

SECTION III - OPERATING PROJECTS: STATUS

3.01 PROJECT DEVELOPMENT AND OPERATION CHRONOLOGY

Clarence Cannon Dam and Mark Twain Lake were authorized by the Flood Control Act of 23 October 1962, Public Law 87-874. Construction began in 1966, and the lake was impounded in the spring of 1984. The hydropower plant in the main dam began on-line generation in the late fall of 1984.

3.02 CHRONOLOGY OF EXPENDITURES FOR PUBLIC USE AND ENVIRONMENTAL RESOURCE DEVELOPMENT

a. Federal Government.

(1) Recreation Area Development

Thirteen public recreation areas have been developed by the St. Louis District Corps of Engineers. Ten of these areas have been developed for intensive recreation and are named as follows: M.W. Boudreaux Recreation Area, Ray Behrens Recreation Area, Robert Allen Recreation Area, South Fork Recreation Area, Stoutsville Recreation Area, Indian Creek Recreation Area, John F. Spalding Recreation Area, Frank Russell Recreation Area, Warren G. See Spillway Recreation Area and Bluffview Recreation Area. Three additional areas, North Fork, Sandy Creek and Shell Branch Recreation Areas have limited facility development, with large portions of each reserved for future recreational development. In addition, the St. Louis District has partially developed two other areas that were included in the Mark Twain State Park lease issued to the Missouri Department of Natural Resources in 1986.

The scope of development varies with each respective area. Some areas provide basic facilities such as access roads, picnic tables, comfort stations and launch ramps with related parking, while other areas provide a swimming beach, campsites with electrical hookups, showerhouses, playgrounds, amphitheaters, and nature trails. The total cost of recreational and environmental developments for the recreational areas was \$21,916,515. This total was spent for initial development and construction of three major camping areas, eight major picnic areas, fourteen boat ramps, and approximately 34 miles of paved roadways. These facilities were opened for public use during the period 1979 through 1986.

The St. Louis District will provide additional facilities as proposed in this master plan subject to public demand and availability of funds. Table 3-1 summarizes existing recreational facilities at areas managed by the Corps of Engineers, those leased to the state of Missouri at Clarence Cannon Dam and Mark Twain Lake, and those operated on State Park lands adjacent to Corps property.

(2) Operation and Maintenance Cost

Operations expenditures for the period 1 October 2000 through 30 September 2001 (Fiscal Year 2001) amounted to \$2,906,047. Maintenance expenditures for the same period were \$2,646,945 for a total operation and maintenance cost of \$5,552,992.

b. Non-Federal Public Agencies

An area comprising 1,559 acres of land is outgranted to the Missouri Department of Natural Resources (MDNR). A 25-year lease (DACW43-1-86-6) ending 28 February 2010, authorizes the MDNR use and occupancy of 1,559 acres of land along the north and south shorelines of the main pool and along the south shore of the South Fork of the Salt River. The MDNR, formerly the Missouri State Park Board, had a large land holding along the Salt River before acquisition began. Six hundred and seven acres (607) of Government land were exchanged for 617 acres of MDNR's fee land and 17 acres of flowage easements. The 617 acres of land acquired by the Government from MDNR lie mainly in the pool area with some portions lying above 606.0 NGVD being included in the park lease. The land area of the lease is 1,559 acres as the premises was surveyed using a 606.0 NGVD elevation line, which is the top of the conservation pool. The terms of the lease allow for access to the water's edge if the pool should fall below the 606.0 elevation. Developed areas of Mark Twain State Park lie both on MDNR fee land and on the leased premises. Access to the park is by Missouri State Highway 107, which crosses portions of the park on a northwest southeast axis, and State Route U, which crosses parts of the park on an east/west axis. Existing development on leased land consists of an arterial road system, a swimming beach, a bathhouse, 10 picnic sites, two 4-lane boat ramps, one single-lane boat ramp, an overlook, 235 car parking spaces, 165 car/trailer parking spaces, 2 vault comfort stations, a group camp facility with swimming facility, and a land irrigation sewage treatment plant (STP).

c. Private Recreational Investment

(1) Concession Leases. There are two commercial concession leases at Clarence Cannon Dam and Mark Twain Lake. The leases occupy portions of two Corps developed public recreation areas. A summary of a feasibility study entitled "*Market Potential and Feasibility Analysis of Commercial Concession Development at Mark Twain Lake, Missouri*", completed in January 2001 that addressed marina capacities, expansion possibilities and a potential third marina, is located in Appendix B.

Descriptions of the commercial concession lease areas are provided below:

(a) Blackjack Marina (Blackjack Marina, Inc., Lessee) comprises approximately 24.0 acres of land. The total leased area is 37.5 acres, which includes approximately 13.5 acres of water in the conservation pool. The area is located in the southern portion of the Ray Behrens Recreation Area approximately two miles southwest of the main dam. The concession lies entirely on Government land and includes a total of 275 boat slips (total includes every slip including courtesy boat slips); a sales and service building, and a floating gas dock/store. Services, boat rentals and hunting and fishing licenses are available for sale to the public. The facility began operation in 1985. Proposed additional facilities include overnight accommodations, dock and slip expansion and supplemental parking when the present facilities approach capacity. Lease No. DACW43-1-84-6 covering the site expires on 31 October 2008.

(b) Indian Creek Marina (Indian Creek Development Corporation Lessee) comprises approximately 97.4 acres of land. The total leased area is 154.64 acres, which includes approximately 57.2 acres of water in the conservation pool. The area is located in the southwestern portion of the Indian Creek peninsula and lies entirely on Government land. The marina began operation in 1986. Existing facilities include a total of 221 boat slips (total includes rental slips, courtesy slips, etc), primary electrical service, a storage building, a general store, a restaurant, and gas pumps. Access roads and 200 parking spaces exist on the site. Proposed facilities may include overnight accommodations. Lease No. DACW43-1-84-63 covering the site expires 29 May 2014.

(c) Mark Twain State Park Although the State has indicated that a “third commercial concession area” is no longer an element in their short-term or long-term planning, this is an excellent location for a third commercial concession area. A January 2001 feasibility study entitled *Market Potential and Feasibility Analysis of Commercial Concession Development at Mark Twain Lake, Missouri* prepared by Parsons HBA for the Corps stated that under the present circumstances, development of a quality resort lodge/hotel with a restaurant and ancillary facilities is a higher priority than developing a third marina. The potential at this location is excellent because of compatible existing facilities and good access from major highways as stated in Appendix D, page D-16 of the market feasibility report. A summary of the study is included in Appendix B of this Master Plan.

d. Summary of Recreation Facilities

Table 3-1 presents a listing of all existing recreational facilities that have been provided at Clarence Cannon Dam and Mark Twain Lake by the Corps of Engineers, the State of Missouri, and private concessionaires.

Mark Twain Lake Master Plan

TABLE 3-1

OPERATING PROJECTS: MARK TWAIN LAKE

STATUS: EXISTING PUBLIC RECREATIONAL DEVELOPMENT

AREA	Campsite Full Hookup	Camp Sites W/Elec.	Camp Sites Primitive	Group Camp Sites	Trailer Dump Station	Shower Building	Comfort Station	Comfort Vault	Picnic Sites	Picnic Shelter	Swim Beach	Fish Cleaning Stations	Fountains/ Hydrants	Boat Ramp Launch Lanes	Play Ground	Bath House	Amphi-theater	Corral	High Water Ramp	Multi-Purpose Building	Visitor Center Interpretive Exhibits	Marina	Shooting Range	Change House
M.W. Boudreaux Recreation Area							1		14												1			
John C. "Jack" Briscoe				20		1				1			2		1									
Ray Behrens	7	165			1	4	5		15	1		1	10	4	4		1						1	
Robert Allen								1	3					4					1					
South Fork								1	3					4										
Stoutsville								1	3			1		4					1					
North Fork														4										
Shell Branch														4										
Sandy Creek																								
Indian Creek	13	190	20	*37	2	6	7	3	13	2	1	2	19	5	4		1		1				1	
John Spalding							3		33	3	1	1	4	4	1	1			1					
Frank Russell		65			1	1		3					3		2		1	1						
Spillway								4		2			7	2	2					1	1		1	
Bluff View								2	4	1				1	1									
Hunter/ Fisherman Lots (36)			6					1	2					9										
Corps Total	20	420	26	57	4	12	16	16	90	10	2	5	45	45	15	1	3	1	4	1	2	2	1	
State Park Facilities **		63	40	4****	1	2	0	7	30	1	2****	1	13	9	1		1			1	1			1
Grand Total	20	483	66	61	5	14	16	23	120	11	4	6	58	54	16	1	4	1	4	2	3	2	1	1

* Twelve of these sites are tent only sites. Twenty-five of these sites are trailer sites with electric.

** State Park facilities listing are for both State Park owned lands and leased properties.

*** Facilities include 1 Swim Beach and 1 Swimming Facility

**** Four cabins and a dining hall