

Bear-Proofing Implementation Plan

Sacramento Municipal Utility District

Hydro License Implementation • June 2016

Upper American River Project

FERC Project No. 2101

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Appendix A Existing Conditions Summary Report

1.0 INTRODUCTION

The Sacramento Municipal Utility District (SMUD) owns and operates the Upper American River Project (UARP) (FERC No. 2101), which is situated on National Forest System (NFS) lands, administered by the United States Forest Service (USFS). Pursuant to section 4(e) of the Federal Power Act, the USFS provided the Federal Energy Regulatory Commission (FERC) with terms and conditions for inclusion in the UARP hydroelectric license. FERC issued a new License for Project No. 2101 on July 23, 2014, for a term of 50 years.

Condition 45 requires SMUD to develop and implement a Bear-Proofing Implementation Plan (Plan). This Plan is designed in accordance with the FERC Order Issuing New License (License) dated July 23, 2014, Appendix B – USFS Section 4(e).

Condition 45, in part, states:

With regard to the bear-proof food storage and trash receptacle facilities described in this section, within 2 years of License issuance, the Licensee shall develop a plan to install bear-proof food storage lockers and bear-proof trash receptacles at all recreation facilities identified as lacking such equipment. The plan shall include a schedule for installing the bear-proof equipment within 5 years of plan approval by the USFS and CDFG. The Licensee shall implement the plan according to the schedule.

The bear-proofing implementation measures specified in Condition 45 are provided in Section 1.1. In some locations, bear-proof food storage lockers have already been installed by the USFS or their contracted concessionaire, American Land & Leisure (AL&L).

1.1 Bear-Proofing Implementation Measures

1.1.1 Loon Lake Area

- 1.1.1.1 Pleasant Boat-In Campground
 - Install bear-proof food storage lockers.
- 1.1.1.2 Northshore RV Campground
 - Install bear-proof food storage lockers in both existing and new loops.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.1.3 Loon Lake Family Campground (including Equestrian Loop)
 - Reset bear-proof food storage lockers if necessary¹.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.1.4 Loon Lake Group Campgrounds
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.1.5 Loon Lake Equestrian Group Campground
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.1.6 Loon Lake Boat Launch (and Day Use Area)
 - Install bear-proof food storage lockers to serve overnight recreational vehicle campers.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.1.7 Red Fir Group Campground
 - Purchase or retrofit refuse containers for accessibility and bear resistance.
 - Install bear-proof food storage lockers.

- 1.1.1.8 Loon Lake Chalet
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.1.9 Loon Lake Trailhead
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.2 Gerle Creek Reservoir Area
 - 1.1.2.1 Gerle Creek Campground
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

 - 1.1.2.2 Gerle Creek Day Use Area
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

¹ Lockers have been previously installed.

- 1.1.2.3 Angel Creek Day Use Area
- Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.2.4 Airport Flat Campground
- Purchase or retrofit refuse containers for accessibility and bear resistance at both the campground and the hardened dispersed area.

1.1.3 Union Valley Reservoir Area

- 1.1.3.1 Big Silver Group Campground
- Install bear-proof food storage lockers.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.3.2 Camino Cove Campground
- Purchase or retrofit refuse containers for accessibility and bear resistance.
 - Install bear-proof food storage lockers at all camp units.

- 1.1.3.3 Fashoda Campground
- Install bear-proof food storage lockers at each camp site.²
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.3.4 Jones Fork Campground
- Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.3.5 Sunset Campground
- Purchase or retrofit refuse containers for accessibility and bear resistance.
 - Install bear-proof food storage lockers at all camp units.³

- 1.1.3.6 Sunset Boat Launch
- Purchase or retrofit refuse containers for accessibility and bear resistance.

² Lockers have been previously installed.

³ Lockers have been previously installed at some locations.

- 1.1.3.7 Wench Creek Family Campground
 - Purchase or retrofit refuse containers for accessibility and bear resistance.
 - Install bear-proof food storage lockers at each camp site.

- 1.1.3.8 Wench Creek Group Campgrounds
 - Install bear-proof food storage lockers at each camp site.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.3.9 West Point Campground
 - Install bear-proof food storage lockers at each camp site.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.3.10 West Point Boat Launch
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.3.11 Wolf Creek Family Campground
 - Purchase or retrofit refuse containers for accessibility and bear resistance.
 - Install bear-proof food storage lockers.⁴

- 1.1.3.12 Yellowjacket Boat Launch
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.4 Ice House Reservoir Area
 - 1.1.4.1 Ice House Campground
 - Install bear-proof food storage lockers.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

 - 1.1.4.2 Ice House Day Use Area
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

⁴ Lockers have been previously installed.

- 1.1.4.3 Northwind Campground
 - Install bear-proof food storage lockers.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.4.4 Strawberry Point Campground
 - Install bear-proof food storage lockers.
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

- 1.1.4.5 Ice House Boat Launch
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

1.1.5 Other Crystal Basin Facilities

- 1.1.5.1 Big Hill Vista
 - Purchase or retrofit refuse containers for accessibility and bear resistance.

1.2 **Scope of Plan**

This Plan includes a list of equipment to be installed, installation locations, and a schedule for each recreation facility. A schedule for each individual facility is presented that coordinates with future specific recreation measure implementation activities. Three makes and models of bear-proof food storage lockers are described and recommendations are given for bear-proof trash receptacles. Cost estimates in this Plan assume the installation of bear-proof food storage lockers including concrete pads and prevailing wage labor, with an approximate accuracy of $\pm 20\%$.

The Existing Conditions Summary Report (provided as Appendix A) documents the presence/absence of bear-proof equipment at recreation facilities as part of the UARP area. The Report provides a campsite-by-campsite accounting indicating the condition of bear-proof food storage lockers and bear-proof trash receptacles, and whether or not existing trash receptacles are installed on pads with paved approaches including condition.

2.0 **BEAR-PROOF TRASH RECEPTACLES AND ACCESS**

As described in the Existing Conditions Summary Report, out of the 38 recreation facilities identified, 6 of those do not have bear-proof trash receptacles. Table 1 presents a description of recreation facilities in need of new installations of bear-proof trash receptacles.

2.1 Repair, Replacement and Purchase of Trash Receptacles

Several specific recreation measures require the “purchase or retrofit” of trash receptacles. Currently, the USFS contracts with AL&L to provide concessionaire services for several campgrounds within the Crystal Basin. AL&L in turn contracts with South Tahoe Refuse (STR) for trash hauling and disposal. Additionally, for those campgrounds not within the AL&L contract, USFS contracts directly with STR for trash hauling and disposal. As part of both contracts, STR provides and maintains all trash receptacles within the facilities described below. The addition, repair, and/or replacement of bear-proof trash receptacles would be a contractual arrangement and would need to be negotiated between AL&L and STR, as well as USFS and STR. Therefore, only recommendations are given for the addition/repair/ replacement of trash receptacles.

2.2 Concrete Pad Installation

The bear-proofing implementation plan language details the requirement for bear-proof storage lockers and bear-proof trash receptacles at facilities lacking such equipment. The installation of concrete pads is not included and is not required in order for the trash receptacles to be considered “bear-proof”. Replacement and/or improvements will be addressed during specific recreation measure implementation activities (i.e. campground improvements).

2.3 Recreation Facilities without Bear-Proof Trash Receptacles

Table 1 presents the recreation facilities that currently have no bear-proof trash receptacles.

Table 1. Facilities without Bear-Proof Trash Receptacles

Facility	Notes
Pleasant Boat-In Campground	Site is inaccessible to a trash hauler
Azalea Cove Campground	
Azalea Cove Campground Parking	
Lone Rock Campground	
Sunset Campground RV Dump Station	There is currently a 31-gallon galvanized trash receptacle
Big Hill Vista	Trash receptacle not in place at Vista Point
Total Implementation Sites	6

2.4 Recommended Repairs/Replacements of Trash Receptacles

Table 2 below identifies the bear-proof trash receptacles at specified facilities that are recommended for repair or replacement.

During existing conditions survey activities (Appendix A), it was noted that replacement of the cable and pin mechanism that secures the roll bar for bear-proofing of the trash receptacle is needed for some existing trash receptacles. According to AL&L (Bear-Proofing Implementation Plan Meeting, November 23, 2015), it has been observed that most trash receptacle clip and cable damage is due to STR operators not unhooking the clips before trash removal. Additionally, there are minor cosmetic flaws, faded paint and rust that are identified in Table 2. It is recommended that STR repair these trash receptacles.

In discussions with AL&L and USFS (Bear-Proofing Implementation Plan Meeting, November 23, 2015), campground hosts and/or USFS personnel are responsible for identifying equipment that needs repair or replacement. Table 2 provides a list of the equipment noted during the 2015 surveys (Appendix A) that are in need of repairs and/or replacement. In addition, it is also recommended that all future trash receptacles not include wheels, due to the poor performance of wheel models as they often break and become unusable.

Table 2. Receptacles in need of Repair/Replacement

Facility	Repair Description	Cosmetic Condition*	Location
Loon Lake Area			
Loon Lake Boat Launch		Fair - needs paint job, dented	Near entrance
Loon Lake Boat Launch		Fair - needs paint job	Near boat ramp
Loon Lake Chalet	Missing clip and cable	Fair - needs paint job	Next to Loon Lake Chalet
Loon Lake Equestrian Campground		Fair - needs paint job	Next to bathroom and campsite 10
Loon Lake Equestrian Group Campground (Site 3)	Bar bent	Good	End of campground loop
Loon Lake Family Campground		Fair - needs paint job	Adjacent to bathroom and campsite 50
Loon Lake Family Campground		Fair - needs paint job	Adjacent to bathroom and campsite 17
Loon Lake Family Campground	Missing clip and cable	Fair - needs paint job	Near campsite 26
Loon Lake Group Campgrounds (Site 1)		Fair - needs paint job	Next to bathroom
Loon Lake Group Campgrounds (Site 1)	Clip doesn't fit in roll bar	Fair - needs paint job	Next to bathroom
Loon Lake Group Campgrounds (Site 2)		Fair - needs paint job	Next to bathroom
Loon Lake Trailhead		Fair - needs paint job	Next to trail entrance

Table 2. Receptacles in need of Repair/Replacement

Facility	Repair Description	Cosmetic Condition*	Location
Northshore RV Campground	Missing clip and cable	Good	Next to bathroom and campsite 13
Gerle Creek Reservoir Area			
Angel Creek Day Use Area		Fair - needs paint job	Parking area
Gerle Creek Campground		Fair – rust	Next to bathroom and campsite 33
Union Valley Reservoir Area			
Big Silver Group Campground	Missing clip and cable	Good	Sitting in Bike Trail parking area
Camino Cove Campground	Missing clip and cable	Fair - needs paint job	Near restroom
Camino Cove Campground	Missing clip and cable	Fair – dented	Near restroom and campsite 27
Camino Cove Campground	Missing clip and cable	Good	Near campsite 21
Fashoda Campground	Clip Broken	Good	Below campsite 25
Fashoda Day Use Area	Missing clip and cable	Good	Near campsite 16
Fashoda Day Use Area	Missing clip and cable	Good	Near campsite 16
Jones Fork Campground	Missing clip and cable	Good	Near campsite 2
Sunset Boat Launch	Clip not working	Good	Boat launch parking
Sunset Boat Launch	Clip Broken	Good	Adjacent bathroom
Sunset Campground		Fair - needs paint job	Near campsite 86
Sunset Campground	Bar bent and cannot lock	Fair	Between campsite 102 – 103
Sunset Campground	Missing clip and cable	Good	Next to bathroom and campsite 18
Sunset Campground	Missing clip and cable	Good	Across from campsite 107
Sunset Campground	Missing clip and cable	Good	Next to bathroom and campsite 30
Sunset Campground	Missing clip and cable	Good	Next to bathroom and campsite 30
Sunset Campground	Missing clip and cable	Fair - needs paint job	Near campsite 128
Wench Creek Family Campground		Good - minor dents	Next to bathroom and campsite 36
Wench Creek Family Campground		Fair - minor rust, dents	Next to bathroom and campsite 57
Wench Creek Family Campground		Good - dents, minor rust	Near campsite 10

Table 2. Receptacles in need of Repair/Replacement

Facility	Repair Description	Cosmetic Condition*	Location
Wench Creek Family Campground		Good - dents, paint peeling	Near campsite 95
Wench Creek Family Campground		Good - minor rust	Trail head
Wench Creek Family Campground	Missing clip and cable	Good	Next to bathroom and across from campsite 68
Wench Creek Family Campground	Missing clip and cable	Good	Next to bathroom and across from campsite 83
Wench Creek Family Campground	Missing clip and cable	Good	Next to bathroom and campsite 19
Wench Creek Family Campground	Missing clip and cable	Fair - paint peeling, rust, dents	Next to bathroom and campsite 36
Wench Creek Family Campground	Missing clip and cable	Fair - minor rust, dents	Next to bathroom and campsite 50
Wench Creek Family Campground	Missing clip and cable	Good- dents	Next to bathroom and campsite 95
Wench Creek Family Campground	Missing clip and cable Replace trash receptacle	Poor - Needs paint job, dented	Near extra parking
Wench Creek Family Campground	Missing clip and cable	Good - dents, paint peeling	Near campsite 27 and bathroom
Wench Creek Family Campground	Missing clip and cable	Good - minor rust	Trail head
Wench Creek Family Campground		Fair - needs paint job	Next to bathroom
Wench Creek Group Campgrounds Site 1		Fair - needs paint job	Next to bathroom
Wench Creek Group Campgrounds Site 1		Fair-dents, paint peeling	Near picnic tables
Wench Creek Group Campgrounds (Site 2)		Fair - needs paint job	On the southern side of the group site loop
Wench Creek Group Campgrounds (Site 2)		Fair - needs paint job	On the southern side of the group site loop
West Point Campground		Good - rusty	Near restroom
West Point Boat Launch	Missing clip. Broken hinge	Fair - broken wheel	Next to bathroom
Wolf Creek Family Campground		Good - minor rust and dents	Next to bathroom and campsite 15
Wolf Creek Family Campground		Good - minor rust and dents	Next to bathroom and campsite 6
Wolf Creek Family Campground		Fair - needs paint job	Near Restroom an campsite 42
Wolf Creek Family Campground		Fair - needs paint job	Near restroom and campsite 42
Wolf Creek Group Campgrounds (Site 1)		Good - minor rust and dents	Near bathroom group site

Table 2. Receptacles in need of Repair/Replacement

Facility	Repair Description	Cosmetic Condition*	Location
Wolf Creek Group Campgrounds (Site 2)		Fair - needs paint job	On the northern side of the group site loop
Wolf Creek Group Campgrounds (Site 2)		Fair - needs paint job	On the southern side of the group site loop
Wolf Creek Group Campgrounds (Site 3)	Bar bent latch broken	Fair - rust and dents	Near picnic tables
Yellowjacket Campground		Fair - dents	Next to bathroom and campsite 20
Yellowjacket Campground		Fair – dents, paint peeling	Next to bathroom and campsite 27
Ice House Reservoir Area			
Ice House Boat Launch		Fair - rust, paint peeling	Next to bathroom and power station
Ice House Boat Launch	Missing clip and cable	Fair - minor rust	Next to ramp
Ice House Campground	Replace trash receptacle	Poor - needs paint job, broken wheel	Near campsite 23
Ice House Campground		Fair - rust, paint peeling, dents	Next to bathroom and campsite 72
Ice House Campground		Fair	Near entrance by bathroom
Ice House Campground	Replace trash receptacle	Poor - rusted	Near campsite 28
Ice House Campground		Fair- rust, paint peeling, dents	Near campsite 68
Ice House Campground		Fair- minor rust and sap	Near campsite 82
Ice House Campground	Bar bent but functional	Good	Near restroom 6 and campsite 61
Ice House Campground	Missing clip and cable	Good	Next to bathroom and campsite 42
Ice House Campground	Missing clip and cable	Fair - needs paint job	Next to bathroom and campsite 42
Ice House Campground		Fair - needs paint job	Next to bathroom and across from campsite 8
Ice House Campground		Fair - needs paint job	Next to bathroom and across from campsite 37
Northwind Campground	Missing clip and cable	Fair – dented	At CG entrance
Strawberry Point Campground	Missing clip and cable	Fair - rust, paint peeling, dents	Next to bathroom
Total Repairs	78		
Total Replacements	3		
*Description of cosmetic condition: Good – Structurally sound, functional, and in satisfactory cosmetic condition; Fair –In poor cosmetic condition and/or functional, but in need of repair; Poor – Not functional and/or is not bear resistant.			
Note: Repair/replacement to be coordinated by AL&L/USFS and STR.			

2.5 Makes and Models

The following sections describe different options for bear-proof trash receptacles. Because there are existing contracts between STR and AL&L as well STR and USFS, it is recommended that other options for bear-proof trash receptacles be discussed with STR directly.

2.5.1 South Tahoe Refuse Containers

The existing bear-proof trash receptacles are provided by STR who contracts with McLaughlin Waste Equipment, Inc.⁵ for all trash receptacle models. There are currently 2 and 4 yard sizes front load trash receptacles with roll bars and clip and cable units.

2.5.2 Front Load Pitch Top Bear-Proof Trash Receptacles

BearSaver⁶ provides a bear resistant, heavy duty commercial container with easy-to-open counter-weighted loading doors available in 2, 3, and 4 cubic yard sizes. This bear-proof trash receptacle includes gravity latches that allow the trash receptacle lid to open when turned upside down for emptying; clip-down lids are also available as an option. The driver will not have to get out of the truck to unlatch the lid, which would resolve the issue of broken clips and cables.



⁵ <http://www.mwecans.com/products.cfm/product/containers>

⁶ <http://www.bearsaver.com/Bear-Resistant-Dumpsters/c559/p3015/Heavy-Duty-Pitch-Top-Dumpsters/>

The Bearicuda “Crested Butte”⁷ is a front loading bear resistant trash receptacle with a gravity and paddle latching system available in 2, 3, 4, 6, and 8 cubic yard capacities. The unloading lid is unlatched by gravity during the dumping operation. When emptying trash, the lid of the trash receptacle opens automatically when turned upside down. The driver remains inside the vehicle making for an efficient use of time. The bear-resistant gravity latch prevents the access doors from being accidentally left open.



2.5.3 Rear Load Bear-proof Trash Receptacles

Bearicuda provides the “Guardian” collection⁸ of rear load bear-proof trash receptacles available in 1.5, 2, 3 and 4 cubic yard capacities. Trash receptacles come with lock bar on the front of the trash receptacle to keep lid shut down. The front lock bar needs to be removed so container can be emptied. The rear load bear-proof trash receptacles have an optional dump bar allowing the trash service company to easily dump trash without exiting the vehicle. These come with standard dump and refuge door built into lid; a carabineer clip can be added on each door for added security. Paddle latches are available for an additional cost.



⁷ <http://www.bearicuda.com/enclosures/bear-resistant-dumpsters.php>

⁸ http://www.bearicuda.com/enclosures/bear_proof_dumpsters.php

3.0 BEAR-PROOF FOOD STORAGE LOCKERS

Table 3 identifies family campgrounds that are lacking bear-proof food storage lockers.

Table 3. Family Campgrounds Lacking Bear-Proof Food Storage Lockers

Facility	Site Number
Loon Lake Area	
Pleasant Boat-In Campground	1-10
Northshore RV Campground	1-15
Loon Lake Boat Launch RV Camping	1-12
Gerle Creek Reservoir Area	
Airport Flat Campground	16
Azalea Cove Campground	1-10
Union Valley Reservoir Area	
Camino Cove Campground	1-32
Sunset Campground	3, 37-131
Wench Creek Family Campground	1-100, Host
West Point Campground	1-8
Ice House Reservoir Area	
Ice House Campground	1-83, Host
Northwind Campground	1-10
Strawberry Point Campground	1-10
Total Implementation Sites	385

The USFS recommended (Bear-Proofing Implementation Plan Meeting, November 23, 2015) that a food storage locker per every 6 people be available at group sites. Group sites that currently have no bear-proof food storage lockers are included in the list of required installations. Table 4 identifies the number of bear-proof food storage lockers needed per group campsite in order to fulfill USFS recommendations.

Table 4. Group Sites Lacking Bear-Proof Food Storage Lockers

Facility	Site Number	Maximum Occupancy	USFS Recommended Locker Quantity
Loon Lake Area			
Red Fir Group Campgrounds	1-8	25	4
Union Valley Reservoir Area			
Big Silver Group Campground	1-10	50	8
Wench Creek Group Campgrounds	1	50	8
Wench Creek Group Campgrounds	2	50	8
Total Implementation Sites			28

3.1 Recommended Repairs

As described in the Existing Conditions Assessment Report (Appendix A), there are a total of 12 bear-proof food storage lockers at individual campground sites that are recommended for repair. Similar to the bear-proof trash receptacles, Condition 45 does not require repairs to existing lockers and pads. However for completeness, Table 5 describes repairs needed to existing lockers and pads. Overall, the majority of the bear-proof food storage lockers were functional and in good cosmetic condition. Functionality issues were minor, consisting of hard to open doors and broken latches. The primary recommended repair needed for concrete pads concerns the bear-proof food storage lockers that had individual concrete footings for each leg that were damaged or are unstable to some extent.

Table 5. Bear-Proof Food Storage Lockers Recommended for Repairs

Facility	Site Number	Functionality	Cosmetic Condition	Pad Condition
Loon Lake Area				
Loon Lake Family Campground	11	Functional	Good	Wooden plank front, rock in back – Repair Needed
Loon Lake Family Campground	15	Functional	Good	Back footings/Leaning forward – Repair Needed
Loon Lake Family Campground	26	Functional	Good	Concrete footings unstable – Repair Needed
Loon Lake Family Campground	30	Functional	Top slightly dented – Repair Needed	Good
Loon Lake Group Campgrounds (Site 2)	1	Functional	Good	Concrete footings - 1 cracked – Repair Needed
Gerle Creek Reservoir Area				
Airport Flat Campground	7	Door hard to open – Repair Needed	Good	Good
Union Valley Reservoir Area				
Wolf Creek Family Campground	3	Functional	Minor dirt and rust	Concrete footings- 1 damaged – Repair Needed
Wolf Creek Family Campground	4	Door hard to open – Repair Needed	Good	Good
Wolf Creek Family Campground	16	Original latch broken – Repair Needed	Good	Good
Wolf Creek	18	Functional	Good	Concrete footings - 1 loose

Facility	Site Number	Functionality	Cosmetic Condition	Pad Condition
Family Campground				– Repair Needed
Wolf Creek Family Campground	34	Functional	Spray painted – Repair Needed	Good
Wolf Creek Group Campgrounds	1	Original latch broken – Repair Needed	Good	Concrete footings - 1 damaged – Repair Needed
Total Repair Sites	12			

3.2 Makes and Models

Options for bear-proof food storage lockers are described below. Bear-proof food storage lockers and the associated concrete pad are considered a single unit and come as a package for new installations. For group campsites, larger bear-proof food storage lockers are preferred.

In 2010, AL&L reports that it installed BearSaver brand single door (model #FS24) and double door (model #FS30) bear-proof food storage lockers. In 2014, AL&L reports that it installed additional double door (model #FS30) bear-proof food storage lockers.

3.2.1 Single Door Lockers

BearSaver⁹ offers a mid-size bear-proof food storage locker (model #FS24) with a 24 cubic foot capacity with a length of 29 inches, width of 44 inches, and height of 47 inches. These come with a pitched roof for snow load protection.



⁹ <http://www.bearsaver.com/Bear-Resistant-Food-Storage-Lockers/c539/p1031/BearSaver-Mid-Size-Food-Storage-Locker-FS24-RCE/>

3.2.2 Double Door Lockers

BearSaver¹⁰ provides bear-proof food storage lockers (model #FS30) with 24 cubic foot and 30 cubic foot capacities both with flat roofs for extra space and with a length of 29 inches, a width of 48 inches and a height of 40 inches and a length of 37 inches, a width of 48 inches and a height of 41 inches, respectively.



BearSaver¹¹ provides a 26 cubic foot capacity food storage locker (model #FS26G) with gabled roof for snow load protection, with a length of 31 inches, a width of 51 inches, and a height of 48 inches.



¹⁰ <http://www.bearsaver.com/Bear-Resistant-Food-Storage-Lockers/c539/p1034/BearSaver-Large-Food-Storage-Locker-FS30/>

¹¹ <http://www.bearsaver.com/Bear-Resistant-Food-Storage-Lockers/c539/p1033/BearSaver-Large-Food-Storage-Locker-FS26G/>

Bearicuda¹² provides bear-proof food storage lockers with 24 cubic foot and 30 cubic foot capacities both with flat roofs for extra space and with a length of 48 inches, a width

of 31 inches and a height of 40 inches and a length of 48 inches, a width of 39 inches and a height of 43 inches, respectively.



Jamestown Advanced Products¹³ provides bear-proof food storage lockers with 24 cubic foot and 30 cubic foot capacities both with flat roofs for extra space and with a length of 48 inches, a width of 31 inches and a height of 40 inches and a length of 48 inches, a width of 39 inches and a height of 43 inches, respectively.

Pilot Rock RJ Thomas MFG. Co., Inc.¹⁴ provides bear-proof food storage lockers with 25 cubic foot and 30 cubic foot capacities both with flat roofs for extra space and with a length of 30 inches, a width of 47 inches and a height of 40 inches and a length of 37 inches, a width of 47 inches and a height of 40 inches, respectively.

3.2.3 Multi-Family Locker

Bearsaver¹⁵ provides a 30 cubic foot capacity (model #FS30-DFL) double food storage locker (15 cubic feet per side) with a length of 37 inches, a width of 48 inches and a

¹² <http://www.bearicuda.com/food-containers/metal-food-storage-lockers.php>

¹³ <https://www.jamestownadvanced.com/t/category/campsites/bear-proof-lockers>

¹⁴ <http://www.pilotrock.com/asp/Shop/Series.aspx?seriesid=672>

¹⁵ <http://www.bearsaver.com/Bear-Resistant-Food-Storage-Lockers/c539/p1035/BearSaver-Large-Double-Food-Storage-Locker-FS30-DFL/>

height of 41 inches. This model has a latch on each door and a full-length partition inside, suitable for multi-family food storage lockers.



4.0 INSTALLATION SCHEDULE

Installation schedules for bear-proof food storage lockers are as follows:

- For those campgrounds scheduled for facility renovations within 5 years (2019) and 8 years (2022,) bear-proof storage locker installation will coincide with facility reconstruction.
- For campgrounds with planned renovations after 8 years (2022), bear-proof storage locker installation will occur from 2018-2021.

Specific installation years are presented in Table 6. Implementation schedules could either be delayed or accelerated to balance year-to-year construction activity workload peaks and to leverage planned construction activities. The USFS Pacific Ranger District and AL&L will be consulted to help ensure that conflicts are minimized with other previously planned construction and/or maintenance activities.

Table 6. Installation Schedule for Required Facilities

Planned Recreation Facility Upgrades	Bear-Proof Implementation	Compliance Year (Construction Complete)	Proposed Bear-proof Facilities Installed
Upgrade Wench Creek Family and Group Campgrounds	Install new Lockers at sites 1-100, Host site and group sites 1 & 2.	2032	2017
Upgrade Airport Flat Campground	New Locker at site 16 Locker Repair at site 7	2024	2018
Upgrade Camino Cove Campground	Install new Lockers at sites 1-32	2029	2018
Wolf Creek Campground Locker and Pad Repairs	Locker Repairs – sites 1, 4, 16 Pad Repairs – Sites 1, 3, 18	NA	2018
Upgrade Sunset Campground	Install new Lockers at sites 3, 37-131	2019	2019
Upgrade and Expand Northshore RV Campground	Install new Lockers at sites 1-15	2019	2019
Upgrade Azalea Cove Campground	Install new Lockers at sites 1-10	2019	2019
Upgrade Red Fir Group Campground	Install new Lockers at sites 1-10	2034	2019

Planned Recreation Facility Upgrades	Bear-Proof Implementation	Compliance Year (Construction Complete)	Proposed Bear-proof Facilities Installed
Upgrade Northwind Campground	Install new Lockers at sites 1-10	2029	2020
Upgrade Strawberry Point Campground	Install new Lockers at sites 1-10	2029	2020
Upgrade Pleasant Campground	Install new Lockers at sites 1-10	2024	2021
Upgrade Big Silver Group Campground	Install new Lockers at sites 1-10	2034	2021
Upgrade West Point Campground	Install new Lockers at sites 1-8	2022	2022
Upgrade Ice House Campground, Boat Launch, and Day Use Area	Install new Lockers at sites 1-83 & Host site	2022	2022
Upgrade Loon Lake Boat Launch	Install new Lockers at sites 1-12	2022	2022
Loon Lake Family Campground Locker and Pad Repairs	Locker Repairs – site 30 Pad Repairs – Sites 11, 15, 26	NA	2022
Loon Lake (site 2) Group Campground Pad Repairs	Pad Repairs – Site 1	NA	2022

5.0 COST ESTIMATES

Table 7 presents cost estimates for the installation and/or repair of bear-proof food storage lockers and associated pads.

The unit price for the bear-proof food storage lockers is an average of all the makes and models listed in Section 3.2 and includes a 10% contractor's markup, plus 8% tax, plus an estimated \$50 each for freight.

Table 7. Estimated Unit Costs and Installation for Bear-Proof Food Storage Lockers

Item Description	Estimated Quantity	Units	Unit Price	Estimated Amount
Installation of New Bear-Proof Food Storage Lockers				
Furnish & Deliver New Food Locker	1	EA	\$ 1,150	\$1,200
Furnish & Deliver New Concrete Pad for Food Locker	1	EA	\$ 600	\$600
Base Rock to set Pad on, 0.75Cy for each pad	1	EA	\$ 150	\$200
Labor to Install New Concrete Pad and Food Locker, Prevailing Wage	1	EA	\$ 1,000	\$1,000
			<i>Materials Subtotal</i>	\$2,000
			<i>Labor Subtotal</i>	\$1,000
			<i>Bear Proof Food Lockers Subtotal (each)</i>	\$3,000
			<i>Installation of All Bear Proof Food Lockers Total (413)</i>	\$1,239,000
Repairs to Existing Concrete Pad				
Materials to Repair Existing Concrete Pad	1	EA	\$ 100	\$100
Labor to Repair Existing Concrete Pad, Prevailing Wage	1	EA	\$ 800	\$800
			<i>Materials Subtotal</i>	\$100
			<i>Labor Subtotal</i>	\$800
			<i>Concrete Pad Repairs Subtotal (each)</i>	\$900
			<i>Concrete Pad Repairs Total (7)</i>	\$6,300
Repairs to Existing Bear-Proof Food Storage Locker				
Materials to Repair Existing Food Locker	1	EA	\$ 100	\$100
Labor to Repair Existing Food Locker, Prevailing Wage	1	EA	\$ 800	\$800
			<i>Materials Subtotal</i>	\$100
			<i>Labor Subtotal</i>	\$800
			<i>Bear Proof Food Lockers Repairs Subtotal (each)</i>	\$900
			<i>Bear Proof Food Lockers Repairs Total (5)</i>	\$4,500



APPENDICES



Appendix A

Existing Conditions Summary Report

Bear-Proofing Implementation Plan

Sacramento Municipal Utility District

Hydro License Implementation • March 2016
Existing Conditions Summary Report

Upper American River Project
FERC Project No. 2101



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1.0 BACKGROUND

The Sacramento Municipal Utility District (SMUD) owns and operates the Upper American River Project (UARP) (FERC No. 2101) which is situated on National Forest System (NFS) lands, administered by the United States Forest Service (USFS). Pursuant to section 4(e) of the Federal Power Act, the Forest Service provided the Federal Energy Regulatory Commission (FERC) with terms and conditions for inclusion in the UARP hydroelectric license. FERC issued a new License for Project No. 2101 on July 23, 2014, for a term of 50 years. This Existing Conditions Summary Report (Report) is designed in accordance with the FERC Order Issuing New License (License) dated July 23, 2014, Appendix B – USFS Section 4(e) Condition No. 45 (Condition 45). Condition 45 requires SMUD to develop and implement a Bear-Proofing Implementation Plan (Plan); this Report supports the development of the Plan.

Condition 45 states:

With regard to the bear-proof food storage and trash receptacle facilities described in this section, within 2 years of License issuance, the Licensee shall develop a plan to install bear-proof food storage lockers and bear-proof trash receptacles at all recreation facilities identified as lacking such equipment. The plan shall include a schedule for installing the bear-proof equipment within 5 years of plan approval by the FS and CDFG. The Licensee shall implement the plan according to the schedule.

Specific facility installation requirements are spread throughout Condition 45. These requirements are consolidated in Table 1-1.

Table 1-1. Installation Requirements by Facility per Condition 45

Facility	Food Lockers Required by License?	Trash Receptacles Required by License?
Loon Lake Area		
Loon Lake Boat Launch RV Camping	Y	Y
Loon Lake Chalet	N	Y
Loon Lake Equestrian Campground	Y	Y
Loon Lake Equestrian Group Campground	Y	Y
Loon Lake Family Campground	Y	Y
Loon Lake Group Campgrounds	Y	Y
Loon Lake Trailhead	N	Y
Northshore RV Campground	Y	Y
Pleasant Boat-In Campground	Y	N
Red Fir Group Campground	Y	Y
Gerle Creek Reservoir Area		
Airport Flat Campground	N	Y
Angel Creek Day Use	N	Y
Gerle Creek Campground	Y	Y
Gerle Creek Day Use	N	Y
Union Valley Reservoir Area		
Azalea Cove Campground	N	N
Azalea Cove Campground Parking	N	N
Big Silver Group Campground	Y	Y
Camino Cove Campground	Y	Y
Fashoda Campground	Y	Y
Fashoda Day Use Area	N	N
Jones Fork Campground	N	Y
Lone Rock Campground	N	N
Sunset Campground	Y	Y
Sunset Boat Launch	N	Y
Wench Creek Family Campground	Y	Y
Wench Creek Group Campgrounds	Y	Y
West Point Campground	Y	Y
West Point Boat Launch	N	Y
Wolf Creek Family Campground	Y	Y
Wolf Creek Group Campgrounds	Y	Y
Yellowjacket Campground	Y	Y
Yellowjacket Boat Launch	N	Y

Facility	Food Lockers Required by License?	Trash Receptacles Required by License?
Ice House Reservoir Area		
Ice House Boat Launch	N	Y
Ice House Campground	Y	Y
Ice House Day Use	N	Y
Northwind Campground	Y	Y
Strawberry Point Campground	Y	Y
Other Crystal Basin Facilities		
Big Hill Vista	N	Y

1.1 Geographic Scope

This Report addresses recreation facilities as part of the UARP area for which SMUD is responsible for Operations and Maintenance costs. The UARP is located on the Rubicon River, Silver Creek, and South Fork American River. The Project uses water from both the South Fork American and Rubicon River watersheds, which drain the western slope of the Sierra Nevada Mountains. The UARP encompasses 47 project-related recreation areas that include campgrounds, day use facilities, boat launches, trailheads, and a scenic overlook. The developments pertaining to this Report include Loon Lake, Robbs Peak, Jones Fork, and Union Valley. The recreation facilities surveyed for this Report are shown on Figure 1.

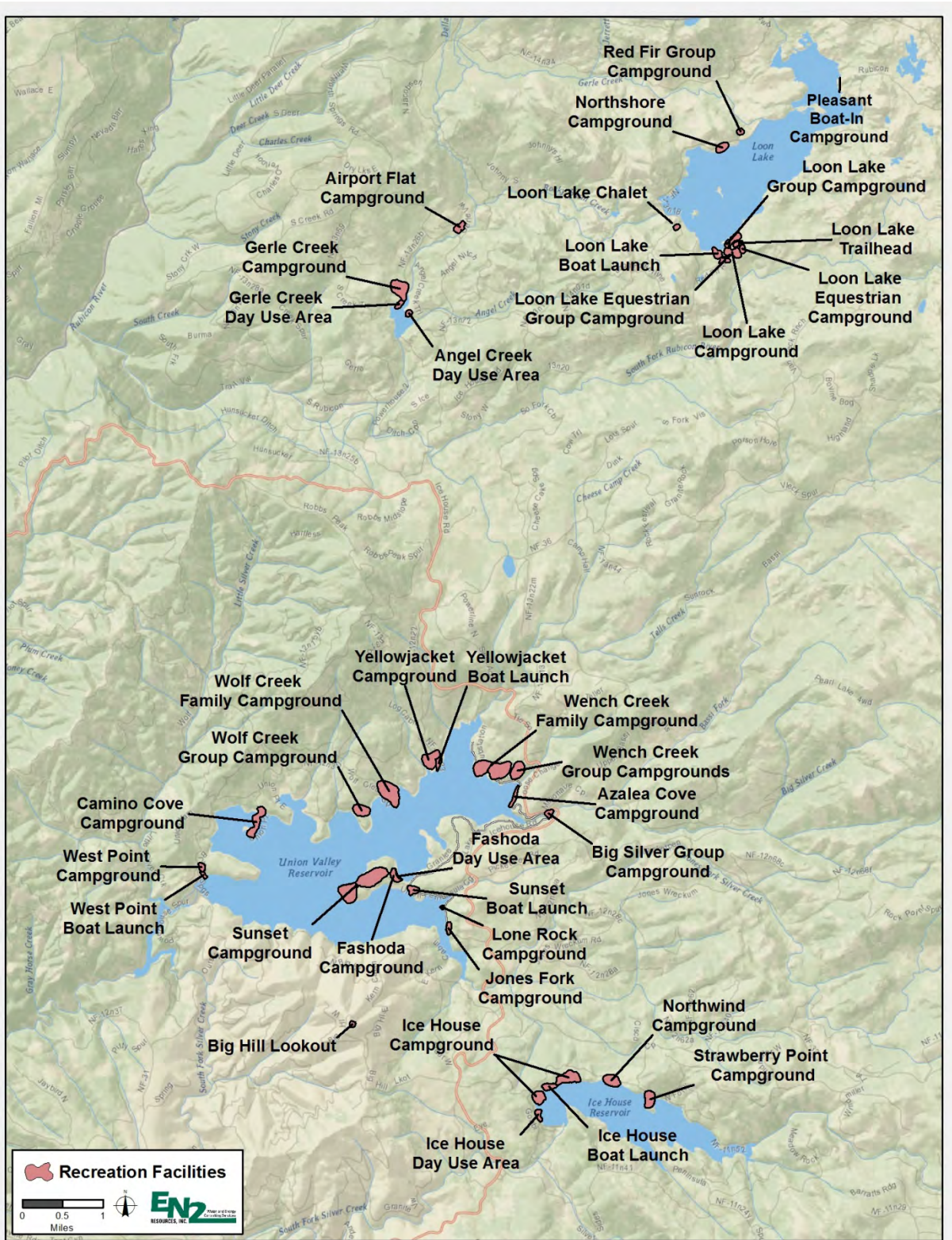


Figure 1. Overview of Surveyed Recreation Facilities

Sacramento Municipal Utility District
 Upper American River Project
 FERC Project No. 2101

2.0 PROJECT DESCRIPTION

EN2 Resources, Inc. (EN2) conducted a detailed inventory of trash receptacles and food lockers at existing recreation facilities, from which the plan for future installations of bear-proof trash receptacles and bear-proof food storage lockers will be based. This Report provides a campsite-by-campsite accounting of food lockers and an accounting of all trash receptacles and associated pads within the Crystal Basin recreation facilities including day use areas and campgrounds.

The objectives of the Bear Proofing Implementation Plan task are to perform an existing conditions assessment and associated report, prepare an implementation plan to install bear-proof food storage lockers, and identify/address trash receptacles at specified Crystal Basin recreation facilities in order to satisfy License Condition 45 (Appendix B USFS 4(e) conditions) of SMUD's Project 2101 FERC license. The Bear Proofing Implementation Plan will include a list of equipment to be installed, installation locations, and schedule. The schedule for installation of bear-proof equipment will coincide with facility reconstruction, whenever possible. In order to support the implementation of the Plan, a list of three recommended bear-proof food storage lockers and three recommended trash receptacle makes and models will be provided along with a robust cost estimate per unit food locker and trash receptacle. The cost estimates will assume prevailing wage labor and will have an accuracy of approximately $\pm 20\%$.

To support the development of the Plan, this inventory provides a campsite-by-campsite accounting indicating the presence of bear-proof food storage lockers and condition including door functionality and bear box anchoring integrity. Additionally, the inventory provides an accounting indicating the presence of bear-proof trash receptacles, location, condition, and whether or not existing trash receptacles are installed on pads with paved approaches, including the pavement material and trash receptacle pad integrity. If existing receptacles are not bear-proof, then the inventory notes whether or not a bear-resistant retrofit is practicable. This Existing Conditions Summary Report captures the results of this accounting.

3.0 METHODOLOGY

Due to the large number of campground sites (over 800), the uncertainties on locations of trash receptacles (approximately 135), and the unknown condition of the trash receptacle containers, pads, and access approaches, pre-field planning, data collection design, and field execution were a crucial component of the overall data collection methodology. Field data collection was performed by a 2-person field team that divided each area to be surveyed. A total of seven, 2-person field days were required to complete the survey. This included one, 2-person field day with a civil engineer to evaluate the condition of certain lockers, trash receptacle pads and associated access for garbage disposal trucks. Field data collection was performed in 2015 on September 17, 18, 21, 22, 30, October 1 and 6. This was subsequent to the seasonal fall closure of most Crystal Basin Recreation Facilities.

3.1 Trash Receptacles and Pads

Each campground, day use facility, and boat launch was walked by the 2-person field team in order to collect the required information. At the location of an existing trash receptacle, a photograph was taken and field data pertaining to location, condition, bear resistancy and/or practicality of retrofit, and pad was recorded with a Global Positioning System (GPS) unit using a predefined data dictionary. The presence or absence of pads was documented, including the pavement material, trash receptacle pad integrity, and functionality of paved approaches. Certain trash receptacle sites required field inspection by a civil engineer to assess the integrity or design of the receptacle, and pad and/or access approach.

3.2 Bear-Proof Food Storage Lockers

Each campground and individual camp site was walked by the 2-person field team in order to document the presence or absence of bear-proof food storage lockers and their condition. Existing bear-proof food storage lockers were examined for their cosmetic condition, door functionality, as well as the integrity and type of anchoring units, if present. This information along with location data also was recorded with a GPS unit using a predefined data dictionary. If a bear-proof locker was present in a campsite, a photograph was taken. All photos were georeferenced and linked to the trash receptacle and bear-proof locker databases.

4.0 FINDINGS

The following sections present a detailed account of the existence and/or absence of trash receptacles and bear-proof food storage lockers for the target Crystal Basin recreation facilities.

4.1 Account by Recreation Facility

A brief written description of the quantity and condition of bear-proof trash receptacles (Table A1) and bear-proof food storage lockers (Table A2) is provided for each recreation site.

The distinction in the description of cosmetic condition for bear-proof trash receptacles and food storage lockers is as follows:

- Good – Structurally sound, functional, and in satisfactory cosmetic condition
- Fair – In poor cosmetic condition and/or functionality, but in need of repair
- Poor – Not functional and/or is not bear-proof

The distinction in the description of cosmetic condition for bear-proof trash receptacle pads and bear-proof food storage locker footings is as follows:

- Good – Structurally sound and in satisfactory cosmetic condition
- Fair – Cracked/broken pads/footings, or in poor cosmetic condition
- Poor – In need of complete replacement

Details for each facility campsite are described in Appendix A.

4.1.1 Trash Receptacles and Pads

4.1.1.1 Loon Lake Area

a. Northshore RV Campground

There is one bear-proof trash receptacle at the Northshore RV Campground that is in good condition but is missing the clip and cable required to latch the roll bar for bear-proofing. The trash receptacle is located on a concrete pad in good condition.

b. Loon Lake Family Campground

There are seven bear-proof trash receptacles at the Loon Lake Family Campground that are in good/fair condition except one is missing the clip and cable required to latch the roll bar for bear-proofing. Three of the trash receptacles are located on concrete pads but were misaligned.

c. Loon Lake Equestrian Campground

There is one bear-proof trash receptacle at the Loon Lake Equestrian Campground that is in fair condition. The trash receptacle is located on a concrete pad but was misaligned.

d. Loon Lake Group Campgrounds

Group Site #1

There are two bear-proof trash receptacles at the Loon Lake Group Site #1 Campground that are in fair condition, neither of which are located on pads. One of the clips does not fit in the roll bar.

Group Site #2

There is one bear-proof trash receptacle at the Loon Lake Group Site #2 Campground that is in fair condition. The trash receptacle is located on a concrete pad but was misaligned.

Group Site #3 Equestrian Campground

There is one bear-proof trash receptacle at the Loon Lake Group Site #3 Equestrian Campground that is in good condition except the roll bar is bent and should be repaired or replaced. The trash receptacle is not located on a concrete pad.

e. Loon Lake Boat Launch

There are three bear-proof trash receptacles at the Loon Lake Boat Launch that are in good/fair condition. Two are located on concrete pads in good condition.

f. Loon Lake Chalet

There is one bear-proof trash receptacle at the Loon Lake Chalet that is in fair condition except is missing the clip and cable required to latch the roll bar for bear-proofing. The trash receptacle is located on a concrete pad in fair condition.

g. Loon Lake Trailhead

There is one bear-proof trash receptacle at the Loon Lake Trailhead that is in fair condition. The trash receptacle is located on a concrete pad but was misaligned.

h. Red Fir Group Campground

There are two bear-proof trash receptacles at the Red Fir Group Campground that are in good condition. One is located on a concrete pad in good condition.

4.1.1.2 Gerle Creek Reservoir Area

a. Airport Flat Campground

There are three bear-proof trash receptacles at the Airport Flat Campground, all in good condition. One of the trash receptacles is on a concrete pad that is in good condition.

b. Angel Creek Day Use Area

There is one bear-proof trash receptacle at the Angel Creek Day Use Area in fair condition. The trash receptacle was misaligned on a concrete pad.

c. Gerle Creek Campground

There are eight bear-proof trash receptacles at the Gerle Creek Campground that are in good/fair condition. All are located on concrete pads in good condition except one was misaligned.

d. Gerle Creek Day Use Area

There is one bear-proof trash receptacle at the Gerle Creek Day Use Area that is in good condition and is located on a concrete pad in good condition.

4.1.1.3 Union Valley Reservoir Area

a. Azalea Cove Campground

There were no trash receptacles present at Azalea Cove Campground at the time of the survey. An anchor and bracket existed near the restroom that appears to support a trash receptacle. The trash receptacles may have been removed by the USFS after the campground was closed for the winter.

b. Big Silver Group Campground

There is one bear-proof trash receptacle at the Big Silver Group Campground that is in good condition. The receptacle is located in the parking area for the bike trail and is missing the clip and cable required to latch the roll bar for bear-proofing. The trash receptacle was not located on a pad but there were two concrete pads without trash receptacles at the campground. One was located on the campground loop. The other pad was located across the bike trail. The trash receptacles may have been removed for the winter therefore no data except for location was recorded.

c. Camino Cove Campground

There are three bear-proof trash receptacles at the Camino Cove Campground that are in good/fair condition. All are missing the clip and cable required to latch the roll bar for bear-proofing. All trash receptacles are located on concrete pads which are in good condition.

d. Fashoda Campground

There are six bear-proof trash receptacles at the Fashoda Campground that are in good condition except

one is missing the clip required to latch the roll bar for bear-proofing. Two are located on concrete pads in good condition but both were filled with forest debris.

e. Fashoda Day Use Area

There are two bear-proof trash receptacles at the Fashoda Day Use Area that are in good condition, neither of which are located on a pad. Both trash receptacles are missing the clip and cable required to latch the roll bar for bear-proofing.

f. Jones Fork Campground

There is one bear-proof trash receptacle at the Jones Fork Campground that is in good condition but is missing the clip and cable required to latch the roll bar for bear-proofing. The trash receptacle is located on a concrete pad in good condition although the pad is misaligned for servicing by garbage disposal trucks.

g. Lone Rock Campground

There were no trash receptacles present at Lone Rock Campground at the time of the survey. An anchor and bracket exists near the restroom that appears to support a trash receptacle. The trash receptacles may have been removed by the USFS after the campground was closed for the winter.

h. Sunset Campground

There are twenty-two bear-proof trash receptacles at the Sunset Campground that are in good/fair condition. Five are missing the clip and cable required to latch the roll bar for bear-proofing and one has a bent bar that is non-functional. None of the trash receptacles are located on pads.

i. Sunset Boat Launch

There are two bear-proof trash receptacles at the Sunset Boat Launch that are in good condition except both of the clips required to latch the roll bar for bear-proofing were

non-functional. The trash receptacles are located on concrete pads in fair condition.

j. Wench Creek Family Campground

There are eighteen bear-proof trash receptacles at the Wench Creek Family Campground in a variety of conditions from good to poor. Nine are missing the clip and cable required to latch the roll bar for bear-proofing. None of the trash receptacles are located on pads.

k. Wench Creek Group Campgrounds

Group Site #1

There are two bear-proof trash receptacles at the Wench Creek Group Site #1 Campground that are in fair condition, neither of which are located on pads.

Group Site #2

There are two bear-proof trash receptacles at the Wench Creek Group Site #2 Campground that are in fair condition, neither of which are located on pads.

l. West Point Campground

There is one bear-proof trash receptacle at the West Point Campground that is in good condition and is located on a concrete pad in good condition.

m. West Point Boat Launch

There is one bear-proof trash receptacle at the West Point Boat Launch that is in fair condition but is missing the clip required to latch the roll bar for bear-proofing and the hinge is broken. The trash receptacle is not located on a pad.

n. Wolf Creek Family Campground

There are eight bear-proof trash receptacles at the Wolf Creek Campground that are in good/fair condition. All but one are located on concrete pads in good/fair condition.

o. Wolf Creek Group Campgrounds

Group Area #1

There is one bear-proof trash receptacle at the Wolf Creek Group Area #1 Campground that is in good condition and is located on a concrete pad in good condition.

Group Area #2

There are two bear-proof trash receptacles at the Wolf Creek Group Area #2 Campground that are in fair condition and are located on concrete pads in good condition.

Group Area #3

There is one bear-proof trash receptacle at the Wolf Creek Group Area #3 Campground that is in fair condition, the roll bar is bent and the latch is broken. The trash receptacle is located on a concrete pad in good condition.

p. Yellowjacket Campground

There are five bear-proof trash receptacles at the Yellowjacket Campground that are in good/fair condition. None of the trash receptacles are located on pads.

q. Yellowjacket Boat Launch

There is one bear-proof trash receptacle at the Yellowjacket Boat Launch that is in good condition and is not located on a pad.

4.1.1.4 Ice House Reservoir Area

a. Ice House Campground

There are twelve bear-proof trash receptacles at the Ice House Campground in a variety of conditions from good to poor. Two trash receptacles are missing the clip and

cable required to latch the roll bar for bear-proofing, one has a bent bar but is still functional. Eight are located on concrete pads in good/fair condition.

b. Ice House Day Use Area

There is one bear-proof trash receptacle at the Ice House Day Use Area that is in good condition and is located on a concrete pad in good condition.

c. Northwind Campground

There is one bear-proof trash receptacle at the Northwind Campground that is in fair condition but is missing the clip and cable required to latch the roll bar for bear-proofing. The trash receptacle is located on a concrete pad but was misaligned.

d. Strawberry Point Campground

There is one bear-proof trash receptacle at the Strawberry Point Campground that is in fair condition but is missing the clip and cable required to latch the roll bar for bear-proofing. The trash receptacle is located on a concrete pad but was misaligned.

e. Ice House Boat Launch

There are three bear-proof trash receptacles at the Ice House Boat Launch that are in good/fair condition. One trash receptacle is missing the clip and cable required to latch the roll bar for bear-proofing. Two are located on concrete pads in good condition.

4.1.1.5 Other Crystal Basin Facilities

a. Big Hill Vista

No trash receptacle of any kind exists at Big Hill Vista.

4.1.2 Engineer's Visual Assessment

There were 57 trash receptacles that needed further assessment from an engineer in order to determine the integrity and/or design of the trash receptacle, pad and/or access approach. The majority of these trash receptacles were in good shape but had issues with the pad position and alignment. A full account of the visual assessment is included in Table A3 in Appendix A.

4.1.2.1 Representative Photographs



Photo 1. Bear-proof trash receptacle in good cosmetic condition.



Photo 2. Bear-proof trash receptacle in fair cosmetic condition, minor rust with dents.



Photo 3. Bear-proof trash receptacle in poor cosmetic condition, has a broken wheel, minor rust and needs new paint.



Photo 4. Bear-proof trash receptacle correctly aligned on concrete pad.



Photo 5. Bear-proof trash receptacle misaligned on concrete pad.



Photo 6. Bear-proof trash receptacle misaligned on concrete pad in poor condition.



Photo 7. Bear-proof trash receptacle with missing clip and cable, bent bar and no pad.

4.1.3 Bear Proof Lockers

4.1.3.1 Loon Lake Area

a. Loon Lake Family Campground

Individual camp sites at Loon Lake Family Campground numbered 1-53 all have functional bear-proof food storage lockers in various conditions. Most of the bear-proof food storage lockers are attached to concrete blocks except fourteen of the lockers were either missing concrete blocks all together, have only one or two out of four concrete blocks, or were unstable to some degree.

b. Loon Lake Equestrian Campground

Individual camp sites at Loon Lake Equestrian Campground numbered 1-9 all have functional bear-proof food storage lockers in good condition. Most of the bear-proof food storage lockers are attached to concrete blocks except two of the lockers were connected to a chain anchored to the ground and two of the nine lockers were missing concrete blocks all together.

c. Loon Lake Group Campgrounds

Group Site #1

Group site #1 has a group kitchen area but it does not include a bear-proof food storage locker, the lockers present are site specific. Half of the camp sites at Loon Lake Group Site #1 campground numbered 1-10 have functional bear-proof food storage lockers in good condition attached to concrete blocks.

Group Site #2

Camp sites at Loon Lake Group Site #2 campground numbered 1-6 all have functional bear-proof food storage lockers in good condition. All but one locker is attached to concrete blocks, one concrete block is cracked.

Group Site #3 Equestrian Campground

Camp sites at Loon Lake Group Site #3 Equestrian Campground numbered 1-5 have three functional bear-proof food storage lockers in good condition. Campsites 1 and 4 do not have bear-proof food storage lockers or food lockers of any type.

d. Loon Lake Boat Launch

Individual camp sites at the Loon Lake Boat Launch numbered 1-12 do not have bear-proof food storage lockers or food lockers of any type.

e. Northshore RV Campground

Individual camp sites at the Northshore RV Campground numbered 1-15 do not have bear-proof food storage lockers or food lockers of any type.

f. Red Fir Group Campground

The Red Fir Group Campground did not have any bear-proof food storage lockers or food lockers of any type. Recorded sites within the campground are those campsites with picnic tables and parking spaces, and included the group kitchen area.

4.1.3.2 Gerle Creek Reservoir Area

a. Azalea Cove Campground

Individual camp sites at Azalea Cove Campground numbered 1-10 do not have bear-proof food storage lockers or food lockers of any type.

b. Airport Flat Campground

Individual camp sites at Airport Flat Campground numbered 1-15 all have functional bear-proof food storage lockers in good condition attached to concrete

blocks. Camp site number 16 does not have a bear-proof locker or food receptacle of any type.

c. Gerle Creek Campground

Individual camp sites at Gerle Creek Campground numbered 1-50 all have functional bear-proof food storage lockers in good condition attached to concrete pads.

4.1.3.3 Union Valley Reservoir Area

a. Big Silver Group Campground

The Big Silver Group Campground did not have any bear-proof food storage lockers or food lockers of any type. Recorded sites within the campground are those campsites with picnic tables and parking spaces, and included the group kitchen area.

b. Camino Cove Campground

Individual camp sites at Camino Cove Campground numbered 1-32 do not have bear-proof food storage lockers or food lockers of any type.

c. Fashoda Campground

Individual camp sites at Fashoda Campground numbered 1-30 all have functional bear-proof food storage lockers in good condition attached to concrete pads.

d. Jones Fork Campground

Individual camp sites at Jones Fork Campground numbered 1-10 all have functional bear-proof food storage lockers in good condition attached to concrete blocks.

e. Lone Rock Campground

Individual camp sites at Lone Rock Campground numbered 1-5 all have functional bear-proof food storage lockers in good condition attached to concrete blocks.

f. Sunset Campground

Individual camp sites at Sunset Campground numbered 1-36 in the Shady Loop all have functional bear-proof food storage lockers in good condition attached to a concrete pad except for site 3, which does not have a bear-proof locker or food receptacle of any type. Individual camp sites at the Sunset Campground numbered 37-131 in the Meadow and Sunset Loops do not have bear-proof food storage lockers or food lockers of any type.

g. Wench Creek Family Campground

Individual camp sites at the Wench Creek Family Campground numbered 1-100 do not have bear-proof food storage lockers or food lockers of any type.

h. Wench Creek Group Campgrounds

Camp sites at the Wench Creek Group Site #1 and #2 Campgrounds numbered 1-100 do not have bear-proof food storage lockers or food lockers of any type.

i. Wolf Creek Campgrounds

Individual camp sites at Wolf Creek Campground numbered 1-42 all have functional bear-proof food storage lockers except one that has a broken latch. Most lockers were in good condition except for two that have minor rust issues and one that was spray painted. Most of the bear-proof food storage lockers are securely attached to concrete blocks except one that is damaged and another that is loose.

j. Wolf Creek Group Campgrounds

Although the Wolf Creek Group Campgrounds facility map available on the ENF website identifies the individual campsites at group areas 1-3 as being numbered, the campsites are not individually numbered. All three group campgrounds have group kitchen areas but with no bear-proof food storage lockers.

Group Area #1

Wolf Creek Group Area #1 campground has one bear-proof locker with the original latch broken but in good cosmetic condition. This locker has one damaged concrete block but the rest are functional.

Group Area #2

Wolf Creek Group Area #2 campground has three functional bear-proof food storage lockers in good condition attached to concrete blocks.

Group Area #3

Wolf Creek Group Area #3 campground has two functional bear-proof food storage lockers located in the group kitchen area in good condition attached to concrete blocks.

k. Yellowjacket Campground

Individual camp sites at Yellowjacket Campground numbered 1-40 all have functional bear-proof food storage lockers in good condition attached to concrete pads.

4.1.3.4 Ice House Reservoir Area

a. Ice House Campground

Individual camp sites at Ice House Campground numbered 1-83 do not have bear-proof food storage lockers or food lockers of any type.

b. Northwind Campground

Individual camp sites at the North Wind Campground numbered 1-10 do not have bear-proof food storage lockers or food lockers of any type.

c. Strawberry Point Campground

Individual camp sites at the Strawberry Point Campground numbered 1-10 do not have bear-proof food storage lockers or food lockers of any type.

4.1.3.5 Representative Photographs



Photo 6. Bear-proof locker in good condition with concrete footings.



Photo 7. Bear-proof locker in good condition on concrete pad.



Photo 8. Bear-proof locker in good condition but with an unstable (cracked) footing.



Photo 9. Bear-proof locker in good condition but with an unstable (off-center) footing.



Photo 10. Bear-proof locker in good cosmetic condition with original latch broken and unstable footings.

5.0 CONCLUSIONS

There are 135 existing trash receptacles that are bear-proof models. Missing or broken clip and cable units are the predominant bear-proofing issue for 25% of the trash receptacles. American Land and Leisure has observed that most trash bin clip and cable damage is due to the garbage collection operator not unhooking the clips. The vendor owns the trash bins and is responsible for maintenance/replacement of damaged equipment.

Over half (58%) of the trash receptacles are not located on pads. The majority of the existing pads (74%) are in good condition while the rest are either damaged or misaligned. According to American Land & Leisure (AL&L) the USFS concessionaire for several of the campgrounds within the UARP, most existing pre-cast concrete pads for the trash receptacles are greater than 17 years old and were likely installed when the campgrounds were constructed. It appears that the approach angles for the garbage trucks were not properly taken into account when pad installation occurred.

There are a total of 830 individual campsites, which includes the 145 campsites within the 7 group areas; more than half of these sites (56%) do not have bear-proof food storage lockers or food lockers of any type. For the campsites that do have bear-proof food storage lockers, the majority (95%) are in good working condition anchored on stable pads or footings.

Overall, the survey revealed that the majority of the existing bear-proof equipment located at the specified campgrounds and day use areas are in good working condition, while those in poor condition can be repaired or retrofitted to proper bear-proofing resistance. The information gathered in this Existing Conditions Summary Report will be the foundation for the recommendations developed in the Bear Proofing Implementation Plan.

Table 5-1. Summary of Trash Receptacle by Facility

Facility	Trash Receptacle(s) Present			Condition of Pad (if present) *			
	Total	Bear-Proof	Retrofit / Repair	Total	Good	Fair	Mis-aligned
Loon Lake Area							
Loon Lake Boat Launch RV Camping	3	3		2	2		
Loon Lake Chalet	1		1	1		1	
Loon Lake Equestrian Campground	1	1		1			1
Loon Lake Equestrian Group Campground	1		1	0			
Loon Lake Family Campground	7	6	1	3			3
Loon Lake Group Campgrounds	3	2	1	1			1
Loon Lake Trailhead	1	1		1			1
Northshore RV Campground	1		1	1	1		
Pleasant Boat-In Campground	0			0			
Red Fir Group Campground	2	2		1	1		
Gerle Creek Reservoir Area							
Airport Flat Campground	3	3		1	1		
Angel Creek Day Use	1	1		1			1
Gerle Creek Campground	8	8		8	7		1
Gerle Creek Day Use	1	1		1	1		
Union Valley Reservoir Area							
Azalea Cove Campground	0			0			
Azalea Cove Campground Parking	0			0			
Big Silver Group Campground	1		1	2	2 (not utilized)		
Camino Cove Campground	3		3	3	3		
Fashoda Campground	6	5	1	2		2	
Fashoda Day Use Area	2		2	0			
Jones Fork Campground	1		1	1	1		
Lone Rock Campground	0			0			
Sunset Campground	23	16	6	0			
Sunset Boat Launch	2		2	2		2	
Wench Creek Family Campground	19	10	9	0			
Wench Creek Group Campgrounds	4	4		0			
West Point Campground	1			1	1		
West Point Boat Launch	1		1	0			

Facility	Trash Receptacle(s) Present			Condition of Pad (if present) *			
	Total	Bear- Proof	Retrofit / Repair	Total	Good	Fair	Mis- aligned
Wolf Creek Family Campground	8	8		7	6	1	
Wolf Creek Group Campgrounds	4	3	1	4	4		
Yellowjacket Campground	5	5		0			
Yellowjacket Boat Launch	1	1		0			
Ice House Reservoir Area							
Ice House Boat Launch	3	2	1	2	2		
Ice House Campground	12	9	3	8	7	1	
Ice House Day Use	1	1		1	1		
Northwind Campground	1		1	1			1
Strawberry Point Campground	1		1	1			1
Other Crystal Basin Facilities							
Big Hill Vista	0			0			
Totals	130	93	37	55	40	5	10
*Good – Structurally sound and in satisfactory cosmetic condition; Fair – Cracked/broken pads/footings, or in poor cosmetic condition; Poor – In need of complete replacement.							
Facilities identified in Bold are those required for implementation as part of Condition 45.							

Table 5-2 Summary of Bear-Proof Food Storage Lockers by Facility

Facility	Bear-Proof Locker(s) Present			Footing Description*			Cosmetic Condition*		
	Total Sites	Lockers	Functional	none	Good	Repair	Good	Fair	Poor
Loon Lake Area									
Loon Lake Boat Launch RV Camping	13	0							
Loon Lake Chalet	1	0							
Loon Lake Equestrian Campground	9	9	9	2	7		9		
Loon Lake Equestrian Group Campground	5	3	3		3		3		
Loon Lake Family Campground	53	53	53	5	46	2	51	2	
Loon Lake Group Campgrounds	16	11	11		10	1	11		
Loon Lake Trailhead	1	0							
Northshore RV Campground	15	0							
Pleasant Boat-In Campground	10	0							
Red Fir Group Campground	8	0							
Gerle Creek Reservoir Area									
Airport Flat Campground	16	15	15		15		15		
Angel Creek Day Use	1	0							
Gerle Creek Campground	50	50	50		50		50		
Gerle Creek Day Use	1	0							
Union Valley Reservoir Area									
Azalea Cove Campground	10	0							
Azalea Cove Campground Parking	1	0							
Big Silver Group Campground	10	0							
Camino Cove Campground	32	0							
Fashoda Campground	30	30	30		30		30		
Fashoda Day Use Area	1	0							
Jones Fork Campground	10	10	10		10		10		
Lone Rock Campground	5	5	5		5		5		
Sunset Campground	131	35	35		35		35		
Wench Creek Family Campground	100	0							
Wench Creek Group Campgrounds	100	0							
West Point Campground	8	0							
West Point Boat Launch	1	0							
Wolf Creek Family Campground	41	41	40		39	2	39	2	



Facility	Bear-Proof Locker(s) Present			Footing Description*			Cosmetic Condition*		
	Total Sites	Lockers	Functional	none	Good	Repair	Good	Fair	Poor
Wolf Creek Group Campgrounds	6	6	6		5	1	6		
Yellowjacket Campground	39	39	39		39		39		
Yellowjacket Boat Launch	1	0							
Ice House Reservoir Area									
Ice House Boat Launch	1	0							
Ice House Campground	83	0							
Ice House Day Use	1	0							
Northwind Campground	10	0							
Strawberry Point Campground	10	0							
Other Crystal Basin Facilities									
Big Hill Vista	1	0							
Totals	830	307	306	7	294	6	303	4	0
<p>*Footing Description: Good – Structurally sound and in satisfactory cosmetic condition; Fair – Cracked/broken pads/footings, or in poor cosmetic condition; Poor – In need of complete replacement.</p> <p>*Cosmetic Description: Good – Structurally sound, functional, and in satisfactory cosmetic condition; Fair – In poor cosmetic condition and/or functionality, but in need of repair; Poor – Not functional and/or is not bear-proof.</p> <p>Facilities identified in Bold are those required for implementation as part of Condition 45.</p> <p>Note: Future sites will be addressed as design plans are prepared for the facilities.</p>									

APPENDICES



Appendix A Data Tables

A-1 Trash Receptacles by Facility

Table A-1 Trash Receptacles by Facility

Facility	Bear Resistant?	Resistance Description	Retrofit Possible	Retrofit	Pad	Pad Material	Pad Condition	Cosmetic Condition	Northing	Easting	Location
Airport Flat CG	Yes				No	-	-	Good	4318541.281	727010.605	Next to bathroom
Airport Flat CG	Yes				Yes	Concrete	Good	Good	4318460.945	726926.723	Next to bathroom AND CS 4
Airport Flat CG	Yes				No	-	-	Good	4318456.992	726927.625	Next to bathroom AND CS 4
Angel Creek Picnic Area	Yes				Yes	Concrete	Misaligned	Fair - needs paint job	4316746.882	726025.561	Parking area
Big Hill Vista	-	No trash receptacle			No	-	-	Good	4302686.618	724994.561	Vista Point
Big Silver Group CG	Yes	Missing clip and cable			No	Sitting in parking lot	-	Good	4306810.876	728967.122	
Big Silver Group CG	-	No dumpster but pad exists			Yes	Concrete	Good		4306726.76	728908.857	
Big Silver Group CG	-	No dumpster but pad exists			Yes	Concrete	Good		4306788.819	728914.505	On bike trail connector to campground
Camino Cove CG	Yes	Missing clip and cable			Yes	Concrete	Good	Fair - needs paint job	4306735.152	723169.558	Near restroom
Camino Cove CG	Yes	Missing clip and cable			Yes	Concrete	Good	Fair - Dented	4306330.066	722990.923	Near restroom and campsite 27
Camino Cove CG	Yes	Missing clip and cable			Yes	Concrete	Good	Good	4306239.803	722953.097	Near SITE 21
Fashoda CG	Yes				No	-	-	Good	4305403.961	725855.318	
Fashoda CG	Yes				Yes	Concrete	Filled in with forest litter/dirt	Good	4305530.222	725758.334	Above 8, Across from CS 7
Fashoda CG	Yes	Clip Broken			No	-	-	Good	4305405.634	725917.969	Below CS 25
Fashoda CG	Yes				Yes	Concrete	Buried under forest litter/dirt	Good	4305465.642	725835.416	Below CS 20
Fashoda CG	Yes				No	-	-	Good	4305428.95	725759.648	Next to bathrooms in circular parking area
Fashoda CG	Yes				No	-	-	Good	4305426.316	725760.868	Next to bathrooms in circular parking area
Fashoda Picnic Area	Yes	Missing clip and cable			No	-	-	Good	4305561.976	725859.327	Near cs 16
Fashoda Picnic Area	Yes	Missing clip and cable			No	-	-	Good	4305559.058	725860.3	Near cs 16
Gerle Creek CG	Yes				Yes	Concrete	Good	Good	4317265.777	725684.843	
Gerle Creek CG	Yes				Yes	Concrete	Good	Good	4317273.518	725844.486	Across from CS 2
Gerle Creek CG	Yes				Yes	Concrete	Good	Good	4317180.205	725897.018	Across from CS 37
Gerle Creek CG	Yes				Yes	Concrete	Good	Good	4317203.718	725806.075	Across from CS 45
Gerle Creek CG	Yes				Yes	Concrete	Good	Good	4317325.166	725741.63	Next to bathroom
Gerle Creek CG	Yes				Yes	Concrete	Good	Good	4317312.458	725659.039	Next to bathroom AND CS 14
Gerle Creek CG	Yes				Yes	Concrete	Misaligned	Good	4317149.762	725794.579	Next to bathroom AND CS 26
Gerle Creek CG	Yes				Yes	Concrete	Good	Fair - rust	4317066.419	725890.84	Next to bathroom AND CS 33
Gerle Creek Picnic Area	Yes				Yes	Concrete	Good	Good	4316948.55	725826.114	Next to bathroom
Icehouse CG	Yes				Yes	Concrete	Good	Fair - needs paint job	4301043.204	728671.832	
Icehouse CG	Yes				Yes	Concrete	Good	Fair - needs paint job	4301006.522	728792.541	
Icehouse CG	Yes	Missing clip and cable			No	Sitting in parking lot	-	Good	4301454.192	729227.148	
Icehouse CG	Yes	Missing clip and cable			No	Sitting in parking lot	-	Fair - needs paint job	4301468.3	729218.185	Next to bathroom and CS 42
Icehouse CG	Yes				Yes	Concrete	Good	Good	4301457.787	729404.033	Next to bathroom and CS 54
Icehouse CG	Yes				Yes	Concrete	Good	Fair- rust paint peal dents	4301552.637	729443.875	Next to bathroom and site 72
Icehouse CG	Yes				No	-	-	Fair	4301135.379	728700.927	Near entrance by bathroom
Icehouse CG	Yes	Bar bent but functional			Yes	Concrete	Good	Good	4301434.481	729504.375	Near restroom 6 and cs 61
Icehouse CG	Yes				Yes	Concrete	Fair	Poor - Needs paint job/Broken wheel	4301065.084	728797.27	Near site 23
Icehouse CG	Yes				Yes	Concrete	Good	Poor-Rusted	4301131.243	728706.521	Near site 28
Icehouse CG	Yes				No	-	-	Fair- rust paint peal dents	4301522.864	729480.95	Near site 68
Icehouse CG	Yes				Yes	Concrete	Good	Fair- minor rust and sap	4301514.166	729295.657	Near site 82
Icehouse Boat Launch	Yes				Yes	Concrete	Good	Good	4301287.198	728890.319	Boat launch entrance
Icehouse Boat Launch	Yes				Yes	Concrete	Good	Fair-rust paint peal	4301315.038	729087.354	Next to bathroom and power station
Icehouse Boat Launch	Yes	Missing clip and cable			No	-	-	Fair- minor rust	4301264.639	728910.981	Next to ramp
Icehouse Picnic Area	Yes				Yes	Concrete	Good	Good	4300654.4	728748.742	Adjacent to parking lot
Jones Fork CG	Yes	Missing clip and cable			Yes	Concrete	Good	Good	4304436.98	726925.878	Near CS 2
Loon Lake CG	Yes				No	-	-	Good	4318071.944	732367.399	
Loon Lake CG	Yes				Yes	Concrete	Misaligned	Fair - needs paint job	4318021.933	732561.585	
Loon Lake CG	Yes				No	-	-	Fair - needs paint job	4318284.787	732430.717	Adjacent bathroom and CS 17
Loon Lake CG	Yes				No	-	-	Good	4318284.684	732428.707	Next to bathroom
Loon Lake CG	Yes				No	-	-	Good	4318053.62	732365.17	Next to bathroom and CS 2
Loon Lake CG	Yes	Missing clip and cable			Yes	Concrete	Misaligned	Fair - needs paint job	4318339.073	732565.559	Near CS 26
Loon Lake CG	Yes				Yes	Concrete	Misaligned	Good	4317998.915	732513.302	Near CS 41
Loon Lake Boat Launch	Yes				Yes	Concrete	Good	Good	4317963.497	732157.541	Near dump station

Table A-1 Trash Receptacles by Facility

Facility	Bear Resistant?	Resistance Description	Retrofit Possible	Retrofit	Pad	Pad Material	Pad Condition	Cosmetic Condition	Northing	Easting	Location
Loon Lake Boat Launch	Yes				Yes	Concrete	Good	Fair needs paint job dented	4317973.719	732194.239	Near entrance
Loon Lake Boat Launch	Yes				No	Sitting in parking lot	-	Fair - needs paint job	4318022.729	732151.275	Near boat ramp
Loon Lake Chalet	Yes	Missing clip and cable			Yes	Concrete	Fair	Fair - needs paint job	4318517.314	731292.76	Next to LL chalet
Loon Lake Equestrian CG	Yes				Yes	Concrete	Misaligned	Fair - needs paint job	4318091.112	732635.777	Next to bathroom AND CS 10
Loon Lake Group Site 3 (Equestrian)	Yes	Bar bent		Repair or replace	No	-	-	Good	4317878.5	732367.285	End of campground loop
Loon Lake Group Site 1	Yes				No	-	-	Fair - needs paint job	4318206.445	732373.989	Next to bathroom
Loon Lake Group Site 1	Yes	Clip doesn't fit in roll bar			No	-	-	Fair - needs paint job	4318204.675	732371.889	Next to bathroom
Loon Lake Group Site 2	Yes				Yes	Concrete	Misaligned	Fair - needs paint job	4318186.267	732504.102	Next to bathroom
Loon Lake Trailhead	Yes				Yes	Concrete	Misaligned	Fair - needs paint job	4318250.078	732605.635	Next to trail entrance
Northshore CG	Yes	Missing clip and cable			Yes	Concrete	Good	Good	4320152.312	732213.586	Next to bathroom AND CS 13
Northwind CG	Yes	Missing clip and cable			Yes	Concrete	Misaligned	Fair - Dented	4301382.29	730234.175	At CG entrance
Peninsula Boat Launch	Yes	Clip Broken			Yes	Concrete	Good	Good	4305199.677	726116.003	Adjacent bathroom
Peninsula Boat Launch	No	Clip not working	Yes	Install new lid or locking bar	Yes	Concrete	Good	Good	4305231.997	726104.958	Boat launch parking
Red Fir CG	Yes				No	-	-	Good	4320453.453	732570.006	Near CS 3
Red Fir Cg	Yes				Yes	Concrete	Good	Good	4320451.155	732567.876	Near CS 3
Strawberry Point Cg	Yes	Missing clip and cable			Yes	Concrete	Fair-misaligned	Fair- rust paint peal dents	4301146.834	730961.783	Next to bathroom
Sunset CG	Yes				No	-	-	Good	4305592.077	725484.835	
Sunset CG	Yes				No	-	-	Good	4304981.066	724869.275	
Sunset CG	Yes	Missing clip and cable			No	-	-	Good	4305555.44	725376.612	
Sunset CG	Yes	Missing clip and cable			No	-	-	Good	4305117.275	724845.242	Across from CS 107
Sunset CG	Yes				No	-	-	Good	4305146.948	724742.778	Across from CS 99, adjacent bathroom
Sunset CG	Yes				No	-	-	Good	4305375.88	725305.838	Between 57-58
Sunset CG	Yes				No	-	-	Good	4305295.686	725176.76	Adjacent bathroom and CS 77
Sunset CG	Yes	Bar bent and can not lock	Yes	Realign or replace bar	No	-	-	Fair	4305112.168	724788.426	Between 102 - 103
Sunset CG	Yes				No	-	-	Good	4305416.801	725398.66	Between 42-43, adjacent bathroom
Sunset CG	Yes				No	-	-	Good	4305489.335	725280.512	Between 50-51, adjacent bathroom
Sunset CG	Yes	Missing clip and cable			No	-	-	Good	4305463.223	725517.976	Next to bathroom AND CS 30
Sunset CG	Yes	Missing clip and cable			No	-	-	Good	4305460.472	725515.151	Next to bathroom AND CS 30
Sunset CG	Yes				No	-	-	Good	4305555.421	725629.058	Next to bathroom AND CS 6
Sunset CG	Yes				No	-	-	Good	4305390.82	725222.762	Next to bathroom AND CS 66
Sunset CG	Yes				No	-	-	Good	4305391.281	725219.349	Next to bathroom AND CS 66
Sunset CG	Yes				No	-	-	Good	4305424.968	725141.334	Next to bathroom AND CS 71
Sunset CG	Yes				No	-	-	Good	4305286.581	725163.236	Next to bathroom AND CS 77
Sunset CG	Yes				No	-	-	Good	4305051.776	724960.265	Near cs 112
Sunset CG	Yes	Missing clip and cable			No	-	-	Fair - needs paint job	4305016.483	725000.319	Near cs 128
Sunset CG	Yes				No	-	-	Fair - needs paint job	4305259.115	724890.451	Near cs 86
Sunset CG	Yes				No	-	-	Good	4305207.085	724806.663	Near cs 92
Sunset CG	No	31 Gal. Galvanized Trash Can	No		No	-	-	Good	4305279.117	725974.472	RV dump station
Sunset CG	Yes				No	-	-	Good	4305112.231	724873.857	In front of 108
Wench Creek CG	Yes				No	-	-	Good	4307721.418	727446.57	
Wench Creek CG	Yes				No	-	-	Good	4307626.359	727487.885	
Wench Creek CG	Yes				No	-	-	Good	4307546.021	727567.86	
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Good	4307718.346	727443.337	
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Good	4307540.361	727571.113	
Wench Creek CG	Yes				No	-	-	Fair - needs paint job	4307704.999	727965.874	Next to bathroom
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Good	4307619.217	727984.603	Next to bathroom and CS 19
Wench Creek CG	Yes				No	-	-	Good - minor dents	4307583.028	727710.478	Next to bathroom and site 36
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Fair-paint peal rust dents	4307584.168	727714.043	Next to bathroom and site 36
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Fair - minor rust dents	4307582.113	727813.251	Next to bathroom and site 50
Wench Creek CG	Yes				No	-	-	Fair - minor rust dents	4307682.551	727852.122	Next to bathroom and site 57
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Good- dents	4307715.495	727662.954	Next to bathroom and site 95
Wench Creek CG	Yes				No	-	-	Good	4307636.28	727490.444	Next to bathroom and CS 75
Wench Creek CG	Yes				No	-	-	Good -dents minor rust	4307619.317	727907.737	Near site 10

Table A-1 Trash Receptacles by Facility

Facility	Bear Resistant?	Resistance Description	Retrofit Possible	Retrofit	Pad	Pad Material	Pad Condition	Cosmetic Condition	Northing	Easting	Location
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Poor - Needs paint job/Dented	4307727.465	727571.08	Near extra parking
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Good -dents paint peal	4307703.457	728072.717	Near site 27 and bathroom
Wench Creek CG	Yes				No	-	-	Good- dents paint peal	4307719.644	727663.73	Near site 95
Wench Creek CG	Yes				No	-	-	Good - minor rust	4307487.49	727788.615	trail head
Wench Creek CG	Yes	Missing clip and cable			No	-	-	Good - minor rust	4307484.534	727785.804	trail head
Wench Creek Group CG Site 1	Yes				No	-	-	Fair - needs paint job	4307568.74	728295.723	Next to bathroom
Wench Creek Group CG Site 1	Yes				No	-	-	Fair-dents paint peal	4307559.89	728310.256	Near picnic tables
Wench Creek Group CG Site 2	Yes				No	-	-	Fair - needs paint job	4307675.979	728259.895	
Wench Creek Group CG Site 2	Yes				No	-	-	Fair - needs paint job	4307682.1	728252.525	
West Point CG	Yes				Yes	Concrete	Good	Good - Rusty	4305615.456	722002.664	Near restroom
West Point Boat Launch	Yes	Missing clip. Broken hinge			No	-	-	Fair - Broken wheel	4305491.293	721972.513	Next to bathroom
Wolf Creek CG	Yes				Yes	Concrete	Good	Good condition	4307104.141	725781.853	Next to bathroom and CS 23
Wolf Creek CG	Yes				Yes	Concrete	Good	Good condition	4306922.675	725793.667	Next to bathroom and CS 31
Wolf Creek CG	Yes				Yes	Concrete	Good	Good condition	4307213.677	725686.853	Next to bathroom AND CS 38
Wolf Creek CG	Yes				Yes	Concrete	Good	Good - minor rust and dents	4307002.458	725736.865	Next to bathroom and site 15
Wolf Creek CG	Yes				Yes	Concrete	Fair	Good - minor rust and dents	4307087.756	725744.441	Next to bathroom and site 6
Wolf Creek CG	Yes				Yes	Concrete	Good	Fair - needs paint job	4307260.014	725569.071	Near Restroom an CS 42
Wolf Creek CG	Yes				Yes	Concrete	Good	Good condition	4307004.616	725813.869	Near RESTROOM AND CS 26
Wolf Creek CG	Yes				No	-	-	Fair - needs paint job	4307266.361	725572.418	Near RESTROOM AND CS42
Wolf Creek Group CG Site 1	Yes				Yes	Concrete	Good	Good - minor rust and dents	4306722.897	725223.139	Near bathroom group site
Wolf Creek Group CG Site 2	Yes				Yes	Concrete	Good	Fair - needs paint job	4306715.919	725113.688	
Wolf Creek Group CG Site 2	Yes				Yes	Concrete	Good	Fair - needs paint job	4306765.864	725131.56	
Wolf Creek Group CG Site 3	No	Bar bent latch broken	Yes	Install new lid or locking ba	Yes	Concrete	Good	Fair - rust and dents	4306804.176	725005.944	Near picnic tables
Yellowjacket CG	Yes				No	-	-	Good	4307764.925	726414.417	Next to bathroom and CS 10
Yellowjacket CG	Yes				No	-	-	Fair-dents	4307658.711	726541.561	Next to bathroom and site 20
Yellowjacket CG	Yes				No	-	-	Fair-dents paint peal	4307773.365	726577.609	Next to bathroom and site 27
Yellowjacket CG	Yes				No	-	-	Good	4307935.074	726648.215	Next to bathroom and site 37
Yellowjacket CG	Yes				No	-	-	Good	4307836.548	726535.056	Near CS 1
Yellowjacket Boat Launch	Yes				No	-	-	Good	4307800.34	726711.904	Boat launch parking

A-2 Bear Proof Lockers by Campsite

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Airport Flat	1	Yes	Yes	Functional	Concrete footings	Good	4318397.141	726942
Airport Flat	2	Yes	Yes	Functional	Concrete footings	Good	4318377.953	726963
Airport Flat	3	Yes	Yes	Functional	Concrete footings	Good	4318422.361	726959
Airport Flat	4	Yes	Yes	Functional	Concrete footings	Good	4318468.362	726911
Airport Flat	5	Yes	Yes	Functional	Concrete footings	Good	4318495.192	726947
Airport Flat	6	Yes	Yes	Functional	Concrete footings	Good	4318460.587	727004
Airport Flat	7	Yes	Yes	Door hard to open	Concrete footings	Good	4318439.29	727021
Airport Flat	8	Yes	Yes	Functional	Concrete footings	Good	4318426.368	727047
Airport Flat	9	Yes	Yes	Functional	Concrete footings	Good	4318462.67	727070
Airport Flat	10	Yes	Yes	Functional	Concrete footings	Good	4318448.08	727047
Airport Flat	11	Yes	Yes	Functional	Concrete footings	Good	4318531.537	727082
Airport Flat	12	Yes	Yes	Functional	Concrete footings	Good	4318546.566	727062
Airport Flat	13	Yes	Yes	Functional	Concrete footings	Good	4318541.022	727049
Airport Flat	14	Yes	Yes	Functional	Concrete footings	Good	4318553.891	727035
Airport Flat	15	Yes	Yes	Functional	Concrete footings	Good	4318580.312	727045
Airport Flat	16	No					4318440	726878
Azalea Cove	1	No					4306897.369	728112
Azalea Cove	2	No					4306960.917	728169
Azalea Cove	3	No					4307001.79	728173
Azalea Cove	4	No					4307022.927	728175
Azalea Cove	5	No					4307075.213	728217
Azalea Cove	6	No					4307132.642	728223
Azalea Cove	7	No					4307157.585	728219
Azalea Cove	8	No					4307184.199	728228
Azalea Cove	9	No					4307244.752	728247
Azalea Cove	10	No					4307281.375	728272
Big Silver Group	1	No					4306767.403	728916
Big Silver Group	2	No					4306767.775	728888
Big Silver Group	3	No					4306740.361	728928
Big Silver Group	4	No					4306710.488	728921
Big Silver Group	5	No					4306745.377	728882
Big Silver Group	6	No					4306723.25	728882
Big Silver Group	7	No					4306716.548	728883
Big Silver Group	8	No					4306733.194	728898
Big Silver Group	9	No					4306675.55	728929
Big Silver Group	10	No					4306646.065	728889
Camino Cove	1	No					4306688.057	723146
Camino Cove	2	No					4306665.381	723161
Camino Cove	3	No					4306665.404	723172

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Camino Cove	4	No					4306747.051	723130
Camino Cove	5	No					4306705.536	723132
Camino Cove	6	No					4306734.182	723111
Camino Cove	7	No					4306691.79	723105
Camino Cove	8	No					4306466.552	723044
Camino Cove	9	No					4306437.377	723045
Camino Cove	10	No					4306385.015	723058
Camino Cove	11	No					4306364.492	723036
Camino Cove	12	No					4306332.234	723029
Camino Cove	13	No					4306345.064	722948
Camino Cove	14	No					4306337.944	722940
Camino Cove	15	No					4306315.775	722930
Camino Cove	16	No					4306321.824	722908
Camino Cove	17	No					4306301.91	722922
Camino Cove	18	No					4306260.864	722885
Camino Cove	19	No					4306266.275	722918
Camino Cove	20	No					4306240.709	722890
Camino Cove	21	No					4306226.846	722965
Camino Cove	22	No					4306217.001	722983
Camino Cove	23	No					4306254.448	723001
Camino Cove	24	No					4306257.286	722978
Camino Cove	25	No					4306283.598	723005
Camino Cove	26	No					4306302.663	723013
Camino Cove	27	No					4306314.339	723001
Camino Cove	28	No					4306251.874	722933
Camino Cove	29	No					4306274.877	722938
Camino Cove	30	No					4306288.031	722971
Camino Cove	31	No					4306288.802	722938
Camino Cove	32	No					4306300.537	722983
Fashoda	1	Yes	Yes	Functional	Concrete pad	Good	4305375.239	725811
Fashoda	2	Yes	Yes	Functional	Concrete pad	Good	4305416.642	725815
Fashoda	3	Yes	Yes	Functional	Concrete pad	Good	4305415.026	725809
Fashoda	4	Yes	Yes	Functional	Concrete pad	Good	4305444.119	725798
Fashoda	5	Yes	Yes	Functional	Concrete pad	Good	4305472.621	725766
Fashoda	6	Yes	Yes	Functional	Concrete pad	Good	4305497.808	725764
Fashoda	7	Yes	Yes	Functional	Concrete pad	Good	4305500.026	725776
Fashoda	8	Yes	Yes	Functional	Concrete pad	Good	4305545.219	725764
Fashoda	9	Yes	Yes	Functional	Concrete pad	Good	4305523.352	725792
Fashoda	10	Yes	Yes	Functional	Concrete pad	Good	4305543.001	725803

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Fashoda	11	Yes	Yes	Functional	Concrete pad	Good	4305554.258	725797
Fashoda	12	Yes	Yes	Functional	Concrete pad	Good	4305580.585	725805
Fashoda	13	Yes	Yes	Functional	Concrete pad	Good	4305555.856	725828
Fashoda	14	Yes	Yes	Functional	Concrete pad	Good	4305584.111	725827
Fashoda	15	Yes	Yes	Functional	Concrete pad	Good	4305573.583	725849
Fashoda	16	Yes	Yes	Functional	Concrete pad	Good	4305541.775	725851
Fashoda	17	Yes	Yes	Functional	Concrete pad	Good	4305514.731	725807
Fashoda	18	Yes	Yes	Functional	Concrete pad	Good	4305465.054	725805
Fashoda	19	Yes	Yes	Functional	Concrete pad	Good	4305505.828	725829
Fashoda	20	Yes	Yes	Functional	Concrete pad	Good	4305465.112	725820
Fashoda	21	Yes	Yes	Functional	Concrete pad	Good	4305446.139	725856
Fashoda	22	Yes	Yes	Functional	Concrete pad	Good	4305417.288	725820
Fashoda	23	Yes	Yes	Functional	Concrete pad	Good	4305412.276	725871
Fashoda	24	Yes	Yes	Functional	Concrete pad	Good	4305394.923	725849
Fashoda	25	Yes	Yes	Functional	Concrete pad	Good	4305411.067	725889
Fashoda	26	Yes	Yes	Functional	Concrete pad	Good	4305376.269	725884
Fashoda	27	Yes	Yes	Functional	Concrete pad	Good	4305386.418	725850
Fashoda	28	Yes	Yes	Functional	Concrete pad	Good	4305360.886	725868
Fashoda	29	Yes	Yes	Functional	Concrete pad	Good	4305347.572	725852
Fashoda	30	Yes	Yes	Functional	Concrete pad	Good	4305355.427	725835
Gerle Creek	1	Yes	Yes	Functional	Concrete pad	Good	4317311.783	725868
Gerle Creek	2	Yes	Yes	Functional	Concrete pad	Good	4317293.318	725853
Gerle Creek	3	Yes	Yes	Functional	Concrete pad	Good	4317295.623	725814
Gerle Creek	4	Yes	Yes	Functional	Concrete pad	Good	4317321.32	725805
Gerle Creek	5	Yes	Yes	Functional	Concrete pad	Good	4317286.142	725778
Gerle Creek	6	Yes	Yes	Functional	Concrete pad	Good	4317278.845	725766
Gerle Creek	7*	Yes	Yes	Functional	Concrete pad	Good	4317323.942	725791
Gerle Creek	7*	Yes	Yes	Functional	Concrete pad	Good	4317321.74	725789
Gerle Creek	8	Yes	Yes	Functional	Concrete pad	Good	4317354.962	725728
Gerle Creek	9	Yes	Yes	Functional	Concrete pad	Good	4317337.668	725731
Gerle Creek	10	Yes	Yes	Functional	Concrete pad	Good	4317366.236	725699
Gerle Creek	11	Yes	Yes	Functional	Concrete pad	Good	4317373.792	725666
Gerle Creek	12	Yes	Yes	Functional	Concrete pad	Good	4317345.641	725688
Gerle Creek	13	Yes	Yes	Functional	Concrete pad	Good	4317340.865	725654
Gerle Creek	14	Yes	Yes	Functional	Concrete pad	Good	4317316.515	725646
Gerle Creek	15	Yes	Yes	Functional	Concrete pad	Good	4317289.884	725676
Gerle Creek	16	Yes	Yes	Functional	Concrete pad	Good	4317275.135	725662
Gerle Creek	17	Yes	Yes	Functional	Concrete pad	Good	4317260.079	725690
Gerle Creek	18	Yes	Yes	Functional	Concrete pad	Good	4317222.83	725677

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Gerle Creek	19	Yes	Yes	Functional	Concrete pad	Good	4317188.196	725695
Gerle Creek	20	Yes	Yes	Functional	Concrete pad	Good	4317216.709	725720
Gerle Creek	21	Yes	Yes	Functional	Concrete pad	Good	4317180.829	725734
Gerle Creek	22	Yes	Yes	Functional	Concrete pad	Good	4317196.194	725744
Gerle Creek	23	Yes	Yes	Functional	Concrete pad	Good	4317163.333	725743
Gerle Creek	24	Yes	Yes	Functional	Concrete pad	Good	4317185.966	725774
Gerle Creek	25	Yes	Yes	Functional	Concrete pad	Good	4317147.102	725784
Gerle Creek	26	Yes	Yes	Functional	Concrete pad	Good	4317155.017	725801
Gerle Creek	27	Yes	Yes	Functional	Concrete pad	Good	4317124.809	725784
Gerle Creek	28	Yes	Yes	Functional	Concrete pad	Good	4317090.465	725839
Gerle Creek	29	Yes	Yes	Functional	Concrete pad	Good	4317056.67	725857
Gerle Creek	30	Yes	Yes	Functional	Concrete pad	Good	4316994.135	725851
Gerle Creek	31	Yes	Yes	Functional	Concrete pad	Good	4316994.337	725890
Gerle Creek	32	Yes	Yes	Functional	Concrete pad	Good	4317012.206	725910
Gerle Creek	33	Yes	Yes	Functional	Concrete pad	Good	4317056.183	725900
Gerle Creek	34	Yes	Yes	Functional	Concrete pad	Good	4317101.936	725892
Gerle Creek	35	Yes	Yes	Functional	Concrete pad	Good	4317118.491	725888
Gerle Creek	36	Yes	Yes	Functional	Concrete pad	Good	4317151.383	725918
Gerle Creek	37	Yes	Yes	Functional	Concrete pad	Good	4317172.767	725910
Gerle Creek	38*	Yes	Yes	Functional	Concrete pad	Good	4317209.189	725895
Gerle Creek	38*	Yes	Yes	Functional	Concrete pad	Good	4317209.138	725895
Gerle Creek	39	Yes	Yes	Functional	Concrete pad	Good	4317203.799	725918
Gerle Creek	40	Yes	Yes	Functional	Concrete pad	Good	4317250.203	725917
Gerle Creek	41	Yes	Yes	Functional	Concrete pad	Good	4317239.361	725887
Gerle Creek	42	Yes	Yes	Functional	Concrete pad	Good	4317274.839	725882
Gerle Creek	43	Yes	Yes	Functional	Concrete pad	Good	4317246.042	725803
Gerle Creek	44	Yes	Yes	Functional	Concrete pad	Good	4317244.439	725831
Gerle Creek	45	Yes	Yes	Functional	Concrete pad	Good	4317202.362	725824
Gerle Creek	46	Yes	Yes	Functional	Concrete pad	Good	4317170.935	725827
Gerle Creek	47	Yes	Yes	Functional	Concrete pad	Good	4317182.486	725856
Gerle Creek	48	Yes	Yes	Functional	Concrete pad	Good	4317155.408	725845
Gerle Creek	49	Yes	Yes	Functional	Concrete pad	Good	4317169.737	725870
Gerle Creek	50	Yes	Yes	Functional	Concrete pad	Good	4317142.638	725878
Ice House	Host	No					4301494.345	729268
Ice House	1	No					4301142.017	728668
Ice House	2	No					4301129.146	728649
Ice House	3	No					4301101.318	728674
Ice House	4	No					4301109.797	728654
Ice House	5	No					4301070.049	728667

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Ice House	6	No					4301077.4	728674
Ice House	7	No					4301053.751	728679
Ice House	8	No					4301034.354	728668
Ice House	9	No					4301002.108	728667
Ice House	10	No					4301001.237	728696
Ice House	11	No					4300979.831	728687
Ice House	12	No					4300994.297	728714
Ice House	13	No					4300978.025	728718
Ice House	14	No					4300974.876	728743
Ice House	15	No					4300949.879	728770
Ice House	16	No					4300968.653	728816
Ice House	17	No					4301005.281	728810
Ice House	18	No					4301033.178	728842
Ice House	19	No					4301043.518	728826
Ice House	20	No					4301026.565	728832
Ice House	21	No					4301067.524	728816
Ice House	22	No					4301039.587	728797
Ice House	23	No					4301058.902	728781
Ice House	24	No					4301099.941	728784
Ice House	25	No					4301105.81	728772
Ice House	26	No					4301139.189	728779
Ice House	27	No					4301163.048	728757
Ice House	28	No					4301138.992	728717
Ice House	29	No					4301116.489	728735
Ice House	30	No					4301104.924	728699
Ice House	31	No					4301088.953	728732
Ice House	32	No					4301070.347	728708
Ice House	33	No					4301071.089	728736
Ice House	34	No					4301030.426	728730
Ice House	35	No					4301041.594	728761
Ice House	36	No					4301001.027	728757
Ice House	37	No					4301026.37	728782
Ice House	38	No					4300982.901	728771
Ice House	39	No					4301338.637	729146
Ice House	40	No					4301370.957	729186
Ice House	41	No					4301394.811	729216
Ice House	42	No					4301410.264	729233
Ice House	43	No					4301451.075	729144
Ice House	44	No					4301467.887	729179

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Ice House	45	No					4301487.21	729196
Ice House	46	No					4301515.415	729229
Ice House	47	No					4301502.211	729246
Ice House	48	No					4301427.03	729289
Ice House	49	No					4301410.414	729316
Ice House	50	No					4301419.214	729329
Ice House	51	No					4301467.052	729334
Ice House	52	No					4301447.156	729373
Ice House	53	No					4301492.543	729372
Ice House	54	No					4301439.635	729413
Ice House	55	No					4301476.312	729409
Ice House	56	No					4301472.67	729437
Ice House	57	No					4301433.458	729437
Ice House	58	No					4301468.33	729453
Ice House	59	No					4301416.623	729481
Ice House	60	No					4301464.112	729478
Ice House	61	No					4301409.827	729508
Ice House	62	No					4301431.417	729544
Ice House	63	No					4301446.968	729559
Ice House	64	No					4301465.914	729556
Ice House	65	No					4301484.515	729515
Ice House	66	No					4301506.674	729514
Ice House	67	No					4301494.98	729474
Ice House	68	No					4301515.124	729460
Ice House	69	No					4301524.894	729438
Ice House	70	No					4301542.264	729493
Ice House	71	No					4301553.018	729475
Ice House	72	No					4301573.497	729442
Ice House	73	No					4301587.109	729403
Ice House	74	No					4301513.8	729398
Ice House	75	No					4301562.264	729379
Ice House	76	No					4301525.825	729371
Ice House	77	No					4301567.584	729351
Ice House	78	No					4301531.079	729351
Ice House	79	No					4301589.41	729322
Ice House	80	No					4301546.961	729264
Ice House	81	No					4301547.381	729307
Ice House	82	No					4301526.312	729280
Ice House	83	No					4301512.106	729314

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Jones Fork	1	Yes	Yes	Functional	Concrete footings	Good	4304360.114	726897
Jones Fork	2	Yes	Yes	Functional	Concrete footings	Good	4304463.273	726928
Jones Fork	3	Yes	Yes	Functional	Concrete footings	Good	4304475.643	726929
Jones Fork	4	Yes	Yes	Functional	Concrete footings	Good	4304531.511	726924
Jones Fork	5	Yes	Yes	Functional	Concrete footings	Good	4304525.231	726908
Jones Fork	6	Yes	Yes	Functional	Concrete footings	Good	4304496.838	726895
Jones Fork	7	Yes	Yes	Functional	Concrete footings	Good	4304484.566	726888
Jones Fork	8	Yes	Yes	Functional	Concrete footings	Good	4304456.781	726873
Jones Fork	9	Yes	Yes	Functional	Concrete footings	Good	4304425.355	726887
Jones Fork	10	Yes	Yes	Functional	Concrete footings	Good	4304422.273	726887
Lone Rock	1	Yes	Yes	Functional	Concrete footings	Good	4304833.512	726788
Lone Rock	2	Yes	Yes	Functional	Concrete footings	Good	4304837.613	726767
Lone Rock	3	Yes	Yes	Functional	Concrete footings	Good	4304855.055	726755
Lone Rock	4	Yes	Yes	Functional	Concrete footings	Good	4304855.581	726767
Lone Rock	5	Yes	Yes	Functional	Concrete footings	Good	4304861.503	726795
Loon Lake	1	Yes	Yes	Functional	Two concrete footings	Good	4318044.647	732396
Loon Lake	2	Yes	Yes	Functional	Concrete footings	Good	4318037.883	732360
Loon Lake	3	Yes	Yes	Functional	One concrete footing	Good	4318088.424	732349
Loon Lake	4	Yes	Yes	Functional	One concrete footing	Good	4318097.712	732326
Loon Lake	5	Yes	Yes	Functional	Two concrete footings	dented but functional	4318063.403	732307
Loon Lake	6	Yes	Yes	Functional	Concrete footings	Good	4318041.165	732326
Loon Lake	7	Yes	Yes	Functional	Concrete footings	Good	4318021.381	732291
Loon Lake	8	Yes	Yes	Functional	Concrete footings	Good	4317997.056	732288
Loon Lake	9	Yes	Yes	Functional	Concrete footings	Good	4318017.19	732342
Loon Lake	10	Yes	Yes	Functional	None	Good	4317982.403	732319
Loon Lake	11	Yes	Yes	Functional	Wooden plank front, rock in back	Good	4317992.922	732362
Loon Lake	12	Yes	Yes	Functional	Concrete footings	Good	4317991.853	732392
Loon Lake	13	Yes	Yes	Functional	Concrete footings	Good	4318216.692	732426
Loon Lake	14	Yes	Yes	Functional	Concrete footings	Good	4318227.308	732439
Loon Lake	15	Yes	Yes	Functional	Back footings/Leaning forward	Good	4318282.839	732403
Loon Lake	16	Yes	Yes	Functional	Concrete footings	Good	4318255.183	732439
Loon Lake	17	Yes	Yes	Functional	Concrete footings	Good	4318303.621	732422
Loon Lake	18	Yes	Yes	Functional	Concrete footings	Good	4318333.674	732447
Loon Lake	19	Yes	Yes	Functional	None	Good	4318285.174	732470
Loon Lake	20	Yes	Yes	Functional	Concrete footings	Good	4318311.113	732497
Loon Lake	21	Yes	Yes	Functional	None	Good	4318277.501	732487
Loon Lake	22	Yes	Yes	Functional	Concrete footings	Good	4318275.585	732496
Loon Lake	23	Yes	Yes	Functional	One concrete footing	Good	4318277.817	732543
Loon Lake	24	Yes	Yes	Functional	Two concrete footings	Good	4318308.822	732522

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Loon Lake	25	Yes	Yes	Functional	None	Good	4318287.266	732558
Loon Lake	26	Yes	Yes	Functional	Concrete footings unstable	Good	4318342.017	732593
Loon Lake	27	Yes	Yes	Functional	Concrete footings	Good	4318341.847	732545
Loon Lake	28	Yes	Yes	Functional	Concrete footings	Good	4318397.237	732548
Loon Lake	29	Yes	Yes	Functional	Concrete footings	Good	4318394.191	732518
Loon Lake	30	Yes	Yes	Functional	Concrete footings	Top slightly dented	4318353.699	732523
Loon Lake	31	Yes	Yes	Functional	Concrete footings	Good	4318345.684	732511
Loon Lake	32	Yes	Yes	Functional	Concrete footings	Good	4318364.371	732486
Loon Lake	33	Yes	Yes	Functional	Concrete footings	Good	4318360.343	732469
Loon Lake	34	Yes	Yes	Functional	Concrete footings	Good	4318331.468	732496
Loon Lake	35	Yes	Yes	Functional	Concrete footings	Good	4318103.718	732527
Loon Lake	36	Yes	Yes	Functional	Concrete footings	Good	4318081.39	732506
Loon Lake	37	Yes	Yes	Functional	Concrete footings	Good	4318051.974	732516
Loon Lake	38	Yes	Yes	Functional	Concrete footings	Good	4318061.044	732487
Loon Lake	39	Yes	Yes	Functional	Concrete footings	Good	4318044.213	732477
Loon Lake	40	Yes	Yes	Functional	Concrete footings	Good	4318032.842	732521
Loon Lake	41	Yes	Yes	Functional	Concrete footings	Good	4318009.136	732487
Loon Lake	42	Yes	Yes	Functional	Concrete footings	Good	4317974.931	732494
Loon Lake	43	Yes	Yes	Functional	Concrete footings	Good	4317953.664	732500
Loon Lake	44	Yes	Yes	Functional	Concrete footings	Good	4317936.887	732522
Loon Lake	45	Yes	Yes	Functional	Concrete footings	Good	4317937.204	732554
Loon Lake	46	Yes	Yes	Functional	Concrete footings	Good	4317972.015	732584
Loon Lake	47	Yes	Yes	Functional	Concrete footings	Good	4317987.479	732562
Loon Lake	48	Yes	Yes	Functional	Concrete footings	Good	4317996.001	732590
Loon Lake	49	Yes	Yes	Functional	None	Good	4318020.771	732575
Loon Lake	50	Yes	Yes	Functional	Concrete footings	Good	4318033.063	732549
Loon Lake	51	Yes	Yes	Functional	Concrete footings	Good	4318051.327	732568
Loon Lake	52	Yes	Yes	Functional	Concrete footings	Good	4318072.538	732562
Loon Lake	53	Yes	Yes	Functional	Concrete footings	Good	4318062.646	732543
Loon Lake Boat ramp	1	No					4317956.469	732203
Loon Lake Boat ramp	2	No					4317959.273	732208
Loon Lake Boat ramp	3	No					4317963	732214
Loon Lake Boat ramp	4	No					4317969.152	732217
Loon Lake Boat ramp	5	No					4317976.213	732220
Loon Lake Boat ramp	6	No					4317982.644	732222
Loon Lake Boat ramp	7	No					4317990.908	732223
Loon Lake Boat ramp	8	No					4317997.634	732223
Loon Lake Boat ramp	9	No					4318005.573	732222
Loon Lake Boat ramp	10	No					4318012.285	732221

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Loon Lake Boat ramp	11	No					4318019.294	732219
Loon Lake Boat ramp	12	No					4318024.761	732216
Loon Lake Equestrian	1	Yes	Yes	Functional	Chain	Good	4318069.784	732596
Loon Lake Equestrian	2	Yes	Yes	Functional	Concrete footings	Good	4318057.116	732613
Loon Lake Equestrian	3	Yes	Yes	Functional	Concrete footings	Good	4318025.976	732634
Loon Lake Equestrian	4	Yes	Yes	Functional	Chain	Good	4318052.783	732673
Loon Lake Equestrian	5	Yes	Yes	Functional	None	Good	4318082.906	732675
Loon Lake Equestrian	6	Yes	Yes	Functional	None	Good	4318113.988	732677
Loon Lake Equestrian	7	Yes	Yes	Functional	Concrete footings	Good	4318149.617	732668
Loon Lake Equestrian	8	Yes	Yes	Functional	Concrete footings	Good	4318142.16	732623
Loon Lake Equestrian	9	Yes	Yes	Functional	Concrete footings	Good	4318105.272	732625
Loon Lake Group Site 1	1	Yes	Yes	Functional	Concrete footings	Good	4318145.038	732341
Loon Lake Group Site 1	2	No					4318140.735	732343
Loon Lake Group Site 1	3	No					4318162.392	732354
Loon Lake Group Site 1	4	No					4318174.49	732345
Loon Lake Group Site 1	5	Yes	Yes	Functional	Concrete footings	Good	4318189.348	732340
Loon Lake Group Site 1	6	No					4318207.17	732324
Loon Lake Group Site 1	7	Yes	Yes	Functional	Concrete footings	Good	4318218.278	732340
Loon Lake Group Site 1	8	No					4318218.947	732352
Loon Lake Group Site 1	9	Yes	Yes	Functional	Concrete footings	Good	4318232.053	732344
Loon Lake Group Site 1	10	Yes	Yes	Functional	Concrete footings	Good	4318249.395	732348
Loon Lake Group Site 2	1	Yes	Yes	Functional	Concrete footings - 1 cracked	Good	4318187.88	732561
Loon Lake Group Site 2	2	Yes	Yes	Functional	Concrete footings	Good	4318203.131	732554
Loon Lake Group Site 2	3	Yes	Yes	Functional	Concrete footings	Good	4318216.133	732524
Loon Lake Group Site 2	4	Yes	Yes	Functional	Concrete footings	Good	4318201.462	732498
Loon Lake Group Site 2	5	Yes	Yes	Functional	Concrete footings	Good	4318166.465	732470
Loon Lake Group Site 2	6	Yes	Yes	Functional	Concrete footings	Good	4318148.181	732506
Loon Lake Group Site 3 (Equestrian)	1	No					4317858.53	732265
Loon Lake Group Site 3 (Equestrian)	2	Yes	Yes	Functional	Concrete footings	Good	4317851.988	732281
Loon Lake Group Site 3 (Equestrian)	3	Yes	Yes	Functional	Concrete footings	Good	4317850.157	732310
Loon Lake Group Site 3 (Equestrian)	4	No					4317841.782	732326
Loon Lake Group Site 3 (Equestrian)	5	Yes	Yes	Functional	Concrete footings	Good	4317856.047	732341
North Shore	1	No					4320119.653	732177
North Shore	2	No					4320097.068	732171
North Shore	3	No					4320080.372	732165
North Shore	4	No					4320077.683	732193
North Shore	5	No					4320081.589	732222
North Shore	6	No					4320099.161	732208
North Shore	7	No					4320107.644	732224

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
North Shore	8	No					4320090.227	732236
North Shore	9	No					4320107.398	732246
North Shore	10	No					4320120.613	732241
North Shore	11	No					4320133.639	732246
North Shore	12	No					4320144.658	732245
North Shore	13	No					4320158.899	732235
North Shore	14	No					4320129.453	732205
North Shore	15	No					4320134.104	732221
Northwind	1	No					4301398.925	730161
Northwind	3	No					4301357.793	730245
Northwind	4	No					4301338.317	730295
Northwind	5	No					4301347.07	730327
Northwind	6	No					4301348.883	730343
Northwind	7	No					4301353.39	730321
Northwind	8	No					4301366.003	730254
Northwind	9	No					4301394.232	730236
Northwind	10	No					4301406.908	730190
Red Fir	1	No					4320454.385	732537
Red Fir	2	No					4320429.388	732547
Red Fir	3	No					4320436.43	732560
Red Fir	4	No					4320471.649	732561
Red Fir	5	No					4320438.197	732573
Red Fir	6	No					4320466.799	732599
Red Fir	7	No					4320446.783	732592
Red Fir	8	No					4320450.78	732614
Strawberry Point	1	No					4301134.787	730920
Strawberry Point	2	No					4301117.202	730916
Strawberry Point	3	No					4301108.349	730920
Strawberry Point	4	No					4301089.61	730938
Strawberry Point	5	No					4301084.334	730952
Strawberry Point	6	No					4301127.622	731042
Strawberry Point	7	No					4301118.905	731020
Strawberry Point	8	No					4301141.325	731039
Strawberry Point	9	No					4301165.206	731018
Strawberry Point	10	No					4301158.017	731002
Sunset	1	Yes	Yes	Functional	Concrete pad	Good	4305503.716	725632
Sunset	2	Yes	Yes	Functional	Concrete pad	Good	4305480.637	725649
Sunset	3	No					4305513.734	725678
Sunset	4	Yes	Yes	Functional	Concrete pad	Good	4305538	725668

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Sunset	5	Yes	Yes	Functional	Concrete pad	Good	4305540.156	725646
Sunset	6	Yes	Yes	Functional	Concrete pad	Good	4305587.746	725620
Sunset	7	Yes	Yes	Functional	Concrete pad	Good	4305554.115	725601
Sunset	8	Yes	Yes	Functional	Concrete pad	Good	4305586.785	725558
Sunset	9	Yes	Yes	Functional	Concrete pad	Good	4305573.083	725583
Sunset	10	Yes	Yes	Functional	Concrete pad	Good	4305570.255	725543
Sunset	11	Yes	Yes	Functional	Concrete pad	Good	4305595.995	725536
Sunset	12	Yes	Yes	Functional	Concrete pad	Good	4305607.781	725515
Sunset	13	Yes	Yes	Functional	Concrete pad	Good	4305602.454	725466
Sunset	14	Yes	Yes	Functional	Concrete pad	Good	4305594.924	725481
Sunset	15	Yes	Yes	Functional	Concrete pad	Good	4305610.196	725453
Sunset	16	Yes	Yes	Functional	Concrete pad	Good	4305574.917	725431
Sunset	17	Yes	Yes	Functional	Concrete pad	Good	4305591.727	725409
Sunset	18	Yes	Yes	Functional	Concrete pad	Good	4305564.888	725405
Sunset	19	Yes	Yes	Functional	Concrete pad	Good	4305587.689	725399
Sunset	20	Yes	Yes	Functional	Concrete pad	Good	4305549.112	725373
Sunset	21	Yes	Yes	Functional	Concrete pad	Good	4305520.47	725389
Sunset	22	Yes	Yes	Functional	Concrete pad	Good	4305518.885	725413
Sunset	23	Yes	Yes	Functional	Concrete pad	Good	4305494.595	725409
Sunset	24	Yes	Yes	Functional	Concrete pad	Good	4305491.271	725431
Sunset	25	Yes	Yes	Functional	Concrete pad	Good	4305527.412	725435
Sunset	26	Yes	Yes	Functional	Concrete pad	Good	4305476.436	725479
Sunset	27	Yes	Yes	Functional	Concrete pad	Good	4305514.843	725467
Sunset	28	Yes	Yes	Functional	Concrete pad	Good	4305443.671	725478
Sunset	29	Yes	Yes	Functional	Concrete pad	Good	4305496.867	725502
Sunset	30	Yes	Yes	Functional	Concrete pad	Good	4305486.824	725533
Sunset	31	Yes	Yes	Functional	Concrete pad	Good	4305460.582	725513
Sunset	32	Yes	Yes	Functional	Concrete pad	Good	4305446.26	725558
Sunset	33	Yes	Yes	Functional	Concrete pad	Good	4305493.061	725553
Sunset	34	Yes	Yes	Functional	Concrete pad	Good	4305451.903	725592
Sunset	35	Yes	Yes	Functional	Concrete pad	Good	4305504.737	725576
Sunset	36	Yes	Yes	Functional	Concrete pad	Good	4305496.579	725593
Sunset	37	No					4305305.875	725355
Sunset	38	No					4305291.591	725404
Sunset	39	No					4305331.714	725372
Sunset	40	No					4305348.629	725439
Sunset	41	No					4305361.204	725386
Sunset	42	No					4305386.794	725414
Sunset	43	No					4305397.867	725372

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Sunset	44	No					4305414.196	725344
Sunset	45	No					4305447.126	725377
Sunset	46	No					4305458.06	725378
Sunset	47	No					4305456.343	725341
Sunset	48	No					4305504.964	725337
Sunset	49	No					4305478.79	725323
Sunset	50	No					4305505.454	725300
Sunset	51	No					4305481.778	725226
Sunset	52	No					4305462.063	725286
Sunset	53	No					4305456.355	725247
Sunset	54	No					4305440.298	725290
Sunset	55	No					4305405.97	725274
Sunset	56	No					4305375.45	725274
Sunset	57	No					4305403.741	725330
Sunset	58	No					4305378.135	725333
Sunset	59	No					4305339.425	725343
Sunset	60	No					4305346.726	725299
Sunset	61	No					4305305.161	725313
Sunset	62	No					4305327.301	725257
Sunset	63	No					4305323.264	725233
Sunset	64	No					4305360.404	725255
Sunset	65	No					4305331.298	725216
Sunset	66	No					4305410.252	725205
Sunset	67	No					4305401.037	725188
Sunset	68	No					4305439.404	725182
Sunset	69	No					4305458.615	725168
Sunset	70	No					4305456.42	725146
Sunset	71	No					4305390.575	725164
Sunset	72	No					4305388.822	725101
Sunset	73	No					4305375.539	725135
Sunset	74	No					4305349.129	725080
Sunset	75	No					4305316.291	725083
Sunset	76	No					4305336.081	725138
Sunset	77	No					4305282.735	725149
Sunset	78	No					4305277.975	725189
Sunset	79	No					4305280.422	725228
Sunset	80	No					4305285.125	725248
Sunset	81	No					4305216.573	724923
Sunset	82	No					4305241.997	724951

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Sunset	83	No					4305270.619	724938
Sunset	84	No					4305275.643	724913
Sunset	85	No					4305236.746	724900
Sunset	86	No					4305274.009	724882
Sunset	87	No					4305230.82	724886
Sunset	88	No					4305237.139	724875
Sunset	89	No					4305193.229	724857
Sunset	90	No					4305228.813	724818
Sunset	91	No					4305184.837	724833
Sunset	92	No					4305210.527	724778
Sunset	93	No					4305182.51	724787
Sunset	94	No					4305208.978	724747
Sunset	95	No					4305209.665	724740
Sunset	96	No					4305174.911	724757
Sunset	97	No					4305178.492	724729
Sunset	98	No					4305165.087	724711
Sunset	99	No					4305139.288	724731
Sunset	100	No					4305111.399	724745
Sunset	101	No					4305131.059	724770
Sunset	102	No					4305113.283	724769
Sunset	103	No					4305094.65	724805
Sunset	104	No					4305099.258	724819
Sunset	105	No					4305132.496	724795
Sunset	106	No					4305135.36	724834
Sunset	107	No					4305134.083	724861
Sunset	108	No					4305098.203	724886
Sunset	109	No					4305122.135	724888
Sunset	110	No					4305108.692	724921
Sunset	111	No					4305136.78	724920
Sunset	112	No					4305048.319	724978
Sunset	113	No					4305053.48	724919
Sunset	114	No					4305030.219	724958
Sunset	115	No					4305041.369	724903
Sunset	116	No					4305039.408	724916
Sunset	117	No					4305027.577	724881
Sunset	118	No					4305009.5	724894
Sunset	119	No					4304972.103	724871
Sunset	120	No					4304943.027	724883
Sunset	121	No					4304971.374	724897

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Sunset	122	No					4304935.226	724918
Sunset	123	No					4304941.549	724938
Sunset	124	No					4304966.069	724964
Sunset	125	No					4304999.952	724970
Sunset	126	No					4304976.788	724992
Sunset	127	No					4305017.15	724985
Sunset	128	No					4305028.184	724994
Sunset	129	No					4305040.781	725035
Sunset	130	No					4305075.244	725024
Sunset	131	No					4305058.233	724999
Wench Creek	Host	No					4307694.861	728048
Wench Creek	1	No					4307725.485	728000
Wench Creek	2	No					4307697.754	728015
Wench Creek	3	No					4307713.66	727976
Wench Creek	4	No					4307690.236	727992
Wench Creek	5	No					4307709.341	727950
Wench Creek	6	No					4307691.919	727919
Wench Creek	7	No					4307673.291	727915
Wench Creek	8	No					4307653.774	727947
Wench Creek	9	No					4307619.284	727932
Wench Creek	10	No					4307637.927	727906
Wench Creek	11	No					4307597.616	727917
Wench Creek	12	No					4307586.851	727871
Wench Creek	13	No					4307548.804	727876
Wench Creek	14	No					4307535.422	727918
Wench Creek	15	No					4307574.212	727919
Wench Creek	16	No					4307547.923	727937
Wench Creek	17	No					4307564.679	727959
Wench Creek	18	No					4307602.771	727953
Wench Creek	19	No					4307595.882	727982
Wench Creek	20	No					4307610.394	728019
Wench Creek	21	No					4307640.52	727996
Wench Creek	22	No					4307618.35	728031
Wench Creek	23	No					4307654.558	728017
Wench Creek	24	No					4307647.636	728050
Wench Creek	25	No					4307668.727	728091
Wench Creek	26	No					4307673.369	728045
Wench Creek	27	No					4307702.588	728089
Wench Creek	28	No					4307725.074	728091

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Wench Creek	29	No					4307684.07	727816
Wench Creek	30	No					4307711.121	727781
Wench Creek	31	No					4307683.839	727734
Wench Creek	32	No					4307667.541	727767
Wench Creek	33	No					4307647.845	727768
Wench Creek	34	No					4307647.21	727728
Wench Creek	35	No					4307611.216	727752
Wench Creek	36	No					4307623.413	727712
Wench Creek	37	No					4307567.284	727706
Wench Creek	38	No					4307583.749	727735
Wench Creek	39	No					4307555.874	727760
Wench Creek	40	No					4307536.575	727725
Wench Creek	41	No					4307512.872	727727
Wench Creek	42	No					4307535.568	727760
Wench Creek	43	No					4307496.679	727746
Wench Creek	44	No					4307473.838	727762
Wench Creek	45	No					4307470.439	727797
Wench Creek	46	No					4307481.609	727823
Wench Creek	47	No					4307533.262	727788
Wench Creek	48	No					4307522.217	727825
Wench Creek	49	No					4307559.486	727805
Wench Creek	50	No					4307549.03	727839
Wench Creek	51	No					4307575.477	727843
Wench Creek	52	No					4307602.355	727812
Wench Creek	53	No					4307608.215	727838
Wench Creek	54	No					4307632.722	727805
Wench Creek	55	No					4307632.709	727856
Wench Creek	56	No					4307656.557	727825
Wench Creek	57	No					4307658.937	727871
Wench Creek	58	No					4307701.218	727859
Wench Creek	59	No					4307757.572	727629
Wench Creek	60	No					4307769.199	727613
Wench Creek	61	No					4307728.811	727619
Wench Creek	62	No					4307764.376	727576
Wench Creek	63	No					4307742.96	727551
Wench Creek	64	No					4307752.854	727511
Wench Creek	65	No					4307750.441	727481
Wench Creek	66	No					4307717.793	727499
Wench Creek	67	No					4307750.717	727460

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Wench Creek	68	No					4307732.743	727429
Wench Creek	69	No					4307721.466	727410
Wench Creek	70	No					4307685.975	727416
Wench Creek	71	No					4307665.236	727443
Wench Creek	72	No					4307694.342	727459
Wench Creek	73	No					4307657.365	727465
Wench Creek	74	No					4307682.103	727486
Wench Creek	75	No					4307670.715	727501
Wench Creek	76	No					4307633.805	727518
Wench Creek	77	No					4307602.84	727484
Wench Creek	78	No					4307609.872	727535
Wench Creek	80	No					4307585.601	727534
Wench Creek	81	No					4307556.063	727507
Wench Creek	82	No					4307536.478	727528
Wench Creek	83	No					4307525.687	727564
Wench Creek	84	No					4307541.013	727582
Wench Creek	85	No					4307558.982	727596
Wench Creek	86	No					4307586.645	727575
Wench Creek	87	No					4307590.695	727603
Wench Creek	88	No					4307600.03	727619
Wench Creek	89	No					4307635.482	727593
Wench Creek	90	No					4307630.689	727643
Wench Creek	91	No					4307657.234	727609
Wench Creek	92	No					4307667.287	727644
Wench Creek	93	No					4307706.995	727625
Wench Creek	94	No					4307683.633	727668
Wench Creek	95	No					4307716.226	727674
Wench Creek	96	No					4307710.955	727536
Wench Creek	97	No					4307705.878	727590
Wench Creek	98	No					4307633.802	727550
Wench Creek	99	No					4307659.878	727582
Wench Creek	100	No					4307616.187	727559
Wench Creek Group	1	No					4307585.759	728328
Wench Creek Group	2	No					4307647.666	728185
West Point	1	No					4305554.565	721967
West Point	2	No					4305563.229	721984
West Point	3	No					4305563.711	721981
West Point	4	No					4305531.601	721974
West Point	5	No					4305583.37	721995

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
West Point	6	No					4305580.272	722006
West Point	7	No					4305610.078	721980
West Point	8	No					4305623.534	722016
Wolf Creek Group Site	1	Yes	Yes	Original latch broken	Concrete footings - 1 damaged	Good	4306723.202	725232
Wolf Creek Group Site	2*	Yes	Yes	Functional	Concrete footings	Good	4306763.698	725115
Wolf Creek Group Site	2*	Yes	Yes	Functional	Concrete footings	Good	4306759.898	725095
Wolf Creek Group Site	2*	Yes	Yes	Functional	Concrete footings	Good	4306766.231	725110
Wolf Creek Group Site	3*	Yes	Yes	Functional	Concrete footings	Good	4306785.985	725003
Wolf Creek Group Site	3*	Yes	Yes	Functional	Concrete footings	Good	4306804.128	725003
Wolf Creek	1	Yes	Yes	Functional	Concrete footings	Good	4307243.859	725590
Wolf Creek	2	Yes	Yes	Functional	Concrete footings	Good	4307223.224	725614
Wolf Creek	3	Yes	Yes	Functional	Concrete footings- 1 damaged	minor dirt and rust	4307217.954	725638
Wolf Creek	4	Yes	Yes	Door hard to open	Concrete footings	Good	4307125.981	725751
Wolf Creek	5	Yes	Yes	Functional	Concrete footings	Good	4307114.331	725736
Wolf Creek	6	Yes	Yes	Functional	Concrete footings	Good	4307072.414	725745
Wolf Creek	7	Yes	Yes	Functional	Concrete footings	Good	4307081.385	725723
Wolf Creek	8	Yes	Yes	Functional	Concrete footings	Good	4307066.009	725728
Wolf Creek	9	Yes	Yes	Functional	Concrete footings	Good	4307073.711	725698
Wolf Creek	10	Yes	Yes	Functional	Concrete footings	Good	4307044.59	725703
Wolf Creek	11	Yes	Yes	Functional	Concrete footings	Good	4307035.718	725672
Wolf Creek	12	Yes	Yes	Functional	Concrete footings	Good	4307010.219	725676
Wolf Creek	13	Yes	Yes	Functional	Concrete footings	Good	4306995.586	725706
Wolf Creek	14	Yes	Yes	Functional	Concrete footings	Good	4307016.818	725715
Wolf Creek	15	Yes	Yes	Functional	Concrete footings	Good	4307011.864	725747
Wolf Creek	16	Yes	Yes	Original latch broken	Concrete footings	Good	4307029.753	725733
Wolf Creek	17	Yes	Yes	Functional	Concrete footings	Good	4307032.417	725768
Wolf Creek	18	Yes	Yes	Functional	Concrete footings - 1 loose	Good	4307049.094	725762
Wolf Creek	19	Yes	Yes	Functional	Concrete footings	Good	4307043.133	725793
Wolf Creek	20	Yes	Yes	Functional	Concrete footings	Good	4307064.533	725804
Wolf Creek	21	Yes	Yes	Functional	Concrete footings	Good	4307068.747	725782
Wolf Creek	22	Yes	Yes	Functional	Concrete footings	Good	4307091.204	725818
Wolf Creek	23	Yes	Yes	Functional	Concrete footings	Good	4307116.748	725798
Wolf Creek	24	Yes	Yes	Functional	Concrete footings	Good	4307033.638	725832
Wolf Creek	25	Yes	Yes	Functional	Concrete footings	Good	4307017.965	725831
Wolf Creek	26	Yes	Yes	Functional	Concrete footings	Good	4307001.672	725798
Wolf Creek	27	Yes	Yes	Functional	Concrete footings	Good	4306988.953	725813
Wolf Creek	28	Yes	Yes	Functional	Concrete footings	Good	4306991.485	725765
Wolf Creek	29	Yes	Yes	Functional	Concrete footings	Good	4306972.371	725771
Wolf Creek	30	Yes	Yes	Functional	Concrete footings	Good	4306948.79	725764

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Wolf Creek	31	Yes	Yes	Functional	Concrete footings	Good	4306934.475	725771
Wolf Creek	32	Yes	Yes	Functional	Concrete footings	Good	4306935.871	725798
Wolf Creek	33*	Yes	Yes	Functional	Concrete footings	Good	4306941.262	725826
Wolf Creek	33*	Yes	Yes	Functional	Concrete footings	Good	4306955.532	725824
Wolf Creek	34	Yes	Yes	Functional	Concrete footings	Spray painted	4306974.141	725836
Wolf Creek	35	Yes	Yes	Functional	Concrete footings	Good	4307183.624	725783
Wolf Creek	36	Yes	Yes	Functional	Concrete footings	Good	4307198.672	725753
Wolf Creek	36	Yes	Yes	Functional	Concrete footings	Good	4307190.809	725756
Wolf Creek	37	Yes	Yes	Functional	Concrete footings	Good	4307216.122	725712
Wolf Creek	38*	Yes	Yes	Functional	Concrete footings	Good	4307235.66	725686
Wolf Creek	38*	Yes	Yes	Functional	Concrete footings	Good	4307229.866	725689
Wolf Creek	39	Yes	Yes	Functional	Concrete footings	Good	4307235.26	725669
Wolf Creek	40	Yes	Yes	Functional	Concrete footings	Good	4307248.662	725621
Wolf Creek	41*	Yes	Yes	Functional	Concrete footings	Good	4307269.086	725599
Wolf Creek	41*	Yes	Yes	Functional	Concrete footings	Good	4307270.678	725593
Wolf Creek	42	Yes	Yes	Functional	Concrete footings	Minor dirt and rust	4307277.963	725559
Yellowjacket	0	Yes	Yes	Functional	Concrete pad	Good	4307869.404	726505
Yellowjacket	1	Yes	Yes	Functional	Concrete pad	Good	4307879.31	726528
Yellowjacket	2	Yes	Yes	Functional	Concrete pad	Good	4307837.798	726522
Yellowjacket	3	Yes	Yes	Functional	Concrete pad	Good	4307865.108	726504
Yellowjacket	4	Yes	Yes	Functional	Concrete pad	Good	4307848.355	726476
Yellowjacket	5	Yes	Yes	Functional	Concrete pad	Good	4307834.238	726488
Yellowjacket	6	Yes	Yes	Functional	Concrete pad	Good	4307843.092	726450
Yellowjacket	7	Yes	Yes	Functional	Concrete pad	Good	4307806.219	726418
Yellowjacket	8	Yes	Yes	Functional	Concrete pad	Good	4307789.749	726450
Yellowjacket	9	Yes	Yes	Functional	Concrete pad	Good	4307775.895	726361
Yellowjacket	10	Yes	Yes	Functional	Concrete pad	Good	4307765.096	726415
Yellowjacket	11	Yes	Yes	Functional	Concrete pad	Good	4307761.303	726442
Yellowjacket	12	Yes	Yes	Functional	Concrete pad	Good	4307730.66	726457
Yellowjacket	13	Yes	Yes	Functional	Concrete pad	Good	4307755.827	726478
Yellowjacket	14	Yes	Yes	Functional	Concrete pad	Good	4307745.84	726505
Yellowjacket	15	Yes	Yes	Functional	Concrete pad	Good	4307706.598	726527
Yellowjacket	16	Yes	Yes	Functional	Concrete pad	Good	4307723.729	726483
Yellowjacket	17	Yes	Yes	Functional	Concrete pad	Good	4307670.751	726471
Yellowjacket	17	Yes	Yes	Functional	Concrete pad	Good	4307672.901	726511
Yellowjacket	19	Yes	Yes	Functional	Concrete pad	Good	4307655.588	726509
Yellowjacket	20	Yes	Yes	Functional	Concrete pad	Good	4307633.127	726509
Yellowjacket	21	Yes	Yes	Functional	Concrete pad	Good	4307651.234	726565
Yellowjacket	22	Yes	Yes	Functional	Concrete pad	Good	4307677.948	726561

Table A-2 Bear Proof Lockers by Campsite

Facility	Site Number	Bear Locker Present	Door Functional	Functionality Note	Anchoring Description	Cosmetic Condition	Northing	Easting
Yellowjacket	23	Yes	Yes	Functional	Concrete pad	Good	4307674.293	726594
Yellowjacket	24	Yes	Yes	Functional	Concrete pad	Good	4307706.281	726608
Yellowjacket	25	Yes	Yes	Functional	Concrete pad	Good	4307729.473	726592
Yellowjacket	26	Yes	Yes	Functional	Concrete pad	Good	4307716.979	726567
Yellowjacket	27	Yes	Yes	Functional	Concrete pad	Good	4307763.925	726556
Yellowjacket	28	Yes	Yes	Functional	Concrete pad	Good	4307790.096	726583
Yellowjacket	29	Yes	Yes	Functional	Concrete pad	Good	4307778.277	726546
Yellowjacket	30	Yes	Yes	Functional	Concrete pad	Good	4307822.794	726569
Yellowjacket	31	Yes	Yes	Functional	Concrete pad	Good	4307811.673	726544
Yellowjacket	32	Yes	Yes	Functional	Concrete pad	Good	4307841.956	726650
Yellowjacket	33	Yes	Yes	Functional	Concrete pad	Good	4307871.69	726614
Yellowjacket	34	Yes	Yes	Functional	Concrete pad	Good	4307877.234	726660
Yellowjacket	35	Yes	Yes	Functional	Concrete pad	Good	4307913.764	726683
Yellowjacket	36	Yes	Yes	Functional	Concrete pad	Good	4307912.06	726646
Yellowjacket	37	Yes	Yes	Functional	Concrete pad	Good	4307954.058	726654
Yellowjacket	38	Yes	Yes	Functional	Concrete pad	Good	4307957.701	726632
Yellowjacket	39	Yes	Yes	Functional	Concrete pad	Good	4307953.694	726596

A-3 Visual Assessment Summary

Table A-3 Visual Assessment Summary

		Good Shape	Good Position	Needs To Be Rotated	Needs To Be Replaced	Comments
1	Ice House Picnic Area	x	x			
2	Ice House Campground	x	x	x		Fair shape - frost damage. Position could be better
3	Ice House Campground	x	x			Paving Required, Not level - has broken wheels
4	Ice House Campground	x				Frost damage, should be repositioned, but has wheels
5	Ice House Campground		x			Frost Damage, chipped but functional
6	Ice House Boat Ramp	x	x			Frost Damage, chipped but functional
7	Ice House Boat Ramp		x		x	Double size pad with one can. Cracked in middle, Looks to be deflected downward in the center, Chipped
8	Ice House Campground 2nd Loop	x		x		Sitting on a Decomposed Granite Pad. Position is bad, will require additional fill to rotate
9	Ice House Campground 2nd Loop	x		x		Minor chipping, Relocate existing
10	Ice House Campground 2nd Loop	x				Bad position, needs paving
11	Ice House Campground 2nd Loop	x				Minor frost damage, Bad position
12	Northwind Campground	x	x			Minor grading required around area to minimize debris collection
13	Strawberry Point			x		Position needs to be aligned. Chipped but serviceable
14	Jones Fork	x		x		
15	Fashoda Boat Ramp	x	x			
16	Fashoda Boat Ramp	x	x			
17	Fashoda Campground	x	x			
18	Fashoda Campground	x	x			Minor chipping and frost damage, Minor grading required around area to minimize debris collection
19	Big Silver	x	x			
20	Big Silver	x		x		Poor Location
21	Chalet (Loon Lake)				x	Poor shape, replace, should be relocated, difficult to access
22	North Shore Campground	x			x	Too small for current can, poor position, replace pad or use a smaller can
23	Red Fir Campground	x	x			
24	Loon Lake Boat Launch	x	x			
25	Loon Lake Boat Launch	x	x			
26	Loon Lake Campground	x		x		
27	Loon Lake Campground	x	x			Chipped but serviceable
28	Loon Lake Campground	x		x		
29	Loon Lake Campground	x	x			
30	Loon Lake Campground	x		x		
31	Loon Lake Campground	x		x		
32	Airport Flat Campground	x	x			Needs paving
33	Gerle Creek Campground	x	x			
34	Gerle Creek Campground	x	x			
35	Gerle Creek Campground	x		x		
36	Gerle Creek Campground	x	x			
37	Gerle Creek Campground	x		x		
38	Gerle Creek Campground	x	x			
39	Gerle Creek Campground	x	x			
40	Gerle Creek Campground	x		x		Rotate and smaller box or larger pad to accommodate existing dumpster
41	Gerle Creek Campground	x	x			
42	Angel Creek Picnic Area	x		x		
43	Wolf Creek Group 1	x	x			

Table A-3 Visual Assessment Summary

		Good Shape	Good Position	Needs To Be Rotated	Needs To Be Replaced	Comments
44	Wolf Creek Group 2	x	x			
45	Wolf Creek Group 2	x	x			
46	Wolf Creek Group 3	x	x			
47	Wolf Creek Campground	x		x		Needs paving
48	Wolf Creek Campground	x		x		
49	Wolf Creek Campground	x		x		
50	Wolf Creek Campground	x		x		
51	Wolf Creek Campground	x	x			
52	Wolf Creek Campground	x	x			
53	Wolf Creek Campground	x	x			
54	Camino Cove	x	x			Soil is eroding on the downhill side, Needs to be shored
55	Camino Cove	x	x			
56	Camino Cove	x	x			OK position, could be rotated
57	West Point	x	x			Ok position, needs paving
General note: Any pad requiring rotation or relocation will require paving to accommodate the new position						



Appendix B Recreation Facility Maps

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Loon Lake Area

Loon Lake Campgrounds	B-3
Northshore Campground	B-4
Red Fir Group Campground	B-5

Gerle Creek Reservoir Area

Airport Flat Campground	B-7
Angel Creek Day Use Area	B-8
Gerle Creek Campground & Day Use Area	B-9

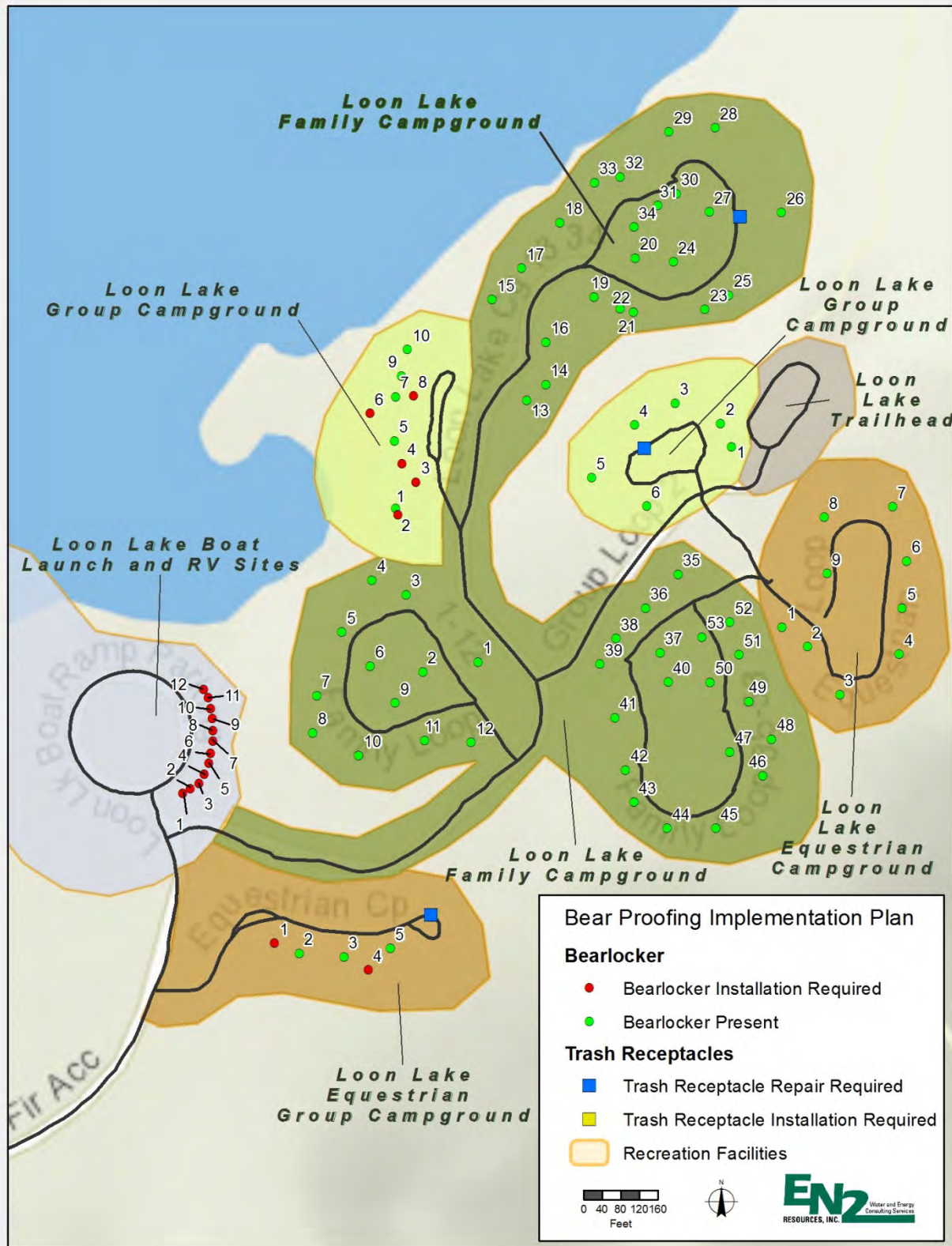
Union Valley Reservoir Area

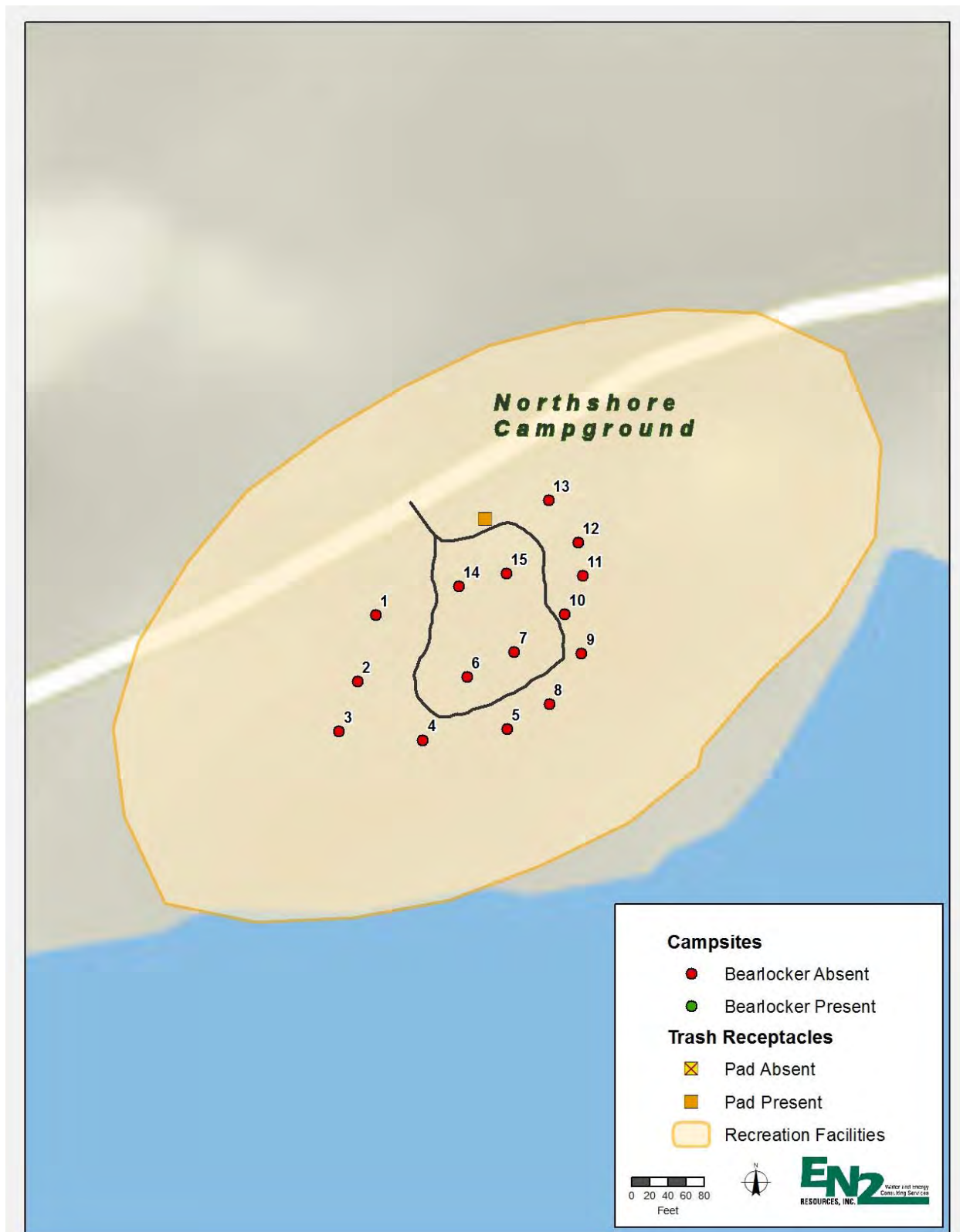
Azalea Cove Campground	B-11
Big Silver Group Campground	B-12
Camino Cove Campground	B-13
Fashoda Campground & Day Use Area	B-14
Jones Fork Campground	B-15
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Sunset Campground (east)	B-17
Sunset Campground (west)	B-18
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West Point Campground & Boat Launch	B-21
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Wolf Creek Group Campground	B-23
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Ice House Reservoir Area

Ice House Campground (west)	B-26
Ice House Campground (east)	B-27
Northwind Campground	B-28
Strawberry Point Campground	B-29

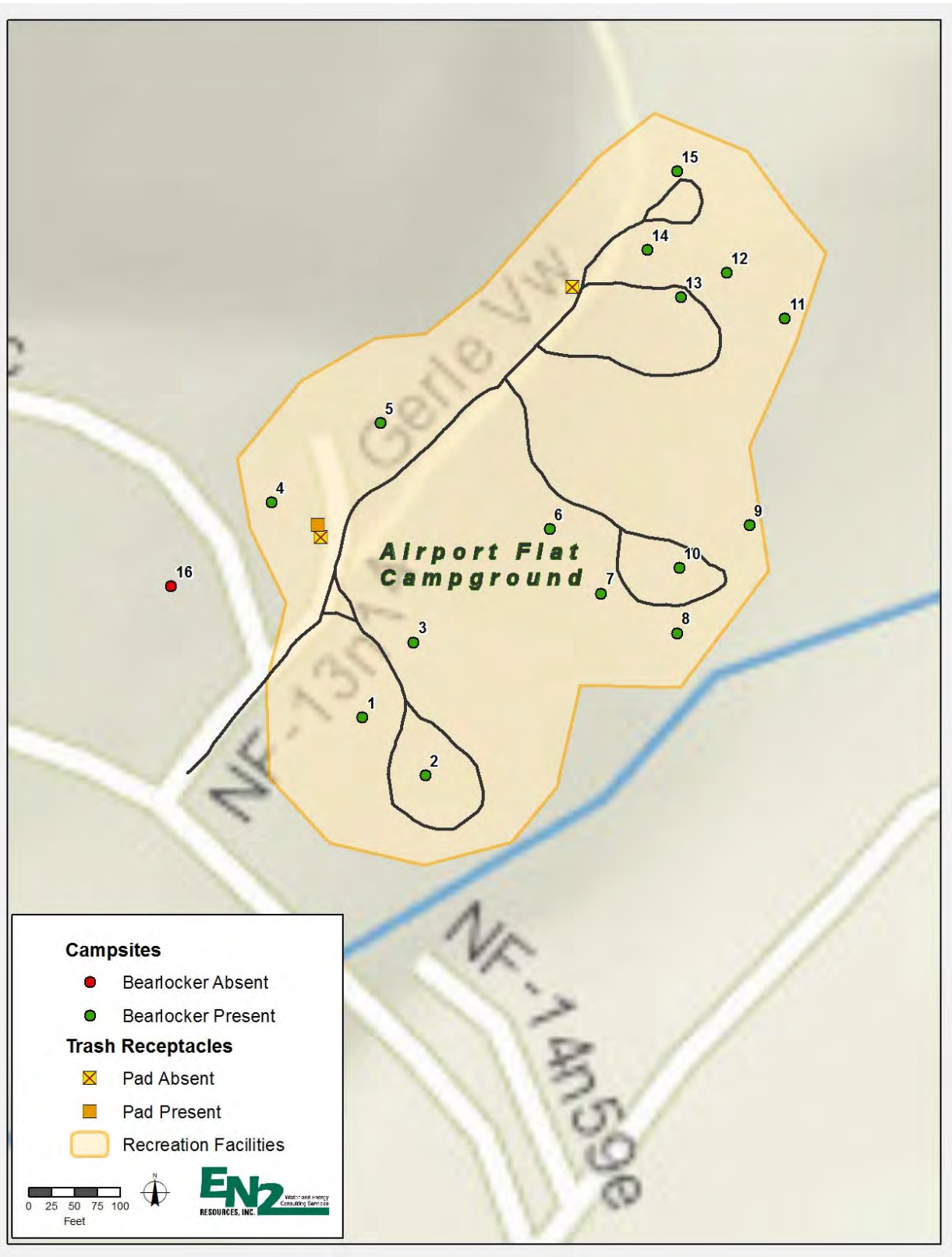
Loon Lake Area

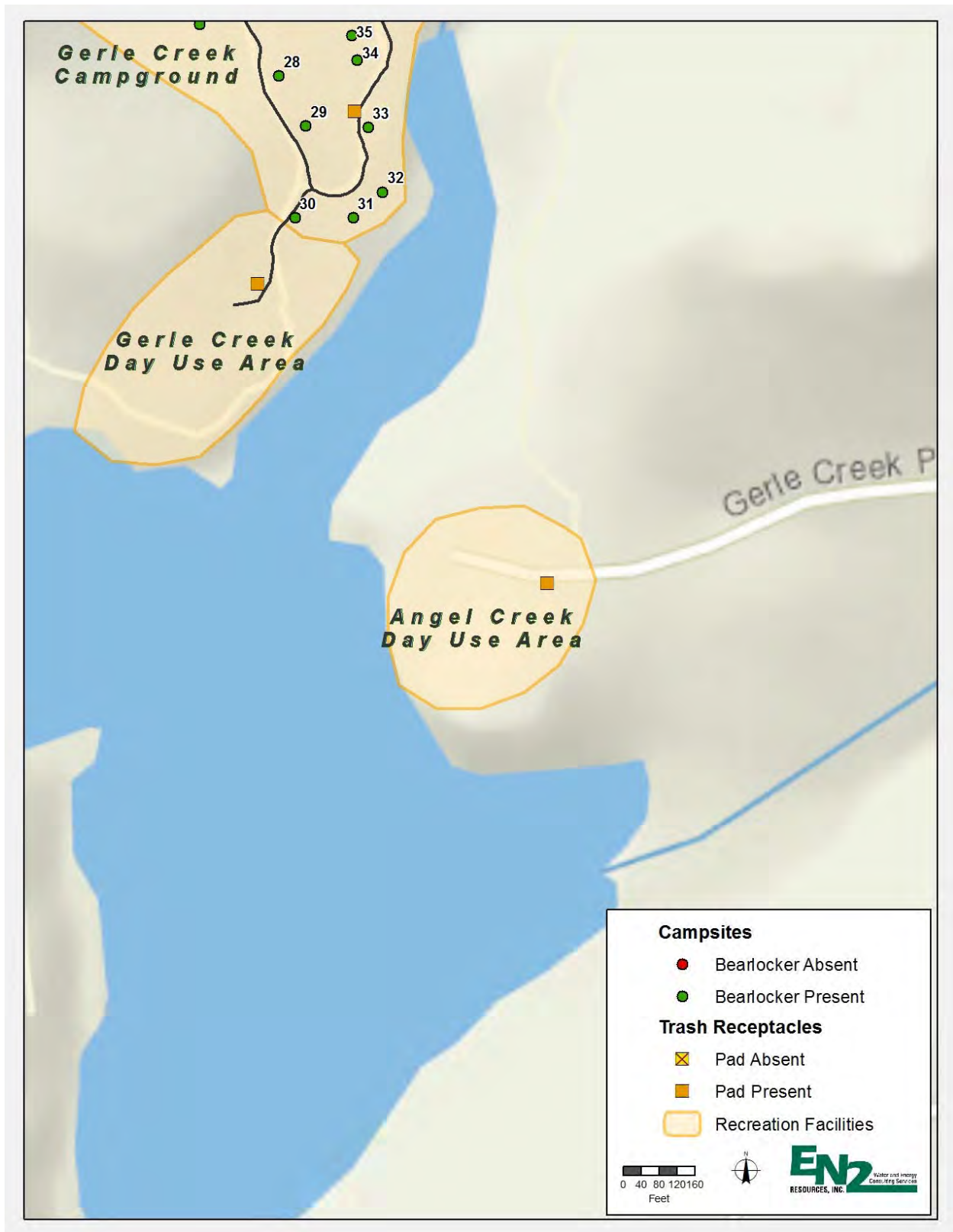


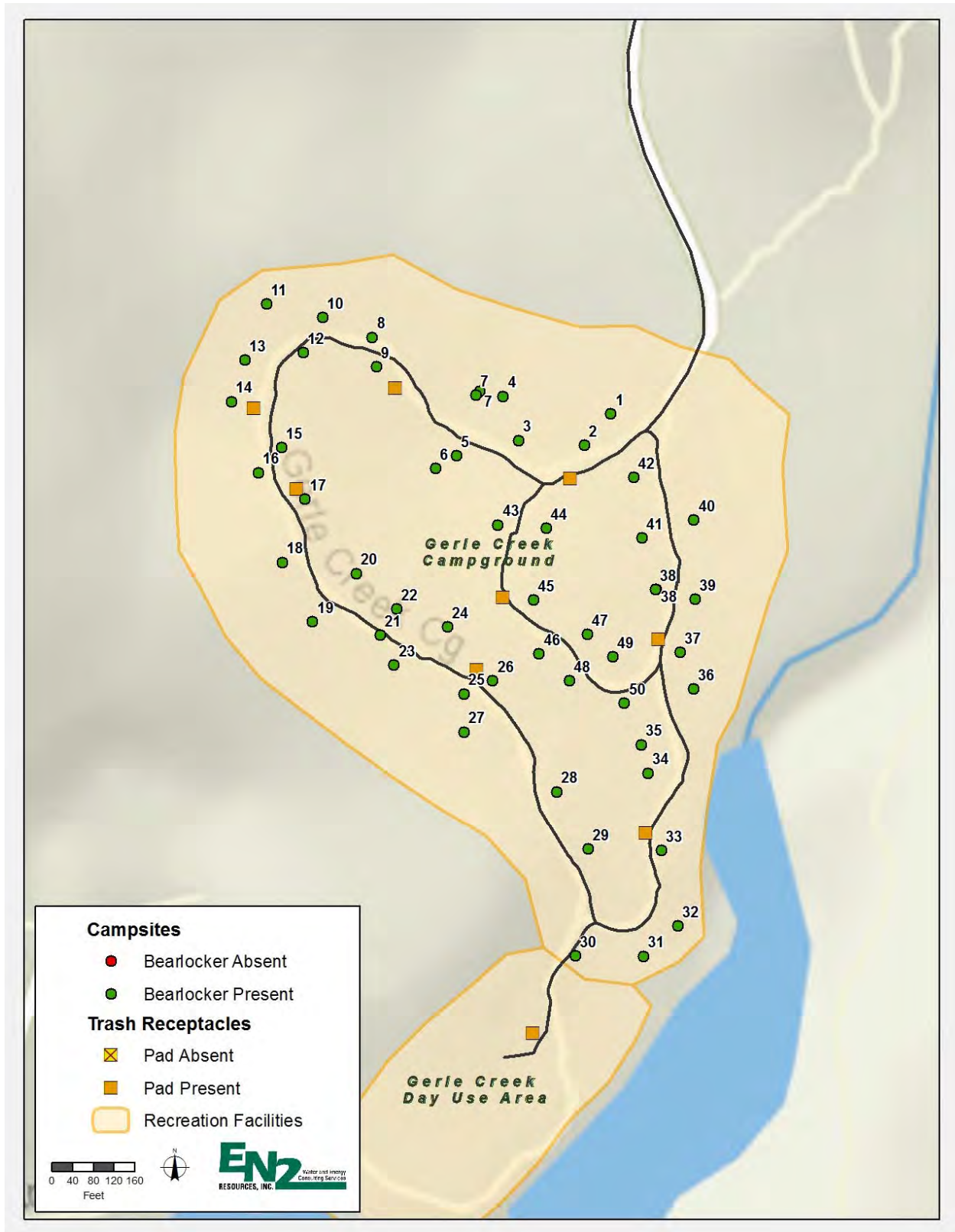




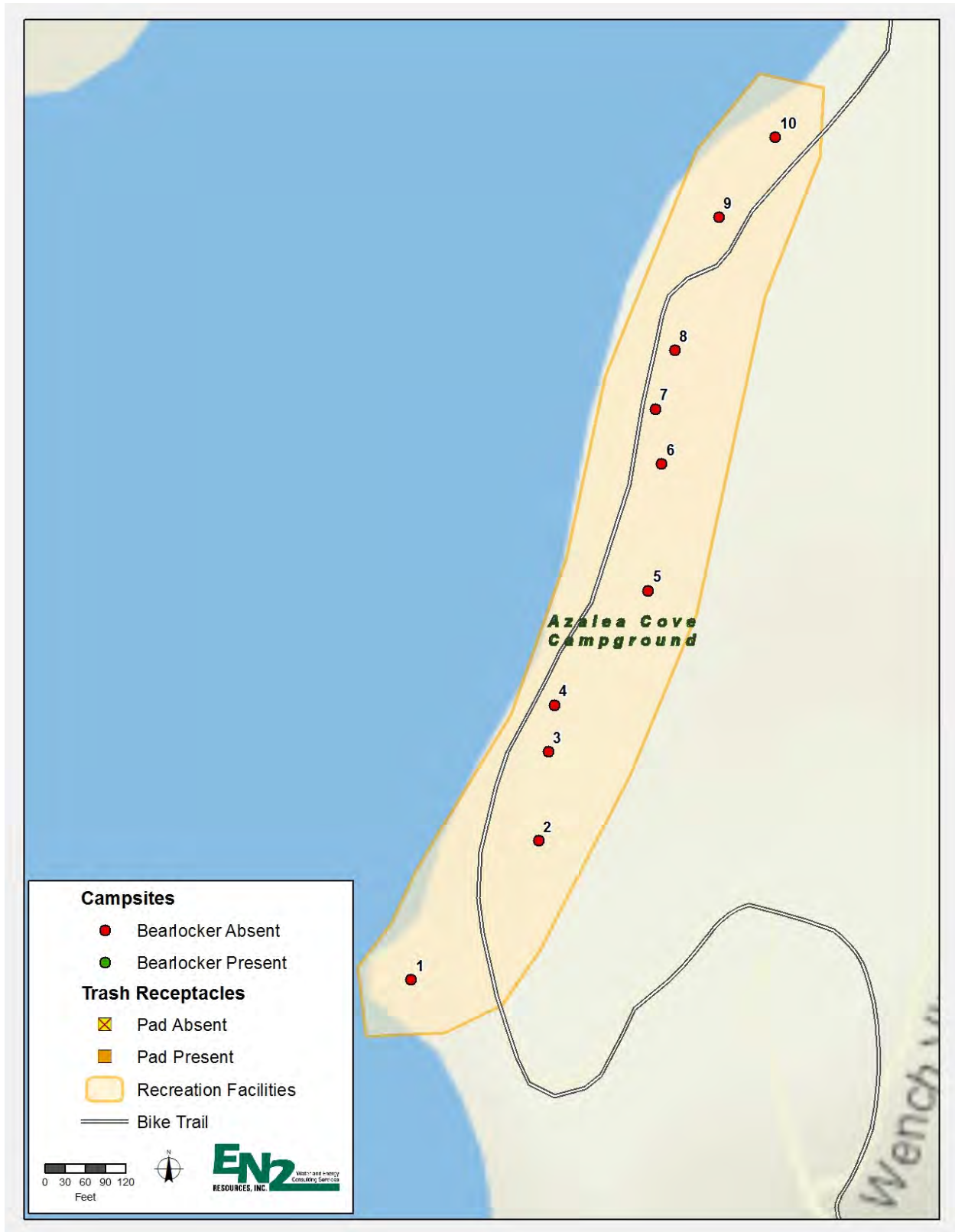
Gerle Creek Reservoir Area

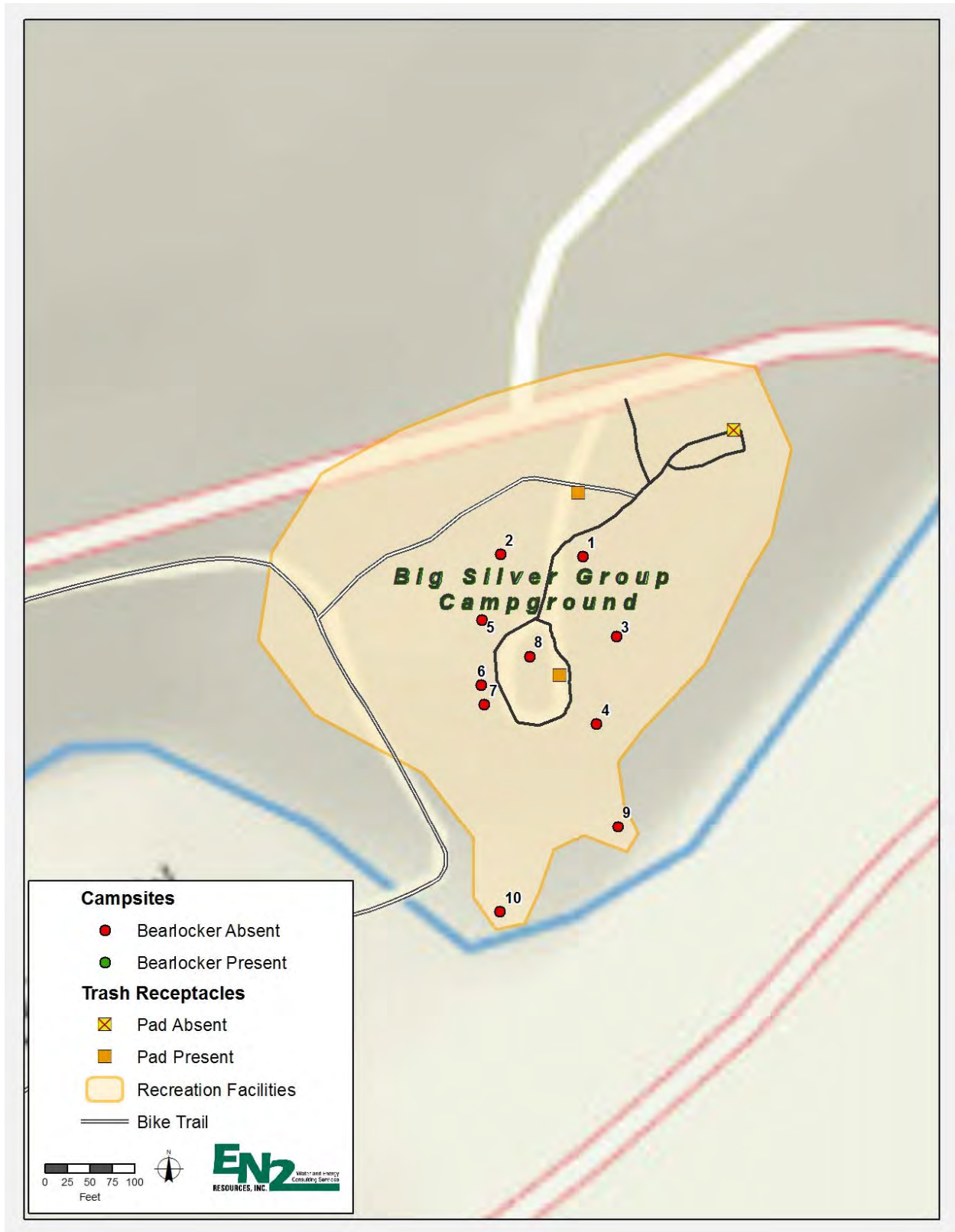


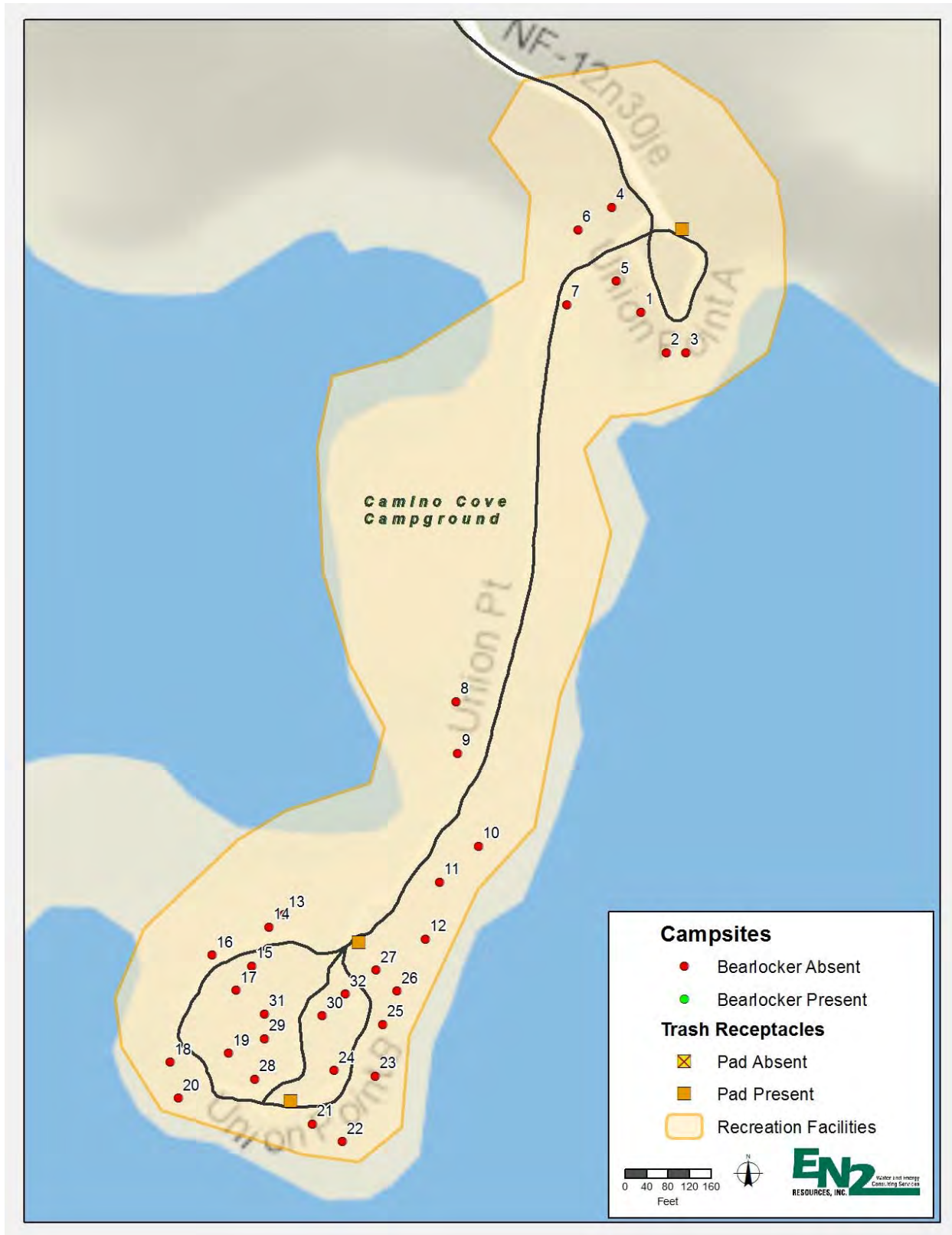


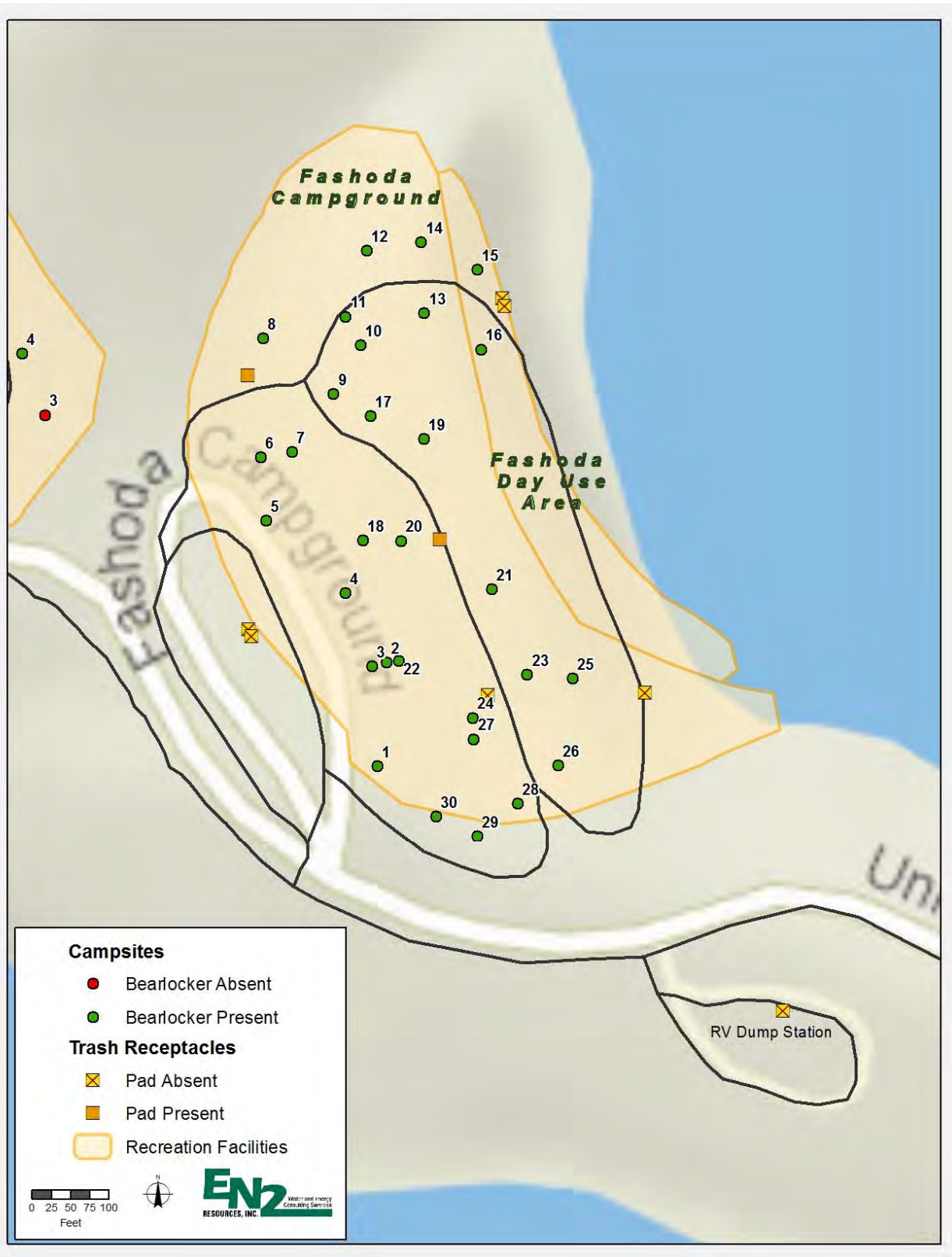


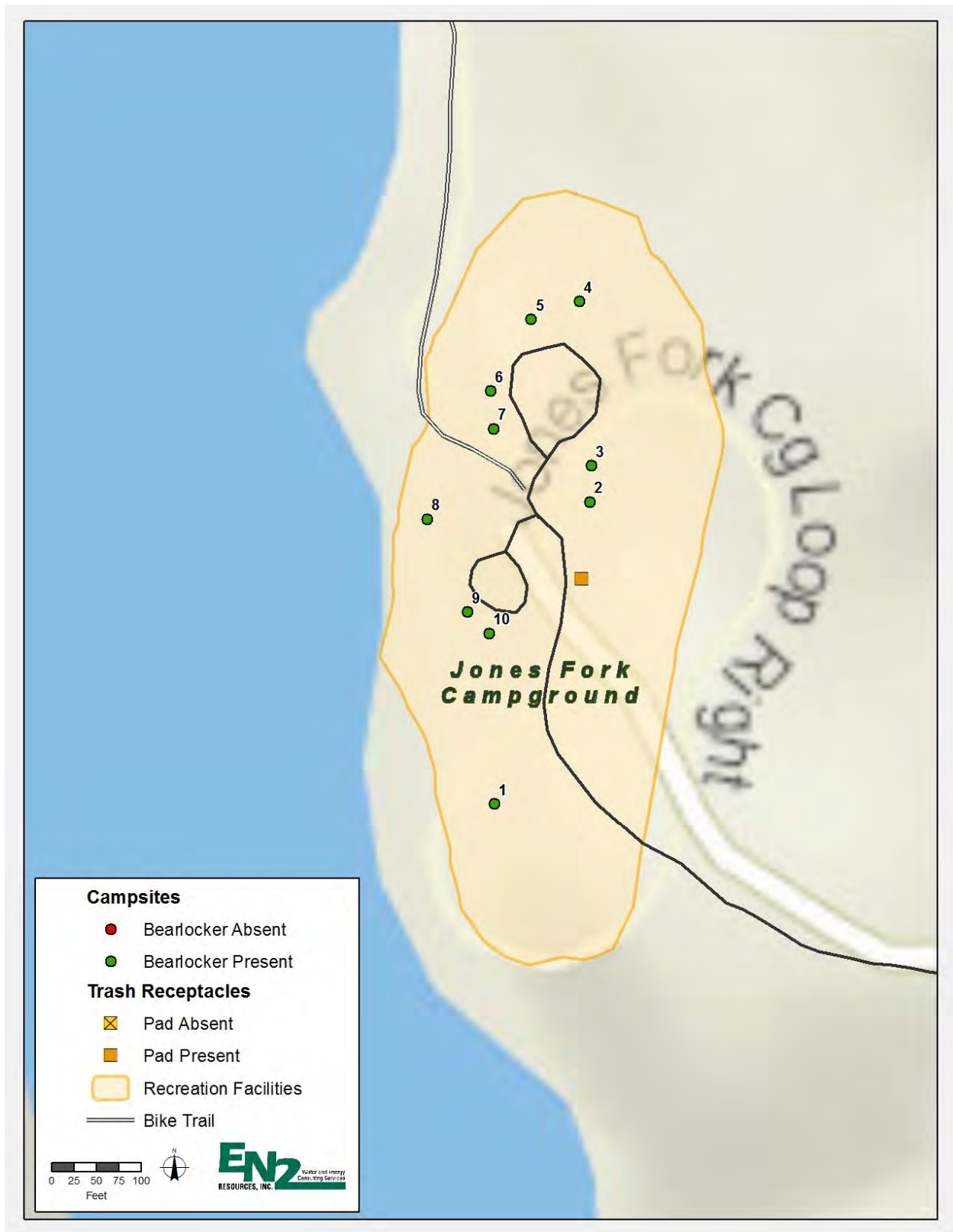
Union Valley Reservoir Area



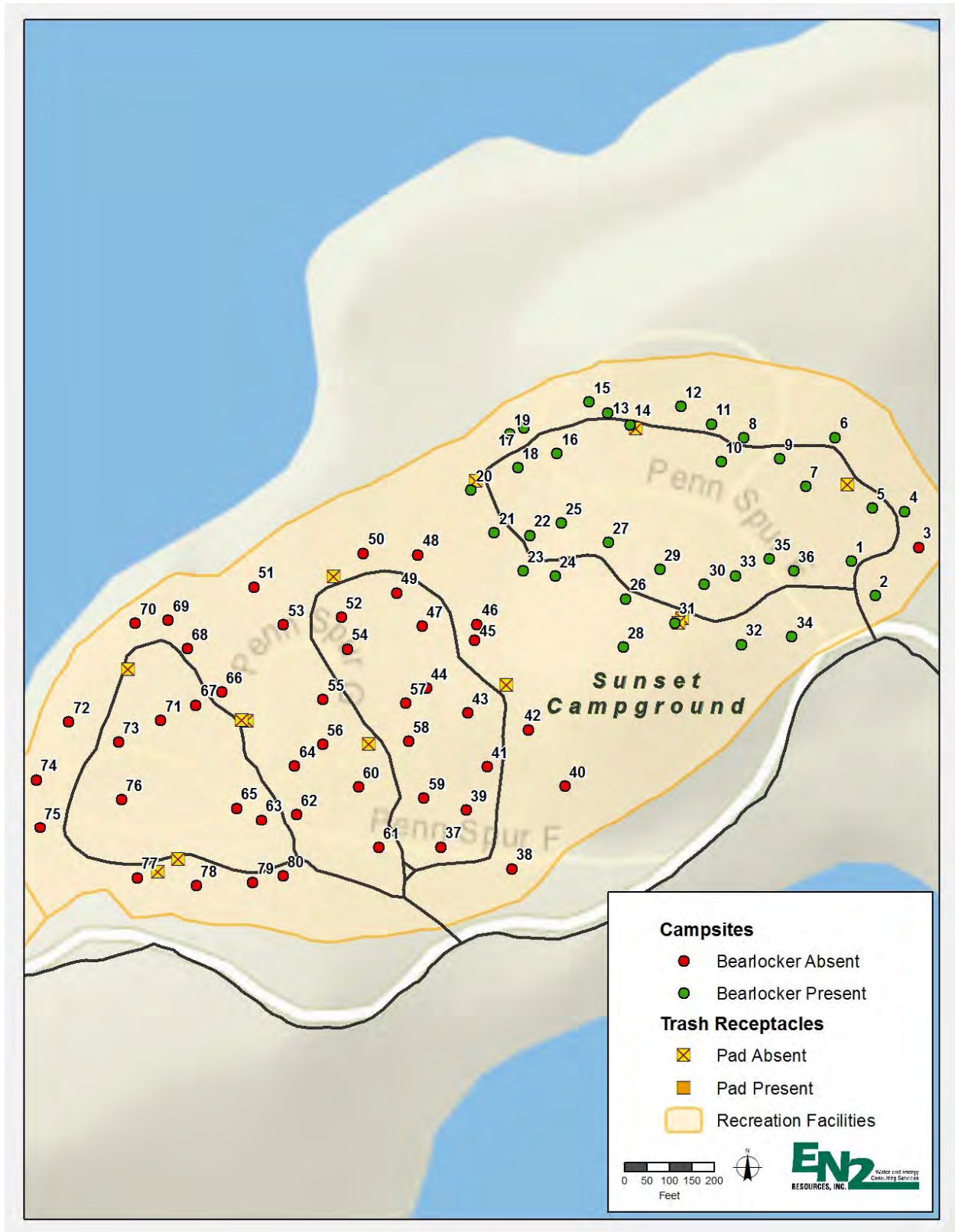


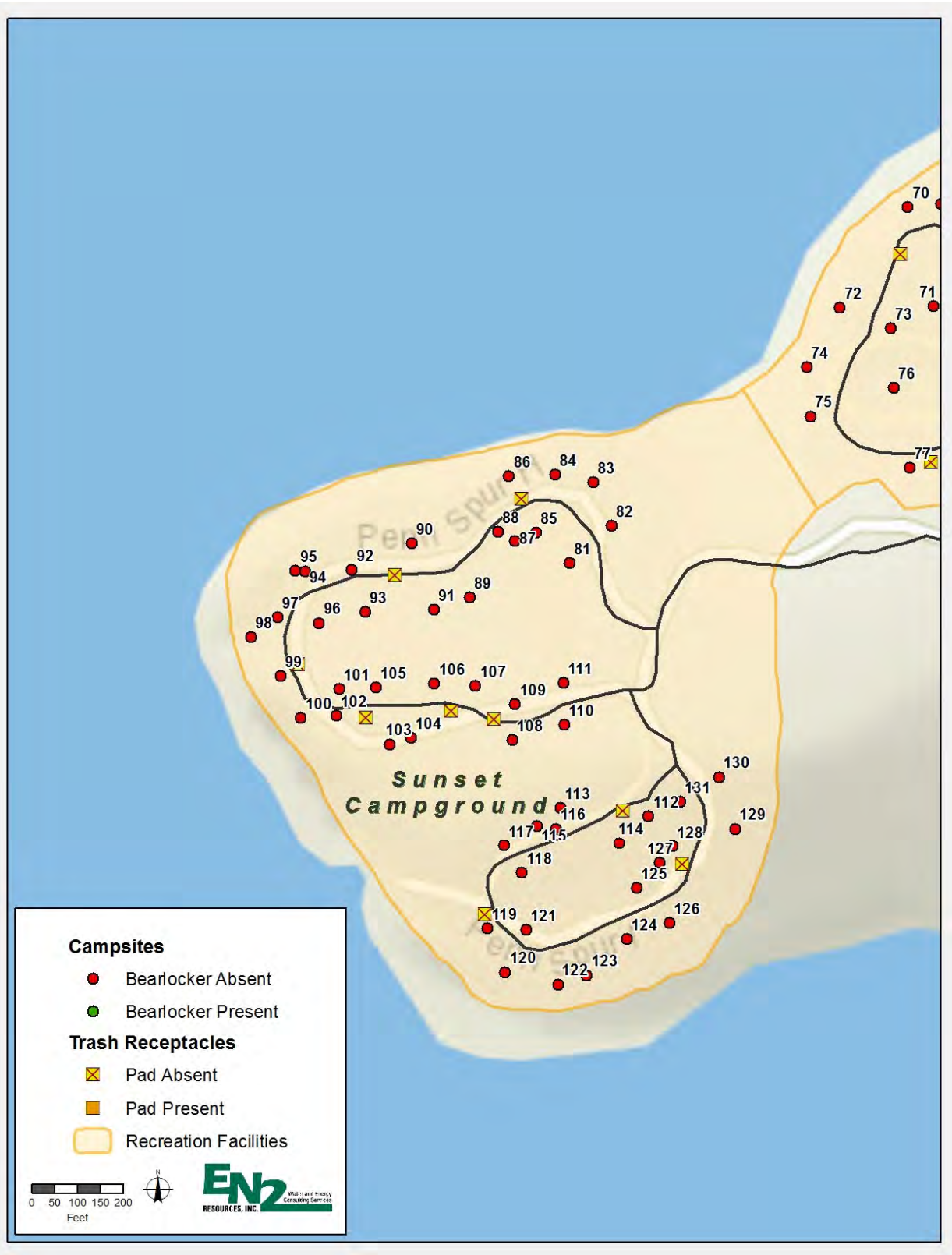


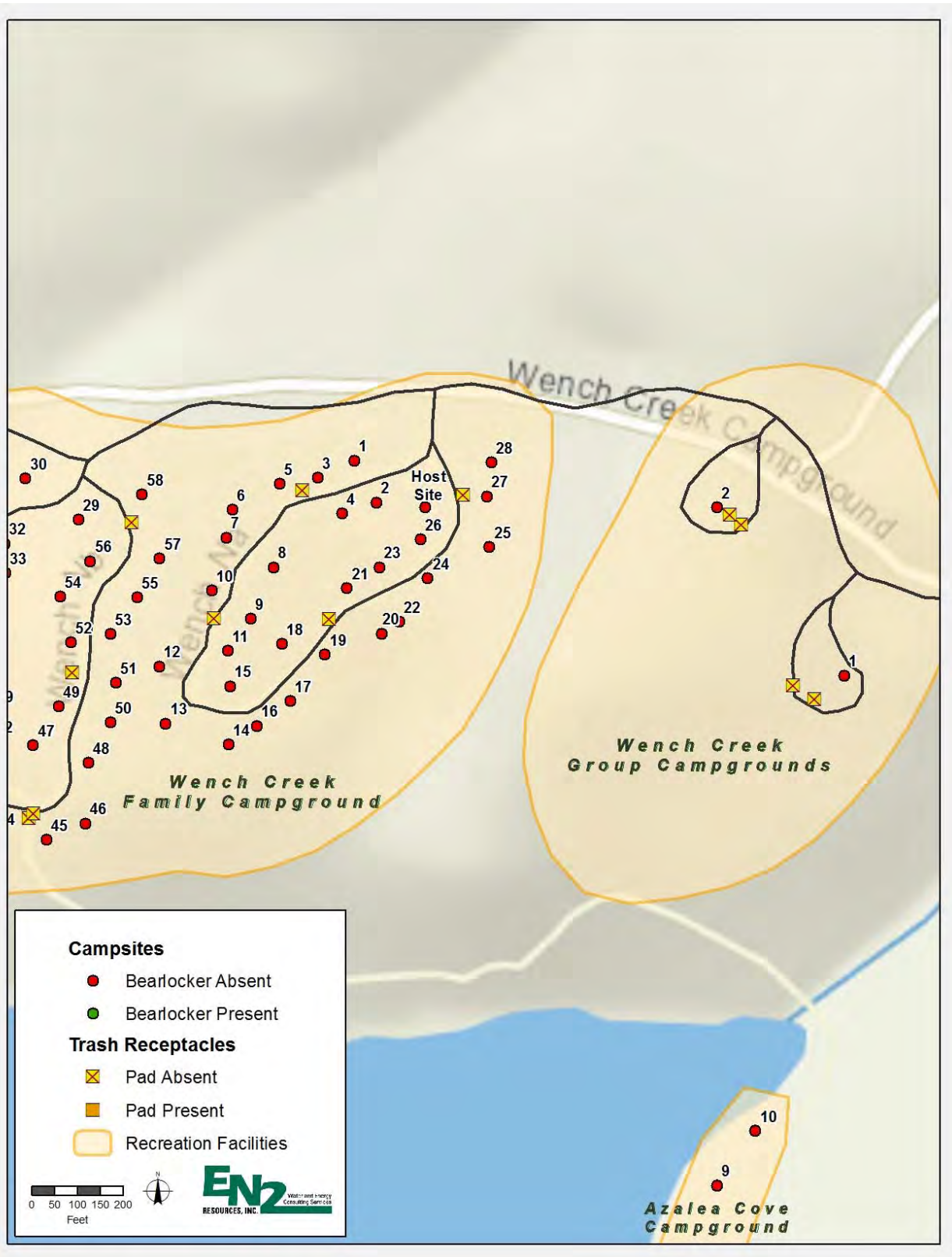


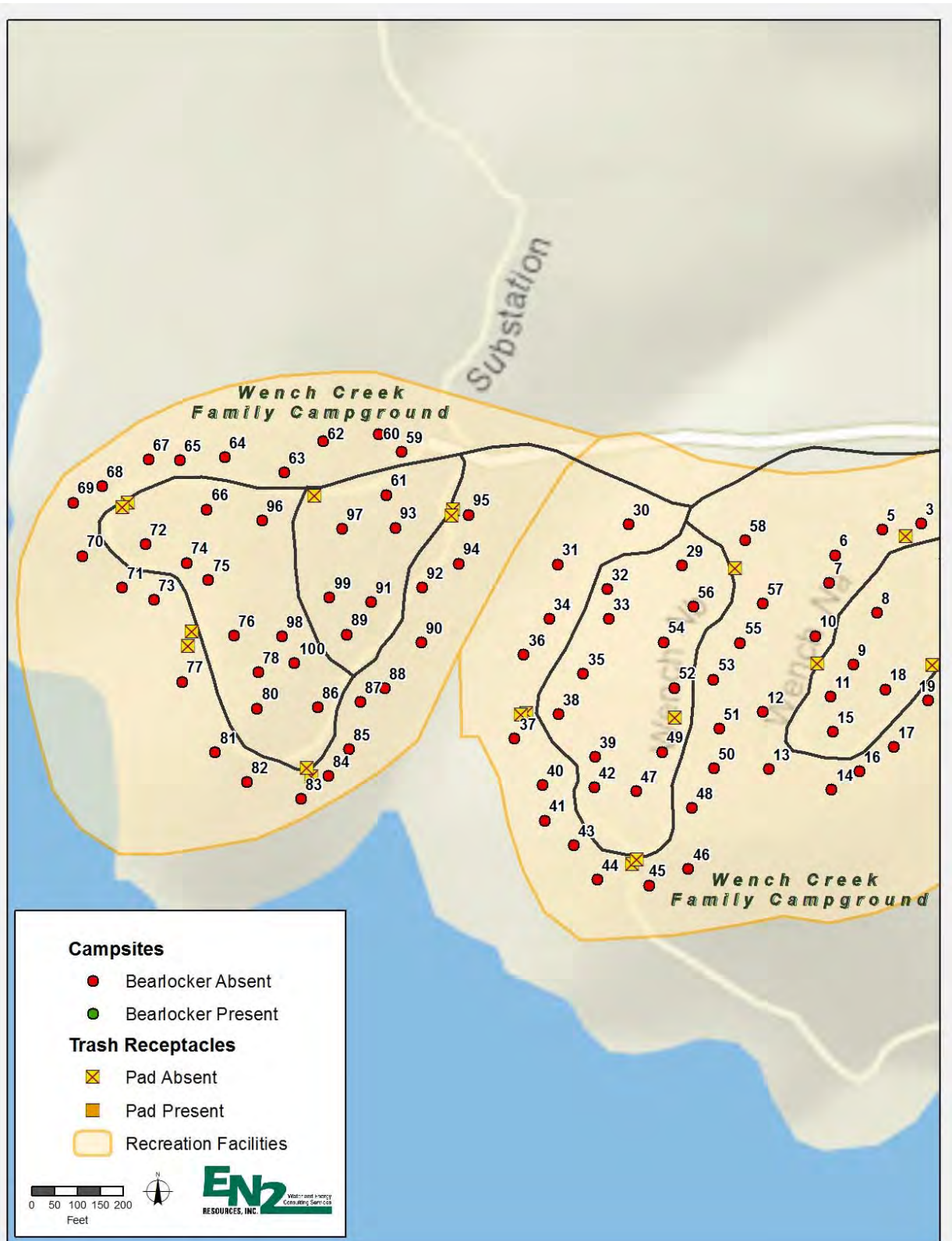


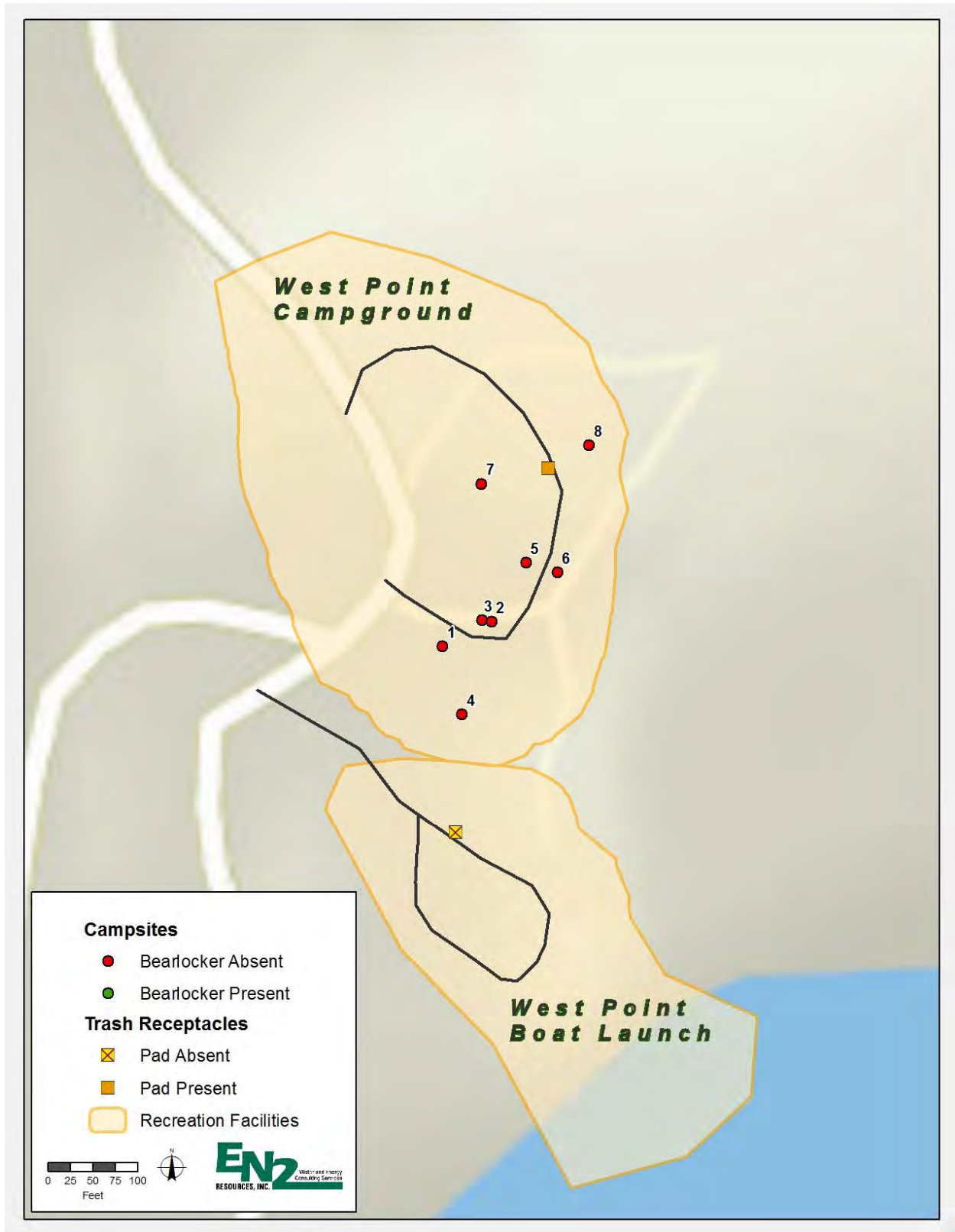


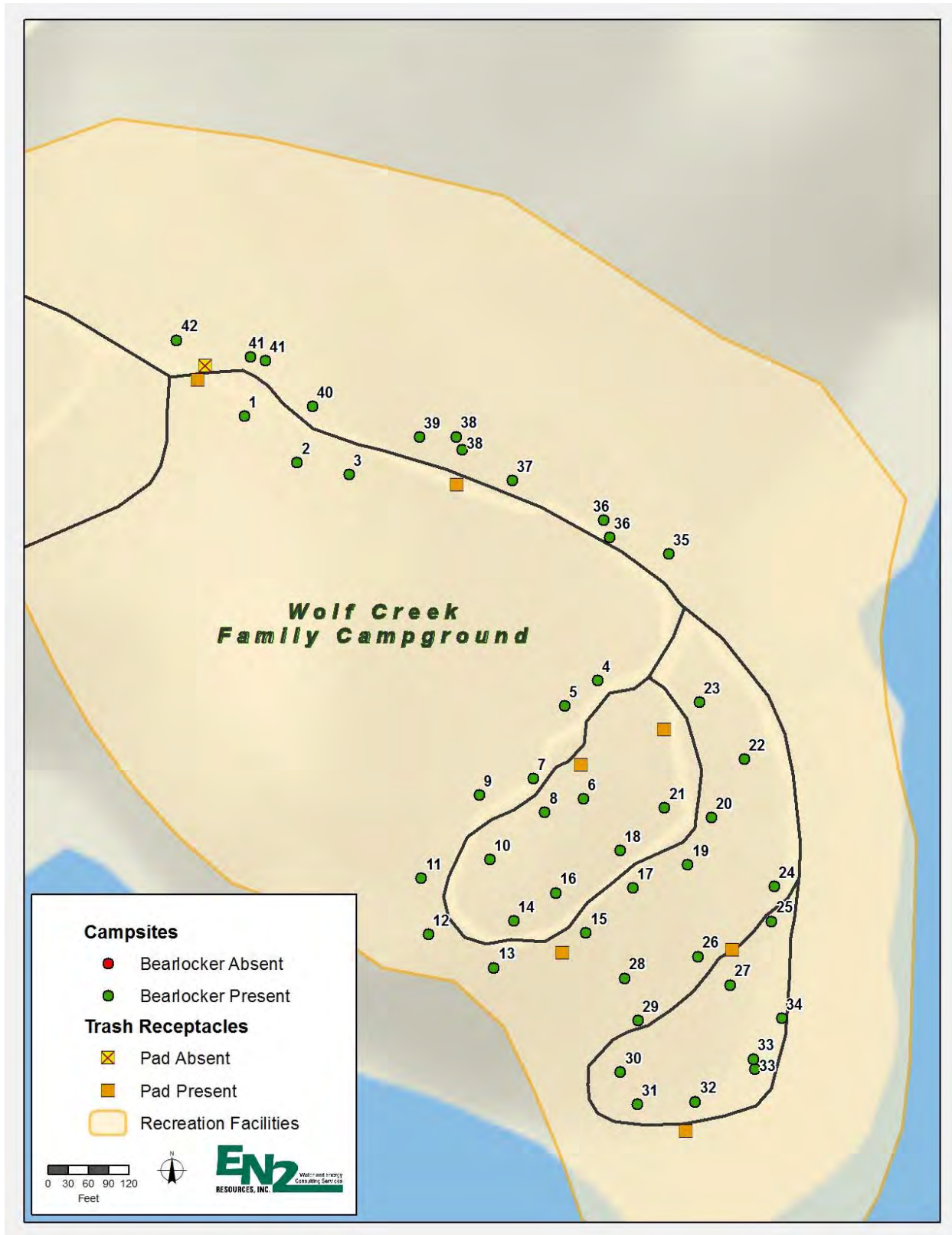


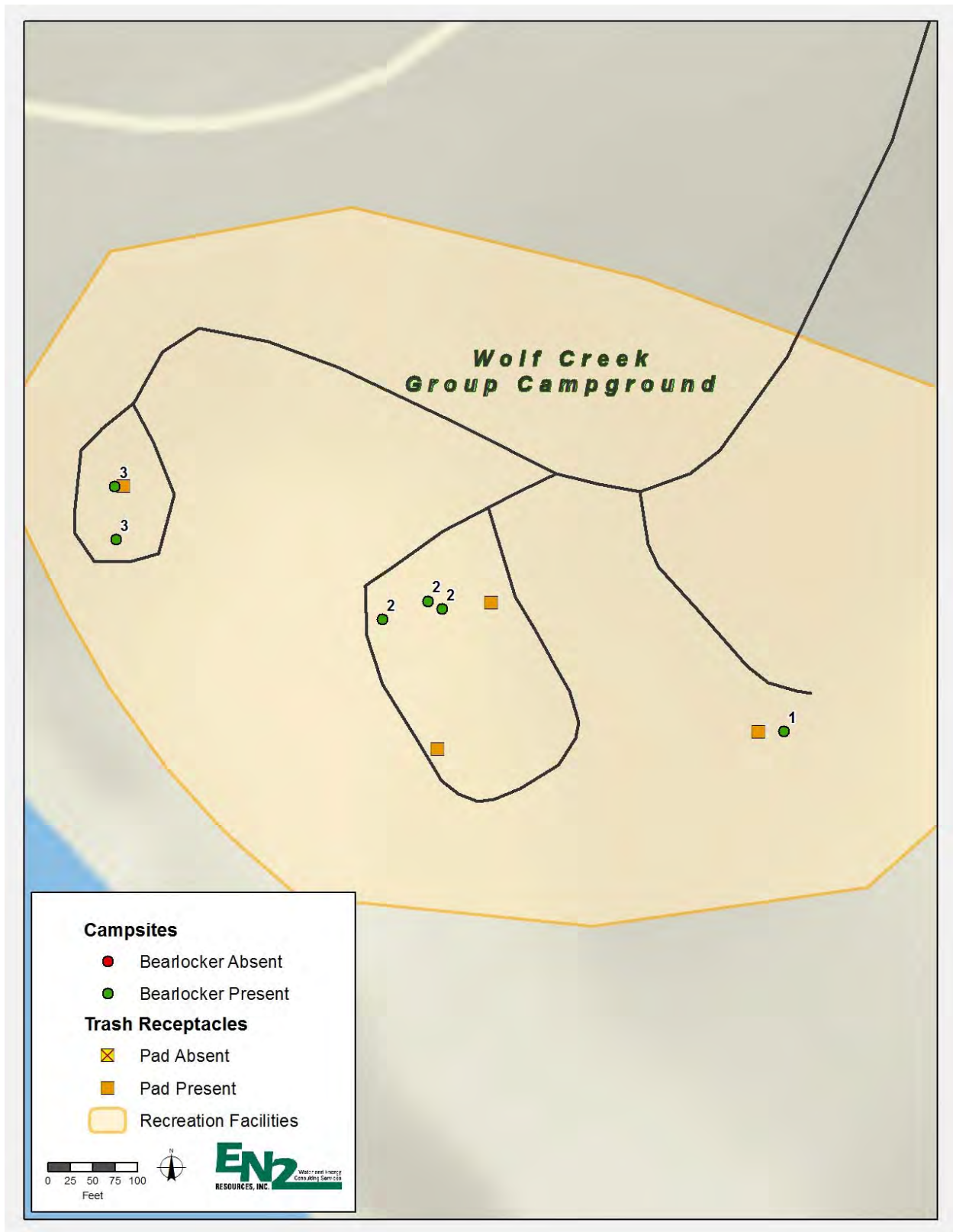


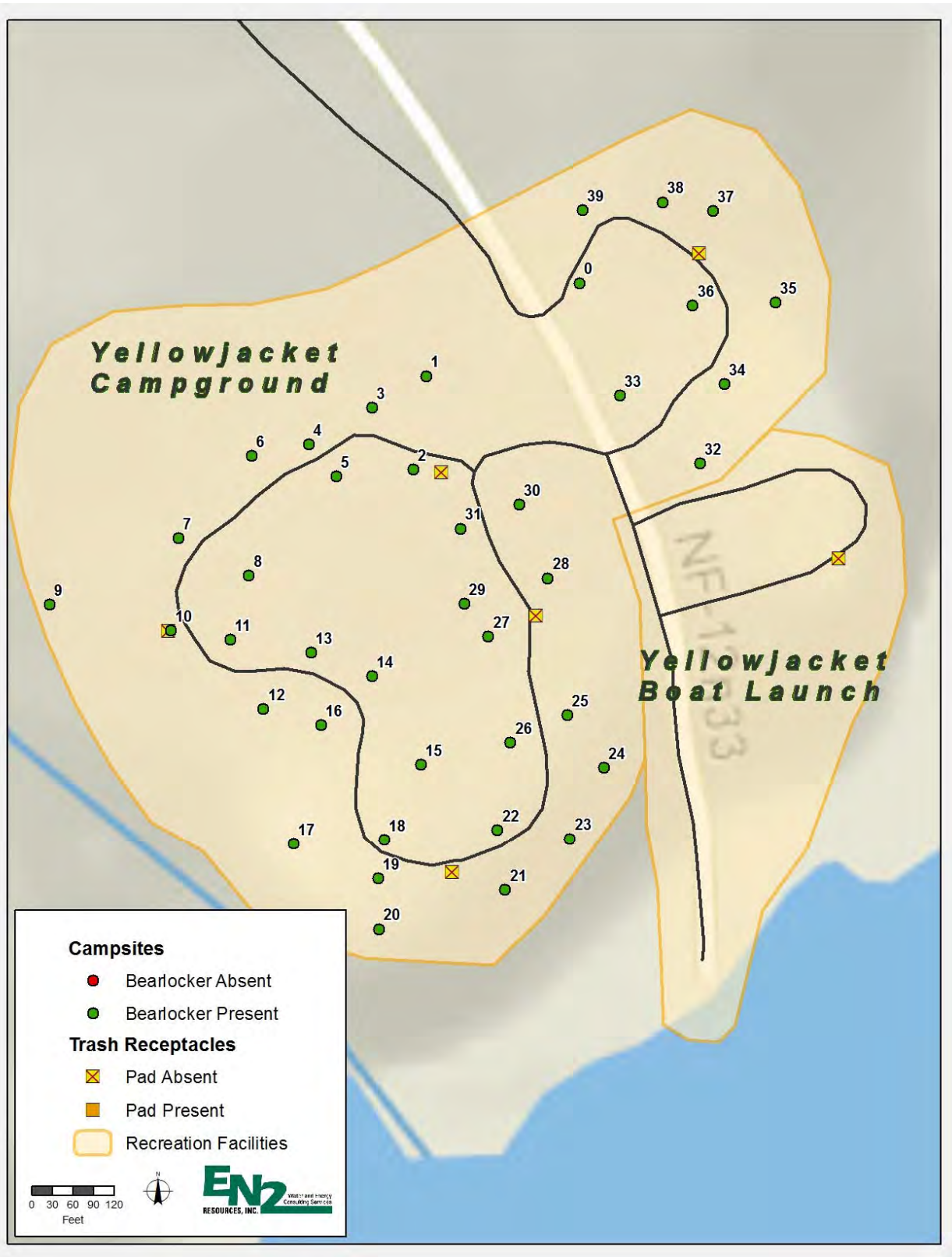




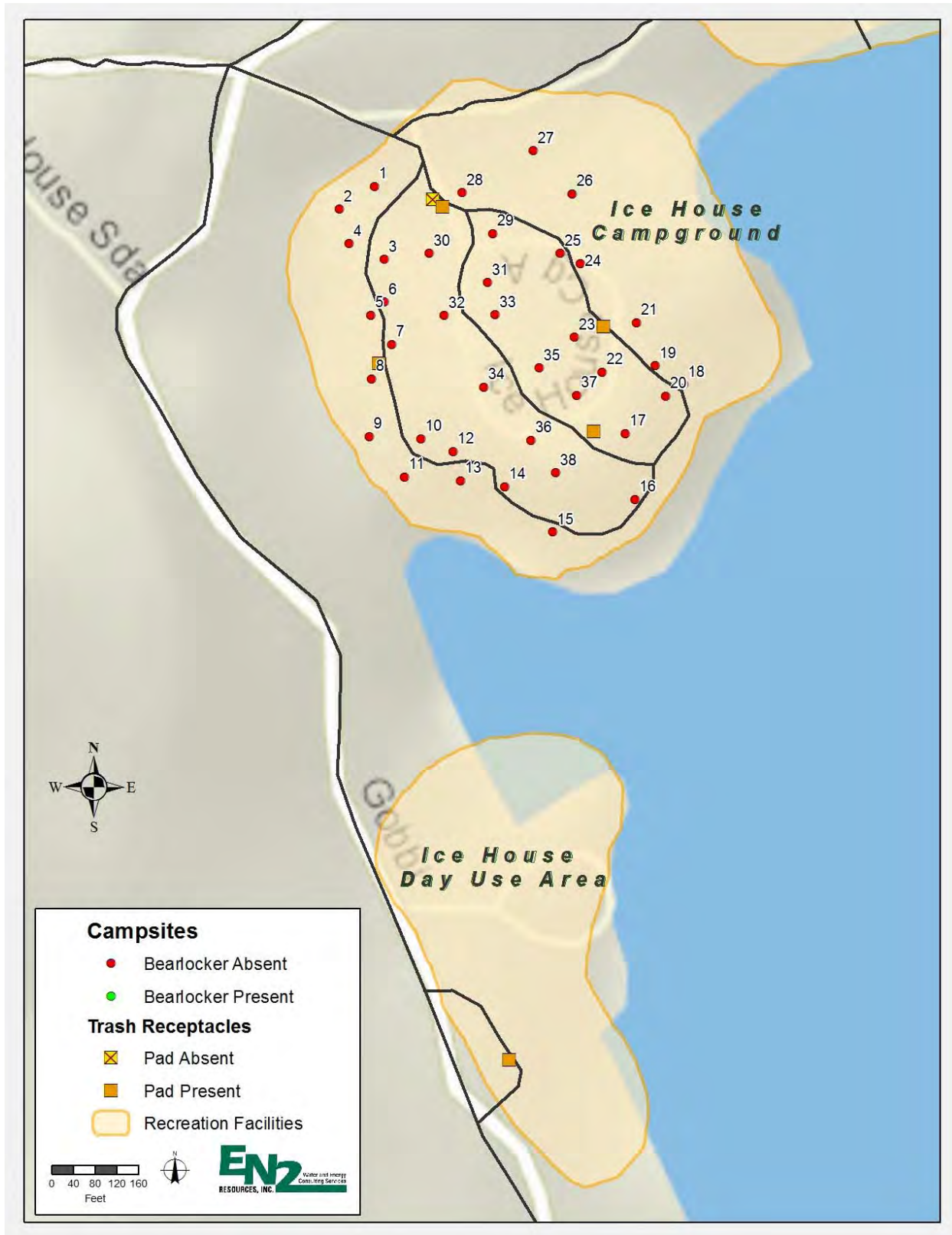


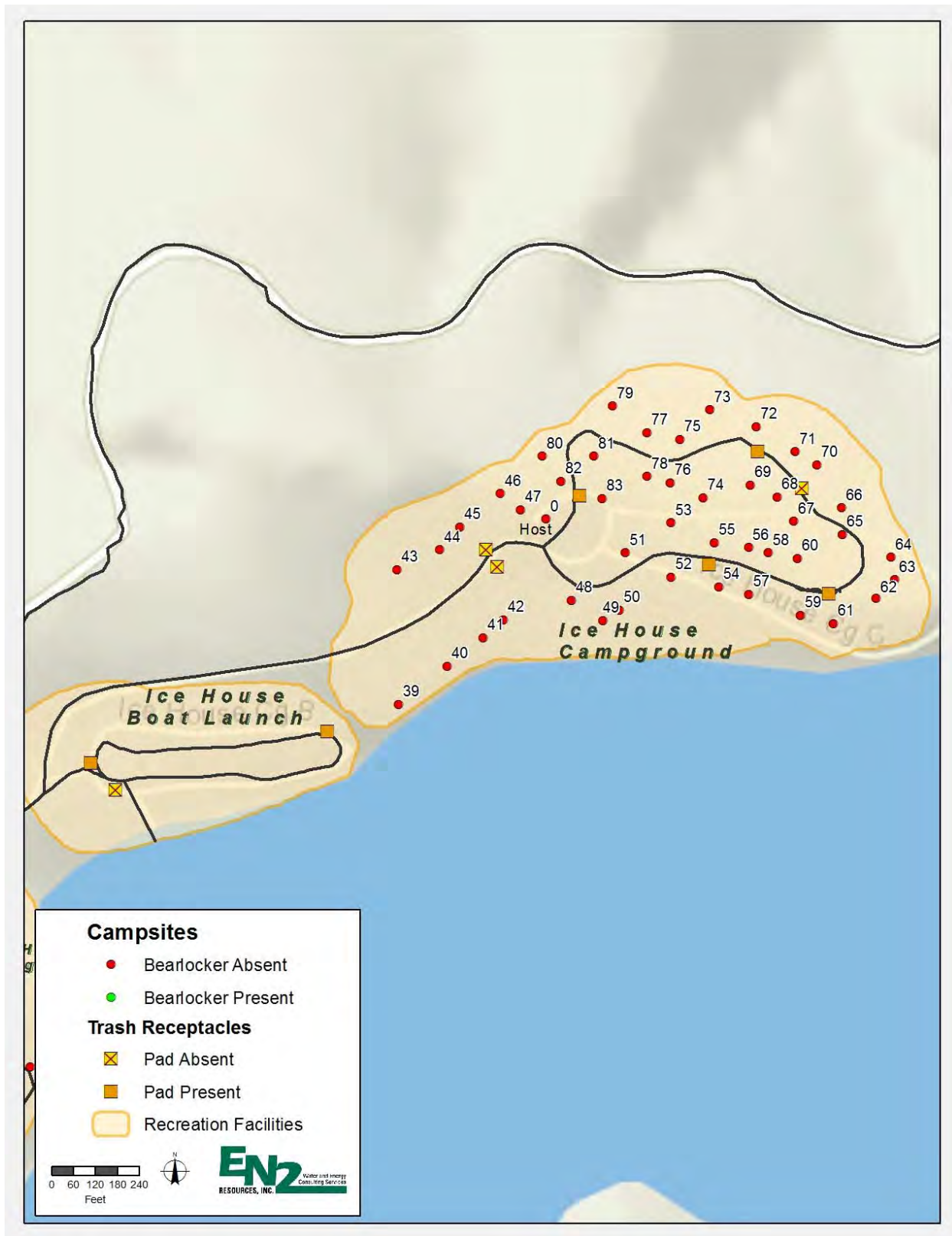




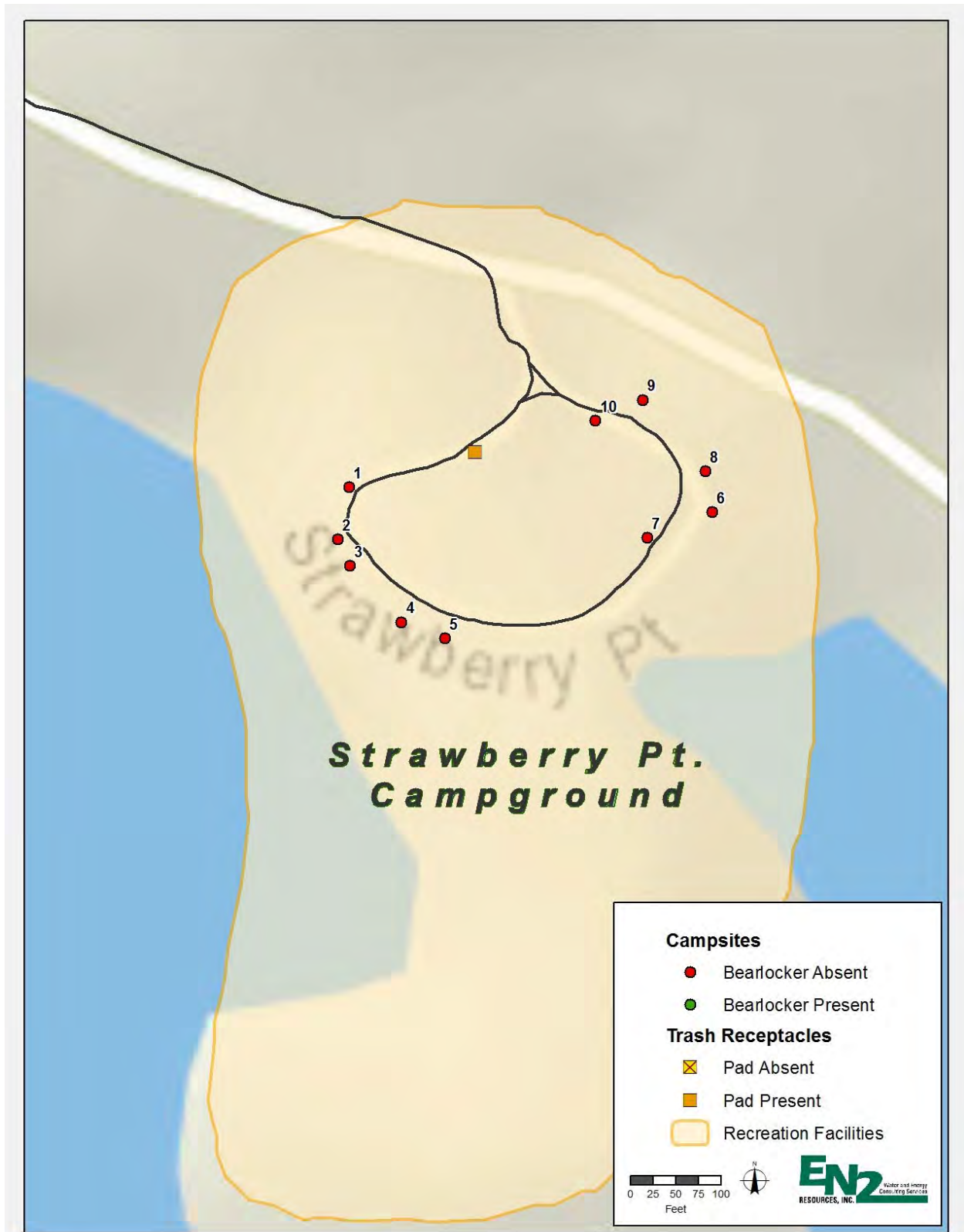


Ice House Reservoir Area









156 FERC ¶ 62,073
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Sacramento Municipal Utility District

Project No. 2101-129

ORDER APPROVING BEAR-PROOFING IMPLEMENTATION PLAN

(Issued July 27, 2016)

1. On July 8, 2016, the Sacramento Municipal Utility District, licensee for the Upper American River Hydroelectric Project No. 2101, filed a Bear-Proofing Implementation Plan, pursuant to Article 401 and the United States Forest Service 4(e) condition 45, of the project license.¹ The project is located on Silver Creek and the Rubicon and South Fork American rivers in El Dorado and Sacramento counties, California. The project occupies federal lands administered by the Bureau of Land Management and by the U.S. Forest Service (Forest Service) within the Eldorado National Forest.
2. Forest Service condition 45 states, in part, within 2 years of license issuance, the licensee must develop a plan to install bear-proof food storage lockers and bear-proof trash receptacles at all recreation facilities identified as lacking such equipment. The plan must include a schedule for installing the bear-proof equipment within five years of the U.S. Forest Service and the California Department of Fish and Wildlife approval of the plan.
3. The licensee's plan includes: 1) makes and models of proposed bear-proofing equipment; 2) a list of installation locations; 3) a map of each recreation site showing the existing conditions (i.e., the presence/absence of bear-proofing equipment); 4) tables detailing where repairs to the existing bear-proofing equipment are recommended; 5) cost estimates for installation and repair of the equipment; and 6) an implementation schedule.
4. The licensee provided the plan to the Consultation Group on March 28, 2016, for review and comment, as well as to the Forest Service and the California Department of Fish and Wildlife on May 31, 2016.² The licensee received approval of the plan from the

¹ Order Issuing New License (148 FERC ¶ 62,070), issued July 23, 2014.

² The Consultation Group includes all parties to the February 2007 Relicensing Settlement Agreement for this project and Chili Bar Hydroelectric Project; this includes: American Whitewater, American River Recreation Association, the Bureau of Land Management, California Parks and Recreation, California Fish and Wildlife, California
(continued ...)

necessary agencies and provided the approvals as part of its July filing. One consulting party raised a concern about the proposed timeline and potential for human-bear conflict until all equipment is installed; however they recognized that the equipment is only successful at minimizing conflict if used properly, and ultimately approved the plan.

5. The licensee's plan was approved by the Forest Service and the members of the Consultation Group and meets the requirements of Forest Service condition 45. This includes the need to have the bear-proof equipment in place within five years of the plans approval; the implementation schedule dictates that all equipment will be in place no later than year 2022. For additional clarification, the plan includes a table that provides specific completion years for each site. For these reasons the licensee's plan should be approved.

The Director orders:

(A) The Bear-Proofing Implementation Plan filed by the Sacramento Municipal Utility District, on July 8, 2016, pursuant to Article 401 of the project license and the United States Forest Service 4(e) condition 45, for the Upper American River Hydroelectric Project No. 2101, is approved.

(B) This order constitutes final agency action. Any party may file a request for rehearing of this order within 30 days from the date of its issuance, as provided in section 313(a) of the Federal Power Act, 16 U.S.C. § 8251 (2012), and the Commission's regulations at 18 C.F.R. § 385.713 (2015). The filing of a request for rehearing does not operate as a stay of the effective date of this order, or of any other date specified in this order. The licensee's failure to file a request for rehearing shall constitute acceptance of this order.

Robert J. Fletcher
Land Resources Branch
Division of Hydropower Administration
and Compliance

Outdoors, California Sportfishing Protection Alliance, Camp Lotus, Foothill Conservancy, Forest Service, Friends of the River, U.S. Fish and Wildlife Service, Department of the Interior, U.S. National Park Service, PG&E, Rich Platt, Hilde Schweitzer, Theresa Simsiman, and Sacramento Municipal Utility District.

Document Content(s)

P-2101-129.DOCX.....1-2