were taken of water levels at boat ramps for comparison to Grand Lake water levels and are provided in **Appendix F**.

5. Study Results

Data gathered for the recreational use survey, facility condition assessment, lake elevation boat ramp comparisons, and photo documentation meet the study data objectives described in [Section 2](#). The following sections provide both general information and details to meet the study objectives.

5.1 Current Project Area Recreation Use

Surveyed recreation sites range in size, usage, facilities, and accessibility. Survey results indicate the most popular sites include three state parks (Bernice, Honey Creek, Little Blue) and one FERC-approved site (Wolf Creek). Most of these sites are relatively large, easily accessible, and have diverse facilities. Little Blue State Park has one of the highest number of visitors even though it is a smaller site. This site cannot be expanded due to topography. Little Blue State Park provides a scenic setting and the high volume of visitors can be attributed to its seasonal access point to the river channels and water below the easternmost spillway of the Pensacola Dam system. It is a popular destination for swimming and shoreline fishing, as well as ATV and off-road vehicles since the location allows access to off-road and rock exploration activities.

5.2 Future Demand for Recreation Use

Available census data indicates the northeast region of Oklahoma had a minimum to moderate population growth of 4.5% over the period of 2010 to 2020, as shown in **Table 5.2-1**. The growth is considered minimum to moderate when compared to the growth of 5.5% for all of Oklahoma and 7.3% for the United States during the same time frame (US Census, n.d.).

Table 5.2-1: Population Growth in Northeast Region of Oklahoma 2010-2019

County	Population		Population Growth	
	2010	2020	Percent*	People*
Ottawa	31,848	30,285	(4.9%)	(1,563)
Craig	15,029	14,107	(6.1%)	(922)
Delaware	41,487	40,397	(2.6)%	(1,090)
Mayes	41,259	39,046	(5.4%)	(2,213)
Tulsa	603,403	669,279	10.9%	65,876
Creek	69,967	71,554	2.3%	1,587
Rogers	86,905	95,240	9.6%	8,335
Pawnee	16,577	15,553	(6.2%)	(1,024)
Osage	47,472	45,818	(3.5%)	(1,654)
Washington	50,976	52,455	2.9%	1,479

County	Population		Population Growth	
	2010	2020	Percent*	People*
Nowata	10,536	9,320	(11.5%)	(1,216)
Wagoner	73,085	80,981	10.8%	7,896
Cherokee	46,987	47,078	0.2%	91
Adair	22,683	19,495	(14.1)	(3,188)
Sequoyah	42,391	39,281	(7.3%)	(3,110)
Muskogee	70,990	66,339	(6.6%)	(4,651)
Okmulgee	40,069	36,706	(8.4%)	(3,363)
McIntosh	20,252	18,941	(6.5%)	(1,311)
Total	1,331,916	1,391,785	4.5%	59,959

* Numbers in parentheses indicate a negative value (decrease)

A comparison of projected population data for Ottawa, Craig, Delaware, and Mayes Counties shows that between the years 2010 and 2020, these counties had a population growth of (4.9%), (6.1%), 2.6%, and (5.4%) respectively (US Census, n.d.).

If the projected population growth experienced from 2010 to 2020 continues at this rate for the region, the public can further utilize any of the surveyed recreation sites that have unused capacity, which would absorb the needs of the growing population. It is generally not feasible to expand the highly-used sites due to physical and/or geographical barriers, seasonal high water events, and private property surrounding most sites. Very few visitor comments referenced overcrowding at recreation sites. Data indicates additional recreation sites or addition of camping sites to existing state parks is not necessary.

5.3 Recreation Observation Survey

The most popular recreational activities at the surveyed sites include camping⁵, shoreline fishing, boat fishing, boating, and picnicking. Visitors and vehicles that visited the sites during the 30 survey dates were counted. The counts are approximate and were tallied at each site over the course of the 30 one-hour visits. Recreational activities were classified using the forms provided by the GRDA. A blank form of the survey and a copy of survey results are provided in **Appendix C**.

Figure 5.3-1 on the following page shows the total visitor count of each surveyed recreation site for all survey days. The top five sites with the greatest number of visitors are all state parks and include Little Blue, with the greatest number of visitors at 2,674, followed by Bernice with 1,860 visitors, Honey Creek with 1,026 visitors, Twin Bridges Upper with 888 visitors, and Cherokee Lakeside with 859 visitors.

⁵ Camping was characterized by general activities in and around recreational vehicle (RV)-capable and primitive campsites or the presence of vehicles, campers, trailers, and tents at predesignated sites. Camping was not an option on the FERC-approved form; it was added in the "other" column and used on most survey dates due to its popularity as a recreation use activity.

Figure 5.3-1: Total Visitors at Each Surveyed Site for All Survey Days

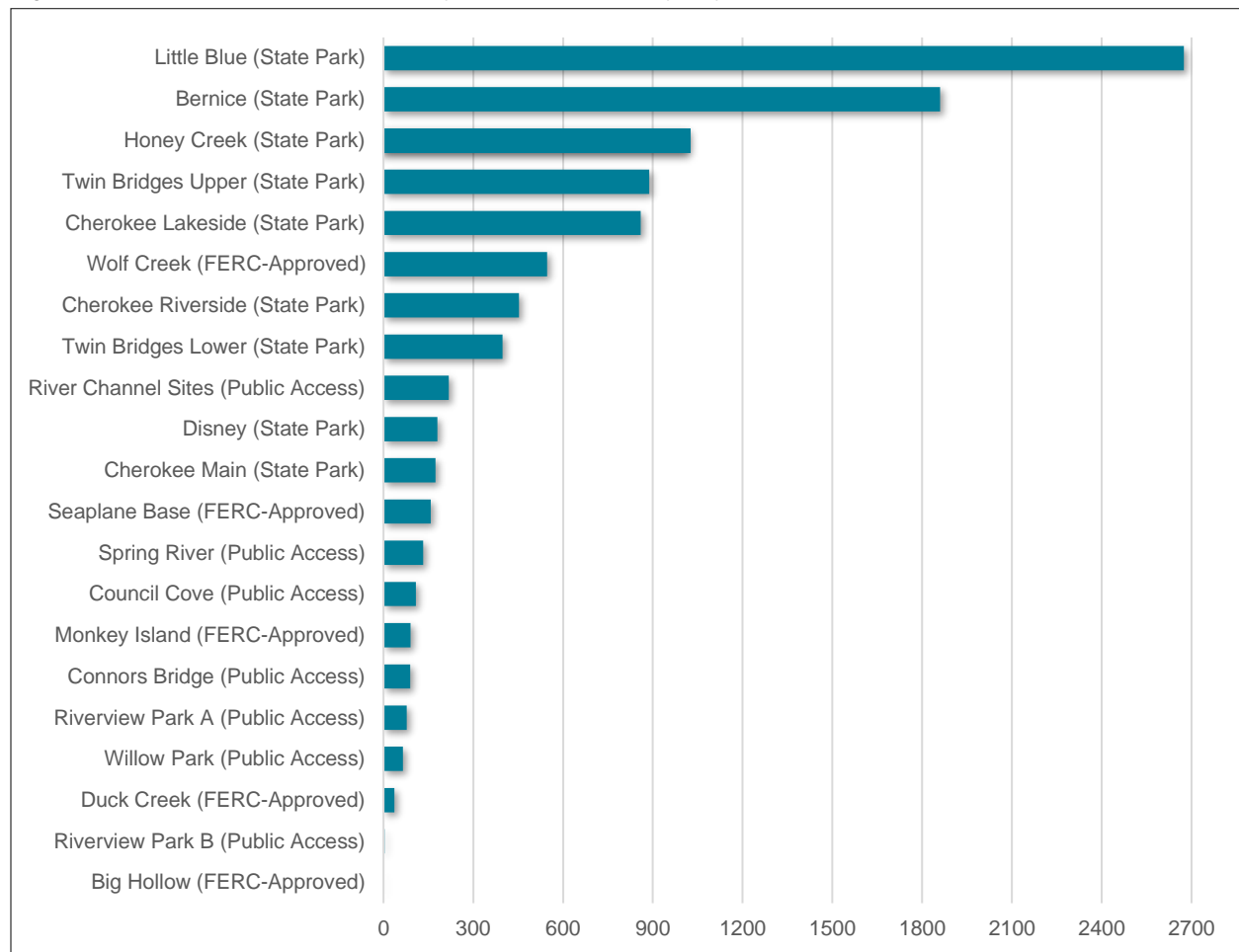


Figure 5.3-2 on the following page shows the total number of vehicles counted at each surveyed recreation site for all survey days. The top five sites with the greatest number of vehicles include four state parks and one FERC-approved site. Honey Creek State Park had the greatest number of vehicles with a total of 2,036, followed by Bernice State Park with 1,989 vehicles, Wolf Creek (FERC-approved) with 1,587 vehicles, Little Blue State Park with 1,454 vehicles, and Twin Bridges Upper State Park with 1,168 vehicles.

Any surveyed recreation site listed in **Figure 5.3-2** that received more than 300 total vehicle counts over the 30 survey days is included in **Table 5.3-1**, which shows the limiting capacity factor and explains the ability to improve capacity through expansion.

Sites with the highest vehicle counts were those that offered numerous recreation opportunities. Bernice State Park, for example, provides opportunities for swimming, camping, boat launching, shoreline fishing, as well as access to a one-mile paved trail system, playground equipment, and a nature center. Those sites that only provide parking for boat access, including Duck Creek, Disney State Park, Seaplane Base, and Monkey Island had lower vehicle counts overall due to limited, longer-term uses and specific recreation activities.

Figure 5.3-2: Total Vehicles Counted at Each Surveyed Site for All Survey Days

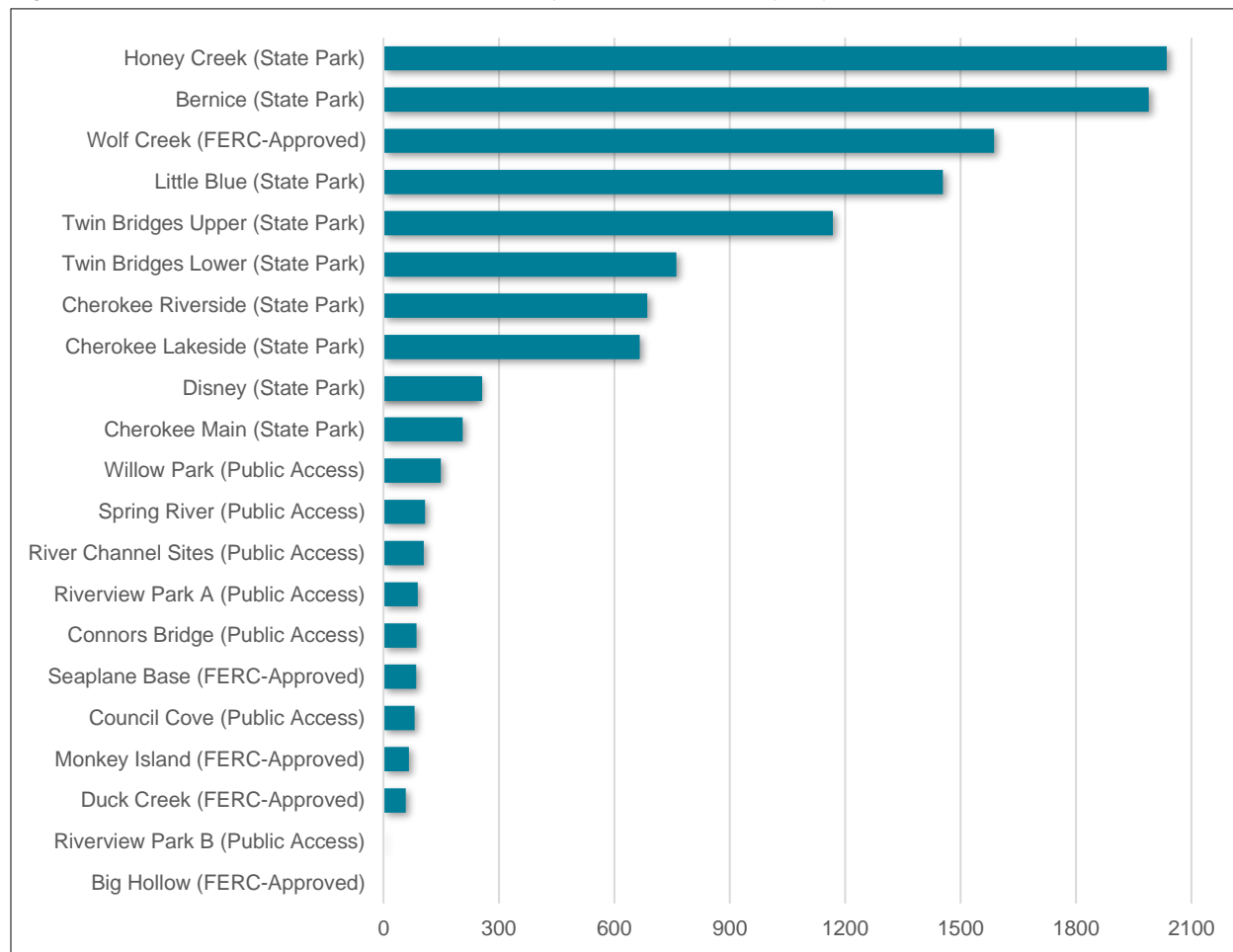


Table 5.3-1 includes only the surveyed recreation sites that received more than 300 visitors (eight sites) and/or more than 300 vehicles were counted (same eight sites) during the 30 days included in the survey period. **Table 5.3-1** also shows the limiting capacity factor and explains the ability to improve capacity through expansion. The surveyed recreation sites listed in the table include one FERC-approved site and seven state park sites. The FERC-approved site is listed first, followed by the state park sites.

All but one highly utilized recreation site (Little Blue State Park) has an average of at least 25% parking capacity available. Based on this average parking space availability and the projected population growth of less than 25% over the next 10 years⁶, parking availability will not be limited at the highly used recreation sites. Little Blue State Park has additional parking capacity along the side of the entry road coming into the site. Potential development of formal additional parking capacity at this site is limited by topography and would be challenging because additional capacity could reduce the appeal of swimming in the creek.

⁶ Census data for 2020 is not yet available to project growth for 2020-2030; however, growth is not expected to exceed 25%.

Table 5.3-1: Limiting Factors to Vehicle Capacity at Highly Utilized Recreation Sites

Recreation Site	Limiting Capacity Factor	Average Use Capacity and Percent Capacity	Capacity Improvement Expansion Needs
Wolf Creek	Primary Activity: Boat Launch Vehicle parking spaces: 15 Trailer parking spaces: 85 ⁷	Total vehicles: 1,587 Vehicle/30 days: 53 Site Capacity: 100 % Capacity: 53%	Boat Launching is well-utilized. Parking available for all users. Expansion not needed.
Bernice Creek State Park	Primary Activity: Camping RV sites w/ parking: 33 Primitive sites w/ parking: 28 Additional parking spaces: 28	Total vehicles: 1,989 Vehicle/30 days: 66 Site Capacity: 89 % Capacity: 74%	Camping sites are well-utilized. Parking available for all users. Expansion not needed.
Honey Creek State Park	Primary Activity: Camping RV sites w/ parking: 30 Primitive sites w/ parking: 150 Trailer parking spaces: 20	Total vehicles: 2,036 Vehicle/30 days: 68 Site Capacity: 200 % Capacity: 34%	Camping sites are well-utilized. Parking available for all users. Expansion not needed.
Little Blue State Park	Primary Activity: Swimming Camp sites w/ parking: 18 Additional parking spaces: 5	Total vehicles: 1,454 Vehicle/30 days: 48 Site Capacity: 23 % Capacity: 200%	Overflow parking on road, at State Park entrance. Site restricted by topography and geography. Expansion not feasible.
Twin Bridges Lower State Park	Primary Activity: Camping RV sites w/ parking: 17 Primitive sites w/ parking: 10 Vehicle parking spaces: 12 Trailer parking spaces: 53 ⁸	Total vehicles: 761 Vehicle/30 days: 25 Site Capacity: 39 % Capacity: 64%	Camping sites are well-utilized. Parking available for all users. Expansion not needed.
Twin Bridges Upper State Park	Primary Activity: Camping RV sites w/ parking: 46 Primitive sites w/ parking: 54 Vehicle parking spaces: 72	Total vehicles: 1,168 Vehicle/30 days: 39 Site Capacity: 105 % Capacity: 37%	Camping sites are well-utilized. Parking available for all users. Expansion not needed.
Cherokee Lakeside State Park	Primary Activity: Camping Small RV sites w/ parking: 11 Primitive sites with parking: 6 Trailer parking spaces: 30	Total vehicles: 666 Vehicle/30 days: 22 Site Capacity: 47 % Capacity: 47%	Camping sites are well-utilized. Parking available for all users. Expansion not needed.
Cherokee Riverside State Park	Primary Activity: Camping RV sites w/ Parking: 33 Additional parking spaces: 5	Total vehicles: 686 Vehicle/30 days: 23 Site Capacity: 38 % Capacity: 61%	Camping sites are well-utilized. Parking available for all users. Expansion not needed.

5.4 Downstream River Channel Sites Observation Results

Ten surveys were completed at various river channel sites downstream of the Pensacola Dam along the Grand River, a map is provided in **Appendix A**. The primary recreation in the area was ATV and off-road vehicle use. Access to primary gravel roads into the river channel areas are well maintained and accessible. Water flow over the spillways can directly impact the available area for recreation; these flows may make the area temporarily inaccessible and unavailable for recreation use because vehicles are not allowed in the water.

⁷ The parking at Wolf Creek was expanded significantly to accommodate fishing tournament traffic. The smaller lot includes 85 trailer parking spaces, the expanded lot includes 208 spaces. Only those trailer parking spaces in the smaller lot are considered for capacity calculations.

⁸ Counting the boat launch trailer parking spaces (53) would skew the capacity results at Twin Bridges State Park Lower, as the primary recreation activity was camping. Therefore, the calculation did not include the boat launch parking spaces.

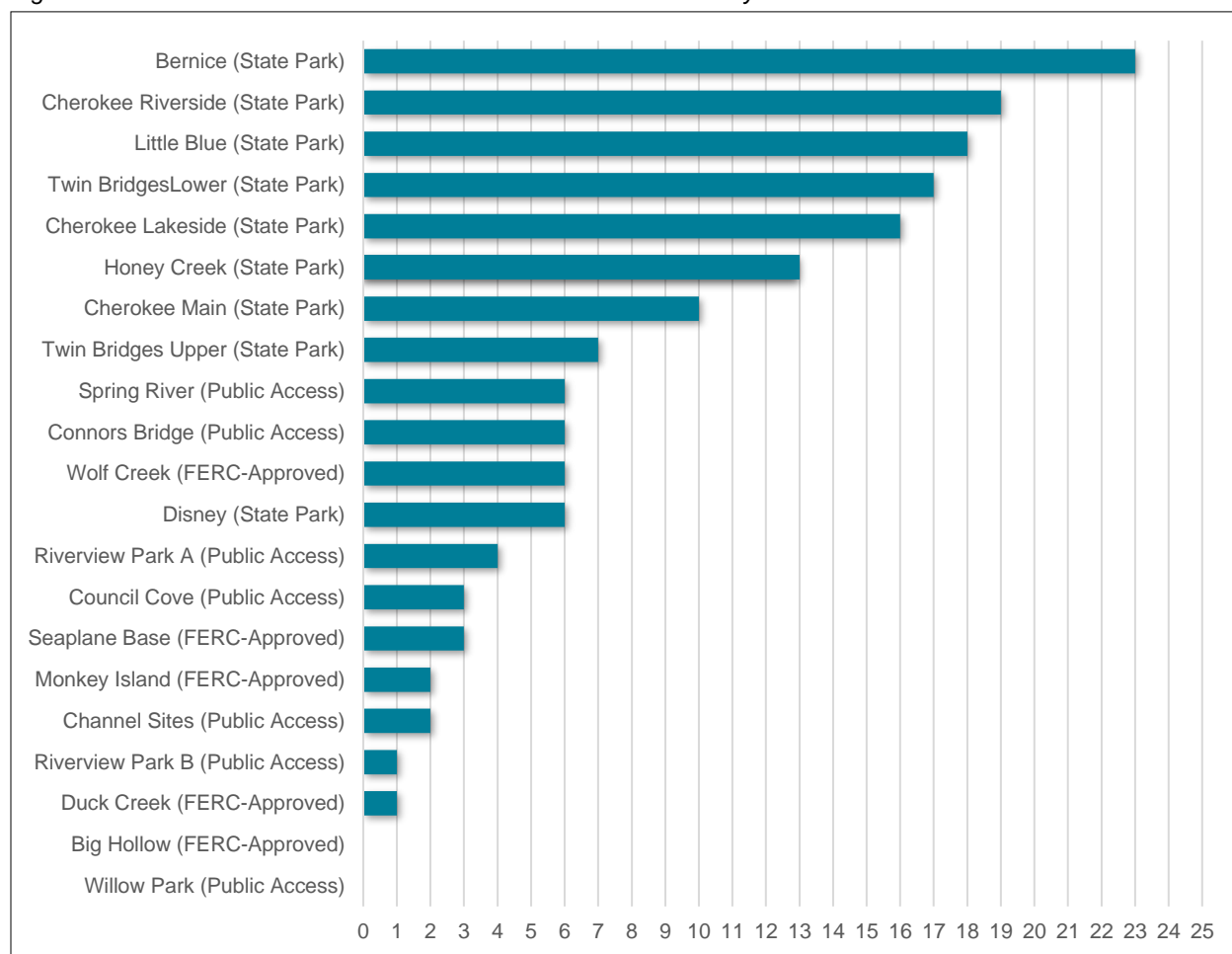
5.5 Interview Results

Visitor interviews were conducted at sites between May and September 2020, except for Big Hollow and Willow Park. The observed use at Big Hollow is minimal; no visitors were observed during survey times and therefore no visitors could be interviewed. Willow Park is a boat launch facility, and although visitors were observed, they generally were not available for interviews as they were on the water. The interview questions are provided in **Appendix D**.

5.5.1 Number of Visitor Interviews

The number of visitor interviews conducted at each surveyed recreation site is shown in **Figure 5.5.1-1**. A total of 163 visitor interviews were conducted, with the majority (23) conducted at Bernice State Park. The number of interviews at each site reflects the availability of visitors at that recreation site. Sites with a greater number of campsites had more visitors to interview, while sites with high boating usage had fewer visitors to interview, as they were typically on the water. Repeat and regular site visitors were not interviewed more than once. Most repeat visitors utilized smaller sites such as Spring River, Connors Bridge, Riverview Park, Seaplane Base, and Council Cove. First time visitors were more likely to visit larger sites such as Bernice State Park and Honey Creek State Park. Regular visitors traveled an average of 48.8 miles to recreate in the vicinity of Grand Lake. By comparison, first time visitors traveled an average of 177.06 miles. On survey days with excessive amounts of rain and/or high water, no visitors were available for interviews.

Figure 5.5.1-1: Total Number of Visitor Interviews Conducted at Survey Sites



5.5.2 Visitor Rating for Primary Recreation Use Fishing and/or Boating

If a visitor indicated their primary recreation use at the interview site that day was for fishing and/or boating, which includes 71 visitors, they were asked to rate that use based on the following criteria: safety, enjoyment, crowding, and overall experience. The tables below summarize what percentage of visitors at each recreation site rated fishing and/or boating as totally acceptable (TA), acceptable (A), neutral (N), unacceptable (UN), and totally unacceptable (TU). If a visitor chose not to provide a rating, it is indicated under the not rated (NR) column. **Table 5.5.2-1** includes the percentages for the FERC-approved sites, **Table 5.5.2-2** includes the state park sites (non-project), and **Table 5.5.2-3** includes the public access sites (non-project). All interview sites, except for Big Hollow (FERC-approved site) and Willow Park (Public Access site), included at least one visitor who indicated their primary recreational use was fishing and/or boating. Therefore, Big Hollow is not included in **Table 5.5.2-1** and Willow Park is not included in **Table 5.5.2-3**.

Table 5.5.2-1: Visitor Rating Percentages for Fishing and/or Boating as Primary Recreation Use at FERC-Approved Sites

Interview Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
FERC-Approved Sites							
• Duck Creek (1 Visitor)	Safety		100%				
	Enjoyment		100%				
	Crowding			100%			
	Overall Experience			100%			
• Monkey Island (2 Visitors)	Safety		100%				
	Enjoyment	50%	50%				
	Crowding		100%				
	Overall Experience	50%	50%				
• Seaplane Base (3 Visitors)	Safety	34%	66%				
	Enjoyment	100%					
	Crowding	66%	34%				
	Overall Experience	66%	34%				
• Wolf Creek (4 Visitors)	Safety	100%					
	Enjoyment	25%	75%				
	Crowding	25%	75%				
	Overall Experience	50%	50%				

Table 5.5.2-2: Visitor Rating Percentages for Fishing and/or Boating as Primary Recreation Use at State Park Sites

Interview Site	Rating Criteria	Rating Scale Percentages (some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
State Park Sites (non-project)							
• Bernice (4 Visitors)	Safety	50%	25%	25%			
	Enjoyment	50%	25%	25%			
	Crowding		50%	25%	25% ⁹		
	Overall Experience	50%	25%	25%			
• Disney (2 Visitors)	Safety		100%				
	Enjoyment		100%				
	Crowding		100%				
	Overall Experience		100%				
• Honey Creek (4 Visitors)	Safety		100%				
	Enjoyment		100%				
	Crowding		75%	25%			
	Overall Experience		75%		25% ¹⁰		
• Little Blue (3 Visitors)	Safety		66%	34%			
	Enjoyment	66%		34%			
	Crowding		66%	34%			
	Overall Experience		66%	34%			
• Twin Bridges Lower (12 Visitors)	Safety	17%	58%	17%		8% ¹¹	
	Enjoyment	25%	42%	8%	17% ^{12, 13}	8% ¹¹	
	Crowding	8%	75%	8%		8% ¹¹	
	Overall Experience	25%	42%	17%	8% ¹³	8% ¹¹	
• Twin Bridges Upper (1 Visitor)	Safety	100%					
	Enjoyment	100%					
	Crowding	100%					
	Overall Experience		100%				
• Cherokee Main (4 Visitors)	Safety		100%				
	Enjoyment	50%	50%				
	Crowding	25%	50%		25% ¹⁴		
	Overall Experience	50%	50%				
• Cherokee Lakeside (3 Visitors)	Safety	33%	33%				33%
	Enjoyment	33%	33%				33%
	Crowding		66%				34%
	Overall Experience	66%					34%
• Cherokee Riverside (10 Visitors)	Safety	20%	60%	20%			
	Enjoyment	30%	60%	10%			
	Crowding	40%	60%				
	Overall Experience	20%	80%				

⁹ Bernice State Park: Visitor interview date 5/23/2020. No documented comment for the unacceptable crowding rating.

¹⁰ Honey Creek State Park: Visitor interview date 5/27/2020. See Table 5.5.5-2 for visitor comment.

¹¹ Twin Bridges Lower State Park: Visitor interview date 5/30/2020. See Table 5.5.5-2 for visitor comment.

¹² Twin Bridges Lower State Park: Visitor interview date 5/30/2020. See Table 5.5.5-2 for visitor comment.

¹³ Twin Bridges Lower State Park: Visitor interview date 7/5/2020. See Table 5.5.5-2 for visitor comment.

¹⁴ Cherokee Main State Park: Visitor interview date 7/18/2020. No documented comment for the unacceptable crowding rating.

Table 5.5.2-3: Visitor Rating Percentages for Fishing and/or Boating as Primary Recreation Use at Public Access Sites

Interview Site	Rating Criteria	Rating Scale Percentages (some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
Public Access Sites (non-project)							
• Connors Bridge (6 Visitors)	Safety	83%				17% ¹⁵	
	Enjoyment	83%				17% ¹⁵	
	Crowding	17%	66%	17%			
	Overall Experience	17%	66%			17% ¹⁵	
• Council Cove (1 Visitor)	Safety		100%				
	Enjoyment		100%				
	Crowding	100%					
	Overall Experience		100%				
• Riverview Park (4 Visitors)	Safety	25%	50%	25%			
	Enjoyment	50%	50%				
	Crowding		50%	50%			
	Overall Experience	50%	50%				
• Spring River (6 Visitors)	Safety	17%	50%	17%		17% ¹⁶	
	Enjoyment	50%	50%				
	Crowding	17%	66%			17% ¹⁷	
	Overall Experience	33%	50%	17%			
• River Channel Sites (1 Visitor)	Safety	100%					
	Enjoyment	100%					
	Crowding		100%				
	Overall Experience	100%					

5.5.3 Visitor Ratings for Reservoir Water Level at Interview Sites

Each of the 163 interviewed visitors were asked to rate whether the reservoir water level was a problem at the interview site for the visitor’s ability to safely swim, launch or take out a boat, safely boat, fish along the shoreline, access the shoreline, and use the docks, as well as the scenic quality of the shoreline. The tables below summarize what percentage of visitors rated the reservoir water level at the interview sites as not a problem (NP), small problem (SP), neither (N), moderate problem (MP), large problem (LP), or no opinion /not applicable (NA). **Table 5.5.3-1** includes the ratings for the FERC-approved sites, **Table 5.5.3-2** includes the state park sites (non-project), and **Table 5.5.3-3** includes the public access sites (non-project). Most of the respondents either had no problem, a small problem, or neither regarding the effect of reservoir water levels on recreation. As expected, the river channel recreation downstream of the dam is impacted the most when reservoir water levels are high because water is often being released into those areas.

¹⁵ Connors Bridge: Visitor interview date 8/22/2020. See Table 5.5.5-3 for visitor comment.

¹⁶ Spring River: Visitor interview date 6/7/2020. See Table 5.5.5-3 for visitor comment.

¹⁷ Spring River: Visitor interview date 5/27/2020. No documented comment for the totally unacceptable crowding rating.

Table 5.5.3-1: Visitor Rating Percentages for Reservoir Water Level at FERC-Approved Sites

Interview Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		NP	SP	N	MP	LP	NA
FERC-Approved Sites (12 interviewed visitors)							
• Duck Creek (1 Visitor)	Safely Swim						100%
	Launch/Take Out Boat						100%
	Safely Boat						100%
	Fish Along Shoreline						100%
	Access Shoreline						100%
	Use Docks						100%
	Scenic Quality						100%
• Monkey Island (2 Visitors)	Safely Swim	50%					50%
	Launch/Take Out Boat	50%					50%
	Safely Boat	100%					
	Fish Along Shoreline	50%					50%
	Access Shoreline	100%					
	Use Docks	100%					
	Scenic Quality	100%					
• Seaplane Base (3 Visitors)	Safely Swim	66%	34%				
	Launch/Take Out Boat	66%			34% ¹⁸		
	Safely Boat	100%					
	Fish Along Shoreline		100%				
	Access Shoreline		34%		66% ^{18,19}		
	Use Docks			34%			66%
	Scenic Quality	66%	34%				
• Wolf Creek (6 Visitors)	Safely Swim	83%			17% ²⁰		
	Launch/Take Out Boat	50%			17% ²¹	17% ²⁰	17%
	Safely Boat	50%				17% ²⁰	34%
	Fish Along Shoreline	50%	17%			17% ²⁰	34%
	Access Shoreline	33%	17%		17% ²²	17% ²⁰	17%
	Use Docks	17%			17% ²²		66%
	Scenic Quality	33%	17%				50%

¹⁸ Seaplane Base: Visitor interview date 5/17/2020. No documented comment for either moderate problem ratings.

¹⁹ Seaplane Base: Visitor interview date 5/17/2020. No documented comment for the moderate problem rating.

²⁰ Wolf Creek: Visitor interview date 5/30/2020. See Table 5.5.5-1 for visitor comment.

²¹ Wolf Creek: Visitor interview date 6/5/2020. See Table 5.5.5-1 for visitor comment.

²² Wolf Creek: Visitor interview date 6/7/2020. See Table 5.5.5-1 for visitor comment.

Table 5.5.3-2: Visitor Rating Percentages for Reservoir Water Level at State Park Sites

Interview Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		NP	SP	N	MP	LP	NA
State Park Sites (non-project) (129 interviewed visitors)							
• Bernice (23 Visitors)	Safely Swim	70%	9%	4%	4% ²³		13%
	Launch/Take Out Boat	30%		39%	4% ²⁴	9% ^{25,26}	17%
	Safely Boat	39%		43%			17%
	Fish Along Shoreline	52%	4%	17%			26%
	Access Shoreline	78%	9%		4% ²⁷		9%
	Use Docks	4%	4%	57%		4% ²⁴	30%
	Scenic Quality	87%					13%
• Disney (6 Visitors)	Safely Swim	33%		67%			
	Launch/Take Out Boat			83%	17% ²⁸		
	Safely Boat			83%	17% ²⁸		
	Fish Along Shoreline		17%	83%			
	Access Shoreline	67%		17%	17% ¹⁸		
	Use Docks	17%		83%			
	Scenic Quality	100%					
• Honey Creek (13 Visitors)	Safely Swim	54%	8%	31%			8%
	Launch/Take Out Boat	31%		46%	8% ²⁹	8% ³⁰	8%
	Safely Boat	46%		46%			8%
	Fish Along Shoreline	23%	8%	54%	8% ³¹		8%
	Access Shoreline	31%	8%	38%	8% ³¹		15%
	Use Docks	31%	8%	38%	8% ²⁹		15%
	Scenic Quality	69%	8%	15%			8%
• Little Blue (18 Visitors)	Safely Swim	78%	6%	6%			11%
	Launch/Take Out Boat	6%	11%	32%	6% ³²		44%
	Safely Boat	11%	6%	28%	6% ³²		50%
	Fish Along Shoreline	44%	6%	6%			44%
	Access Shoreline	61%	11%				28%
	Use Docks	6%	6%	33%	6% ³²		50%
	Scenic Quality	72%					28%

Table 5.5.3-2 continued next page

²³ Bernice State Park: Visitor interview date 6/28/2020. See Table 5.5.5-2 for visitor comment.

²⁴ Bernice State Park: Visitor interview date 8/16/2020. See Table 5.5.5-2 for visitor comment.

²⁵ Bernice State Park: Visitor interview date 9/4/2020. See Table 5.5.5-2 for visitor comment.

²⁶ Bernice State Park: Visitor interview date 9/4/2020. See Table 5.5.5-2 for visitor comment.

²⁷ Bernice State Park: Visitor interview date 9/4/2020. See Table 5.5.5-2 for visitor comment.

²⁸ Disney State Park: Visitor interview date 5/17/2020. See Table 5.5.5-2 for visitor comment.

²⁹ Honey Creek State Park: Visitor interview date 6/7/2020. No documented comment for either moderate problem rating.

³⁰ Honey Creek State Park: Visitor interview date 5/27/2020. No documented comment for the large problem rating.

³¹ Honey Creek State Park: Visitor interview date 6/28/2020. No documented comment for either moderate problem rating.

³² Little Blue State Park: Visitor interview date 5/12/2020. No documented comment for any moderate problem rating.

Interview Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		NP	SP	N	MP	LP	NA
State Park Sites (non-project) (129 interviewed visitors)							
• Twin Bridges Lower (17 Visitor)	Safely Swim	24%		29%	18% ^{33,37,38}	6% ³⁴	24%
	Launch/Take Out Boat	35%	6%	35%	12% ^{35,36}		12%
	Safely Boat	53%		35%			12%
	Fish Along Shoreline	47%		12%	18% ^{37,38,39}	6% ³⁴	18%
	Access Shoreline	41%	6%	12%	12% ^{37,38}		29%
	Use Docks	24%	6%	35%		6% ³⁴	29%
	Scenic Quality	59%	6%	12%	6% ³⁹		18%
• Twin Bridges Upper (7 Visitors)	Safely Swim	29%		43%			29%
	Launch/Take Out Boat	29%		43%			29%
	Safely Boat	29%		43%			29%
	Fish Along Shoreline	14%		57%			29%
	Access Shoreline	14%		57%			29%
	Use Docks	14%		57%			29%
	Scenic Quality	14%	29%	43%			14%
• Cherokee Main (10 Visitors)	Safely Swim	70%		10%			20%
	Launch/Take Out Boat	40%	10%	20%			30%
	Safely Boat	30%	10%	20%	10% ⁴⁰		30%
	Fish Along Shoreline	40%	10%	30%			20%
	Access Shoreline	70%		10%			20%
	Use Docks	20%		40%			40%
	Scenic Quality	60%	10%				30%
• Cherokee Lakeside (16 Visitors)	Safely Swim	81%		13%		6% ⁴¹	
	Launch/Take Out Boat	31%	6%	44%			19%
	Safely Boat	25%		44%	6% ⁴²		25%
	Fish Along Shoreline	31%		38%			31%
	Access Shoreline	38%	19%	19%			25%
	Use Docks	25%		44%			31%
	Scenic Quality	63%		6%		6% ⁴²	25%

Table 5.5.3-2 continued next page

³³ Twin Bridges Lower State Park: Visitor interview date 6/27/2020. No documented comment for the large problem rating.
³⁴ Twin Bridges Lower State Park: Visitor interview date 5/30/2020. See Table 5.5.5-2 for visitor comment.
³⁵ Twin Bridges Lower State Park: Visitor interview date 7/2/2020. No documented comment for the moderate problem rating.
³⁶ Twin Bridges Lower State Park: Visitor interview date 8/22/2020. No documented comment for the moderate problem rating.
³⁷ Twin Bridges Lower State Park: Visitor interview date 7/5/2020. See Table 5.5.5-2 for visitor comment.
³⁸ Twin Bridges Lower State Park: Visitor interview date 9/4/2020. See Table 5.5.5-2 for visitor comment.
³⁹ Twin Bridges Lower State Park: Visitor interview date 6/5/2020. See Table 5.5.5-2 for visitor comment.
⁴⁰ Cherokee Main State Park: Visitor interview date 7/18/2020. No documented comment for the moderate problem rating.
⁴¹ Cherokee Lakeside State Park: Visitor interview date 5/17/2020. No documented comment for the large problem rating.
⁴² Cherokee Lakeside State Park: Visitor interview date 5/17/2020. No documented comment for moderate or large problem ratings.

Interview Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		NP	SP	N	MP	LP	NA
State Park Sites (non-project) (129 interviewed visitors)							
• Cherokee Riverside (19 Visitors)	Safely Swim	21%	5%	37%		5% ⁴³	32%
	Launch/Take Out Boat		11%	42%		5% ⁴³	42%
	Safely Boat	11%	11%	42%			37%
	Fish Along Shoreline	37%	11%	21%	5% ⁴⁴		26%
	Access Shoreline	32%	26%	16%	5% ⁴⁴		21%
	Use Docks	11%		42%			47%
	Scenic Quality	53%	11%	11%			26%

Table 5.5.3-3: Visitor Rating Percentages for Reservoir Water Level at Public Access Sites

Interview Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		NP	SP	N	MP	LP	NA
Public Access Sites (non-project) (22 interviewed visitors)							
• Connors Bridge (6 Visitors)	Safely Swim	17%		33%			50%
	Launch/Take Out Boat	17%	17%	50%			17%
	Safely Boat		17%	50%			33%
	Fish Along Shoreline	50%			17% ⁴⁵		33%
	Access Shoreline	67%			33% ^{45,46}		
	Use Docks			50%			50%
	Scenic Quality	67%	17%				17%
• Council Cove (3 Visitors)	Safely Swim	33%		33%			33%
	Launch/Take Out Boat	33%		33%	33% ⁴⁷		
	Safely Boat	67%		33%			
	Fish Along Shoreline	33%		33%			33%
	Access Shoreline	100%					
	Use Docks			100%			
	Scenic Quality	100%					

Table 5.5.3-3 continued next page

⁴³ Cherokee Riverside State Park: Visitor interview date 5/30/2020. See Table 5.5.5-2 for visitor comment.

⁴⁴ Cherokee Riverside State Park: Visitor interview date 5/27/2020. See Table 5.5.5-2 for visitor comment.

⁴⁵ Connors Bridge: Visitor interview date 8/22/2020. See Table 5.5.5-3 for visitor comment.

⁴⁶ Connors Bridge: Visitor interview date 5/17/2020. No documented comment for the moderate problem rating.

⁴⁷ Council Cove: Visitor interview date 8/16/2020. See Table 5.5.5-3 for visitor comment.

Interview Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		NP	SP	N	MP	LP	NA
Public Access Sites (non-project) (22 interviewed visitors)							
• Riverview Park (5 Visitors)	Safely Swim		20%	20%	40% ^{48,49,50}	20% ⁵⁰	
	Launch/Take Out Boat	20%			20% ⁴⁹	20% ⁵¹	40%
	Safely Boat	40%			20% ⁴⁹		40%
	Fish Along Shoreline	60%	20%		20% ⁵²		
	Access Shoreline	60%	20%		20% ⁵²		
	Use Docks	40%				20% ⁵¹	40%
	Scenic Quality	60%		20%		20% ⁵²	
• Spring River (6 Visitors)	Safely Swim	17%	17%	17%		33% ^{53,54}	17%
	Launch/Take Out Boat	50%		17%	33% ^{53,55}		
	Safely Boat	50%	17%	17%		17% ⁵⁴	
	Fish Along Shoreline	83%	17%				
	Access Shoreline	67%	33%				
	Use Docks			50%		17% ⁵⁴	33%
	Scenic Quality	83%	17%				
• River Channel Sites (2 Visitors)	Safely Swim					50% ⁵⁶	50%
	Launch/Take Out Boat					50% ⁵⁶	50%
	Safely Boat					50% ⁵⁶	50%
	Fish Along Shoreline	50%					50%
	Access Shoreline				50% ⁵⁶		50%
	Use Docks					50% ⁵⁶	50%
	Scenic Quality	50%					50%

⁴⁸ Riverview Park: Visitor interview date 7/18/2020. See Table 5.5.5-3 for visitor comment.

⁴⁹ Riverview Park: Visitor interview date 5/12/2020. No documented comment for any moderate problem ratings.

⁵⁰ Riverview Park: Visitor interview date 7/18/2020. See Table 5.5.5-3 for visitor comment.

⁵¹ Riverview Park: Visitor interview date 8/8/2020. No documented comment for either large problem rating.

⁵² Riverview Park: Visitor interview date 5/23/2020. No documented comment for any moderate or large problem ratings.

⁵³ Spring River: Visitor interview date 5/23/2020. No documented comment for either moderate or large problem rating.

⁵⁴ Spring River: Visitor interview date 5/27/2020. No documented comment any large problem ratings.

⁵⁵ Spring River: Visitor interview date 8/22/2020. See Table 5.5.5-3 for visitor comment.

⁵⁶ River Channel Sites: Visitor interview date 5/17/2020. No documented comment for any moderate or large problem ratings.

5.5.4 Visitor Rating for Recreation Activities in the Grand Lake Area

Each of the 163 interviewed visitors were asked to rate the following ten recreation activities the visitor has participated in at any survey site in the Grand Lake area⁵⁷: bank fishing, boat fishing, pleasure boating, personal water crafting, picnicking, swimming, sight-seeing, hunting, rafting, and wildlife viewing. All ten recreation activities may or may not be formally available at each surveyed site. **Table 5.5.4-1** includes which activities are formally available at each site; these are indicated with an “x”. The rating choices for each of the ten recreation activities include totally acceptable (TA), acceptable (A), neutral (N), unacceptable (UN), and totally unacceptable (TU). If a visitor chose not to provide a rating, it is indicated under the not rated (NR) column. **Table 5.5.4-2** includes information collected for the FERC-approved sites, **Table 5.5.4-3** includes the state park sites (non-project), and **Table 5.5.4-4** includes the public access sites (non-project). No visitors indicated they participated in any recreation activities at Willow Park; therefore, this site is not included in **Table 5.5.4-3**.

Table 5.5.4-1: Formal Recreation Amenities at Surveyed Sites in the Grand Lake Area

Survey Site	Formal Recreation Amenities ⁵⁸									
	Bank Fishing	Boat Fishing	Pleasure Boating	Water Crafting	Picnicking	Swimming	Sight-Seeing	Hunting	Rafting	Wildlife Viewing
FERC-Approved Sites										
• Big Hollow	x	x	x	x						
• Duck Creek	x	x	x	x						
• Monkey Island	x	x	x	x						
• Seaplane Base	x	x	x	x						
• Wolf Creek	x	x	x	x	x	x				
State Park Sites (non-project)⁵⁹										
• Bernice	x	x	x	x	x	x	x			x
• Disney	x	x	x	x	x					
• Honey Creek	x	x	x	x	x	x				x
• Little Blue	x				x	x				
• Twin Bridges Lower	x	x	x	x	x		x			x
• Twin Bridges Upper	x				x		x			x
• Cherokee Main	x				x					
• Cherokee Lakeside	x	x	x	x	x	x				
• Cherokee Riverside	x	x	x	x	x					
Public Access Sites (non-project)										
• Connors Bridge	x	x	x	x						
• Council Cove	x	x	x	x	x					
• Riverview Park	x	x	x	x	x					
• Spring River	x	x	x	x						
• Willow Park	x	x	x	x						
• River Channel Sites	x									

⁵⁷ Data collected on 5/27/2020 at the Spring River recreation site (objectid 71) is suspect (i.e., all recreation sites received the identical rating for each of the 10 recreation activities). Data regarding recreation in the Grand Lake area for objectid 71 is not included in any Section 5.5.4 table.

⁵⁸ Information obtained from site visit.

⁵⁹ Additional information obtained from www.travelOK.com.

Visitors were asked to rate hunting and wildlife viewing to gain useful data for off-season participation in land-based activities. One visitor listed hunting as a previous activity at Seaplane Base (FERC-approved site), one visitor listed hunting as both a current and previous activity at Bernice State Park, and two visitors listed hunting as a previous activity at Little Blue State Park. Hunting was rated as acceptable at Honey Creek State Park, Little Blue State Park, Riverview Park, and river channel sites. Hunting was rated as unacceptable at Twin Bridges Lower State Park. It is worth noting hunting is not allowed at any of the sites included in this survey, with exception of the river channel sites. Wildlife viewing was a popular recreation use, with 13 visitors reporting the activity as both a current and past use at Seaplane Base (FERC-approved site), Twin Bridges State Upper Park, Honey Creek State Park, Cherokee Lakeside State Park, Little Blue State Park, Cherokee Riverside State Park, Spring River, Riverview Park, and Connors Bridge. Wildlife viewing was rated as a totally acceptable and/or acceptable activity at all 20 recreation sites.

Table 5.5.4-2: Visitor Ratings for Recreation Activities at FERC-Approved Sites in the Grand Lake Area

Survey Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
FERC-Approved Sites							
• Big Hollow (2 visitor responses)	Bank Fishing		50%	50%			
	Boat Fishing	50%		50%			
	Pleasure Boating	50%	50%				
	Water Crafting	50%	50%				
	Picnicking			50%	50% ⁶⁰		
	Swimming		50%	50%			
	Sight-Seeing		50%	50%			
	Hunting			100%			
	Rafting			100%			
	Wildlife Viewing			100%			
• Duck Creek (6 visitor responses)	Bank Fishing	17%	50%	33%			
	Boat Fishing	17%	33%	50%			
	Pleasure Boating	17%	17%	67%			
	Water Crafting	17%	33%	50%			
	Picnicking	17%	33%	33%		17% ⁶¹	
	Swimming		67%	33%			
	Sight-Seeing	17%	67%	17%			
	Hunting			100%			
	Rafting			100%			
	Wildlife Viewing			100%			

Table 5.5.4-2 continued next page

⁶⁰ Big Hollow: this FERC-approved site does not provide formal picnicking amenities, unacceptable rating received 5/12/2020.

⁶¹ Duck Creek: this FERC-approved site does not provide formal picnicking amenities, totally unacceptable rating received 5/13/2020.

Survey Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
FERC-Approved Sites							
<ul style="list-style-type: none"> • Monkey Island (7 visitor responses) 	Bank Fishing	14%	43%	43%			
	Boat Fishing	14%	29%	57%			
	Pleasure Boating	14%	29%	57%			
	Water Crafting	14%	43%	43%			
	Picnicking		43%	57%			
	Swimming	29%	29%	43%			
	Sight-Seeing		57%	43%			
	Hunting			100%			
	Rafting		14%	86%			
	Wildlife Viewing		14%	86%			
<ul style="list-style-type: none"> • Seaplane Base (2 visitor responses) 	Bank Fishing		100%				
	Boat Fishing		100%				
	Pleasure Boating		50%	50%			
	Water Crafting	50%		50%			
	Picnicking	50%	50%				
	Swimming	50%	50%				
	Sight-Seeing	50%		50%			
	Hunting	50%		50%			
	Rafting			100%			
	Wildlife Viewing	50%		50%			
<ul style="list-style-type: none"> • Wolf Creek (11 visitor responses) 	Bank Fishing	18%	73%	9%			
	Boat Fishing	18%	18%	55%			9%
	Pleasure Boating	9%	27%	55%			9%
	Water Crafting	9%	9%	73%			9%
	Picnicking	9%	18%	64%			9%
	Swimming	9%	36%	55%			
	Sight-Seeing	18%	18%	64%			
	Hunting			91%			9%
	Rafting	18%	9%	73%			
	Wildlife Viewing	9%	9%	73%			9%

Table 5.5.4-3: Visitor Ratings for Recreation Activities at State Park Sites in the Grand Lake Area

Survey Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
State Park Sites (non-project)							
• Bernice (37 visitor responses)	Bank Fishing	3%	43%	49%	5% ⁶²		
	Boat Fishing	3%	24%	68%			5%
	Pleasure Boating	5%	22%	68%			5%
	Water Crafting	5%	16%	73%			5%
	Picnicking	5%	49%	43%	3% ⁶³		
	Swimming	5%	54%	35%	5% ⁶⁴		
	Sight-Seeing	5%	32%	59%	3% ⁶⁵		
	Hunting			97%			3%
	Rafting		11%	86%			3%
	Wildlife Viewing	3%	3%	92%			3%
• Disney (14 visitor responses)	Bank Fishing	7%	50%	36%			7%
	Boat Fishing	7%	36%	57%			
	Pleasure Boating	7%	7%	86%			
	Water Crafting	7%	7%	79%			7%
	Picnicking	7%	21%	71%			
	Swimming	7%	21%	71%			
	Sight-Seeing	7%	50%	36%			7%
	Hunting			93%			7%
	Rafting		7%	71%	7% ⁶⁶		14%
	Wildlife Viewing		21%	79%			
• Honey Creek (24 visitor responses)	Bank Fishing	8%	33%	54%	4% ⁶⁷		4%
	Boat Fishing	12%	20%	60%	8% ⁶⁸		
	Pleasure Boating	8%	28%	64%			
	Water Crafting		12%	88%			
	Picnicking	8%	64%	28%			
	Swimming	4%	40%	44%	12% ⁶⁹		
	Sight-Seeing	8%	36%	52%			4%
	Hunting		4%	88%			8%
	Rafting		8%	84%	8% ⁷⁰		
	Wildlife Viewing		24%	76%			

⁶² Bernice State Park: bank fishing unacceptable ratings received 7/5/2020 (no documented visitor comment) and 8/16/2020 (see Table 5.5.5-2 for visitor comment).

⁶³ Bernice State Park: picnicking unacceptable rating received 7/25/2020, see Table 5.5.5-2 for visitor comment.

⁶⁴ Bernice State Park: swimming unacceptable ratings received 8/6/2020 and 9/4/2020, see Table 5.5.5-2 for visitor comments.

⁶⁵ Bernice State Park: sight-seeing unacceptable rating received 7/5/2020, no documented visitor comment.

⁶⁶ Disney State Park: this site does not provide formal rafting amenities, unacceptable rating received 5/17/2020.

⁶⁷ Honey Creek State Park: bank fishing unacceptable rating received 5/17/2020, no documented visitor comment.

⁶⁸ Honey Creek State Park: boat fishing unacceptable ratings received 7/2/2020 and 8/8/2020, see Table 5.5.5-2 for visitor comments.

⁶⁹ Honey Creek State Park: swimming unacceptable ratings received 6/27/2020, 7/25/2020, and 8/8/2020, no documented visitor comments.

⁷⁰ Honey Creek State Park: this site does not provide formal rafting amenities, unacceptable ratings received 6/10/2020 and 6/27/2020.

Survey Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
State Park Sites (non-project)							
<ul style="list-style-type: none"> Little Blue (29 visitor responses) 	Bank Fishing	31%	34%	31%			3%
	Boat Fishing	14%	10%	76%			
	Pleasure Boating	10%	7%	79%	3% ⁷¹		
	Water Crafting	7%	7%	86%			
	Picnicking	28%	38%	31%		3% ⁷²	
	Swimming	31%	55%	14%			
	Sight-Seeing	31%	31%	34%			3%
	Hunting	7%		93%			
	Rafting	10%	10%	79%			
	Wildlife Viewing	14%	24%	62%			
<ul style="list-style-type: none"> Twin Bridges Lower (32 visitor responses) 	Bank Fishing	16%	50%	25%	9% ⁷³		
	Boat Fishing	13%	38%	38%	6% ⁷⁴	3% ⁷⁵	3%
	Pleasure Boating	13%	19%	63%	3% ⁷⁶		3%
	Water Crafting	6%	9%	78%		3% ⁷⁷	3%
	Picnicking	3%	34%	56%	3% ⁷⁸		3%
	Swimming	6%	19%	63%	6% ⁷⁹	3% ⁸⁰	3%
	Sight-Seeing	3%	25%	66%			6%
	Hunting			91%	3% ⁸¹		6%
	Rafting		6%	84%	6% ⁸²		3%
	Wildlife Viewing		19%	78%			3%
<ul style="list-style-type: none"> Twin Bridges Upper (14 visitor responses) 	Bank Fishing	7%	21%	57%	7% ⁸³		7%
	Boat Fishing	7%	21%	57%			14%
	Pleasure Boating		21%	71%			7%
	Water Crafting		14%	79%			7%
	Picnicking	7%	57%	29%			7%
	Swimming		29%	64%			7%

⁷¹ Little Blue State Park: this site does not provide formal pleasure boating amenities, unacceptable rating received 5/12/2020.

⁷² Little Blue State Park: picnicking totally unacceptable rating received 8/22/2020, no documented visitor comment.

⁷³ Twin Bridges Lower State Park: bank fishing unacceptable ratings received 5/30/2020 (no documented visitor comment), 8/10/2020 (no documented visitor comment), and 9/4/2020 (see Table 5.5.5-2 for visitor comments).

⁷⁴ Twin Bridges Lower State Park: boat fishing unacceptable ratings received 8/8/2020 (no documented visitor comment) and 8/22/2020, (see Table 5.5.5-2 for visitor comments).

⁷⁵ Twin Bridges Lower State Park: boat fishing totally unacceptable rating received 6/27/2020, no documented visitor comment.

⁷⁶ Twin Bridges Lower State Park: pleasure boating unacceptable rating received 5/12/2020, no documented visitor comment.

⁷⁷ Twin Bridges Lower State Park: water crafting totally unacceptable rating received 5/17/2020, no documented visitor comment.

⁷⁸ Twin Bridges Lower State Park: picnicking unacceptable rating received 8/22/2020, no documented visitor comment.

⁷⁹ Twin Bridges Lower State Park: this site does not provide formal swimming amenities, both unacceptable ratings received 5/17/2020.

⁸⁰ Twin Bridges Lower State Park: this site does not provide formal swimming amenities, totally unacceptable rating received 5/30/2020.

⁸¹ Twin Bridges Lower State Park: this site does not provide formal hunting amenities, totally unacceptable rating received 5/17/2020.

⁸² Twin Bridges Lower State Park: this site does not provide formal rafting amenities, totally unacceptable rating received 5/17/2020.

⁸³ Twin Bridges Upper State Park: bank fishing unacceptable ratings received 5/17/2020, no documented visitor comment.

Survey Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
• Twin Bridges Upper (14 visitor responses)	Sight-Seeing	7%	43%	50%			
	Hunting			71%			29%
	Rafting	7%		86%			7%
	Wildlife Viewing	21%		71%			7%
• Cherokee Main (17 visitor responses)	Bank Fishing	12%	29%	47%			12%
	Boat Fishing	12%	29%	47%			12%
	Pleasure Boating	18%	12%	65%			6%
	Water Crafting	18%	6%	71%			6%
	Picnicking		47%	41%			12%
	Swimming		41%	47%			12%
	Sight-Seeing	6%	41%	53%			
	Hunting			88%			12%
	Rafting		6%	82%			12%
Wildlife Viewing		12%	82%			6%	
• Cherokee Lakeside (26 visitor responses)	Bank Fishing	8%	27%	50%	4% ⁸⁴	4% ⁸⁵	8%
	Boat Fishing	12%	8%	73%			8%
	Pleasure Boating	12%	12%	77%			
	Water Crafting	8%	8%	77%			8%
	Picnicking	12%	50%	35%			4%
	Swimming	4%	62%	27%			8%
	Sight-Seeing	12%	23%	58%			8%
	Hunting			92%			8%
	Rafting	4%		88%			8%
	Wildlife Viewing	4%	4%	85%			8%
• Cherokee Riverside (22 visitor responses)	Bank Fishing	18%	41%	36%	5% ⁸⁶		
	Boat Fishing	5%	23%	73%			
	Pleasure Boating		18%	82%			
	Water Crafting			95%			5%
	Picnicking	5%	41%	50%	5% ⁸⁷		
	Swimming	5%	27%	64%			5%
	Sight-Seeing	18%	27%	55%			
	Hunting			100%			
	Rafting	5%		86%			9%
	Wildlife Viewing	5%		91%			5%

⁸⁴ Cherokee Lakeside State Park: bank fishing unacceptable rating received 6/27/2020, no documented visitor comment.

⁸⁵ Cherokee Lakeside State Park: bank fishing totally unacceptable rating received 5/23/2020, no documented visitor comment.

⁸⁶ Cherokee Riverside State Park: bank fishing unacceptable rating received 5/27/2020, see Table 5.5.5-2 for visitor comments.

⁸⁷ Cherokee Riverside State Park: picnicking unacceptable rating received 5/22/2020, see Table 5.5.5-2 for visitor comments.

Table 5.5.4-4: Visitor Ratings for Recreation Activities at Public Access Sites in the Grand Lake Area

Survey Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
Public Access Sites (non-project)							
• Connors Bridge (9 visitor responses)	Bank Fishing	33%	67%				
	Boat Fishing	22%	11%	67%			
	Pleasure Boating	11%	11%	78%			
	Water Crafting		11%	89%			
	Picnicking		11%	89%			
	Swimming		33%	67%			
	Sight-Seeing		33%	67%			
	Hunting			100%			
	Rafting		11%	89%			
	Wildlife Viewing		33%	67%			
• Council Cove (3 visitor responses)	Bank Fishing	33%	33%	33%			
	Boat Fishing		33%	33%	33% ⁸⁸		
	Pleasure Boating			100%			
	Water Crafting			100%			
	Picnicking			100%			
	Swimming	33%		67%			
	Sight-Seeing			100%			
	Hunting			100%			
	Rafting			100%			
	Wildlife Viewing			100%			
• Riverview Park (4 visitor responses)	Bank Fishing	25%	25%	25%	25% ⁸⁹		
	Boat Fishing	50%		50%			
	Pleasure Boating		25%	75%			
	Water Crafting			75%	25% ⁹⁰		
	Picnicking		50%	50%			
	Swimming		25%	50%	25% ⁹¹		
	Sight-Seeing		100%				
	Hunting		25%	75%			
	Rafting			75%	25% ⁹²		
	Wildlife Viewing		50%	50%			

Table 5.5.4-4 continued next page

⁸⁸ Council Cove: boat fishing unacceptable rating received 8/22/2020, see Table 5.5.5-3 for visitor comments.

⁸⁹ Riverview Park: bank fishing unacceptable rating received 8/8/2020, see Table 5.5.5-3 for visitor comments.

⁹⁰ Riverview Park: water crafting unacceptable rating received 5/17/2020, no documented visitor comment.

⁹¹ Riverview Park: this site does not provide formal swimming amenities, unacceptable rating received 5/17/2020.

⁹² Riverview Park: this site does not provide formal rafting amenities, unacceptable rating received 5/17/2020.

Survey Site	Rating Criteria	Rating Scale Percentages					
		(some criteria may not add up to 100% due to rounding)					
		TA	A	N	U	TU	NR
Public Access Sites (non-project)							
<ul style="list-style-type: none"> • Spring River (5 visitor responses) 	Bank Fishing	20%	60%	20%			
	Boat Fishing	20%		80%			
	Pleasure Boating			100%			
	Water Crafting		20%	80%			
	Picnicking			80%			20%
	Swimming		20%	80%			
	Sight-Seeing		40%	60%			
	Hunting			100%			
	Rafting			100%			
	Wildlife Viewing		20%	80%			
<ul style="list-style-type: none"> • River Channel Sites (5 visitor responses) 	Bank Fishing	40%	40%	20%			
	Boat Fishing	60%	20%	20%			
	Pleasure Boating	40%		40%		20% ⁹³	
	Water Crafting	40%		40%	20% ⁹⁴		
	Picnicking	40%	20%	40%			
	Swimming	40%	60%				
	Sight-Seeing	40%	40%	20%			
	Hunting	20%	20%	60%			
	Rafting	20%	20%	60%			
	Wildlife Viewing	20%	20%	60%			

⁹³ River Channel sites: this site does not provide formal pleasure boating amenities, unacceptable rating received 5/17/2020.

⁹⁴ River Channel sites: this site does not provide formal water crafting amenities, unacceptable rating received 5/17/2020.

5.5.5 Visitor Comments for Survey Site and Recreation Amenities

Visitors were given the opportunity to provide comments on any of the 20 recreation sites included in the survey. Overall, most visitors were satisfied with the recreation sites and the available recreation amenities provided in the Grand Lake area. Favorable ratings of facilities and positive comments were received regarding specific campsites, nature trails, shoreline accessibility, clean bathrooms, and swimming areas. All the comments received from the visitor interviews are listed in the tables below.

Table 5.5.5-1 includes the comments for the FERC-approved sites, **Table 5.5.5-2** includes the state park sites (non-project), and **Table 5.5.5-3** includes the public access sites (non-project).

Table 5.5.5-1: Visitor Comments for FERC-Approved Sites

Interview Site	Comment Date (2020)	Visitor Interview Comments
FERC-Approved		
• Big Hollow	-	No additional comments received.
• Duck Creek	-	No additional comments received.
• Monkey Island	-	No additional comments received.
• Seaplane Base	5/30	It's a pretty decent lake.
• Wolf Creek	5/23	Great place to fish.
	5/30	Flooding often bad.
	6/5	It's very accessible and from what I can see the boats can be launched easily.
	6/7	Open more fishing spots. Open more places around Jay area. Docks are always flooded, only used once in the past four years.
	7/7	No public sandy beaches like at other lakes.

Table 5.5.5-2: Visitor Comments for State Park Sites (non-project)

Interview Site	Comment Date (2020)	Visitor Interview Comments
State Park Sites (non-project)		
• Bernice *unless noted otherwise	5/23	Like it here. Great park.
	5/30	Would like to see the rock cleared by the shoreline. Love the camp host! Very safe for kids. Great place to fish.
	6/5	We like it! Nice campground. One of our favorite campgrounds. Did not like the dumpster right by the shoreline view.
	6/10	Don't close the dam.
	6/10	Love the online reservation! Shoreline view ten out of ten.
	6/28	Swimming sometimes hazardous.
	6/28	Need to remove the merry go round, it's a safety issue.
	7/2	Nice nature center. Plenty area to swim. Favorite place to go. Put in bathroom connection for RVs/campers.
	7/5*	Bernice is crowded to camp. (Interview site: Twin Bridges Upper)
	7/25	Love the nature walk! It has some great views of the lake. Loved being close to the restrooms. Picnic table is very unstable and not trustworthy to sit on.
7/25	Really like the camp host. Really great access to shoreline, one of the best we have seen so far.	

Interview Site	Comment Date (2020)	Visitor Interview Comments
State Park Sites (non-project)		
	8/5	Need more trees and landscaping closer to the exit for shade. Great peaceful, not a crowded area. Has great access to the shoreline.
	8/10	Add a water slide, add a floating trampoline. Trash.
	8/16	Beach is a little rocky would like more sand or something easier to walk on.
	8/16	More shade trees for camping spots. Add boat dock for fishing and loading into boats.
	8/22	Bathroom needs better locks for female bathroom. Shade trees are great, might want to add more for other camping spots. Love this area, it is on our list for places to stay!
	8/22*	Location underneath the bridge needs more sideline bank fishing. Mainly find more places for people to fish on the bank. (Interview site: Connors Bridge)
	9/4	Trash left by other visitors. More lighting for the kids to go to the bathroom. Rock on the beach makes it painful to swim.
	9/4	Online program is awful and needs to be fixed. I had reservation and got kicked out because of a mistake. The camp host was not understanding. Camping sites needs more trees. Boat ramps are terrible, open up Snowdale (a great park with boat ramps).
	9/4	Please add sewers to each camp spot. Boat ramps are awful, I pay \$5 at the other side of the lake to put my boat in. Quiet park on the weekdays.
<ul style="list-style-type: none"> • Disney <p>*unless noted otherwise</p>	5/17	I love it! Dam hotel is a great place to shop!
	5/17	Like the fresh air! Nice scenic areas.
	5/17	When the flood gates are open there are no places to use boat ramp on other side that are close, have to travel drowning creek.
	5/17*	"Cops are kinda jerks at Disney." (Interview site: river channel sites)
	6/7	Nice seating areas. Roads are nice and curve. Need more trash cans and coolers at each picnic table.
	6/27	Don't think there are enough motoring.
	8/8	It's beautiful out by the lake.
<ul style="list-style-type: none"> • Honey Creek <p>*unless noted otherwise</p>	5/17	All good.
	5/27	Better bathroom cleaning, floor can be slippery. Need lock on some bathrooms since restrooms are public, the town will take showers and leave the restrooms unusable to the campers. Online reservation is hard for seniors. Love the camp host!
	6/7	Turn off on Main Street is a little tight.
	6/10*	Honey creek can be crowded. (Interview site: Bernice)
	6/27	It's absolutely beautiful.
	6/27	Women's shower does not work.
	6/28	Cleanest bathroom. Bathrooms are very clean.
	6/28	Bathrooms are always clean.
	7/2*	Honey creeks boat ramp has a very big drop off, do not like to use it because of it. (Interview site: Twin Bridges Lower)
	7/18	It's good place to come.

Interview Site	Comment Date (2020)	Visitor Interview Comments
State Park Sites (non-project)		
	7/25*	Honey creek can be a little cramped together. (Interview site: Bernice)
	8/8	Liked when we could park the trailer after unloading. It is hard to unload by yourself and can feel very rushed because of no available parking after unloading boat close to the boat ramp.
	8/8	RV site closest to the water has a tree way too close to the RV station that needs to be taken down.
• Little Blue *unless noted otherwise	5/12	Use of trash cans, people need to use them.
	5/17	Love to swim in little blue! Great place for a family.
	5/22	Brings back childhood memories. Nice clean facilities.
	5/22	It's close to my ice cream store.
	5/23	Noise complaint at night on the county road leading to the park.
	5/27	It's beautiful down here. Nice people!
	7/5*	Little Blue is not as nice, left over trash and dead fish everywhere. (Interview site: Cherokee Main)
	6/27	Put in showers.
	7/7	Trashy and bathrooms are gross. Have to be careful getting down to swimming area.
	7/25	Need more grass.
	7/25	Need more tables. Keep dogs on leash. Like scenic quality of waterfall.
	8/22*	Little Blue a has a lot of trash around at site. (Interview site: Twin Bridges Lower)
	8/27	Need RV hook ups, more parking, better roads to get to sites.
• Twin Bridges Lower *unless noted otherwise	5/23	Crowed RV camping on the riverside of the facility.
	5/30	Bathrooms not open due to Covid-19. Camps need to sell more groceries. Firewood is super wet.
	5/30	Boat ramps ruin the fishing for the shoreline. Cannot fish off the dock which doesn't allow for little kids to learn. Not safe for little kids to swim due to boating. Can become very packed and people can become rude. Open up the other restrooms.
	6/5	Area is great to fish when it's not flooded. Boat ramp needs to be fixed. There is a hole on the bottom section of the boat ramp. Fix the top part not the bottom!
	6/10	It's enjoyable. Relaxing.
	6/27	No parking fees. Dislike them. Too much.
	7/5	More handicap accessible spots/locations for fishing and swimming. Cannot get down to the water. Bathrooms are decent shape.
	7/25	Swimming areas designated at Twin Bridges Lower would be nice. Nice spaces for camping.
	8/10*	Trash. (Interview site: Bernice)

Interview Site	Comment Date (2020)	Visitor Interview Comments
State Park Sites (non-project)		
	8/16	Would be nice if you could have someone pick up along the shorelines. It's sad that people do not take care of their own trash. Trash along the shoreline.
	8/16	Can get really crowded. Visitor cleans fish at Twin Bridges.
	8/22	Unlock the bathrooms. Fix the boat ramp underneath the water. Please give another alternative for people who do not use technology to reserve camping spots. A lot of trash around the site.
	8/22	Fix boat ramps.
	9/4	More wooden picnic tables would be nice for larger groups. Bank fishing needs more areas to fish without all the extra stuff in the way. Could use some more docks for boaters. It's a nice park.
	9/6	Probably the best campgrounds in the state.
<ul style="list-style-type: none"> • Twin Bridges Upper *unless noted otherwise	6/10	Take really good care of the facility.
	7/5	Nice roads for hiking. Nature trail is unsafe for kids. Would like the office to sell ice. Like the online reservation. Does not like fee increases. Fee increase could be deciding factor between state parks and Corps parks.
	7/25	Does not like crossing the highway to go to the restroom.
	7/30	Love this area the best. Has great shade and is not crowded.
	8/5	Do it every year. Twin bridges upper does not see much shoreline.
	8/10*	Trash. (Interview site: Bernice)
	8/16	Clean up around the shoreline would be nice. Bathrooms are old but clean.
	9/6*	Would like more showers. (Interview site: Twin Bridges Lower)
<ul style="list-style-type: none"> • Cherokee Main 	5/17	Usually fishes at Hudson Lake.
	5/22	Place is clean, people are nice.
	5/22	Need dump station hook up supply.
	5/22	Need water supply to connect to.
	7/18	Trash cans would be nice!
	7/25	Dock at Cherokee main. Raise speed limit over bridge. Less police harassment.
	8/8	Water connection for the RVs would be nice. Bigger signage would be nice.
<ul style="list-style-type: none"> • Cherokee Lakeside 	5/12	Beautiful place with beautiful people!
	5/30	Prefers sand back.
	6/7	Bathrooms are great! Very taken care of.
	6/27	Reservation locations are not right on website.
	6/27	Kids are crazy with the bikes. Revamping in bathrooms. Showers are great.

Interview Site	Comment Date (2020)	Visitor Interview Comments
State Park Sites (non-project)		
	6/27	Open up Snowdale! Online reservations are confusing with locations.
	6/27	Need 50 Amp service.
	7/5	Thankful it's here.
	7/5	A problem with accessibility for handicapped people.
	7/18	Like the accessibility of it. People can be a little noisy.
	8/5	"The website sucks", keep having to put in your information repeatedly.
	8/8	Websites to reserve is trash, it is very misleading.
• Cherokee Riverside	5/12	Enjoyed the scenic qualities and wildlife.
	5/17	Beautiful space. First time experience was awesome. Trash on fishing banks and bridge. Would like recycling options. Emergency light goes off in camp that makes me concerned.
	5/17	Great spacing from other neighbors. Trees are very scenic.
	5/22	More picnic areas. More play grounds.
	5/23	Spent 3 hours here morning and evening, bathrooms are never cleaned. There is a lot of trash litter.
	5/27	Was told we could fish in flooded area by camp host, but was asked to leave by police. Had to access the shoreline on the non-flooding side (east) to fish. Wish Oklahoma would put more money into their state parks since so many people use them.
	5/27	Other side of riverside needs electric! Concerned with random people that are not park campers driving though or staying in the park.
	5/30	Need electrics at west side. Need more boat access, need boat ramp access when park is closed. Need keypad on bathroom. Public restroom needed at other sites in area to avoid late night traffic.
	6/5	When the water is low, I'm frustrated the yellow gate is closed because I can't get to the fishing spots downstream in my boat.
	6/7	Everything is fine.
	6/27	Bathrooms are gross.
	6/28	Nice shade and green! Improve bathrooms and put in showers.
	6/28	Being close to the restrooms. Location is misleading.
	7/5	Really clean.
	7/5	Upset that you can't camp Lindley's point anymore.
7/25	Make shoreline/fishing spots more accessible for elderly people. Level areas to walk on/dock or bridge to cross over towards the dam area.	

Table 5.5.5-3: Visitor Comments for Public Access Sites (non-Project)

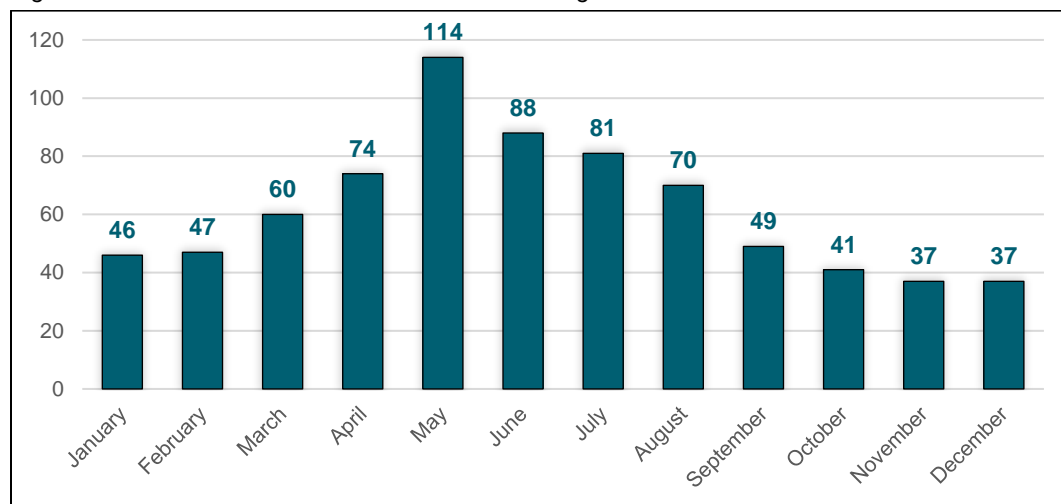
Interview Site	Comment Date (2020)	Visitor Interview Comments
Public Access Sites (non-project)		
• Connors Bridge	5/23	Need trash can to limit trash around site. Concerned about the people fishing from the bridge area. Place can get really muddy and tends to smell.
	5/30	Floods once or twice if it rains enough.
	7/5	Trash cans would be nice. Cut some tree limbs, but not too much because we like the shade. Would like if they would clear the grass near the shore more often.
	8/22	Sailboat bridge - put some places for people to fishing. Clean out brush for access and safer use. Mainly find more places for people to fish on the bank.
• Council Cove <small>*unless noted otherwise</small>	5/23	Trash cans. Lots of trash around the sight. Would not trust cars going down to the boat ramp due to eroded roads.
	6/27	Not as crowded as Sycamore.
	8/16	It is more difficult to launch a boat, but this makes people come here less so it is less crowded to fish.
	8/22*	Fix boat ramps. (Interview site: Spring River).
• Riverview Park	7/18	Site A: complaints about losing tackle because of river debris.
	8/8	Site A: boat ramp needs dock to access boats when muddy.
	7/18	Site B: mow along the shoreline and raise the water level.
• Spring River	5/17	Public docks not user friendly.
	6/7	Shimmer horn ⁹⁵ swimming problematic due to current, venomous snakes.
	6/10	Areas can become trashy due to people not taking care of their own trash. Great view of the river.
	8/22	Would like to see the trash at the locations be improved. Put out trash cans and signs to help with the trash issue. Boat ramp needs to be widened and fixed below the water. Add senior fishing.
• Willow Park	-	No comments received.
• River Channel Sites	5/17	It's an awesome lake!

5.5.6 Visitor Usage of the Grand Lake Area (12-month period)

While most interview questions compiled data for specific activities and recreation sites visited between May and September, input regarding visitor usage of the Grand Lake area over a 12-month period was also collected during visitor interviews. **Figure 5.5.6-1** summarizes the usage data collected from visitors. Based on those interviewed, visitors recreated in the Grand Lake all year-round. Based on a calendar year, visitor use gradually increased from January to April, more often from April through August, with a notable increase in use from April to May and a notable decrease from May to June.

⁹⁵ Unable to interpret if this comment is referring to the Spring River recreation site.

Figure 5.5.6-1: Grand Lake Area Recreation Site Usage for a 12-Month Period



5.6 Recreation Facility Inventory

An inventory of recreation facilities at each of the 20 sites was completed on September 22 and 23, 2020. As discussed in [Section 4.3](#), each facility was assigned a rating according to the following scale:

- N: Needs Replacement (broken or missing components, or nonfunctional)
- R: Needs Repair (structural damage or otherwise in obvious disrepair)
- M: Needs Maintenance (ongoing maintenance issue, primarily cleaning or surface grading)
- G: Good Working Condition (functional and well maintained)

5.6.1 FERC-Approved Sites

Table 5.6.1-1 summarizes each FERC-approved site facility condition assessment and lists the number of amenities available at each site. All amenities are assigned a rating of G, unless noted otherwise in a footnote. The following sections provide additional information gathered at each site during the assessment.

Table 5.6.1-1: FERC-Approved Site Facility Condition Assessment Summary

Grand Lake Area Recreation Site	Amenity (assigned a G rating, unless noted otherwise)						
	Boat Launch Ramp/Lane	Dock or Pier	Mooring Dock	Pavilion	Picnic Table	Restroom	Trash Receptacle
FERC-Approved							
• Big Hollow	1 ⁹⁶	-	-	-	-	-	-
• Duck Creek	1	-	-	-	-	-	-
• Monkey Island	1 ⁹⁷	-	-	-	-	-	-
• Seaplane Base	1	-	-	-	-	-	-
• Wolf Creek ⁹⁸	6	1	4	1	6	1	7

⁹⁶ Big Hollow boat launch ramp/lane rating = M, gravel needs grading.

⁹⁷ Monkey Island boat launch ramp/lane rating = M, grade access drive.

⁹⁸ Wolf Creek: each facility type provides barrier-free access.

5.6.1.1 Big Hollow

Big Hollow is located on the east side of Grand Lake in a rural and relatively remote area in Delaware County. The site is maintained by GRDA. The one facility at this site is a concrete boat launch ramp with a gravel approach. The boat launch ramp was rated G and is in good condition; however, the gravel needs grading. There is no parking at the site. There are no signs directing the public to the site or at the site. No visitors were observed using Big Hollow during the site surveys or the assessment. This site is directly surrounded by private homes and a private boat ramp.

5.6.1.2 Duck Creek

Duck Creek is located north of the town of Ketchum and is maintained by GRDA. The one facility at the site is a boat launch ramp which was rated as G and is in good condition. A note was made that some of the boat ramp concrete is broken⁹⁹, most likely due to the deep river channel. The gravel parking lot has approximately six double/trailer parking spaces. The parking area was rated G and is in good condition. Signage includes one wooden Facility ID sign, one regulation sign regarding deep water, and two directional signs along State Highway 85. All but one sign is in good condition.

5.6.1.3 Monkey Island

Monkey Island is located centrally on Grand Lake and is maintained by GRDA. The one facility at the site is a boat launch ramp which was rated as M and needs maintenance. The parking area is asphalt and unmarked with approximately 15 double/trailer parking spaces. The access drive was rated as M and needs maintenance. There are no signs at or near the site. One golf course sign near the entrance of the public access area notes that pedestrian access is prohibited, which may cause confusion as to accessing Monkey Island site.

5.6.1.4 Seaplane Base

Seaplane Base is located on the west side of Grand Lake in a rural and relatively remote area northeast of the town of Cleora. The site is maintained by GRDA. The one facility at the site is a concrete boat launch ramp with a gravel approach. The boat ramp was rated as G and is in good condition. The parking area has a gravel surface with approximately nine unmarked double/trailer parking spaces. The parking area was rated as M and needs maintenance. There is no signage at or near the site.

5.6.1.5 Wolf Creek

Wolf Creek is located on the northeastern portion of Grand Lake in the city of Grove and is maintained by the City. Site facilities include six boat launch ramps, one dock/pier, four mooring docks, one pavilion with a weighing live tank, six picnic tables, one large restroom facility, and seven trash receptacles. This site includes three areas dominated by parking. The north area includes only parking. The south area includes parking, restrooms, and camping refuse depository. The area also includes parking sites, barrier-free ramps and docks, and a swimming area. The restrooms, trash receptacles, and one picnic table are also barrier-free. All facilities were rated as G and in good condition.

The extensive parking areas are surfaced with both asphalt and concrete. There are a total of 413 parking spaces within the three areas. Most (353) of the parking spaces are double/trailer spaces; there are 51 standard parking spaces and 17 barrier-free parking spaces (standard and double sized). Signage at the site includes one Facility ID sign, six directional signs, and multiple regulation signs. Directional signs are also present along the major road outside the facility.

⁹⁹ The boat ramp was re-surfaced by GRDA in late 2020, after the facility assessment was completed on September 22, 2020.

5.6.2 State Park Sites

Table 5.6.2-1 summarizes each state park site facility condition assessment and lists the number of amenities available at each site. All amenities are assigned a rating of G, unless noted otherwise in a footnote. The following sections provide additional information gathered at each site during the assessment.

Table 5.6.2-1: State Park Site Facility Condition Assessment Summary

Grand Lake Area Recreation Site	Amenity (assigned a G rating, unless noted otherwise)						
	Boat Launch Ramp or Lane	Dock or Pier	Mooring Dock	Pavilion	Picnic Table	Restroom	Trash Receptacle
State Park Sites (non-project)							
• Bernice ¹⁰⁰	2 ¹⁰¹	1 ¹⁰²	-	1	Many	3	5
• Disney	3	-	-	-	2	-	-
• Honey Creek	1	1	1	2	Many	3	5
• Little Blue	-	-	-	-	-	5	3
• Twin Bridges Lower ¹⁰³	2	-	1	1	4	1	2
• Twin Bridges Upper ¹⁰⁴	-	-	-	5	Many	10	5
• Cherokee Main ¹⁰⁵	-	-	-	1	-	1	-
• Cherokee Lakeside ¹⁰⁶	1	-	-	1	3	1	3
• Cherokee Riverside ¹⁰⁷	-	-	-	1	1	3	4

5.6.2.1 Bernice State Park

Bernice State Park is part of the OTRD state park system and is maintained by OTRD. The site is centrally located on the east side of Grand Lake in the town of Bernice. Facilities include two boat launch ramps, one dock, one pavilion, multiple picnic tables, three restrooms, four dumpsters, and one trash can. There are also 33 RV campsites and 27 tent campsites, each include electricity and water hookup and picnic tables. Additionally, the site includes playground equipment, a nature center, a barrier-free nature trail, two wildlife watch towers, and a swimming area.

All parking areas are asphalt paved and include spaces at each campsite, five regular and two barrier-free parking spaces at the pavilion, 15 spaces at the nature center and trailhead, and regular and barrier-free parking at restroom locations. Parking near the boat ramp is asphalt paved but spaces are not well marked. Parking also occurs on unpaved areas in and around the boat ramps. There are many signs including a large Facility ID sign at the park entrance, which is visible from the road; multiple regulation

¹⁰⁰ Bernice State Park: restroom provides barrier-free access.

¹⁰¹ Bernice State Park boat launch rating = G / M, one launch is in good condition, the other needs concrete work.

¹⁰² Bernice State Park dock/pier was not in place at the time of the survey and therefore the condition could not be rated.

¹⁰³ Twin Bridges State Park Lower: mooring dock, pavilion, and restroom provide barrier-free access.

¹⁰⁴ Twin Bridges State Park Upper: pavilion provides barrier-free access.

¹⁰⁵ Cherokee State Park, Main: pavilion provides barrier-free access.

¹⁰⁶ Cherokee State Park, Lakeside: pavilion and restroom provide barrier-free access.

¹⁰⁷ Cherokee State Park, Riverside: pavilion, restroom, and trash receptacles provide barrier-free access.

signs, including lakeside; and metal interpretive signs at the trailhead and along the trail. All signs were rated as G and in good condition.

5.6.2.2 Disney State Park

Disney State Park is part of the OTRD state park system and is maintained by OTRD. The small site is located on the southern end of Grand Lake, is divided by State Highway 28, and is adjacent to one of the Pensacola spillways. All facilities are located on the north side of the highway and include three boat launch lanes, two picnic tables, and four primitive campsites with picnic tables and grills. No facilities are located on the south side. The parking area is asphalt paved and parking spaces are not defined. The site includes a roadside Facility ID sign, regulation signs, and one interpretive sign (south side of highway). Facilities, parking, and signage are all rated as G and in good condition.

5.6.2.3 Honey Creek State Park

Honey Creek State Park is part of the OTRD state park system and is maintained by OTRD. The site is centrally located on the east side of Grand Lake in the city of Grove. This site has high usage and many facilities that include one boat launch ramp, one dock, one mooring dock, two pavilions, three restroom facilities (one with showers), and five trash receptacles. There are 39 RV campsites, each include electricity and water hookup and picnic tables. There are multiple primitive tent campsites and day use picnic tables. The park also has a swimming pool, playground, visitor center/office/gift shop, fishing pier, and fish cleaning station. The boat ramp has broken concrete in some areas but is usable. All the facilities were rated as G and in good condition.

Parking areas are all asphalt paved. The parking area designated for boats is not well marked and has approximately eight to ten double/trailer parking spaces. There are also marked regular and barrier-free parking spaces at the restroom facilities and pool. The site includes regulation signs, as well as directional signs on the State Park Road leading to the site. Parking and signage were rated as G and in good condition.

5.6.2.4 Little Blue State Park

Little Blue State Park is part of the OTRD state park system and is maintained by OTRD. The site is located south of the town of Tijuana on the river channel below a spillway. This site has high usage and minimal facilities that include five restrooms (four portable and one latrine) and three trash receptacles. There are 18 primitive campsites, each with a picnic table, grill, and fire ring but no designated parking. The only marked and maintained parking area is located along the western end of a paved loop road. This area is asphalt paved and includes five standard parking spaces. Most parking at the site occurs on unpaved areas along the loop road and to the west of the loop closer to the river channel. Swimming is a popular activity at the site but there is no designated swimming area(s). The site includes one Facility ID sign at the park entrance and some interpretive/regulation signs along Summer Creek. All the facilities, parking, and signage were rated as G and in good condition.

5.6.2.5 Twin Bridges Lower State Park

Twin Bridges Lower State Park is part of the OTRD state park system and is maintained by OTRD. The lower portion has lake access and is located on the north end of Grand Lake at the convergence of the Neosho and Spring Rivers. Facilities include two boat launch ramps, one mooring dock, one pavilion, four picnic tables, one restroom, and two trash receptacles. There are also 16 camping sites with electric and water hook ups, grills, and picnic tables, as well as one fish cleaning station. All facilities were rated as G and in good condition.

The parking area and roads were paved with asphalt and in good condition. There are multiple parking spaces associated with each camping spot and 36 marked, double parking spaces near the boat ramps. Approximately 25 single parking spaces are available near the park entrance and five single spaces associated with a pavilion. Parking is also available in a gravel lot on the east side of the site along the water. Signage at the site includes a Facility ID sign that is visible from the road and multiple regulation signs regarding fishing.

5.6.2.6 Twin Bridges Upper State Park

Twin Bridges Upper State Park is part of the OTRD state park system and is maintained by OTRD. The upper portion does not have lake access and is divided into east and west areas by State Highway 137. Facilities include five pavilions, numerous picnic tables, ten restrooms, and at least five trash receptacles. There are also 18 tent camping sites with picnic tables, five cabins, multiple playgrounds, one volleyball court, one basketball court, a nature center/office building and 35 RV campsites with electricity, water, and picnic tables. All facilities were rated as G and in good condition.

Most parking is associated with campsite, restroom, and pavilion locations; they are asphalt paved. There are approximately 72 single parking spaces and five barrier-free parking spaces. The site includes Facility ID, directional, regulations, and interpretive signs. The interpretive signs are located at the nature center. The signs are constructed of a combination of wood and metal. Parking areas and signs were rated as G and in good condition.

5.6.2.7 Cherokee State Park, Main

Cherokee State Park, Main is part of the OTRD state park system and is maintained by OTRD. The site is located on the southern end of Grand Lake (no lake access) on the east side of the town of Disney and is adjacent to one of the Pensacola spillways. Facilities include one pavilion and one restroom facility with showers. Ten campsites are available, each with a picnic table and grill; four have electricity hookup. A gravel parking area near the pavilion is unmarked. The site includes one roadside Facility ID sign and a few regulation signs. Facilities, parking, and signage are all rated as G and in good condition.

5.6.2.8 Cherokee Lakeside State Park

Cherokee Lakeside State Park is part of the OTRD state park system and is maintained by OTRD. The site is located on the southern end of Grand Lake on the west side of the town of Disney. It is immediately above the Pensacola Dam and spillway. Facilities include one boat launch ramp, one pavilion, three picnic tables with grills in the designated day use swimming area, one restroom with showers, and three trash receptacles. There is also a playground, as well as ten RV campsites, which each include electricity and water hookup and a picnic table with a grill. All the facilities were rated as G and in good condition.

Approximately 20 unmarked, double parking spaces are available for boaters on an asphalt paved lot. More unorganized parking occurs along the road and the edge of the swimming area. The pavilion also has an asphalt paved, unmarked parking area. The site includes a roadside Facility ID sign, regulation sign, and directional signs. Parking and signage are all rated as G and in good condition.

5.6.2.9 Cherokee Riverside State Park

Cherokee Riverside State Park is part of the OTRD state park system and is maintained by OTRD. The site is directly below the Pensacola Dam and spillway and is divided by the Grand River. The site includes an area on the west side of the river and another on the east side.

West Side

The west side provides river access and facilities include one pavilion, two restrooms (latrine), and two trash receptacles. There are 18 primitive campsites, each with a picnic table, grill, and fire ring. Water is available on-site. The facilities are all rated as G and in good condition. Parking includes a small asphalt paved area, unorganized parking along the paved loop through the site, and in unpaved areas among trees. The loop and parking was rated as R and needs repair. The site includes a wooden, roadside Facility ID sign, multiple regulation signs, some directional signs, and an invasive species sign. The signs were rated as G and in good condition except for one of the regulation signs, the paddle fish sign, which needs replacement.

East Side

The east side does not provide river access and facilities include one picnic table, one restroom (with shower), and two trash receptacles. There are 12 RV campsites with electricity and water hookup, picnic table, grill, and fire ring. All facilities were rated as G and in good condition. The site is asphalt paved and includes parking at each of the 12 campsites, as well as five parking spaces at the restroom, two of which are barrier-free. The parking area was rated as G and is in good condition. Three campsites were closed due to an eroding bank and related safety hazards. The site includes wooden and aluminum directional roadside signs and multiple regulation signs. The signs were rated as G and in good condition.

5.6.3 Public Access Sites

Table 5.6.3-1 summarizes each public access site facility condition assessment and lists the number of amenities available at each site. All amenities are assigned a rating of G, unless noted otherwise in a footnote. The following sections provide additional information gathered at each site during the assessment.

Table 5.6.3-1: Public Access Site Facility Condition Assessment Summary

Grand Lake Area Recreation Site	Amenity (assigned a G rating, unless noted otherwise)						
	Boat Launch Ramp or Lane	Dock or Pier	Mooring Dock	Pavilion	Picnic Table	Restroom	Trash Receptacle
Public Access Sites (non-project)							
• Connors Bridge ¹⁰⁸	2	1	-	-	-	-	-

¹⁰⁸ Connors Bridge: boat launch ramp/lane provides barrier-free access.

Grand Lake Area Recreation Site	Amenity (assigned a G rating, unless noted otherwise)						
	Boat Launch Ramp or Lane	Dock or Pier	Mooring Dock	Pavilion	Picnic Table	Restroom	Trash Receptacle
• Council Cove	1 ¹⁰⁹	-	-	-	2 ¹¹⁰	-	-
• Riverview Park A ¹¹¹	1	-	-	2	7	3	2
• Riverview Park B ¹¹²	1	-	-	-	1	-	1
• Spring River	1	-	-	-	-	-	-
• Willow Park	1	-	1	-	-	-	-
• River Channel Sites	-	-	-	-	-	-	-

5.6.3.1 Connors Bridge

Connors Bridge is located northeast of the town of Fairland on the Neosho River and is maintained by GRDA. Facilities include two parallel boat launch ramps and one barrier-free embarkation pier. All facilities were rated as G and in good condition. The parking area is asphalt paved and provides 13 marked parking spaces, which include five standard and eight double spaces. The site includes four metal regulation signs: two near the riverbank regarding paddlefish rules, one regarding no vehicular access to the southwest side of the parking area, and one on the east side of the site marking a Wildlife Management Area boundary. Parking and signs were rated as G and in good condition.

5.6.3.2 Council Cove

Council Cove is located at the north end of Grand Lake, south of the town of Wyandotte. The site is maintained by Ottawa County. Facilities are minimal and include a user-developed informal boat launch ramp with a gravel surface and two picnic tables. The user-developed boat ramp surface was rated as R and was in a state of disrepair. The two picnic tables were rated as N and need to be replaced. The parking area surface is gravel and has approximately ten, unmarked standard spaces. The parking area was rated as M and needs maintenance. There are no trash receptacles at the site and trash and litter were present. There are no signs present at the site or along the roadway for the public boat ramp.

5.6.3.3 Riverview Park

Riverview Park is located on the southeast side of the city of Miami and is maintained by the City. It spans both sides of the Neosho River, south of the highway bridge over the river. For surveying purposes, the site was assessed based on which side of the river it is located. Site A is on the east and Site B is on the west.

Site A

Facilities include one boat launch ramp (not barrier-free), two pavilions, seven picnic tables, three restrooms, and two trash receptacles. The site also includes playground equipment, a disc golf course, and five baseball fields. All the facilities were rated as G and in good condition.

¹⁰⁹ Council Cove boat launch ramp/lane rating = R, rutted gravel.

¹¹⁰ Council Cove picnic table rating = N, the east table should be replaced and the west table should be relocated.

¹¹¹ Riverview Park A: pavilion and restroom provide barrier-free access.

¹¹² Riverview Park B: boat launch ramp/lane provides barrier-free access.

Parking areas are asphalt paved and no parking spaces are barrier-free defined. The east pavilion provides approximately 30 unmarked parking spaces. The central pavilion provides approximately 27 unmarked parking spaces. One baseball field provides 43 marked parking spaces, the remaining four fields provide no organized parking. The boat ramp parking area is paved but unmarked. These parking areas were rated as G and in good condition. A parking area along the river and near the low water dam is paved and was rated as R because it needs repair. Site A includes one monument-type Facility ID sign near the park entrance, which is visible from the road, and several regulation signs that are area-specific. The signs were rated as G and in good condition.

Site B

Facilities include one boat launch ramp (barrier-free, elevated pier for embarkation), one picnic table, and one trash receptacle. The boat launch ramp and picnic table were rated as G and were in good condition. The trash receptacle was rated as M and needs maintenance. The county fairgrounds are adjacent to the site with restrooms within walking distance from Site B.

The parking area is asphalt paved and has approximately 21 unmarked spaces that include one space that is barrier-free parking, approximately 15 double/trailer spaces, and up to five additional spaces. The site includes regulation signage. Parking and signs were rated as G and in good condition.

5.6.3.4 Spring River

Spring River is located north of Grand Lake along the Spring River and is maintained by Ottawa County. The one facility at the site is a boat launch ramp and is not barrier-free. This facility was rated as G and is in good condition. There is no directional signage on the roads approaching the site, nor any signage at the site. The road leading into the site and the western portion of the site are paved and in good condition.

5.6.3.5 Willow Park

Willow Park is a small site located on the southeast portion of Grand Lake in the town of Ketchum and is maintained by the Town. Facilities include one paved boat launch ramp and one mooring dock. The facilities were rated as G and in good condition. The site includes a gravel parking area with approximately 15 unmarked parking spaces. The parking area was rated as G and in good condition. There are no signs at the site.

5.6.3.6 River Channel Sites

Multiple sites below the dam and along river channels are accessible mainly to off-road and four-wheel drive vehicles. There are no facilities in this area. Water access provides opportunities for fishing and ATV recreation. It is not possible to launch a boat in this area. Primary roads leading into these river channel areas are well-maintained gravel roads that quickly change to unimproved roads and trails. Regulatory signs regarding high water hazards and access in the river channels are present along the roads.

5.7 FERC-Approved Recreation Site Condition Assessments

Both a recreation facility inventory and site condition assessment were completed at each of the five FERC-approved recreation sites on either September 22 or 23, 2020. A summary of the recreation facility inventory is provided in [Section 5.6.1](#). The paragraphs below summarize each site condition assessment and any subsequent recommendations. The photos provided in the paragraphs below, as well as additional site-specific photos, are also included in **Appendix B**.

5.7.1 Big Hollow

Big Hollow is a rarely used narrow boat launch site located along the middle of a peninsula with residential homes on each side (photo below, left). The launch has a hard-surface approach and is relatively steep (photo below, right). Limited parking is only available outside the project boundary, but that is common for end of road launches. No Part 8 recreation sign was identified at the site. With the limited capacity, the site should be used mostly by individuals living in proximity. Therefore, directional signage is not believed to be necessary.



5.7.2 Duck Creek Public Access

Duck Creek is a primitive boat launch site with a gravel parking area and hard-surface launch. The boat launch was resurfaced in late 2020. The current sign does not meet Part 8 recreation sign standards and the steep drop-off sign needs repairs.

A member of the public contacted GRDA through social media to request a barrier-free dock be added at this site. However, the gravel surface and steep drop into the river channel do not make this site amenable to barrier-free facilities.

5.7.3 Monkey Island

Monkey Island is a boat launch site located on a shoreline buffer waterward of a residential area. The site is accessed through a housing development and the access road is very narrow. The asphalt road is in poor condition and the concrete ramp needs to be cleaned of loose gravel.

No Part 8 recreation sign was identified at the site and directional signage to the site was lacking. A private property owner installed a sign next to the fence (photo below, left). The fence separates private property on the left, which includes a concrete sidewalk, from public property on the right, which includes the asphalt road (photo below, right). The public may interpret this sign to mean the boat launch is on private property and not open to the public.



5.7.4 Seaplane Base

Seaplane Base is a boat launch site with a gravel access road that leads to a gravel parking area. The boat launch was resurfaced in late 2020. No part 8 sign was identified and the gravel parking area needed to be graded. Visitor interview responses on May 17 and 30, 2020 indicate a moderate problem with launching or taking out a boat and accessing the shoreline, but no similar comments were subsequently provided.



5.7.5 Wolf Creek

Wolf Creek is a boat launch site that has been recently updated and is designed to handle recreation needs for fishing tournaments. The site is a well-designed and maintained facility. No Part 8 sign was identified.



Visitor interview responses on May 30, 2020, and June 7, 2020 indicate a moderate problem with safely swimming and the scenic quality of the shoreline during high water events, and a large problem with launching or taking out a boat (docks are flooded), safely boating, and shoreline fishing (would like more fishing spots) during high water events. One of these two visitors indicated a moderate problem with

accessing the shoreline, while the other indicated this is a large problem during high water events. Both visitors indicated when water is higher than normal, it is an issue at this site. A visitor interview response on July 7 indicated the site does not include a public sandy beach like other locations do. Currently the main activity at this recreation site is boat launching.

5.8 Boat Launch Elevation Data

Boat launch elevations were photo-documented at all recreation sites with a boat launch. Photos showing high water and low water elevations at these sites are provided in **Appendix F**. Twin Bridges Upper State Park, Little Blue State Park, Cherokee Main State Park, and river channel sites do not have a boat launch.

The top of the reservoir conservation pool is 745.00 feet above the Pensacola Datum (PD). Over the course of the survey dates, Grand Lake elevation fluctuated between 742.20 and 748.29 feet above PD. **Table 5.8-1** lists all survey dates and the corresponding reservoir elevation acquired from USACE (USACE, n.d.). The highest reservoir elevation was recorded on May 30, 2020, and the lowest on September 26, 2020 (last survey day), both are bolded in **Table 5.8-1**. Inundation occurred at various sites on May 27 and May 30, 2020.

GRDA assessed boat launch elevations to evaluate the reservoir surface elevation range at which the boat ramps are accessible. At the lowest recorded water elevation during the survey of 742.2 feet PD all boat launches appeared to be accessible. At the highest and second highest recorded water elevations during the survey of 748.29 or 747.83 feet PD nine of the sixteen boat launch sites are accessible.

Table 5.8-1: Survey Day and Corresponding Reservoir Elevation

Month	Day of Week	Date (2020)	Reservoir Elevation (PD)
May	Tuesday	May 12	745.02
	Sunday	May 17	747.43
	Friday	May 22	745.34
	Saturday	May 23	745.73
	Wednesday	May 27	747.83
	Saturday	May 30	748.29
June	Friday	June 5	745.16
	Sunday	June 7	744.91
	Wednesday	June 10	744.60
	Thursday	June 18	744.07
	Saturday	June 27	743.97
	Sunday	June 28	744.02
July	Thursday	July 2	744.07
	Sunday	July 5	744.07
	Tuesday	July 7	744.01
	Saturday	July 18	743.95
	Saturday	July 25	744.05

Month	Day of Week	Date (2020)	Reservoir Elevation (PD)
	Thursday	July 30	744.01
August	Wednesday	August 5	743.60
	Saturday	August 8	743.50
	Monday	August 10	743.29
	Sunday	August 16	743.01
	Saturday	August 22	742.96
	Thursday	August 27	743.06
September	Friday	September 4	743.07
	Sunday	September 6	743.00
	Sunday	September 13	743.01
	Tuesday	September 15	742.95
	Tuesday	September 22	742.55
	Saturday	September 26	742.20

6. Conclusion

As outlined in [Section 5](#), the study was successful in meeting the goals of gathering information regarding current recreational use and identifying recreation resources and activities that may be affected by the continued operation of the Project. Although, there is a large amount of recreational use in the Project area, there are numerous non-commercial quality recreation access sites available around the Project shoreline. All but one recreation site¹¹³ has adequate capacity for the near future and this study has not identified a need for any additional access sites to be established as part of the relicensing process. It is recommended recreation use be surveyed every six years during the future license term to assure adequate recreation access is maintained during the term of the future license. The conclusions surrounding each goal are described in the following sections.

6.1 Current Recreational Use of the Project Area

Survey results indicate the most popular sites include three state parks (Bernice, Honey Creek, Little Blue) and one FERC-approved site (Wolf Creek). Most of these sites are relatively large, easily accessible, and have diverse facilities. Little Blue State Park has one of the highest number of visitors because it provides a unique recreational experience.

The most popular recreational activities at the surveyed sites include camping, shoreline fishing, boat fishing, boating, and picnicking. Visitors and vehicles that visited the sites during the 30 survey dates were counted. The counts are approximate and were tallied at each site over the course of the 30 one-hour visits.

¹¹³ Little Blue State Park has one of the highest number of visitors because it provides a unique recreational experience. It is a scenic setting, offering camping and swimming in the cooler water of the creek. The high volume of visitors can also be attributed to its seasonal access point to the river channels and water below the easternmost spillway of the Pensacola Dam system. Little Blue State Park has additional parking capacity along the side of the entry road coming into the site. Potential development of formal additional parking capacity at this site is limited by topography and would be challenging because additional capacity could reduce the appeal of swimming in the creek.

The top five sites with the greatest number of visitors are all state parks and include Little Blue, with the greatest number of visitors at 2,674, followed by Bernice with 1,860 visitors, Honey Creek with 1,026 visitors, Twin Bridges Upper with 888 visitors, and Cherokee Lakeside with 859 visitors.

The top five sites with the greatest number of vehicles include four state parks and one FERC-approved site. Honey Creek State Park had the greatest number of vehicles with a total of 2,036, followed by Bernice State Park with 1,989 vehicles, Wolf Creek (FERC-approved) with 1,587 vehicles, Little Blue State Park with 1,454 vehicles, and Twin Bridges Upper State Park with 1,168 vehicles.

All but one highly utilized recreation site (Little Blue State Park) has an average of at least 25% parking capacity available. Based on this average parking space availability and the projected population growth of less than 25% over the next 10 years, parking availability will not be limited at the highly used recreation sites.

Visitors were asked to rate hunting and wildlife viewing to gain useful data for off-season participation in land-based activities. One visitor listed hunting as a previous activity at Seaplane Base (FERC-approved site), one visitor listed hunting as both a current and previous activity at Bernice State Park, and two visitors listed hunting as a previous activity at Little Blue State Park. Hunting was rated as acceptable at Honey Creek State Park, Little Blue State Park, Riverview Park, and river channel sites. Hunting was rated as unacceptable at Twin Bridges Lower State Park. Wildlife viewing was a popular recreation use, with 13 visitors reporting the activity as both a current and past use at Seaplane Base (FERC-approved site), Twin Bridges State Upper Park, Honey Creek State Park, Cherokee Lakeside State Park, Little Blue State Park, Cherokee Riverside State Park, Spring River, Riverview Park, and Connors Bridge. Wildlife viewing was rated as a totally acceptable and/or acceptable activity at all 20 recreation sites.

6.2 Estimate of Future Demand for Public Recreation at the Project

A comparison of projected population data for Ottawa, Craig, Delaware, and Mayes Counties shows that between the years 2010 and 2020, these counties had a population growth of (4.9%), (6.1%), 2.6%, and (5.4%) respectively (US Census, n.d.).

If the projected population growth experienced from 2010 to 2020 continues at this rate for the region, the public can further utilize any of the surveyed recreation sites that have unused capacity, which would absorb the needs of the growing population. It is generally not feasible to expand the highly-used sites due to physical and/or geographical barriers, seasonal high water events, and private property surrounding most sites. Very few visitor comments referenced overcrowding at recreation sites. Data indicates additional recreation sites or addition of camping sites to existing state parks is not necessary.

6.3 Condition of GRDA's FERC-Approved Recreation Facilities

With the exception of Monkey Island, the overall condition of GRDA's FERC-Approved Recreation facilities are good. The facilities rated as good require some additional signage to meet the requirements of Part 8 of the Federal Power Act. Monkey Island needs maintenance to the ramp and the access drive coming into the site. It also requires signage to meet the Part 8 requirements, but the golf course sign placement may cause the public to interpret this sign to mean the boat launch is on private property and not open to the public. Therefore, Monkey Island was granted a lower rating.

6.4 Potential Effects of Continued Operation

The potential effects of continued operation were partially assessed by photographing the boat launches during different water levels.

The top of the reservoir conservation pool is 745.00 feet PD. Over the course of the survey dates, Grand Lake elevation fluctuated between 742.20 and 748.29 feet PD. The highest reservoir elevation was recorded on May 30, 2020, and the lowest on September 26, 2020 (last survey day).

GRDA assessed boat launch elevations to evaluate the reservoir surface elevation range at which the boat ramps are accessible. At the lowest recorded water elevation during the survey of 742.2 feet PD all boat launches appeared to be accessible. At the highest and second highest recorded water elevations during the survey, nine of the sixteen boat launch sites are accessible. When the spring flows receded and the next pictures were taken on either June 5th or June 7th, all the boat launch sites were accessible.

The effects of continued operation were also assessed by asking each of the interviewed visitors to rate whether the reservoir water level was a problem at the interview site for the visitor's ability to safely swim, launch or take out a boat, safely boat, fish along the shoreline, access the shoreline, and use the docks, as well as the scenic quality of the shoreline.

Most of the respondents either had no problem, a small problem, or neither regarding the effect of reservoir water levels on recreation.

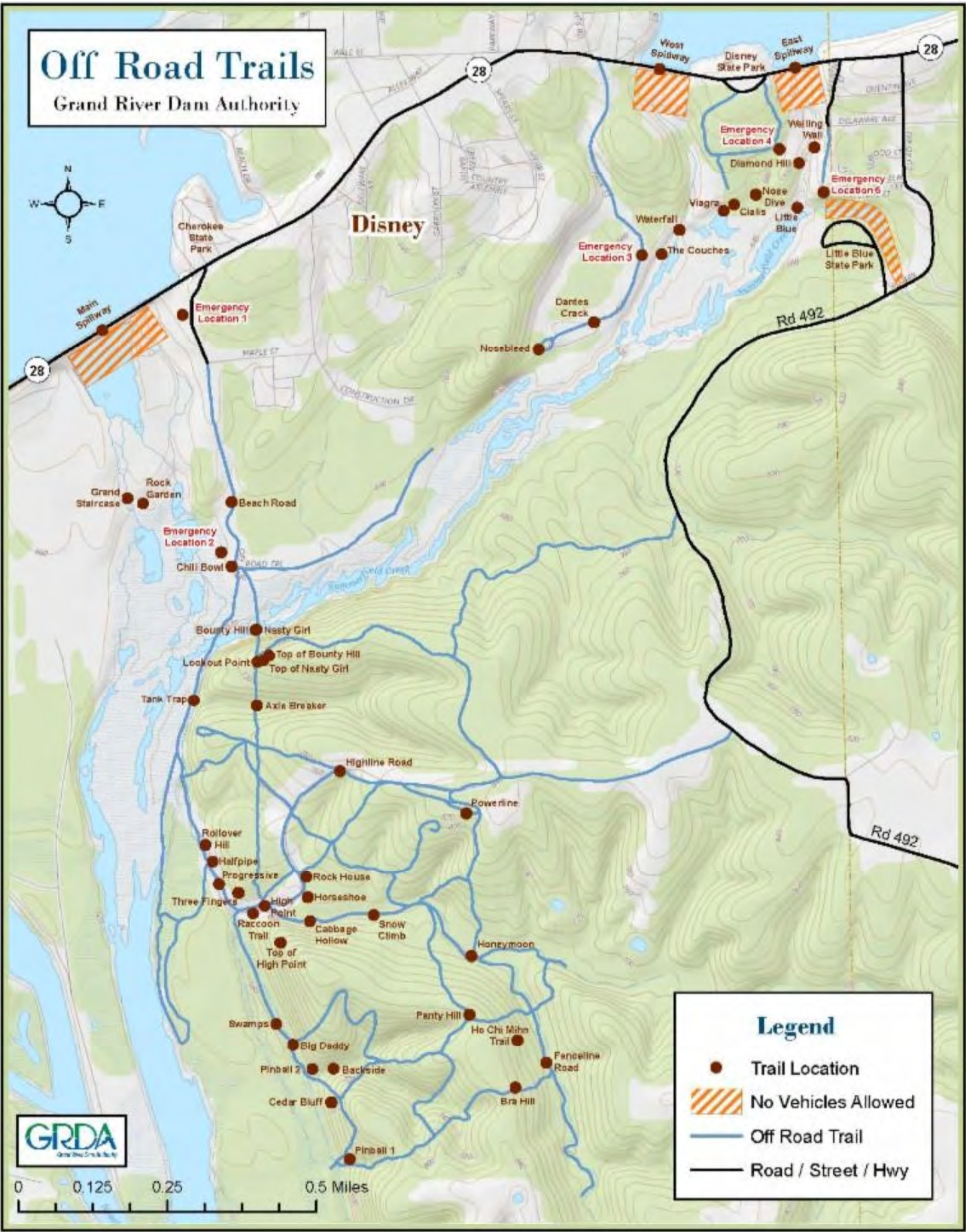
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APPENDIX A: Downstream Channel Map

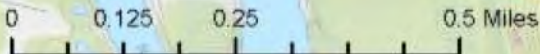
Off Road Trails

Grand River Dam Authority



Legend

- Trail Location
- No Vehicles Allowed
- Off Road Trail
- Road / Street / Hwy



APPENDIX B: Representative Site Photos

FERC-Approved Sites

Big Hollow Public Access Site Representative Photos



1. **Big Hollow** – May 12, 2020. View northwest of boat ramp access.



2. **Big Hollow** – May 30, 2020. View northwest of flooded boat ramp access.



3. **Big Hollow** – September 6, 2020. View northwest of boat ramp.



4. **Big Hollow** – September 6, 2020. View southwest of adjacent property.

Duck Creek Public Access Area Representative Site Photos



1. Duck Creek - May 23, 2020. View south of parking area and boat ramp.



2. Duck Creek - June 7, 2020. View south of boat ramp.



3. Duck Creek – August 8, 2020. View southeast of parking area.



4. Duck Creek – September 26, 2020. View north of parking area.

Duck Creek Public Access Area Representative Site Photos



5. Duck Creek – May 17, 2020. View south of flooding.

Monkey Island Public Access Representative Photos



1. Monkey Island – May 23, 2020. View west of parking area toward ramp.



2. Monkey Island – May 30, 2020. View east of parking area.



3. Monkey Island – September 6, 2020. View south of boat ramp.



4. Monkey Island – September 2020. Signage near entrance of site.

Seaplane Base Public Access Site Representative Photos



1. Seaplane Base – June 5, 2020. View east of boat ramp.



2. Seaplane Base – June 10, 2020. View east of boat ramp.



3. Seaplane Base – July 2, 2020. View southeast of parking area.



4. Seaplane Base – September 6, 2020. View east of boat ramp.

Wolf Creek Public Access Site Representative Photos



1. Wolf Creek – May 12, 2020. View south of park signage.



2. Wolf Creek – May 12, 2020. View north of mini pavilion.



3. Wolf Creek – May 12, 2020. View north of bathroom facility with RV dump site on right side.



4. Wolf Creek – May 23, 2020. View southeast of boat ramps.

Wolf Creek Public Access Site Representative Photos



5. Wolf Creek – May 23, 2020. View south of mini pavilion from dock.



6. Wolf Creek – May 30, 2020. View northwest of north parking lot from picnic table area.



7. Wolf Creek – June 7, 2020. View north of docks from boat ramps.



8. Wolf Creek – September 4, 2020. View northeast of boat ramps.

Wolf Creek Public Access Site Representative Photos



9. Wolf Creek – September 4, 2020. View northeast of boat ramps.



10. Wolf Creek – September 4, 2020. View northeast of boat ramps.



11. Wolf Creek – September 6, 2020. View southwest from dock toward east parking lot.



12. Wolf Creek – September 13, 2020. View east of south parking area and restroom facility.

State Park Sites (non-project)

Bernice State Park Representative Site Photos



1. Bernice State Park – May 12, 2020. View west of east end of Nature Center.



2. Bernice State Park – May 23, 2020. View east of campsites from boat ramp parking area.



3. Bernice State Park – June 5, 2020. View northeast of campsites from west end of park near entrance.



4. Bernice State Park – June 7, 2020. View south of boat ramp from unpaved portion of boat ramp parking area.

Bernice State Park Representative Site Photos



5. Bernice State Park – July 2, 2020. View southeast of RV campsites.



6. Bernice State Park – July 25, 2020. View east of tent campsites.



7. Bernice State Park – August 8, 2020. View northeast of boat ramp parking area.



8. Bernice State Park – September 6, 2020. View southwest of boat ramp

Bernice State Park Representative Site Photos



9. Bernice State Park – June 2020. Coyote on display at nature center.



10. Bernice State Park – June 2020. Opal the opossum at nature center

Disney State Park Representative Site Photos



1. Disney State Park – View east of facility signage.



2. Disney State Park – May 12, 2020. View east of area on south side of State Highway 28.



3. Disney State Park – May 12, 2020. View northeast of parking and day use area on north side of State Highway 28.



4. Disney State Park – July 5, 2020. View south of parking area on north side of State Highway 28

Disney State Park Representative Site Photos



5. Disney State Park – September 26, 2020. View north of boat ramp.

Honey Creek State Park Site Representative Photos



1. Honey Creek State Park – May 12, 2020. View northwest of office and gift shop.



2. Honey Creek State Park – May 12, 2020. View west of pavilion.



3. Honey Creek State Park – May 12, 2020. View south of restroom facility in boat trailer parking/camping area.



4. Honey Creek State Park – May 12, 2020. View southeast of swimming pool facility.

Honey Creek State Park Site Representative Photos



5. Honey Creek State Park – May 12, 2020. View northwest of restroom/shower facility.



6. Honey Creek State Park – May 12, 2020. View north of pavilion near shower facility and camp sites.



7. Honey Creek State Park – May 12, 2020. View south of playground equipment near swimming pool.



8. Honey Creek State Park – May 23, 2020. View southwest of boat trailer parking area and campsites.

Honey Creek State Park Site Representative Photos



9. Honey Creek State Park – August 8, 2020. View northeast of RV campsites at west end of park.



10. Honey Creek State Park – June 7, 2020. View north of fishing dock and fish cleaning station at north end of boat trailer parking area.



11. Honey Creek State Park – September 13, 2020. View north of boat trailer parking area and campsites.



12. Honey Creek State Park – May 30, 2020. View south of boat ramp.

Little Blue State Park Representative Site Photos



1. Little Blue State Park – View northeast of facility sign.



2. Little Blue State Park – June 18, 2020. View north of Summerfield Creek on north side of park.



3. Little Blue State Park – July 5, 2020. View northeast of campsites, trash receptacle.



4. Little Blue State Park – July 25, 2020. View northwest of campsites and unorganized parking.

Little Blue State Park Representative Site Photos



5. Little Blue State Park – July 25, 2020. View west of swimming at confluence of Summerfield Creek and main channel from spillway.



6. Little Blue State Park – August 16, 2020. View west of swimming area.



7. Little Blue State Park – August 16, 2020. View north of sign.



8. Little Blue State Park – View west of regulation sign.

Little Blue State Park Representative Site Photos



9. Little Blue State Park – May 23, 2020. View west of swimming during water release from spillway.



10. Little Blue State Park – September 6, 2020. View northwest of ATVs on rock.

Twin Bridges State Park, Lower, Representative Site Photos



1. Twin Bridges State Park, Lower – May 22, 2020. View northeast of camping sites from boat ramps.



2. Twin Bridges State Park, Lower – August 5, 2020. View southeast of boat trailer parking area.



3. Twin Bridges State Park, Lower – August 8, 2020. View south of camping and boat access area.



4. Twin Bridges State Park, Lower – September 6, 2020. View southwest from boat ramps.

Twin Bridges State Park, Lower, Representative Site Photos



5. Twin Bridges Lower – May 17, 2020. Facility signage.

Twin Bridges State Park, Upper Representative Site Photos



1. Twin Bridges State Park, Upper – June 5, 2020. View northeast of RV camping area on east side of SH137.



2. Twin Bridges State Park, Upper – June 10, 2020. View southwest of tent camping area on west side of SH137.



3. Twin Bridges State Park, Upper – August 8, 2020. View west of RV camping area on west side of SH137.



4. Twin Bridges State Park, Upper – September 6, 2020. View north of RV camping area on east side of SH137.

Twin Bridges State Park, Upper Representative Site Photos



5. Twin Bridges State Park, Upper – May 2020. Administrative offices and Nature Center



6. Twin Bridges State Park, Upper – May 2020. Interpretive signage at building.



7. Twin Bridges State Park, Upper – May 2020. Interpretive signage at building.



8. Twin Bridges State Park, Upper – May 2020. Interpretive signage at building.

Twin Bridges State Park, Upper Representative Site Photos



9. **Twin Bridges State Park** – View southwest of facility signage.

Cherokee State Park, Main Representative Site Photos



1. Cherokee State Park, Main – May 30, 2020. View west of pavilion.



2. Cherokee State Park, Main – June 18, 2020. View west of primitive campsites and bathroom facility.



3. Cherokee State Park, Main – August 8, 2020. View north of RV campsites.



4. Cherokee State Park, Main – May 12, 2020. View north from State Highway 28 of facility sign and campsites.

Cherokee State Park, Lakeside Representative Site Photos



1. Cherokee State Park, Lakeside – May 12, 2020. View north of restroom/shower facility.



2. Cherokee State Park, Lakeside – May 23, 2020. View north day use picnic area, campsites and boat trailer parking area.



3. Cherokee State Park, Lakeside – July 18, 2020. View southwest of swimming beach.



4. Cherokee State Park, Lakeside – September 4, 2020. View east from parking area of RV campsites.

Cherokee State Park, Lakeside Representative Site Photos



5. Cherokee State Park, Lakeside – Facility signage

Cherokee State Park, Riverside (East and West) Representative Site Photos



1. Cherokee State Park, Riverside (west) – May 12, 2020.
View north of campsites.



2. Cherokee State Park, Riverside (west) – May 12, 2020.
View south from parking area of restroom.



3. Cherokee State Park, Riverside (west) – May 12, 2020.
View northeast of pavilion.



4. Cherokee State Park, Riverside (west) – June 27, 2020.
View north of parking and riverbank.

Cherokee State Park, Riverside (East and West) Representative Site Photos



5. Cherokee State Park, Lakeside (east) – May 27, 2020.
View northeast of restroom facility.



6. Cherokee State Park, Lakeside (east) – May 27, 2020.
View southeast of campsites.



7. Cherokee State Park, Lakeside (east) – June 18, 2020.
View northwest of RV campsites.



8. Cherokee State Park, Riverside. Facility ID signage

Public Access Sites and Channel Sites (non-project)

Connors Bridge Public Access Representative Site Photos



1. Connors Bridge – May 17, 2020. View north of partially flooded parking lot.



2. Connors Bridge – May 23, 2020. View southeast of parking area.



3. Connors Bridge – May 23, 2020. View west of parking area and ramp.



4. Connors Bridge – September 4, 2020. View southeast of parking area from boat ramp.

Connors Bridge Public Access Representative Site Photos



5. Connors Bridge – View east of signage.



6. Connors Bridge – View south of signage.

Council Cove Public Access Representative Site Photos



1. Council Cove – May 22, 2020. View east of boat ramp access. Parking area above and to left.



2. Council Cove – June 27, 2020. View west of boat ramp.



3. Council Cove – July 30, 2020. View north of parking area and State Highway 10.



4. Council Cove – September 4, 2020. View west of boat ramp.

Council Cove Public Access Representative Site Photos



5. Council Cove – picnic table in need of replacement



6. Council Cove – picnic table in need of replacement

Riverview Park, Site A, Representative Site Photos



1. Riverview Park Site A – May 17, 2020. View south from park entrance. Park closed due to flooding of Neosho River.



2. Riverview Park Site A – May 22, 2020. View west of parking area from top of boat ramp. Mud due to flooding.



3. Riverview Park Site A – June 5, 2020. View southeast from parking area.



4. Riverview Park Site A – August 8, 2020. View west from parking area near boat ramp.

Riverview Park, Site B, Representative Site Photos



1. Riverview Park Site B – July 5, 2020. View east of boat ramp from parking area.



2. Riverview Park Site B – July 5, 2020. View northwest of parking area.



3. Riverview Park Site B – August 22, 2020. View south from parking area.



4. Riverview Park Site B – September 6, 2020. View northwest of parking area.

Spring River Access Representative Site Photos



1. Spring River – May 17, 2020. View SW from parking area.



2. Spring River – May 23, 2020. View west of Spring River. Site had minor flooding.



3. Spring River – July 5, 2020. View northwest from parking area.



4. Spring River - August 22, 2020. View west of Spring River.

Willow Park Representative Site Photos



1. Willow Park – May 30, 2020. View north of boat ramp and mooring dock.



2. Willow Park – June 5, 2020. View northwest of boat docks from parking area.



3. Willow Park – August 10, 2020. View west of parking area.



4. Willow Park – September 13, 2020. View north of parking area with ramp and mooring dock to left.

Willow Park Representative Site Photos



5. Willow Park – View west of signage.

Channel Sites below Pensacola Dam and Spillways Representative Photos



1. **Channel Site** – June 18, 2020. View southeast of area below Pensacola dam spillway.



2. **Channel Site** – July 5, 2020. Area south of golf course.



3. **Channel site** – August 16, 2020. Area southeast of golf course.



4. **Channel Site** – August 10, 2020. View north of Pensacola dam spillway.

Channel Sites below Pensacola Dam and Spillways Representative Photos



5. Channel Site – September 6, 2020. View west from south end of Beach Road



6. Channel Site – September 6, 2020. View south of Beach Road.



7. Channel Site – September 6, 2020. View southwest of river from Beach Road area.

APPENDIX C: Recreation Observation Forms

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/ Kayaking	Other (specify)		
1.																		
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/ Kayaking	Other (specify)		
1.																		
2.																		
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8.																		
9.																		
10.																		

Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
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Temp: _____ Weather: _____ Wind: _____

(month / day / year)

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(month / day / year)

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					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/ Kayaking	Other (specify)		
1.																		
2.																		
3.																		
4.																		
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9.																		
10.																		

Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
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Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
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Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
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Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/ Kayaking	Other (specify)		
1.																		
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Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
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Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
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Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

Recreation Observation Documentation Form

Project Name: _____ Observer(s): _____

Date: ____/____/____

Temp: _____ Weather: _____ Wind: _____

(month / day / year)

Recreation Location	Start Time (military)	End Time (military)	Time Observed (military)	No. People	Observed Recreation Activities												Notes	
					ATV/OHV	Shoreline Fishing	Boat Fishing	Swimming	Run/Jogging	Hiking/Walking	Bicycling	Picnicking	Bird Watching	Wildlife Viewing	Boating/Canoeing/Kayaking	Other (specify)		
1.																		
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Notes: If a group is participating in multiple activities, identify the **primary activity** by placing a “p” in the appropriate box. To identify the **secondary activity**, place an “s” in the appropriate box. Use your best personal judgment in determining between primary and secondary activities. If no one is observed recreating, please fill in the recreation location and time and simply write “no one observed” in the notes column.

Additional notes regarding observations of recreational activities or river access observed at site:

APPENDIX D: Interview Question Results Spreadsheet

Spreadsheet not included in PDF

APPENDIX E: Facility Assessment Forms

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:
Date: Surveyor:
Photo Number(s):

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane			N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: _____ Standard: _____ ADA: _____ Double (trailer): _____ Other: _____	Condition
	Surface Type: <i>Asphalt Concrete Gravel Other: _____</i>	N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	
Facility ID			wood / metal / other	N / R / M / G	
Regulations			wood / metal / other	N / R / M / G	
Directional			wood / metal / other	N / R / M / G	
Interpretive			wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:
 Note the age of the facilities (if known) as well as any signs of overuse.

FERC-Approved Sites

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location: <i>Big Hollow</i>	
Date: <i>9-23-00</i>	Surveyor: <i>Shawn P / Kims</i>
Photo Number(s): <i>999-1001</i>	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	<i>1</i>		N / R / <u>M</u> / <u>G</u>	<i>Concrete w/ gravel approach (Needs Grading)</i>
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: _____	Standard: _____	ADA: _____	Double (trailer): _____	Other: _____	<i>None</i>	Condition
	Surface Type:	<i>Asphalt</i>	<i>Concrete</i>	<i>Gravel</i>	<i>Other: _____</i>		N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	<i>None</i>
Facility ID			wood / metal / other	N / R / M / G	<i>None</i>
Regulations			wood / metal / other	N / R / M / G	<i>None</i>
Directional			wood / metal / other	N / R / M / G	<i>None</i>
Interpretive			wood / metal / other	N / R / M / G	<i>None</i>

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

*Private ownership very close
 no usage documented during rec survey
 Private Ramp immediately adjacent*

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Duck Creek		
Date:	9-22-20	Surveyor:	Shawn Puzen
Photo Number(s):	954-961		

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1	N	N / R / M / <u>G</u>	Concrete Broken but usable Probably due to deep channel
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: <u>6</u>	Standard: _____	ADA: _____	Double (trailer): <u>6</u>	Other: <u>Estimated No Lines</u>	Condition
	Surface Type: Asphalt Concrete <u>Gravel</u> Other: _____	N / R / M / <u>G</u>				

Signs	#	Size	Material	Condition	Comments
FERC Project	NA		wood / metal / other	N / R / M / G	
Facility ID	1	wooden	<u>wood</u> / metal / other	N / R / M / <u>G</u>	See Picture
Regulations	1		wood / metal / other	N / R / M / <u>G</u>	Deepwater sign
Directional	2		wood / <u>metal</u> / other	N / R / M / <u>G</u>	Oh Road See pictures
Interpretive			wood / metal / other	N / R / M / G	on each side of Bridge

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Monkey Island	
Date:	9-22-20	Surveyor: Shawn Puzan
Photo Number(s):	920-927	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1	N	N / R / <u>M</u> / G	Washed out gravel is causing it to narrow
Dock/Pier			<u>N</u> / R / M / G	
Mooring Dock			<u>N</u> / R / M / G	
Pavilion			<u>N</u> / R / M / G	
Picnic Table			<u>N</u> / R / M / G	
Restroom			<u>N</u> / R / M / G	
Trash Receptacles			<u>N</u> / R / M / G	
Other			<u>N</u> / R / M / G	

PARKING	Total Spaces: _____	Standard: _____	ADA: _____	Double (trailer): <u>15</u>	Other: _____	Condition
	Surface Type: <u>Asphalt</u>	Concrete	Gravel	Other: _____		N / R / <u>M</u> / G

Signs	#	Size	Material	Condition	Comments
FERC Project	No		wood / metal / other	N / R / M / G	
Facility ID	No		wood / metal / other	N / R / M / G	
Regulations	No		wood / metal / other	N / R / M / G	
Directional	No		wood / metal / other	N / R / M / G	
Interpretive	No		wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

Could use directional signage
 Repair of asphalt lot & road
 Drainage work to stop gravel from washing onto landing
 entrance sign prohibiting pedestrians on GC is misleading

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	<i>Seaplane Base</i>	
Date:	<i>9-22-20</i>	Surveyor: <i>Shawn Puzen</i>
Photo Number(s):	<i>951 - 953</i>	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	<i>1</i>		N / R / M / G	<i>Room for a second but not needed</i>
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: <i>9</i>	Standard: _____	ADA: _____	Double (trailer): <i>9</i>	Other: _____	<i>estimated no lines</i>	Condition
	Surface Type: _____	Asphalt	Concrete	<u>Gravel</u>	Other: _____		N / R / <u>M</u> / G

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	<i>None</i>
Facility ID			wood / metal / other	N / R / M / G	<i>None</i>
Regulations			wood / metal / other	N / R / M / G	<i>None</i>
Directional			wood / metal / other	N / R / M / G	<i>None</i>
Interpretive			wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

Parking lot needs to be graded



RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT

Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Wolf Creek	
Date:	9-23-20	Surveyor: KIMS Shawn P
Photo Number(s):	969-989	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	6	Y	N / R / M / G	
Dock/Pier	1	Y	N / R / M / G	barrier free fishing pier
Mooring Dock	4	Y	N / R / M / G	
Pavilion	1	Y	N / R / M / G	
Picnic Table	11	Y	N / R / M / G	1 table ADA accessible from a sidewalk
Restroom	1	Y	N / R / M / G	
Trash Receptacles	7	Y	N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: 413	Standard: 51	ADA: 17	Double (trailer): 353	Other: _____	Condition
	Surface Type:	Asphalt	Concrete	Gravel	Other: _____	N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project	Yes		wood / metal / other	N / R / M / G	NA
Facility ID	1	4'x8'	wood / metal / other	N / R / M / G	Y
Regulations			wood / metal / other	N / R / M / G	As appropriate
Directional	6		wood / metal / other	N / R / M / G	see picture 3 from each direction
Interpretive			wood / metal / other	N / R / M / G	

only pictures of two sets of signs

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

Designated Swim Area
 parking & Main Bldg to accommodate Fishing Tournaments
 Fish Cleaning Station, weighing Live Tank
 Restroom parking = 5 reg, 5 ADA
 North lot - 48 trailers, 5 ADA trailers, 29 auto
 South lot - 271 trailers, 4 auto, 4 ADA auto
 Lake lot - 7 ADA w/ trailer, 34 trailer, 4 auto

State Park Sites (non-project)

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Bernice State Park		
Date:	9-22-20	Surveyor:	Shawn Puzon
Photo Number(s):	928- 950		

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	2	Y?	N / R / M / G	Two landings old one needs concrete work
Dock/Pier	1	N	N / R / (M) / G	Not in place at time of survey
Mooring Dock			N / R / M / G	
Pavilion	1		N / R / M / (G)	
Picnic Table			N / R / M / G	Each site has picnic table & Grill/Fire Ring
Restroom	3	Y	N / R / M / (G)	
Trash Receptacles	5	N	N / R / M / (G)	(4) Dumpsters (1) can at other trail parking
Other	3		N / R / M / (G)	Nature Center (ADA) playground equip estimated No Lines

PARKING	Total Spaces: <u>114</u> Standard: <u>12</u> ADA: <u>5</u> Double (trailer): <u>11</u> Other: <u> </u> Each site	Condition
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: <u> </u> has parking	

Signs	#	Size	Material	Condition	Comments
FERC Project	NA		wood / metal / other	N / R / M / G	Not a FERC Facility
Facility ID			wood / metal / other	N / R / M / (G)	Road Sign at Road
Regulations			wood / metal / other	N / R / M / (G)	As appropriate
Directional			wood / metal / other	N / R / M / G	None needed visible from road
Interpretive	✓		wood / metal / other	N / R / M / (G)	ON trail ~ 12" x 20"

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

33 camping sites RD Elect water
 Wildlife feeding area
 22 tent sites
 Barrier Free Wildlife Trail w/ 40' x 80' asphalt parking (separate) & Barrier Free see picture # 950
 & Another Asphalt lot w/ 5 spaces
 Pavillion parking
 5 cars
 2 ADA needs maint.
 Parking avail at restrooms &
 Nature center also
 some (asphalt) roads in campsite need maint.
 5 Barrier Free

10

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT

Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Disney South	
Date:	9-23-20	Surveyor: Shawn Perkins
Photo Number(s):	1016 - 1021	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	3		N / R / M / <u>G</u>	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table	2		N / R / M / <u>G</u>	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / <u>G</u>	4 campsites w/ Picnic & Grill

PARKING	Total Spaces: _____ Standard: _____ ADA: _____ Double (trailer): _____ Other: _____				Condition
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____				N / R / M / <u>G</u>
Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	No
Facility ID			wood / metal / other	N / R / M / G	on Road
Regulations			wood / metal / other	N / R / M / G	As appropriate
Directional			wood / metal / other	N / R / M / G	None
Interpretive	1		wood / <u>metal</u> / other	N / R / M / <u>G</u>	Points of Interest 3'x3.5'

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:
 Note the age of the facilities (if known) as well as any signs of overuse.

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Honey Creek	
Date:	9-23-20	Surveyor: Shawn P/Kims
Photo Number(s):	988 - 998	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1		N / R / M / <u>G</u>	concrete Broken but still in place
Dock/Pier	1		N / R / M / <u>G</u>	
Mooring Dock	1		N / R / M / <u>G</u>	
Pavilion	2		N / R / M / <u>G</u>	
Picnic Table			N / R / M / G	Just at campsites
Restroom	3		N / R / M / <u>G</u>	one has showers
Trash Receptacles	5		N / R / M / <u>G</u>	Dumpsters
Other			N / R / M / G	

PARKING	Total Spaces: _____ Standard: _____ ADA: <u>1</u> Double (trailer): _____ Other: _____	Condition
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____	N / R / M / <u>G</u>

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	None
Facility ID			wood / metal / other	N / R / M / G	None
Regulations			wood / metal / other	N / R / M / G	As appropriate
Directional			wood / metal / other	N / R / M / G	Located on State Park Road
Interpretive			wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

Each site has water Grill & electric
 Pool
 Playground
 Fish cleaning station
 Fishing Pier
 Visitor Center / office Gift shop

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Little Blue	
Date:	9-23-20	Surveyor: Kims / Shawn P
Photo Number(s):	1002 - 1015	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane			N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom	5		N / R / M / G	4 portables 1 permanent privy
Trash Receptacles	23		N / R / M / G	Dumpsters (2) 1 can
Other			N / R / M / G	Campsites (18) each site picnic table Grill & Fire Ring

PARKING	Total Spaces: 5	Standard: 5	ADA: _____	Double (trailer): _____	Other: _____	Condition
	Surface Type: <u>Asphalt</u>	Concrete	Gravel	Other: _____		N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	None
Facility ID			wood / metal / other	N / R / M / G	None
Regulations			wood / metal / other	N / R / M / G	As appropriate
Directional			wood / metal / other	N / R / M / G	Entry Sign
Interpretive			wood / metal / other	N / R / M / G	None

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:
 Note the age of the facilities (if known) as well as any signs of overuse.

Popular access to channel for off-roading
 No formal swimming, but swimming is popular

*

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location: <i>Two Bridges Lower</i>	Surveyor: <i>Shawn Puzon/Kims</i>
Date: <i>9-23-20</i>	
Photo Number(s):	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	<i>2</i>		N / R / M / <u>G</u>	
Dock/Pier			N / R / M / G	
Mooring Dock	<i>1</i>	<i>Y</i>	N / R / M / <u>G</u>	<i>A bit steep</i>
Pavilion	<i>1</i>	<i>Y</i>	N / R / M / <u>G</u>	
Picnic Table	<i>4</i>	<i>?</i>	N / R / M / <u>G</u>	<i>Five not associated w/ sites</i>
Restroom	<i>1</i>	<i>Y</i>	N / R / M / <u>G</u>	
Trash Receptacles	<i>2</i>		N / R / M / <u>G</u>	
Other			N / R / M / G	

PARKING	Total Spaces: _____ Standard: _____ ADA: _____ Double (trailer): _____ Other: _____				Condition
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____				N / R / M / <u>G</u>

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	<i>NA</i>
Facility ID			wood / metal / other	N / R / M / G	<i>Visible from Road</i>
Regulations			wood / metal / other	N / R / M / G	<i>Posted as Nec</i>
Directional			wood / metal / other	N / R / M / G	<i>None</i>
Interpretive			wood / metal / other	N / R / M / G	<i>None</i>

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

*Each site elect water grill picnic table
 Fish cleaning station*

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

4:20pm

Location:	Twin Bridges State Park Upper	
Date:	5/12/2020	Surveyor: KAS
Photo Number(s):		

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	/		N / R / M / G	
Dock/Pier	/		N / R / M / G	
Mooring Dock	/		N / R / M / G	
Pavilion	III	Yes	N / R / M / G	12 tables in pavilion @ Gopher Valley Eagle Bluff
Picnic Table	IIIIIIIIII		N / R / M / G	check online to verify
Restroom	IIIIIIIIII		N / R / M / G	2 closed @ park office, Gopher Valley, Woody Trail
Trash Receptacles	IIIIIIIIII		N / R / M / G	
Other cabins	III	III	N / R / M / G	

PARKING	Total Spaces: _____ Standard: <u>13+12+12+10+6+17</u> ADA: <u>III</u> Double (trailer): <u>1</u> Other: _____	Condition N / R / M / G
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____	

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	
Facility ID	IIIIIIIIII	2x3' office	<u>wood</u> / metal / <u>other</u>	N / R / M / G	office sign x2 Gopher Valley, Eagle
Regulations	IIIIIIIIII	2x2'	wood / <u>metal</u> / other	N / R / M / G	
Directional	III		wood / <u>metal</u> / other	N / R / M / G	
Interpretive	IIIIIIIIII		<u>wood</u> / <u>metal</u> / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

1 mature center; 1 large truck parking spot @ park office
 playground equipment not accessible; volley ball + basketball @ Eagle
 updated Sept 2020

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location: Cherokee Main	
Date: 9/23/20	Surveyor: Kim S Shawnp
Photo Number(s): 1022-1026	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane			N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion	1	Y	N / R / M / <u>G</u>	
Picnic Table			N / R / M / G	
Restroom	1	N	N / R / M / <u>G</u>	with Showers
Trash Receptacles			N / R / M / G	
Other	10		N / R / M / G	Campsites (10) Table & Grill w/ Electricity

PARKING	Total Spaces: _____	Standard: _____	ADA: _____	Double (trailer): _____	Other: <u>unorganized parking</u>	Condition
	Surface Type: <u>Asphalt</u>	Concrete	<u>Gravel</u>	Other: _____		N / R / M / <u>G</u>

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	None
Facility ID			wood / metal / other	N / R / M / G	Sign at Road
Regulations			wood / metal / other	N / R / M / G	As appropriate
Directional			wood / metal / other	N / R / M / G	None
Interpretive			wood / metal / other	N / R / M / G	None

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:
 Note the age of the facilities (if known) as well as any signs of overuse.

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location: Cherokee Lakeside	
Date: 9/23/20	Surveyor: Kim S & Shawn P
Photo Number(s): 1028-1034	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1	N	N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion	1	Y	N / R / M / G	
Picnic Table	3		N / R / M / G	Day use on Beach w/ 3 Grills
Restroom	1	Y	N / R / M / G	w/showers
Trash Receptacles	3		N / R / M / G	2 Dumpsters 1 can
Other			N / R / M / G	Designated Swimming ^{Camping sites} RU w/ Electric ^{Water picnic} Grill

PARKING	Total Spaces: _____ Standard: _____ ADA: _____ Double (trailer): <u>12±</u> Other: _____	Condition N / R / M / G
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____	

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	None
Facility ID			wood / metal / other	N / R / M / G	Yes at Road
Regulations			wood / metal / other	N / R / M / G	As appropriate
Directional			wood / metal / other	N / R / M / G	Sign at Road
Interpretive			wood / metal / other	N / R / M / G	None

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

Gravel Beach is graded
 Playground

parking lot spaces not painted/ marked
 parking at each camping site
 - 5+ auto parking at swimarea
 - parking on road
 - unsafe playground equipment



RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Riverstone Upper (east)	
Date:	4/23/20	Surveyor: Kims / Shawn P
Photo Number(s):	1038-1042	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane			N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table	1		N / R / M / G	other tables at site
Restroom	1	Y	N / R / M / G	w/showers
Trash Receptacles	2	Y	N / R / M / G	Dumpsters
Other			N / R / M / G	Campsites (12) Water, Elect picnic table Grill Fire Ring

PARKING	Total Spaces: 5	Standard: 3	ADA: 2	Double (trailer):	Other:	Condition
	Surface Type: Asphalt	Concrete	Gravel	Other:		

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	None
Facility ID			wood / metal / other	N / R / M / G	sign on road see pictures
Regulations			wood / metal / other	N / R / M / G	As Appropriate 1044-1046
Directional			wood / metal / other	N / R / M / G	None
Interpretive			wood / metal / other	N / R / M / G	None

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

3 sites closed due to eroding bank parking @ camp sites and restrooms only

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

for Riverside
 Direction
 sign
 see pic 1055

Location:	Riverside Lower (west)	
Date:	9/23/20	Surveyor: Kims/Shawn P
Photo Number(s):	1043 1047-1054	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane			N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion	1	Y	N / R / M / G	
Picnic Table			N / R / M / G	
Restroom	2	Y	N / R / M / G	2 ADA parking @ each restroom
Trash Receptacles	2		N / R / M / G	Pumpster (1) Trashcan (1)
Other		Y	N / R / M / G	Compsites (18) water picnic table Grill Ring

PARKING	Total Spaces: _____ Standard: _____ ADA: _____ Double (trailer): _____ Other: _____	Condition
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____	

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	None
Facility ID			wood / metal / other	N / R / M / G	sign at rd
Regulations			wood / metal / other	N / R / M / G	As appropriate
Directional			wood / metal / other	N / R / M / G	sign at rd see pict 1047
Interpretive			wood / metal / other	N / R / M / G	None

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

unorganized parking; much on unpaved areas

Public Access Sites and Channel Sites (non-project)

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Connors Bridge	
Date:	9-22-20	Surveyor: Shawn Puzan
Photo Number(s):	913 - 919	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	2	Y	N / R / M / G	
Dock/Pier		Y	N / R / M / G	BF Embarkation pier
Mooring Dock		N	N / R / M / G	
Pavilion		N	N / R / M / G	
Picnic Table		N	N / R / M / G	
Restroom		N	N / R / M / G	
Trash Receptacles		N	N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: 13 Standard: 5 ADA: ___ Double (trailer): 8 Other: ___	Condition
	Surface Type: Asphalt Concrete Gravel Other: ___	

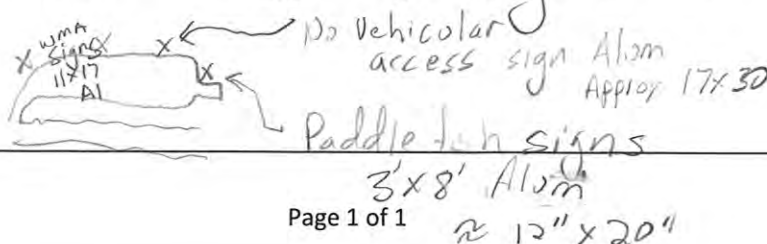
Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	NA
Facility ID			wood / metal / other	N / R / M / G	None
Regulations	3	See Below	wood / metal / other	N / R / M / G	ODWC WMA
Directional			wood / metal / other	N / R / M / G	None
Interpretive			wood / metal / other	N / R / M / G	None

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

could use more Directional signage but not located on main Road - BL Sign on Road?



RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Council Cove	
Date:	9/23/2020	Surveyor: KS SP
Photo Number(s):	962-968	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1	NO	N / <u>R</u> / M / G	ruttled gravel
Dock/Pier	—		N / R / M / G	
Mooring Dock	—		N / R / M / G	
Pavilion	—		N / R / M / G	
Picnic Table	2		<u>N</u> / R / M / G	both in need of replacement & west table should be relocated
Restroom	/		N / R / M / G	
Trash Receptacles	/		N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: _____	Standard: <u>10</u>	ADA: _____	Double (trailer): _____	Other: _____	Condition
	Surface Type: _____	Asphalt	Concrete	<u>Gravel</u>	Other: _____	N / R / <u>M</u> / G

Signs	#	Size	Material	Condition	Comments
FERC Project	/		wood / metal / other	N / R / M / G	
Facility ID	/		wood / metal / other	N / R / M / G	
Regulations	/		wood / metal / other	N / R / M / G	
Directional	/		wood / metal / other	N / R / M / G	
Interpretive	/		wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

site not good for boat launching, steep grade + gravel
 no signage present, formalize ped. access to water (stairs)
 trash cans needed, litter abundant

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT

Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Riverview A	
Date:	9-22-20	Surveyor: Shawn Puzen
Photo Number(s):	899-907	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1	N	N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion	2	Y	N / R / M / G	2 pavilions
Picnic Table	7	N	N / R / M / G	Difficult to dist. from Pic center
Restroom	3	Y	N / R / M / G	
Trash Receptacles			N / R / M / G	Dumpster & Tras
Other			N / R / M / G	Playground equip Pool & water park Frisbee Golf Course Baseball Fields

PARKING	Total Spaces: _____ Standard: _____ ADA: _____ Double (trailer): _____ Other: <u>See Below</u>	Condition
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____	N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project	NA		wood / metal / other	N / R / M / G	
Facility ID	1		wood / metal / other	N / R / M / G	Monument Type
Regulations			wood / metal / other	N / R / M / G	Throughout park as appropriate
Directional	None		wood / metal / other	N / R / M / G	Park entrance sign visible from Road
Interpretive	None		wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES: Pool → 25 in lot + 7 + 1 ADA
 Note the age of the facilities (if known) as well as any signs of overuse.
 Pool Parking has 31 spots (verify) 9 ADA spots
 Pavilion Parking Approximately 30 cars (verify) asphalt
 Pavilion Parking ~~gravel~~ 20 cars Asphalt No ADA spots → unmarked No ADA
 4 baseball fields no organized parking 1 baseball field Asphalt
 Over flow ~~gravel~~ / Asphalt parking by low water Dam Parking 43 spots
 (Needs Repair) Page 1 of 1

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT

Pensacola Hydroelectric Project (FERC No. 1494)

Location: Riverview B
Date: 9-22-20 Surveyor: Shawn Puzm
Photo Number(s): 908-918

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1	Yes	N / R / M / G	Elevated ADA pier foreembarkation
Dock/Pier		N	N / R / M / G	
Mooring Dock		N	N / R / M / G	
Pavilion		N	N / R / M / G	
Picnic Table	1	Y	N / R / M / G	
Restroom		N	N / R / M / G	Fairground Restroom w/walking Dist.
Trash Receptacles	1	Y	N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: <u>21</u> Standard: <u>5</u> ADA: <u>1</u> Double (trailer): <u>15</u> Other: _____	Condition
	Surface Type: <u>Asphalt</u> Concrete Gravel Other: _____	N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project	NA		wood / metal / other	N / R / M / G	
Facility ID	ND		wood / metal / other	N / R / M / G	
Regulations	Y		wood / metal / other	N / R / M / G	Throughout as appropriate
Directional	N		wood / metal / other	N / R / M / G	
Interpretive	N		wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:

Note the age of the facilities (if known) as well as any signs of overuse.

No parking lines (estimated #spots)

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

3

Location:	Spring River	
Date:	9-22-20	Surveyor: Shawn Puzen
Photo Number(s):	892-897	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	1	N	N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: 10	Standard: _____	ADA: _____	Double (trailer): 10	Other: estimated No Lines	Condition
	Surface Type: Asphalt	Concrete	Gravel	Other: _____		N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project	NA		wood / metal / other	N / R / M / G	
Facility ID	N		wood / metal / other	N / R / M / G	
Regulations	N		wood / metal / other	N / R / M / G	
Directional			wood / metal / other	N / R / M / G	
Interpretive	N		wood / metal / other	N / R / M / G	

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:
 Note the age of the facilities (if known) as well as any signs of overuse.

No directional signage on road
 Refuse dumped at parking No signage present at site.
 Sedimentation runoff directly into river (could be addressed)
 Site should be posted to close at night
 Pier may not be a good idea because river is relatively narrow. Road into site is paved.

**8*

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location: <i>W. New Park</i>	
Date:	Surveyor: <i>Shawn P / King</i>
Photo Number(s): <i>1056 - 1057</i>	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane	<i>1</i>	<i>N</i>	N / R / M / <u>G</u>	
Dock/Pier			N / R / M / <u>G</u>	
Mooring Dock	<i>1</i>	<i>N</i>	N / R / M / <u>G</u>	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / G	

PARKING Total Spaces: _____ Standard: _____ ADA: _____ Double (trailer): _____ Other: _____ *estimated No Lines* Condition: _____
 Surface Type: Asphalt Concrete Gravel Other: _____ N / R / M / G

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	<i>None</i>
Facility ID			wood / metal / other	N / R / M / G	<i>None</i>
Regulations			wood / metal / other	N / R / M / G	<i>None</i>
Directional			wood / metal / other	N / R / M / G	<i>None</i>
Interpretive			wood / metal / other	N / R / M / G	<i>None</i>

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:
 Note the age of the facilities (if known) as well as any signs of overuse.

RECREATION FACILITY INVENTORY AND CONDITION ASSESSMENT
Pensacola Hydroelectric Project (FERC No. 1494)

Location:	Channel S, for 1, 2, 3	
Date:	9/22, 2016	Surveyor: Kim S / Shawn P
Photo Number(s):	1027 1035-1037	

Type of Amenity	#	ADA	Condition	Notes
Boat Launch Ramp/Lane			N / R / M / G	
Dock/Pier			N / R / M / G	
Mooring Dock			N / R / M / G	
Pavilion			N / R / M / G	
Picnic Table			N / R / M / G	
Restroom			N / R / M / G	
Trash Receptacles			N / R / M / G	
Other			N / R / M / G	

PARKING	Total Spaces: _____	Standard: _____	ADA: _____	Double (trailer): _____	Other: <u>side of road</u>	Condition
	Surface Type: _____	Asphalt	Concrete	<u>Gravel</u>	Other: _____	

Signs	#	Size	Material	Condition	Comments
FERC Project			wood / metal / other	N / R / M / G	None
Facility ID			wood / metal / other	N / R / M / G	None
Regulations			wood / metal / other	N / R / M / G	As approp
Directional			wood / metal / other	N / R / M / G	None
Interpretive			wood / metal / other	N / R / M / G	None

N - Needs replacement (broken or missing components, or non-functional)
 R - Needs repair (structural damage or otherwise in obvious disrepair)
 M - Needs maintenance (ongoing maintenance issue, primarily cleaning)
 G - Good condition (functional and well-maintained)
 If a facility is given a rating of "N", "R", or "M", provide specific details.

ADDITIONAL COMMENTS/NOTES:
 Note the age of the facilities (if known) as well as any signs of overuse.

Access to channel for ATVs & off road

APPENDIX F: Water Level Photos

Water Level Photos



1. Spring River Public Access - May 27, 2020; view west. High water recorded on May 30, 2020 at 748.29 feet but no photo due to site flooding.



2. Spring River Public Access - September 26, 2020; view west. Low water level recorded at 742.2 feet.



3. Riverview Park Site A – May 22, 2020; view west. High water recorded on May 30, 2020 at 748.29 feet. No photo due to site flooding.



4. Riverview Park Site A – September 26, 2020; view west. Low water level recorded at 742.2 feet.

Water Level Photos



5. Riverview Park Site B – September 26, 2020; view east. Low water level recorded at 742.2 feet. (no high water mark photo from May available)



6. Twin Bridges State Park (lower) – May 30, 2020; view west. Site flooded. High water level recorded at 748.29 feet.



7. Twin Bridges State Park (lower) – September 26, 2020; view west. Low water level recorded at 742.2 feet.

Water Level Photos



8. Connors Bridge Public Access – May 27, 2020; view south. High water level recorded on May 30, 2020 at 748.29 feet, but site was flooded/inaccessible on that date.



9. Connors Bridge Public Access – September 26, 2020; view south. Low water level recorded at 742.2 feet.



10. Council Cove Public Access – May 30, 2020; view west. High water level recorded at 748.29 feet.



11. Council Cove Public Access – September 26, 2020; view west. Low water level recorded at 742.2 feet.

Water Level Photos



12. Wolf Creek – May 30, 2020; view northeast. High water level recorded at 748.29 feet.



13. Wolf Creek – May 30, 2020; view northeast. High water level recorded at 748.29 feet.



14. Wolf Creek – May 30, 2020; view northeast. High water level recorded at 748.29 feet.



15. Wolf Creek – May 30, 2020; view northeast. High water level recorded at 748.29 feet.

Water Level Photos



16. Wolf Creek – May 30, 2020; view northeast. Site flooding. High water level recorded at 748.29 feet.



17. Wolf Creek – May 27, 2020; view southeast. Water level recorded at 747.83 feet.



18. Wolf Creek – September 26, 2020; view northeast. Low water level recorded at 742.2 feet.



19. Wolf Creek – September 26, 2020; view northeast. Low water level recorded at 742.2 feet.

Water Level Photos



20. Wolf Creek – September 26, 2020; view northeast. Low water level recorded at 742.2 feet.



21. Wolf Creek – September 26, 2020; view northeast. Low water level recorded at 742.2 feet.



22. Wolf Creek – September 26, 2020; view northeast. Low water level recorded at 742.2 feet.



23. Wolf Creek – September 26, 2020; view northeast. Low water level recorded at 742.2 feet.

Water Level Photos



24. Honey Creek State Park – May 30, 2020; view north. High water level recorded at 748.29 feet.



25. Honey Creek State Park – September 26, 2020; view north. Low water level recorded at 742.2 feet.



26. Big Hollow – May 30, 2020; view northwest. High water level recorded at 748.29 feet.



27. Big Hollow – September 26, 2020; view northwest. Low water level recorded at 742.2 feet.

Water Level Photos



28. Cherokee State Park at Disney – May 30, 2020; view north. High water level recorded at 748.29 feet. Ramp closed.



29. Cherokee State Park at Disney – September 26, 2020; view north. Low water level recorded at 742.2 feet.



30. Cherokee State Park, Lakeside – May 27, 2020; view west. Second highest lake level recorded at 747.83 feet.



31. Cherokee State Park, Lakeside – September 26, 2020; view west. Low water level recorded at 742.2 feet.

Water Level Photos



32. Cherokee State Park, Riverside – May 27, 2020; view from east portion of Riverside park; west side closed due to flooding.
Second highest lake level recorded at 747.83 feet.



33. Cherokee State Park, Riverside – September 26, 2020; view northeast.
Low water level recorded at 742.2 feet.



34. Willow Park – May 30, 2020; view north. High water level recorded at 748.29 feet.



35. Willow Park – September 26, 2020; view north. Low water level recorded at 742.2 feet.

Water Level Photos



36. Duck Creek – May 30, 2020; view east. High water level of 748.29 feet caused flooding and no access to site.



37. Duck Creek – September 26, 2020; view south. Low water level recorded at 742.2 feet.



38. Seaplane Base – May 30, 2020; view west. High water level recorded at 748.29 feet and flooded boat ramp.



39. Seaplane Base – September 26, 2020; view west. Low water level recorded at 742.2 feet.

Water Level Photos



40. Bernice State Park – May 30, 2020; view southwest of north ramp. High water level recorded at 748.29 feet.



41. Bernice State Park – May 30, 2020; view southwest of south ramp. High water level recorded at 748.29 feet.



42. Bernice State Park – September 26, 2020; view southwest of north ramp. Low water level recorded at 742.2 feet.



43. Bernice State Park – September 26, 2020; view southwest of south ramp. Low water level recorded at 742.2 feet.

Water Level Photos



44. Monkey Island – May 30, 2020; view south. High water level recorded at 748.29 feet.



45. Monkey Island – September 26, 2020; view south. Low water level recorded at 742.2 feet.