
APPENDIX E
NEW MELONES LAKE POLICY

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Note to reader:

Please be advised that the following documents are examples of policies, which are representative of the type of management that Reclamation would implement under this RMP/EIS. These policies are subject to modification, due to changing conditions, regulations, and direction from Reclamation.

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MEMORANDUM FOR RECORD

From: Peggi Brooks, Resource Manager, New Melones Lake

Date: April 11, 2006

Subject: Establishment of Special Use Area

- a. The New Melones Lake Project is hereby designated in its entirety as a Special Use Area. This action is necessary for the protection of public health and safety, the protection and preservation of cultural and natural resources, the protection of environmental and scenic values, scientific research, the security of Reclamation facilities and the avoidance of conflict among visitor use activities.
- b. Within the New Melones Special Use Area, Reclamation has established schedules of visiting hours, public use limits, special uses and other conditions, restrictions and prohibitions on particular uses or activities. These are described in the attached statement of policies, and are also contained in written management plans, brochures, websites, maps, displays, signs, bulletin boards, public notices, etc.
- c. Reclamation may occasionally need to revise the boundaries of the special use area, and may revise or terminate previously imposed schedule of visiting hours, public use limits, special uses and other established conditions, restrictions and prohibitions on public uses or activities.

Att: 1

New Melones Lake Policy

As a United States Department of Interior, Bureau of Reclamation Project, New Melones Lake is administered in accordance with 43 Code of Federal Regulations (CFR) Part 423 Public Conduct on Bureau of Reclamation Facilities, Lands, and Waterbodies. All applicable federal, state and local laws and regulations are also in effect. In addition to the general public conduct requirements, 43 CFR Part 423 Subpart E provides for the establishment of specific policies for a designated Special Use Area. The New Melones Lake Project is a Designated Special Use Area. The following policies have been developed for common activities to ensure a safe and enjoyable experience for all visitors and to protect the resources of New Melones Lake. Additional policies may be in effect for other activities. To obtain a copy of 43 CFR 423, please visit: http://www.usbr.gov/mp/cca0/new_melones/docs/camping_43cfr_parts423_429.pdf

Please contact the Park Ranger on duty for information or to report any violations. Or call the New Melones Lake Office at (209) 536-9094 (Mon.-Fri. 8:00am to 4:30 pm). For emergency assistance dial 911. Your cooperation and consideration is appreciated.

Section 1. Camping

- 1.1 Standard Campsites: Maximum of 2 motor vehicles and a maximum of 8 persons per standard campsite.
- 1.2 Walk-In Campsites: Maximum of 1 vehicle and 4 persons at all walk-in sites.
- 1.3 Camping is permitted only in designated areas.
- 1.4 Campsites purchased on a first-come, first-serve basis must be occupied overnight.
- 1.5 Campground showers are for the use of registered campers only.
- 1.6 Reservable campsites, not currently reserved, may be purchased on a first-come first-serve basis for a maximum of two nights. Campers wishing to stay in a non-occupied, reservable campsite should pay for the first two nights using the self-deposit fee box and should also immediately make a reservation for the extra nights.
- 1.7 For purposes of campsite vehicle restrictions, 2 motorcycles will be the equivalent of 1 car. For purposes of campsite vehicle restrictions, a motor home/RV towing another vehicle will be considered 1 car so long as the motor home/RV is parked in the campsite and not moved during the course of the camper's stay.
- 1.8 Users will not exceed person/vehicle occupancy limits of group campsites.

Section 2. Noise

- 2.1 Quiet shall be maintained in all public use areas between the hours of 10:00 pm and 8:00 am. Excessive noise during such times which unreasonably disturbs persons is prohibited.
- 2.2 Audio devices or other noise producing devices should be used at a volume that does not disturb others. The sound produced from audio devices or other noise producing devices cannot be audible at a distance in excess of 50 feet. Applies during all hours in campgrounds, day use areas, vehicles and on vessels.

Section 3. Disorderly Conduct

- 3.1 Individuals who are boisterous, rowdy, disorderly or otherwise disturb the peace on project lands or water may be requested to leave the project.
- 3.2 Individuals will obey all posted restrictions. These restrictions may be temporary traffic control, regulatory buoys, seasonal closures, etc.

New Melones Lake Policy (cont'd)

Section 4. Fires

4.1 Fires must be confined to designated fire rings and BBQ grills in the campground or day use area. Size/height of fires in fire rings and BBQ grills may be restricted at any time for safety reasons.

4.2 Personal BBQ grills are only permitted in designated campgrounds and picnic areas within an area cleared of vegetation, or on a vessel or houseboat. Personal BBQ grills are not permitted in the launch ramp parking lots or on the shoreline. Ashes/charcoal from personal BBQ's will be transported off of project lands. Ashes/charcoal will not be placed in project refuse containers or dumped on project lands or into project waters.

4.3 No open flame devices are permitted, e.g. Tiki torches

4.4 Unattended fires are prohibited. Fires must be completely extinguished before departure.

Section 5. Vehicles

5.1 Maximum speed limit is 15 mph in campground and day use areas or as posted.

5.2 Vehicle traffic is restricted to designated paved and gravel roads. Vehicles may not be operated off road.

5.3 Vehicle parking is permitted in designated areas only. Vehicles may not be parked off road.

5.4 Vehicles and loaded boat trailers must be parked on pavement/parking spur without impeding traffic in the roadway. Empty boat trailers, small pop-up tent trailers, and small utility trailers must also be parked on the pavement/parking spur.

5.5 Towing a trailered vessel containing a passenger is not permitted per State law.

Section 6. Animals

6.1 Pets must be on a leash 6 feet or less in length or otherwise physically restrained at all times.

6.2 Pets may not be left unattended. Noisy pets will not be permitted.

6.3 No pets are permitted on the swim beach in Angel's Cove. Pets are permitted in the beach parking area and at adjacent picnic sites.

6.4 Persons bringing or allowing pets in designated public use areas shall be responsible for proper removal and disposal, in sanitary facilities, of any waste produced by these animals.

6.5 Livestock are not allowed to occupy Reclamation lands or waters without a valid grazing permit issued by Reclamation.

Section 7. Recreational Devices

7.1 Dirt bikes, ATV's or other off-road vehicles are not permitted.

7.2 Bicycles are allowed on designated roadways, fire roads and trails in accordance with posted restrictions and state and local laws.

7.3 Bicycles must yield to pedestrians and equestrian riders.

New Melones Lake Policy (cont'd)

Section 8. Wood Gathering

8.1 Wood gathering is restricted to dead and down trees, for use while camping. Wood gathered at New Melones may not be removed from the Project for any purpose.

8.2 Chain saws are prohibited at New Melones Lake.

Section 9. Projectile Firing Devices

9.1 Loaded projectile firing devices are not permitted in the developed recreation areas and other “no hunting areas” designated in section 10.1. These include, but are not limited to, firearms, bows, air rifles, sling shots, paintball guns, and toy/replica weapons.

Section 10. Hunting and Fishing

10.1 Hunting is not permitted in developed recreation areas, security areas, or specially designated “no hunting” areas. “No hunting” areas include Glory Hole Recreation Area, Tuttle town Recreation Area, New Melones Administration and Mark Twain area, Dam and Powerhouse area, Spillway.

10.2 No fishing is allowed downstream of New Melones Dam between the dam and the downstream buoy line.

Section 11. Launch Ramps

11.1 Courtesy docks are restricted to boating traffic only. Vessels may be moored to the courtesy docks for a maximum of 10 minutes.

11.2 No fishing or swimming within 100 feet of the launch ramps, public docks, or marina docks.

11.3 No swimming within 100 feet of the launch ramps or public docks. No swimming within the entire marina mooring/concession area.

11.4 No parking on launch ramps except to launch or retrieve vessels/passengers.

Section 12. Houseboats/vessels

12.1 Houseboats are not permitted to use the public docks at the boat ramps. Houseboats are permitted to use the Marina docks only.

12.2 No houseboat/vessel maintenance/repairs will be allowed on Reclamation lands or waters, except at authorized concession facilities. Maintenance and repairs include body or engine repair, interior and exterior renovation, painting, welding, or any work that includes or produces hazardous materials, hazardous energy, or poses a safety or health risk to the public.

12.3 Houseboat owners must obtain all necessary permits, including a permit from Reclamation, prior to launching, retrieving or transporting a houseboat on Reclamation property.

12.4 Houseboats or overnight occupancy vessels with or without an authorized mooring space at the marina may be occupied overnight on the lake for a maximum of 14 days, except within ¼ mile of any campground or other prohibited area. Overnight occupation of houseboats/vessels at the marina must be in accordance with the marina concession agreement and vessel mooring permit.

12.5 Houseboats and other vessels without an authorized mooring space at the marina must be removed from the lake and from the New Melones Project after 14 days.

New Melones Lake Policy (cont'd)

Section 13. Sanitation

13.1 Salvaging items or materials from refuse containers is not permitted.

Section 14. Gold Panning and Dredging

14.1 Commercial gold panning and dredging (including commercial tours) is not permitted. Recreational, by-hand gold panning by individuals is permitted except in closed areas, provided that the activity does not create or accelerate turbidity, bank erosion, or damage natural or cultural resources. Recreational dredging is permitted, except in closed areas, with a valid dredge permit from the Department of Fish and Game. Dredging must be in streams above the current pool level of New Melones Lake and must use a dredge nozzle no greater than 6" in diameter. All panning or dredging must be done within the water of an active stream/river. Digging in the banks or nearby areas is not allowed.

Section 15. Lost and Found

15.1 Items found on project lands or waters shall be brought to the Park Administration Office and processed according to lost and found procedures.

Section 16. Aircraft

16.1 Parasailing, paragliding, and hang gliding are not permitted.

16.2 The airstrip located on the north side of the California Department of Forestry's Baseline Conservation Camp is designated as a Special Use Area for flying radio-controlled model aircraft. Model aircraft may be operated only in this location and only in accordance with rules established as a part of the license to use this area.

16.3 Seaplane use is permitted at New Melones Lake with the following restrictions:

(a) Seaplanes may not be operated from 1 hour after sunset to 1 hour before sunrise. Overnight moorage is permitted in developed marinas only.

(b) Seaplane operation is prohibited within 1,500 feet of New Melones Dam and within 500 feet of a beach frequented by bathers or other recreationists.

(c) Landings and takeoffs will be permitted only on water at least 1000 feet from any shoreline.

(d) The operation of seaplanes for other than recreational purposes (e.g. pilot training or instruction) is prohibited.

(e) Seaplanes, except during takeoff and landing, will abide by the California Boating Law in their movement on the lake.

16.4 Airplane overflights at New Melones Lake are permitted with the following restrictions:

(a) Aircraft must maintain a minimum of 500 feet of altitude above any land or water, except when a seaplane is landing or taking off.

(b) Aircraft must not fly directly over the dam, the Highway 49 Bridge and Administration area, Tuttle town Recreation Area or Glory Hole Recreation Area.

New Melones Lake Policy (cont'd)

Section 17. Equestrian Use

17.1 Equestrians are permitted only in the Peoria Wildlife Management Area, Chaparral Basin, French Flat and Bear Creek areas. Equestrian use is not permitted in the developed recreation areas.

17.2 Overnight use of the Peoria Wildlife Management Area equestrian staging area is allowed by permit only.

Section 18. RV Dump Stations

18.1 Fees are required for the use of any RV Dump Station.

18.2 Users must follow instructions and restrictions posted at the RV Dump Station.

18.3 Black or gray water may not be disposed of except at a designated RV Dump Station.

Section 19. Day Use Areas

19.1 Group picnic sites with posted and/or confirmed reservations may not be occupied except by the reserving party. Users will not exceed occupancy limits of group picnic sites.

19.2 Day use areas are closed at dusk.

Section 20. Smoking

20.1 Smoking or use of tobacco products is not permitted within 25 feet of any playground, amphitheater, restroom, or public building.

20.2 Improper disposal of smoking or tobacco products is prohibited.

Section 21. Fees

21.1 Failure to pay authorized use or permit fees and/or properly display applicable receipt, permit or pass is prohibited.

21.2 Camping fees must be paid within 30 minutes of arrival.

21.3 RV Dump Station use fees must be paid prior to using an RV dump station.

21.4 Boat launch fees must be paid upon arrival into a fee area.

21.5 Daily amenity fees must be paid upon arrival into a fee area.

21.6 All other standard or expanded amenity fees must be paid upon arrival into a fee area.

**Central California Area Office
Special Event Classification and Fees**

Schedule of Fees for Special Events Conducted on Reclamation Lands and Waters Managed by the Central California Area Office.

PURPOSE

To provide standard criteria for the Special Event permitting process at Lake Berryessa and New Melones Lake. In addition, these guidelines will establish fair and equitable guidelines for rate setting. This document will serve as guidance as a supplement to 43 CFR Part 429.

PROCEDURE

Individuals or groups requesting use of Reclamation lands, waters and/or facilities at Lake Berryessa and New Melones Lake, for short-term special events or activities, usually associated with recreation, as described below and that are not inherently commercial activities, must submit the stated fee at the time of application. The use fees and administrative costs specified for events/activities defined below include expenses incurred for agency administration, processing and monitoring of the event, as well as the fair market value and/or reasonable and customary use fees for like events, activities, or land uses charged by other agencies or entities in the market area. Use fees are per day unless otherwise specified. All revenues received under this fee activity guideline will be credited as incidental revenues.

Use fees do not include provision of any extra facilities, services or costs borne by Reclamation as a result of the event/activity. Use fees do not include costs for environmental compliance such as environmental review or permits. Such administrative costs must be paid by the permittee directly. Special events or activities which do not fit within the criteria described below are required to comply with all requirements in 43 CFR Part 429. A special event permit will not be issued until all appropriate fees and administrative costs have been paid.

Events that are within the normally occurring/approved range of activities authorized by concession contracts may not require a permit. Reclamation will evaluate the concession sponsored event/activity and determine the need for permits.

Application Materials should be received a minimum of 45 days in advance for a reservation to be considered. Exceptions may apply at Reclamation's discretion.

Special activities or events that are considered commercial must comply with the Right of Use permit process and are not eligible for the special event classification fee schedule.

The special event fees described below do not include any other established fees such as boat launching, overnight camping, sanitary dumping, etc. These other established fees are payable by each participant in the requested special event.

The applicant is responsible for any other permits or licenses needed for the activity as required by law and regulation, e.g., food handling permit, fishing license, etc.

SPECIAL EVENT CLASSIFICATION AND FEE SCHEDULES

Special Event 1. Fee: \$75.00

Involves up to 50 people, including the audience, and meets all of the following criteria:

(Examples include- birthday parties, and group day use etc.)

- Is free and open to the public (excluding private family picnics/gatherings).
- Does not alter public access.
- Involves no equipment, signage, decorations or furnishings.

- Is not an athletic event/competitive event.
- Does not require a parking plan.
- Does not require event management by park staff.
- Does not involve overnight use.
- Involves the use of 25 boats or less during event.

Special Event 2, Fee: \$75.00 (this category may be in addition to # 1 and/or #3)

Involves a Short-Term Activity associated with Recreation, such as a temporary use (1 -3 days) of Reclamation property for necessary activities:

- Houseboat Launching, Retrieving or Transporting on Reclamation Roadways.
- Parking or staging of large equipment or vehicles.
- Temporary parking for off-project events such as school events, etc.

Special Event 3. Fee: \$ 100.00

Involves fewer than 100 people, including the audience, and meets one or more of the following criteria: (Examples include- weddings, and athletic events etc.)

- Requires a simple parking plan.
- Involves short-term alteration of public access to areas such as parking lots, roadways, picnic sites, campsites or trails.
- Requires special access by the permittee, such as setup after normal operating hours.
- Is an Athletic or Competitive event with start and/or finish celebration on Reclamation property.
- Involves catering.
- Involves 26-49 boats during the event.
- Requires equipment, decorations or furnishings, for example, up to 5 tents no larger than 20' x 20' with a small P.A. or finish line banner, up to 10 tables, and up to 100 chairs etc.
- Involves short-term overnight use.

Special Event 4. Fee: Waived.

Fees may be waived at Reclamation's discretion if the event meets the criteria for a Special Event 1 or 2 and is a short-term use by a public agency or nonprofit group for the purposes of one or more of the following: (Examples include- Government agency event, or non-profit event etc.)

- Training. Examples include Search and Rescue training, fire training, law enforcement team building event, etc.
- Education. Examples include college class field coursework or excursions, water safety demonstrations, vessel safety checks, etc.
- Interpretation of natural or cultural resources which complements Reclamation's mission. Examples include guided walks or hikes facilitated or led by Audubon Society, Native Plant Society, etc.
- Volunteer workday or event which complements Reclamation's mission. Examples include trail maintenance workdays, youth group service projects, community service group projects, etc.
- Certain fund-raisers for Non-Profit organizations, with prior park staff approval.

If the event does not fall in any of the above categories the following steps are required to obtain a Special Event Permit:

1. Complete a Right of Use Application (7-2540)
2. Pay a \$200.00 initial deposit for administrative costs in accordance with 43 CFR 429 (Procedure to Process and Recover the Value of Rights-Of-Use and Administrative Costs Incurred in Permitting Such Use).

Additional information on this process may be obtained by contacting the local Reclamation office or going on-line to: <http://www.usbr.gov/pmts/lands/>.

CC-460
LND-8.00

MEMORANDUM FOR RECORD

From: Peggi Brooks, Resource Manager, New Melones Lake

Date: April 11, 2006

Subject: Current Closures

The following areas within the New Melones Lake Project have been, and will continue to remain in a closed status until further notice. Note that the type of closure varies by location.

- d. New Melones Powerplant and Vicinity: including outlet works and river downstream to buoy line, and Visitor overlook, and area leased to and occupied by California Division of Forestry, Baseline Conservation Camp. Closed to public vehicles, hunting and fishing
- e. New Melones Dam and Spillway. Closed to all public access.
- f. Old Parrotts Ferry Road. Closed to public vehicles.
- g. Peoria Wildlife Management Area. Closed to public vehicles.
- h. Melones Recreation Area. Closed to public vehicles.
- i. French Flat Recreation Area. Closed to public vehicles.
- j. Bear Creek Recreation Area. Closed to public vehicles.

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APPENDIX F
CAVE CHARACTERISTICS

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Table F-1: Summary of Characteristics of Caves Identified within the Management Area

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
Stanislaus River Canyon Study Area			
Cave 001	338 ± 2 m (1,110 ± 6 ft)	Round 50-cm-diameter entrance on a cliff face. The cave is a solution tube, 4m long.	None
Cave 003	236m (970 ft)	Entrance (2.5m X 4m), entrance room(2m x 2m), small crawlway at back of room (2m).	None
Cave 005	280 ± 6m (920 ± 20 ft)*	Consists of four prominent entrances at the base of a cliff. All lead 2m to 5m into the cliff face to a series of narrow passageways too small for human access.	No hazards. Graffiti is present at one location, broken formations in restricted passageway from attempted human penetration.
Cave 007	365 ± 10m (1,200 ± 30 ft)	The 3m high and 8m wide entrance extends into the cave for 3m.	Stalactites have been broken and "FI" has been scratched into the wall.
Cave 008	549m (1,800 ft)	A large crack emitting a large volume of air, a restriction 5 ft below the entrance make s access impossible.	Many formations in the entrance room are broken.
Cave 012	1,080 ft*	Entrance is 1m in height and 50cm in length. This passage widens to a room 4m long and 2m wide.	None
Cave 013	920 ft*	Entrance 1m in height and 2m in width and leads down a 30° slope for 3m to a room 5m long, 1.5m wide, and 2m high.	Trash has been dumped into the cave through restricted fissures.
Cave 014	951 ± 10 ft*	Entrance is 1.5m in height and 15 m in width extend 2m into a cliff face. Two small passages continue for 2m but are too small for human access.	None
Cave 019	910 ft*	The caves are a series of large fissures that have been exposed to mining.	None
Cave 020	955 ± 20 ft*	A 1m by 0.3m entrance leads 3m to a horizontal fissure that is 4m long.	None
Cave 021	1,400 ± 10 ft	Located high above the Stanislaus river in the cliff face. The impressive entrance is 14m high, 4m width, and 3m deep.	None
Cave 024	920 ± 9 ft*	A 5m high and 6m long entrance lead into two small rooms.	None

Table F-1: Summary of Characteristics of Caves Identified within the Management Area *(continued)*

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
Cave 025	1,005 ± 5 ft*	A 2m x 2 m entrance leads to an entrance chamber with breakdown blocks and a massive flowstone slope leading to a 5m long chamber.	Graffiti is present at several places and about half of the stalactites have been broken.
Cave 031	1,450 ± 10 ft	A 1m wide and 1.5m tall entrance at the base of a steep cliff leads up into a tight chimney for 7m and pinches out.	None
Cave 032	905 ± 6 ft*	The 1.5m by 1m entrance is followed by a 6m cave which slopes back up to a second smaller entrance at ground level.	Graffiti and trash are present.
Cave 033	906 ± 5 ft*	The pit has a 2m by 3m entrance and is 4m deep. It appears to be a mined fissure.	None
Cave 036	1,180 ± 60 ft	The cave is located at the top of a talus cone, a room 1m high and 3m into the side of the gulch was found.	None
Cave 038	1,040 ± 30 ft*	The entrance is located in breakdown at the base of a cliff. A room 10m long and 5m wide extends into the mountainside. Maximum height is 1m.	None
Cave 039	955 ft*	Described by Squire (1975) as “a classic cave entrance 1½ ft by 2 ft leading downward on a slope for about 3 ft to a solution cavity filled with water”.	None
Cave 044	910 ± 6ft*	An “L” shaped passage way close to the waters edge. Total passage length about 4.5m.	None
Cave 046	968 ± 10 ft*	The entrance is 3m wide and 1m wide and ends with a flowstone plug.	None
Cave 047	1,000 ± 10 ft*	The cave is reached by a well developed trail and is a classic solution passage with flat ceiling and rounded sides. The passage is a “V” shape and has two entrances.	None
Cave 048	1,049 ft*	A small single room cave with a 4m by 4m entrance.	Many names have been carved into the wall, the earliest being from 1912.
Cave 054	1,008 ± 5 ft*	Two small, gated, entrances lead to a chamber 15m long and 6m wide. A short passage at the end of the	Moving from one level of the cave to another involves climbing over

Table F-1: Summary of Characteristics of Caves Identified within the Management Area *(continued)*

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
		first chamber leads to another chamber 25m long and 4m wide. Each of the primary chambers has side passages leading to smaller rooms on either side.	dangerously exposed routes. Large loose rocks pose a threat. Becoming lost. Throughout the cave there are broken formations, litter, and inscriptions on the walls.
Cave 055	1,085 ± 40 ft*	A narrow entrance leads to a room 1m wide and 2m long.	None
Cave 056	943 ± 10 ft*	An entrance with a low ceiling in the side of the cliff leads to an 8m passage that terminates at the back of the cliff.	None
Cave 059	930 ± 3 ft*	Entrance is 1m high by 2m wide in the side of a small cliff. The passage continues for 6m where hole in the ceiling leads up another 4m.	Broken formations.
Cave 061	940 ft*	A small 1m by 0.5m entrance at the base of a cliff leads down a 4m passage to a small room.	None
Cave 063	1,200 ± 80 ft	The entrance is on a steep hillside overlooking the river and is 1.5m wide and 3m high. The entrance leads to a 4m x 4m x 4m room.	None
Cave 067	978 ± 15 ft*	The entrance is 1.5m by 2m wide and is located at above a talus field at the base of a cliff. The cave is 7m long with a 15cm calcite band running the length of the cave.	None
Cave 068	980 ± 10 ft*	A narrow entrance leads to a 5m by 6m room. A tight squeeze leads to another room that is 8m by 12 m.	None
Cave 069	955 ± 10 ft*	A narrow entrance near the base of a cliff leads down a small passage for 11m to its end.	A 1946 signature is written on the wall.
Cave 070	980 ft*	Has three small entrances at the base of a cliff that lead to a small room.	None
Cave 071	1,015 ± 10 ft*	The 1m high and 3m wide entrance. A small crawlway leads 8m before coming to an end.	Broken formations.
Cave 074	920 ± 10 ft*	Located on shear cliff face. Entrance 1.5m by 4m wide leading to a solution pocket.	None
Cave 076	1,110 ± 20	A huge slab of limestone slid down	None

Table F-1: Summary of Characteristics of Caves Identified within the Management Area (continued)

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
	ft	from the bedrock forming a cavity that was enlarged by solution.	
Cave 077	1,150 ± 40 ft	A small entrance leads to a small room 1.5m by 1m which joins a sloping 5m pit leading to a 5m by 5m room. A small passage from here connects with another small room.	The cave is very evident and the 5m pit might pose danger to visitors.
Cave 078	1,480 ft	Squire (1972) describes the cave as “an opening leading to a room 20 ft x 20 ft having a passage leading to an unexplored area”.	None
Cave 080	1,550 ± 3 ft	A 2m x 2m entrance leads down a 2m crawlway leading to a small room.	
Cave 082	1,020 ± 20 ft*	Entrance 1.5m by 1.5m. Above a steeply sloping bedding plane. A small shelter.	None
Cave 083	906 ft*	Entrance is 3m by 1.5 m and leads to a triangular shaped passage for 5.5m. A side passage measures 4.5m.	None
Cave 084	1,000 ft*	Described by Squire (1975) as “a small drainage cavity about 10 ft in length with a 1 ft by 2 ft entrance”.	None
Cave 086	1,000 ± 3 ft*	The cave is formed from large boulders in the bed of an intermittent stream.	None
Cave 087	1,090 ± 20 ft	A large 3m by 3m entrance leads to a small fissure 1m in width, 1.5 meters in height and 3m in length.	None
Coyote Creek Study Area			
Cave 010	1,520 ± ft	Entrance (1m wide by 1.5m long) slopes downward for 12m to a 5.5m pit. A passage leads from the pit to another 10m pit and ends a lower cave. The lower cave is a maze of steep fissures reaching a depth of 34 m.	The vertical nature and loose rock make this cave dangerous even for experienced cavers. Evidence of excavation or looting is present in the lower cave.
Cave 015	1,560 ± 40 ft	Small 0.4m by 0.8m entrance leads to a drop of 4m turning into a room 3.5m long and 2m wide.	None

Table F-1: Summary of Characteristics of Caves Identified within the Management Area *(continued)*

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
Cave 016	1,560 ± 20 ft	The entrance is 1.75 m by .75m on the edge of a large karst outcrop. It begins with a corkscrew drop of 14m, then straight drop of 20m to the floor where a 5.5m by 2m room is found.	Cave drops vertically 34m from entrance. Litter near the entrance, names scratched on walls.
Cave 017	1,560 ± 40 ft	A 0.4m diameter solution tube leads downward to an enlarged joint system. A 1m by 2m room is 5m below the entrance.	None
Cave 026	1,500 ft	Not found, though Squire (1972) described a small cave on the Mitchell property.	None
Cave 029	1,560 ± 40 ft	The 0.5 m entrance leads to a narrow fissure with a dirt floor.	None
Cave 030	1,980 ± 20 ft	A small fissure leads into a slanting drop for 10m. A room 3m long continues into a small passage and terminates.	None
Cave 042	1,500 ft	The cave is described by Squire (1972) as a small cave located near the "rock pile".	None
Cave 049	1,500 ft	The cave has been described by Squire (1972) as "a small cave within the rock pile".	None
Cave 050	1,560 ± 20 ft	A long narrow fissure measuring 7m in length leads from the entrance into a 3m wide and 7m long room. Another restricted passage leads another 7m down where the cave dead ends.	Very narrow entrance in which a person could get stuck.
Cave 051	1,390 ± 20 ft	A horizontal entrance sloping down 8m to a 9m drop through a fissure. The fissure opens into an 8m by 4m chamber.	The vertical fissure leading into the cave poses a definite danger for inexperienced or under equipped persons. This cave is highly visited and many formations have been chipped and broken to allow for easier entrance.
Cave 052	1,100 ± 10 ft	This cave is a 60m stream passage that Coyote Creek flows through. This underground passage averages 10m wide and 3m in height.	Inscriptions on walls and formations. Most delicate formations have been broken.
Cave 053	1,200 ± 20	A sloping fissure 10m long, 8m tall	None

Table F-1: Summary of Characteristics of Caves Identified within the Management Area *(continued)*

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
	ft	and 1m wide.	
Cave 057	1,500 ft	It was described by Squire (1972) as a small cave near the “rock pile”.	None
Cave 058	1,560 ± 20 ft	A 1m wide 4m long fissure entrance leads down 15m to a room 5m long and 3m wide. Two long passage ways extend from the room for 22m and 12m. A short crawlway connects to another room 3m by 3m with a long “L” shaped passage 19m long.	Dangerous vertical fissure entrance. Recent inscriptions are written over historic signatures dating to 1851.
Cave 062	1,560 ± 40 ft	The 0.3m by 1m entrance leads into a fissure filled with soil.	None
Cave 072	1,420 ± 20 ft	A small entrance leads down a sloping passage 7m to a room 5m high. A tight passage leads to another small room.	
Cave 073	1,560 ± 10 ft	The 1m entrance slopes downward for 4m where three 12m drops are encountered and a final 13m drop.	The cave is vertical and very steep.
Cave 079	1,560 ± 40 ft	A 1.3m by 0.7m entrance lead down a tube for 2m to a dirt filled fissure 6m long, 7m wide, and 2m high.	None
Cave 085	1,060 ± 10 ft*	Coyote Creek flows through a bridge, the entrances are 8m by 7m and 8m by 3m. The passage is 70m in length.	Coyote Creek is deep and it is necessary to swim to enter this cave. The effects of visitation are present, Garbage, worn paths, and broken formations.
Skunk Gulch Study Area			
Cave 002	524 ± 1m (1,720 ± 2ft)	Tight entrance (50cm x 75cm), L shaped room (4m x 1.5m).	Cave 002 has a 16m drop requiring technical assistance.
Cave 004	479 ± 6m (1570 ± 20ft)	11.8m x 0.8m entrance drops to two separate passageways; lower passage is narrow 7m drop. Upper passage is narrow 20m drop.	Bad air was encountered 20m below the entrance.
Cave 006	473 ± 3m (1,560 ± 10ft)	Entrance (0.8m x 1.7m) leads to a tight squeeze followed by vertical 10m tube passage leads to a 1m wide 12m long fissure.	The entrance is a vertical passage 10m in depth.
Cave 011	1,570 ± 20 ft	Entrance 2m by 1m drops vertically to a ledge at the top of a dirt slope. A passage along the dirt slope is 3m to 5m in diameter and continues for 4m before pinching out.	None

Table F-1: Summary of Characteristics of Caves Identified within the Management Area (continued)

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
Cave 018	1,640 ± 40 ft	Entered through a vertical fissure 1.5m wide and 2m long and drops 9m to the top of a talus cone where a large room is encountered.	The 9m drop from the entrance could be dangerous for casual unequipped visitors.
Cave 023	1,700 ± 25 ft	The 0.7m by 0.5m entrance opens into a 7m drop. The drop leads to a room 5m long and 7m wide.	Names and dates have been inscribed in the wall ranging from 1902-1970.
Cave 027	1,800 ± 10 ft	The entrance is 1m high and .45m wide and leads to two short drops (6m deep) which connect to two small rooms. A series of 10m long drops lead to a large room at the bottom of the cave.	Dangerous for inexperienced climbers. A few broken stalactites and inscription on walls.
Cave 034	1,690 ± 25ft	The 0.8m by 0.3m entrance leads down a small vertical fissure for 7m to a room 3m long and 2.5m wide.	None
Cave 035	1,700 ± 10 ft	The small entrance drops vertically for 4m into a small room 2m wide and 4m long.	None
Cave 037	1,680 ± 10 ft	The 1m by 2m entrance drops 7m to a dirt slope. A room is located at the bottom of the slope.	The cave has a vertical drop of 7m.
Cave 041	1,740 ± 20 ft	The cave is series of vertically orientated fissures located in a 2m by 3m depression on a hillside. About 30m below the entrance the cave terminates in a 4m by 1.5m room.	None
Cave 045	1,700 ± 25 ft	The 1.5m by .5 m entrance leads down a 10m passage down to a crack jammed with rubble. The rubble was removed to gain access and a passage 35m lead down to a 1m floor.	None
Cave 064	1,760 ± 10 ft	A large entrance pit 3m long, 2m wide, and 7.5m deep leads to a large room 9m in height and 6m wide.	Thee cave entrance has a 7.5 m drop. 35% of the stalactites have been broken off.
Cave 081	1,525 ± 3	A 2m wide entrance and 0.5 m high leading to a small crack that is too small for human access.	None
Grapevine Gulch Study Area			
Cave 009	1,980 ± 20 ft	The entrance is a sinkhole 3m by 3m, which leads through a crawlway to a large room, another passage leads into a low room 3m by 10 m.	Many formations in the entrance room are broken.

Table F-1: Summary of Characteristics of Caves Identified within the Management Area (continued)

Cave Identification Number	Elevation	Description	Safety Issues/Existing Damage
Cave 022	1,960 ± 20 ft	This cave is series of short drops entered though a 0.9m by 0.3m fissure and ending in a small room 20m below ground surface in a small room.	Hazards are vertical drops and rock fall.
Cave 028	1,875 ± 20 ft	The entrance is located at the bottom of a large sinkhole and is 4m wide and leads to a chamber 20m long. Two crawlways from this room each terminate.	None
Cave 040	1,910 ± 30 ft	The cave is a series of vertically orientated fissures dropping 3m to rubble and earth floor.	None
Cave 043	1,920 ± 10 ft	This cave is entered through a large dioline made of breakdown blocks. This entrance leads to a breakdown room with two passages. The passage straight from the entrance is 12m in length and ends in three small rooms. From the right in the breakdown room a passage leads 5m long leads to a large room 30m x 20m x 5m.	Many of the formations have been broken including stalactites and columns.
Cave 060	1,200 ± 6 ft	The 3 by 1m entrance leads to a single passage 4 m long.	None
Cave 065	1,790 ± 40 ft	The cave has an entrance at either end. The north entrance leads to a room with a sloping dirt floor which connects with another room 7m long, then narrows. A small crawlway leads to another room leading to the south entrance.	Broken formations.
Cave 066	1,930 ± 15 ft	A 1m entrance leads to an 8m drop leading to a chamber 7m wide and 5m long.	Small entrance leads to an opening and 8m drop needing technical assistance.

* indicates caves that would be inundated at 1088 ft msl

Source: BLM 1978

APPENDIX G
HAZARD MARKING PROGRAM

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Note to reader:

Please be advised that the following documents are examples of policies, which are representative of the type of management that Reclamation would implement under this RMP/EIS. These policies are subject to modification, due to changing conditions, regulations, and direction from Reclamation.

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CC-160
SAF-1.00

CCAO Safety Letter No. 03-12
Expiration Date: 01-13-05

MEMORANDUM

To: Resource Managers

From: Thomas J. Aiken
Area Manager

Subject: Waterway Marking Plans

Purpose: To establish a policy for marking waterway hazards at Lake Berryessa and New Melones Lake.

Effective Date: June 1, 2003

Policy: Waterway markers as described in Title 14 of the California Code of Regulations, Section 7002(b) shall be used on Lake Berryessa and New Melones Lake. This uniform system employs regulatory markers (buoys and signs) with distinctive standard shapes to convey an official message to a boat operator.

- A. A diamond shape of international orange with white center indicates danger. The nature of the danger may be indicated by words or well-known abbreviations in black letters inside the diamond shape, or above and/or below it on white background.
- B. A diamond shape of international orange with a cross of the same color within it against a white center without qualifying explanation indicates a zone from which all vessels are excluded.
- C. A circle of international orange with a white center will indicate a control or restriction. The nature of the control or restriction shall be indicated by words, numerals, and/or well-known abbreviations in black letters inside the circle. Additional explanation may be given above and/or below it in black letters on white background.
- D. A rectangular shape of international orange with white center will indicate information, other than a danger, control or restriction, which may contribute to

health, safety, or well being. The message will be presented within the rectangle in black letters.

The uniform waterway markers are illustrated in the attached depiction published by the State of California, Department of Boating and Waterways.

Waterway Marking Plan: A written waterway-marking plan will be developed for Lake Berryessa and New Melones Lake. The plan will identify restriction zones, danger areas and, identify the types and locations of markers. The location of markers will be expressed in latitude and longitude, or in distance and direction from objects of known location.

The Resource Manager at each reservoir will ensure the plans are developed and updated as necessary.

Annual Survey of Hazards: Resource Managers will ensure an annual survey is performed to determine potential waterway hazards that need to be included in the plan. The survey will identify hazards that appear as lake water levels fall and rise. The survey should be accomplished and hazardous locations recorded utilizing the Geographic Information System and Global Positioning System.

All locations that meet the conditions described in item D below will be recorded.

Waterway Marker Placement: When markers are placed, they should be consistent with the written plan and identify the following areas.

- A. Established No Wake Zones
- B. Established No Boat Zones/No Motorized Boat Zones
- C. Established Speed Zones
- D. Established Danger Areas – Danger Areas may be established and marked if one or more of the following conditions exist:
 - (1) The waterway obstruction is located in the main body of the lake where boaters typically travel at cruising speed.
 - (2) The waterway obstacle is greater than 200' from the shoreline.
 - (3) The waterway obstacle is a sub-surface landmass that is expected to be within 5' of the surface during the recreation season.
 - (4) There is a history of boats striking the obstacle.

Maintenance of Waterway Markers: Waterway markers placed in accordance with written plans will be maintained in proper condition. If a marker is damaged or becomes ineffective, the

marker will be removed. The marker will be replaced provided funding and human resources are available to replace the marker.

If a marker cannot be replaced, documentation must be filed (with the plan) describing the reason(s) for the change. In addition, the plan will be updated.

Concession-Managed Areas: Concessionaires will be bound to identify hazards per concession agreements. Additional hazards that remain will be marked as above by Reclamation.

Department of Boating and Waterways Review: The waterway-marking plan will be sent to the Department for review and comment.

Local Law Enforcement: Written waterway marking plans will be shared with local law enforcement agencies that patrol Lake Berryessa or New Melones Lake.

Notification of Hazards: Established boat launching ramps will be signed to inform the visiting public of the potential hazards of fluctuating water levels and illustrate the types of waterway markers used on the lake.

Questions or comments on this policy should be directed to David Bishop at 916-989-7261.

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**APPENDIX H
PHOTOGRAPHIC LOG**

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Photograph 1. Oak woodland within the Texas Charlie Planning Area and Bear Mountain in the background.



Photograph 2. Steep slopes along the North Fork of the Stanislaus River near Rose Creek.



Photograph 3. Limestone formation in the North Fork of the Stanislaus River (primary location of caves).



Photograph 4. View of Table Mountain from the lake.



Photograph 5. Annual grassland and oak woodland in the Peoria Wildlife Management Area.



Photograph 6. Oak woodland and chaparral.



Photograph 7. Southeast slope of Table Mountain.



Photograph 8. View to the southeast on top of Table Mountain.



Photograph 9. View from Highway 49 Vista Point of the Highway 49 bridge and New Melones Lake.



Photograph 10. Upper Stanislaus River and riparian vegetation-Clark Flat Planning Area.



Photograph 11. Northwest view of Glory Hole Marina from the lake.



Photograph 12. View of New Melones Lake and powerline right-of-way from Table Mountain.



Photograph 13. View of the New Melones Dam.



Photograph 14. View of Carson Hill Mine from the New Melones Visitor Center.



Photograph 15. View of the western side of Table Mountain.



Photograph 16. Day Use Area.



Photograph 17. Water scars along shoreline of New Melones Lake.



Photograph 18. Glory Hole Marina.



Photograph 19. New Melones Dam Spillway.



Photograph 20. Mined hillsides along the North Fork of the Stanislaus River.



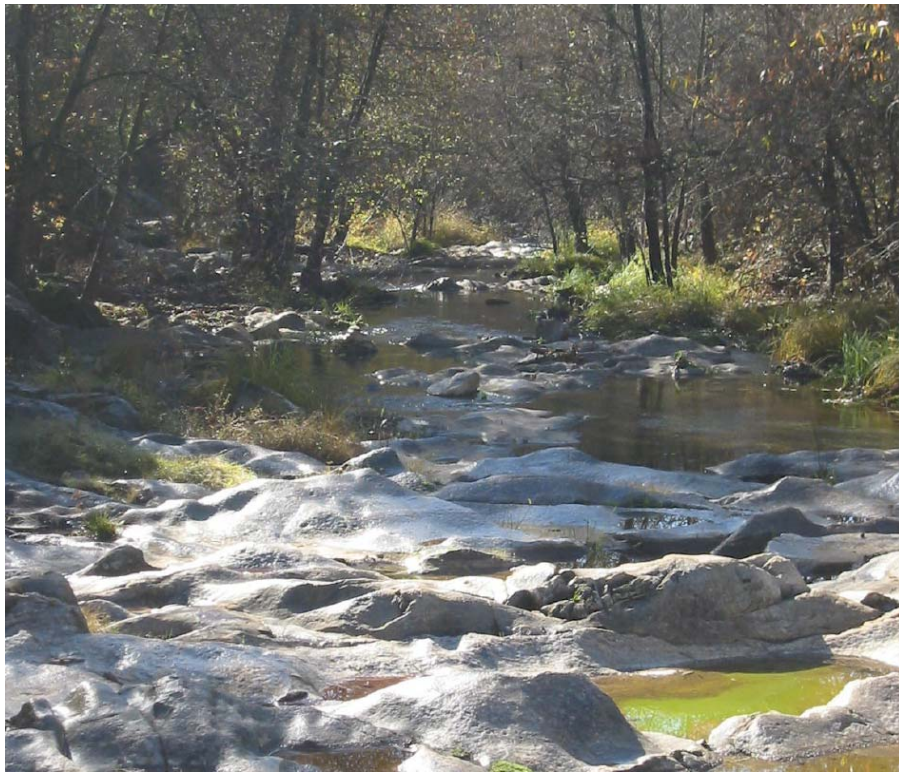
Photograph 21. Bass Fishermen



Photograph 22. Tent Camping



Photograph 23. Crowded conditions at Natural Bridges.



Photograph 24. Limestone outcrop at Coyote Creek.



Photograph 25. Evidence of trespassing and vandalism damage at Shell Road.



Photograph 26. Illegal dumping.



Photograph 27. Annual Grasslands and Oak Woodland, Bowie Flat.

**APPENDIX I
RECREATION FACILITIES 2007**

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Note to reader:

Please be advised that the following document contains information about New Melones Lake Area recreation facilities as of 2007. Since that time, conditions have changed, such as Reclamation's addition of facilities that comply with the Americans with Disabilities Act. Although not up-to-date, this appendix provides a general idea of recreation facilities available in the New Melones Lake Area.

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Table H-1: New Melones Lake Area Recreation Facilities 2007

Facilities:	Glory Hole Recreation Area												Tuttletown Recreation Area										HQ	Undeveloped Areas									
	New Melones Marina	Iron Horse Campground	Big Oak Campground	Tower Climb Trail	Carson Creek Trail	Buck Brush Day Use	Black Bart Day Use	Osprey Point Day Use	Angels Creek Swim Area	Angels Creek Boat Ramp	Angels Fish Cleaning Station	Glory Hole Point Boat Ramp	Acom Campground	Manzanita Campground	Chamise Campground	Fiddleneck group camp	Oak Knoll group camp	Lupine Day Use Area	Heron Point Day Use	Eagle Point Group Picnic Area	Tuttletown Boat Ramp	New Melones Administration	Mark Twain	Old Town of Melones	Chaparral Basin	Peoria	Bear Creek	French Flat	Natural Bridges	Parrotts Ferry	Camp Nine		
Access and Parking																																	
Paved Parking Spots (#)	97	10	24	0	0	20	44	39	0	196	118	126	12	2	6	0	10	44	40	96	141	31	0	10	0	0	0	0	0	30	0	0	
Unpaved Parking Spots (#)	20	0	0	13	14	0	0	0	48	0	0	460 *	0	4	0	12	0	0	0	0	350 *	0	60 *	8	10	36	4	0	0	20	90		
Access Roads Paved (P), Unpaved (U)	P/U	P	P	U	U	P	P	P	U	P	P	P	P	P/U	P/U	P	P	P	P	P	P	P	P	P/U	U	P/U	U	U	P	P/U	P		
Launch ramp boat lanes (#)	0	0	0	0	0	0	0	0	0	6	0	7	0	0	0	0	0	0	0	0	7	0	2	2	0	0	0	0	0	2	0		
Courtesy Docks (#)	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0		
Day Use Facilities																																	
Picnic sites with grills (#)	0	0	0	0	0	0	19	20	9	11	0	0	0	0	0	6	0	14	18	10	0	1	0	0	0	0	0	0	0	0	0		
Picnic sites without grills (#)	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	2	0	0	0	0	0	0	4	0	0		
ADA Picnic Area (Yes or No)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No		
Over Night Facilities																																	
Standard Sites (#)	0	67	55	0	0	0	0	0	0	0	0	0	68	42	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Walk-in Sites (#)	0	20	0	0	0	0	0	0	0	0	0	0	0	12	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Group Sites (#)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	10	0	0	0	0	0	0	0	0	32	0	0	0	0	0		
ADA Campsites (#)	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Camp Host Sites (#)	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Support Facilities																																	
Restrooms with flush toilets (#)	1	4	3	0	0	1	1	1	0	nearby	1	0	1	2	2	nearby	0	1	1	nearby	1	1	0	0	0	0	0	0	0	0	0		
Restrooms with showers (#)	0	3	2	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Portable Toilets (#)	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0		
CXT Vault Restrooms (#)	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1		
Potable Water (Yes or No)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	nearby	Yes	Yes	No	No	No	No	No	No	No	No	No		
Dump Station (Yes or No)	No	No	No	nearby	No	No	No	No	No	No	No	No	No	No	No	nearby	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Fish Cleaning Station (Yes or No)	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	nearby	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Pay Phone (Yes or No)	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No	No	nearby	No	Yes	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No		
Floating Lake Restrooms (#)	4 floating restrooms on the lake																																
Miscellaneous																																	
Play Ground (Yes or No)	No	Yes	No	No	No	No	No	No	No	No	No	No	No	nearby	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Boat Rentals (Yes or No)	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Boat Mooring Facilities (Yes or No)	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Store (Yes or No)	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Amphitheater (Yes or No)	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Equestrian Staging area (Yes or No)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No		
* Indicates that these parking spaces are only used during lower lake levels																																	