PART A - APPENDIX G: FACILITIES FIGURES PART A - APPENDIX H: DISPERSED RECREATION INVENTORY PART A - APPENDIX I: ACCESS INVENTORY PART A - APPENDIX J: ACCESS FIGURES

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix G Facility Figures

Initial Study Report

Prepared for

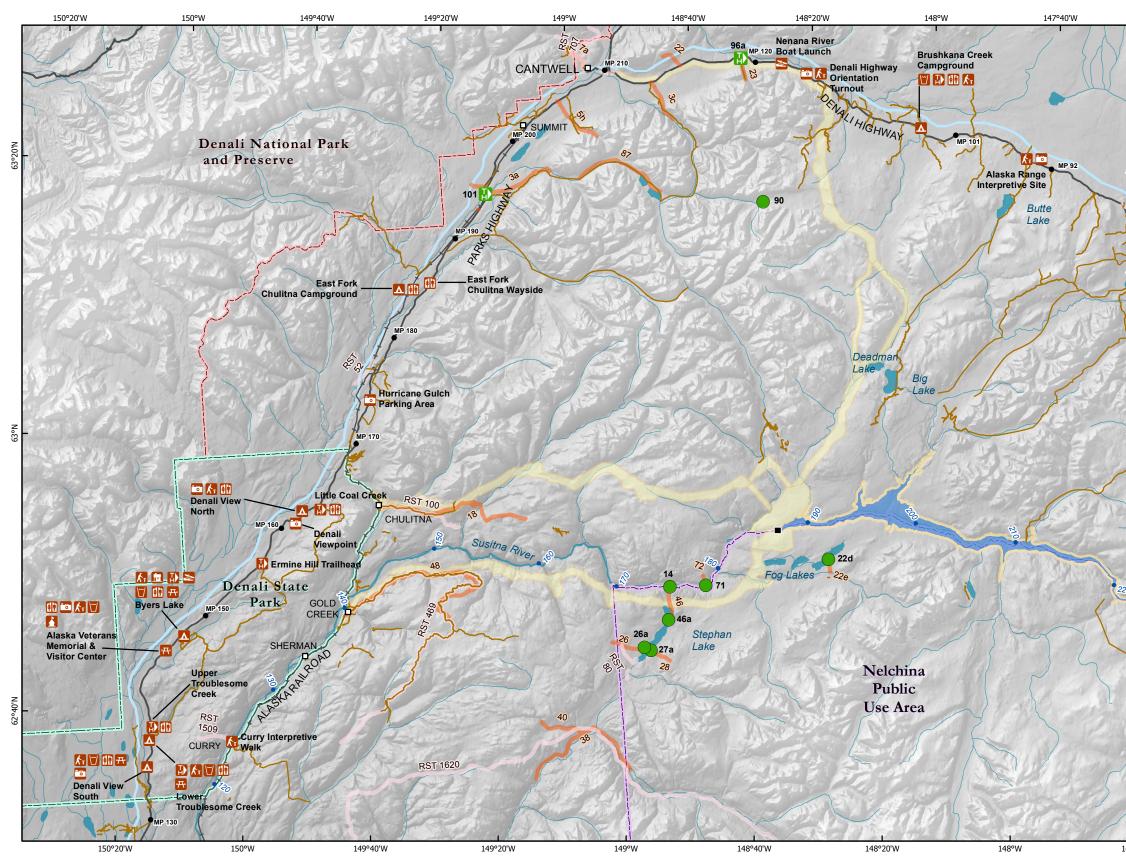
Alaska Energy Authority



Prepared by

URS Corporation

June 2014

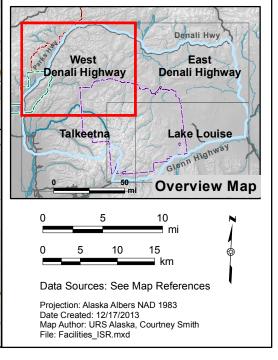


Susitna-Watana Hydroelectric Project FERC Project No. 14241

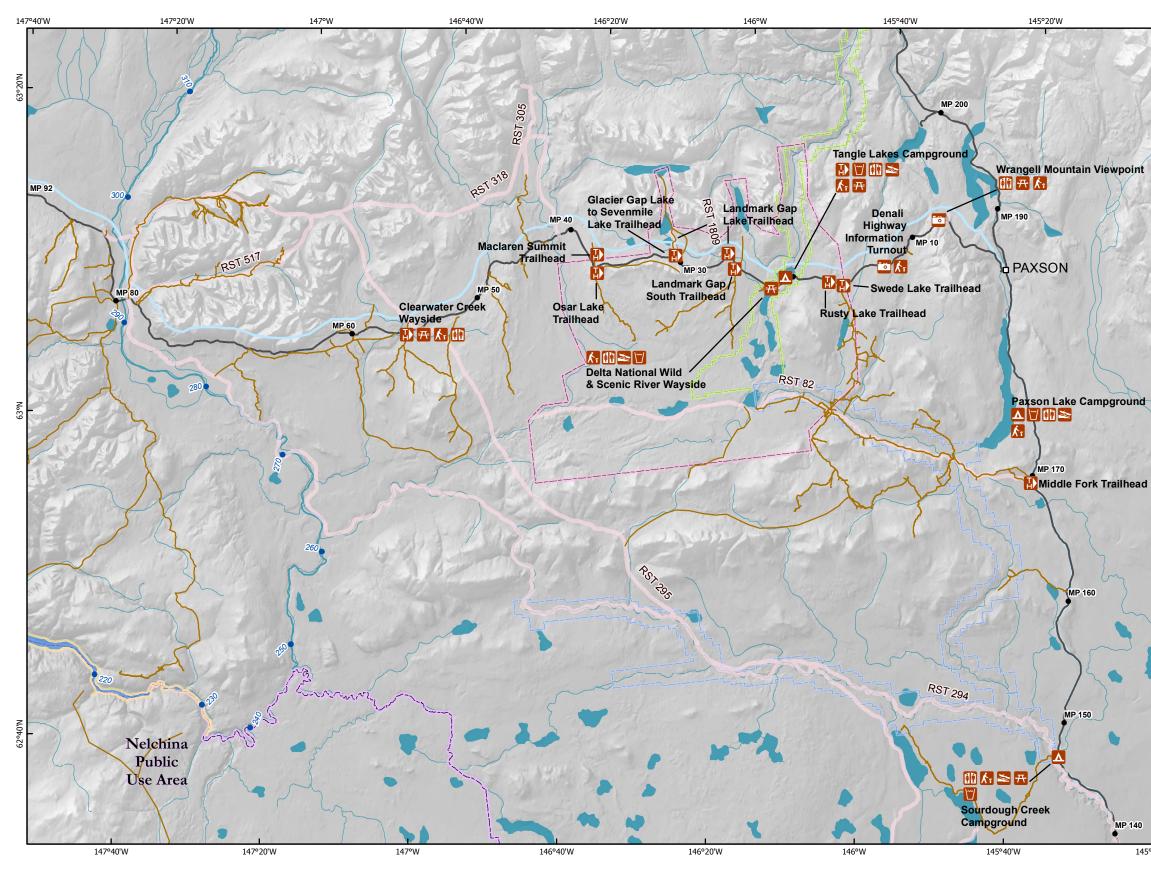


Disclaimer: Some map attributes may be located on private lands; this study report is not intended to suggest that the recreating public is authorized to access these lands for recreation purposes.

West Denali Highway



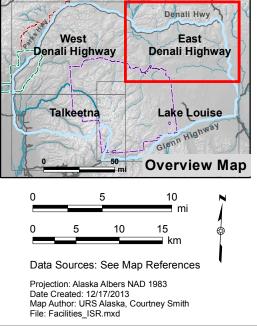
147°40'W



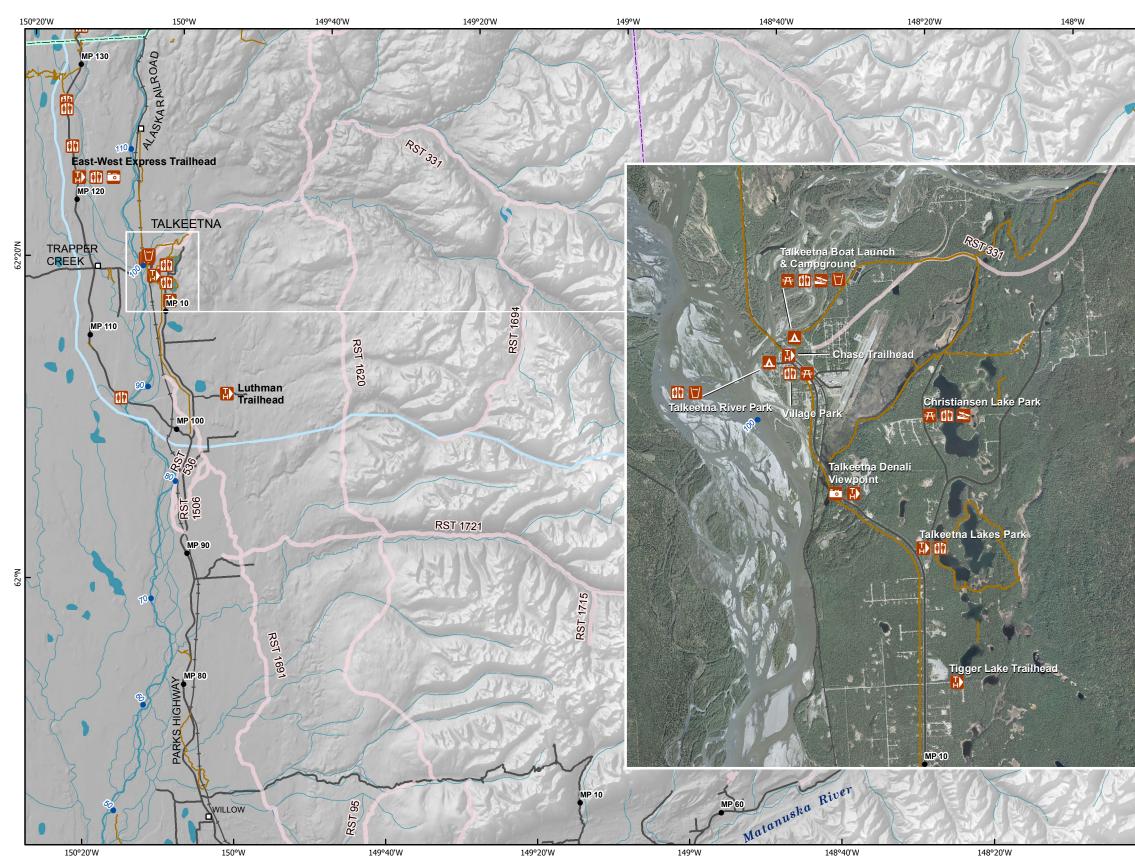


Disclaimer: Some map attributes may be located on private lands; this study report is not intended to suggest that the recreating public is authorized to access these lands for recreation purposes.





145°20'W

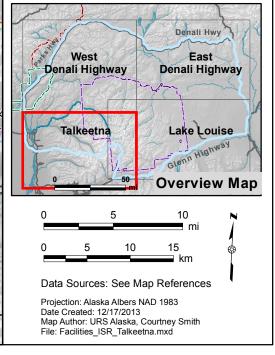


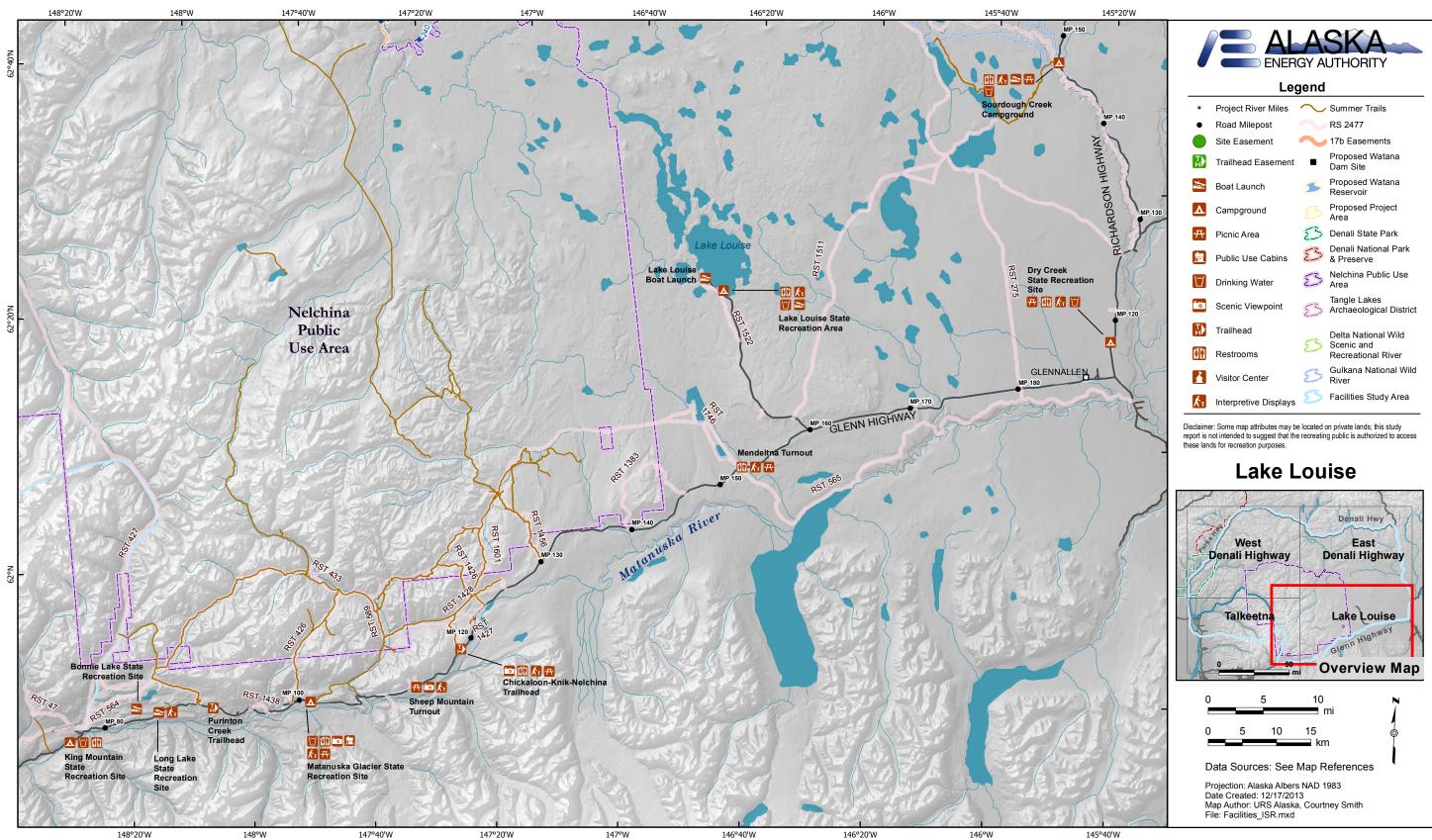
Susitna-Watana Hydroelectric Project FERC Project No. 14241



Disclaimer: Some map attributes may be located on private lands; this study report is not intended to suggest that the recreating public is authorized to access these lands for recreation purposes.

Talkeetna





Susitna-Watana Hydroelectric Project FERC Project No. 14241



Map References:

| Data Source | Date | File Name and Description |
|-----------------|------------|--|
| URS Corporation | 11/18/2013 | REC_Facilities: Recreation facilities including campgrounds, trailheads, boat launches, and day use areas. |
| URS Corporation | 11/22/2013 | Rec_Facilities_Index: Index page for ESRI Data Driven Pages for Facilities figures. |
| URS Corporation | 11/19/2013 | REC_RS2477: Easements with a State of Alaska RS 2477 designation. |
| URS Corporation | 6/4/013 | REC_17b_Easements: Easements with an ANCSA 17(b) designation. |
| URS Corporation | 11/19/2013 | REC_17b_Site_Easements: 17b site easements relevant to recreation and the Study Area. |
| URS Corporation | 11/20/2013 | REC_Summer_Trails: Trail compilation for the Study Area. From URS digitized trails, ADNR USGS 63,360 Trailset, BLM trails, MSB trails, and executive interviews. |
| URS Corporation | 6/4/013 | REC_StudyArea_Facilities: The spatial extent of the study area for existing public recreation facilities and carrying capacity analysis. |
| BLM | 5/24/2005 | BLM_WSRP: Corridors representing rivers of Wild and Scenic Designation. |

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix H Dispersed Recreation Inventory

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

URS Corporation

June 2014

1. DISPERSED RECREATION SITES: INVENTORY RESULTS

Data on dispersed recreation sites within the Recreation Facilities Area were collected along the Denali Highway during the 2013 summer field season. During this effort, overnight dispersed recreation sites were tallied and inventoried by category according to the sampling methods described in Section 4.5. Characteristics of each category (Occasional Use Sites and Well-used Sites) are shown in Table H-1. In total, 170 sites were tallied, and 40 sites were inventoried in detail. Seventeen percent of Occasional Use Sites (25 of 151), and 79 percent of Well-used Sites (15 of 19) were inventoried (Table H-2). Evidence of camping at a site, typically identified by a fire ring, was used as an indicator of overnight dispersed recreation use; many sites also had evidence of off-trail ATV use. Table H-3 shows the proximity of inventoried sites to features such as a trail, river, lake, or the Denali Highway. All inventoried sites were within 1000 feet of the Denali Highway; 96 percent of Occasional Use Sites and 80 percent of Well-used Sites were within 10 feet of the highway. Twenty-four percent of Occasional Use Sites and fifty-three percent of Well-used Sites were within 100 feet of a trail. Twenty-eight percent of Occasional Use Sites and 13 percent of Well-used Sites were within 1,000 feet of a river or lake.

Figure H-1 shows the size of the disturbed camping area, the estimated area for primary camping activities, at inventoried sites. As shown, the relationship between the size of the disturbed camping area and the class is consistent with expectations. For Occasional Use Sites, 60 percent (15 sites) were found to be less than 50 square feet in area. Only one site was greater than 500 square feet in area; however, this site was a large gravel pit, and the camping took place on only a small portion of the disturbed camping area. Conversely, for Well-used Sites, those with the greatest amount of impact, 100 percent (3 sites) were found to have disturbed camp areas greater than 50 square feet in area.

Figure H-2 shows the percent of mineral exposure at inventoried sites. Mineral soil exposure refers to the percentage of the camping area with bare ground and without vegetation or organic soil layers. Overall, Occasional Use Sites were found to have less mineral soil exposure with 44 percent of sites (11 sites) having less than 50 percent mineral soil exposure. However, a significant portion, 40 percent of sites (10 sites), had between 76 and 95 percent mineral soil exposure. These were primarily in gravel pullouts without vegetation. The Well-used Sites inventoried had between medium (26 to75 percent) to high (76 to 95 percent) mineral soil exposure.

Surrounding vegetation type was collected at each inventoried site (Figure H-3). Nearly half of Occasional Use Sites (48 percent) and the majority of Well-used Sites (73 percent) were found to be in a shrub/scrub vegetation type. The remaining sites were scattered between riparian, forest, tundra and bare rock vegetation types.

To assess trampling and/or vegetation damage, both the Frissell Classification System (Frissell 1978) and the Cole Classification System (Cole 1989) were utilized. The Frissell system requires that the site be classified into one of five categories: ground vegetation flattened but not permanently damaged (F1); ground vegetation worn away around fire ring or center of activity (F2); ground vegetation lost on most of the site, but humus and litter still present in all but a few areas (F3); bare mineral soil widespread, tree roots exposed (F4); and soil erosion obvious, trees

reduced in vigor or dead (F5). In the Frissell system (Figure H-4), 48 percent (12 sites) of Occasional Use Sites were categorized as F2, 28 percent (seven sites) as F4, and 20 percent (five sites) as F3. The large percent of Occasional Use Sites that were F3 and F4 can be explained by the fact that these sites were on gravel pullouts without vegetation. For Well-used Sites, 80 percent (12 sites) were categorized as either F3 or F4.

The Cole system compares the percent of vegetation cover (divided into five cover classes based on percentage) on the site with a comparable unused site, and then one of three categories is selected: no difference in cover (C0); difference in one cover class (C1); and difference in two or more cover classes (C2). The majority of Occasional Use Sites (52 percent) had a difference in one cover class (C1), while 36 percent had a difference in two cover classes (C2). Well-used Sites had 40 percent with a difference in one cover class (C1), and 47 percent with a difference in two cover classes (C2). Occasional Use Sites with one or two differences in cover class were either in gravel pits, or heavily impacted with little vegetation left (refer to Figure H-5).

Information collected on user-created site modifications include number of fire rings at inventoried sites, number of discernible "social trails" (trails leading to/from the site, between sites, or to water sources), and numbers of user-created structures. Ninety-six percent of Occasional Use Sites inventoried (24 sites) had between one and four fire rings each, with 36 percent (nine sites) only having one fire ring. Well-used Sites were widely distributed, ranging between one to twelve fire rings. Some Well-used Sites were small in area, yet had many fire rings. Two of the three Well-used Sites had three fire rings (refer to Figure H-6). Of all sites inventoried, 59 percent had no "social trails," and 41 percent had 1-2 discernible "social trails." Nine percent of sites had other user-created structures: 7 percent of sites had game poles, and one site had a user-built outhouse.

Health and safety information was collected at those sites inventoried including the availability of a water source, observed human or domestic animal waste, or evidence of litter. If a water source, such as a river, stream, lake or pond, was near enough to the site to provide water to purify to use for drinking or washing, it was documented. The majority of Occasional Use Sites (56 percent) and Well-used Sites (73 percent) had no water source, while the remainder of the sites had either a stream, lake, or pond in close proximity (refer to Figure H-7). Human waste was not systematically inventoried, but was estimated by the number of spots that had waste paper immediately apparent during the inventory. The majority of inventoried sites for each class were found to have no evidence of human waste: Occasional Use Sites with 56 percent, and Well-used Sits with 80 percent (refer to Figure H-8). Domestic animal waste from livestock or domestic dogs was not widely observed at any site class (refer to Figure H-9).

As with human waste, litter was not systematically inventoried, but was categorized according to how much litter was immediately apparent. For all sites litter was not widely observed; however, some litter was found at 40 percent of Occasional Use Sites and 33 percent Well-used Sites inventoried (refer to Figure H-10). Additionally, indications of aberrant behavior was documented when evidence deviant behavior was observed; including vegetation damage (e.g. from shooting, chopping, carving), drug paraphernalia, large debris (e.g. refrigerators, sofas, abandoned vehicles), and/or parties/large consumption of alcohol. Four percent of Occasional Use Sites and 20 percent of Well-used Sites bore evidence of aberrant behavior. The Well-used Sites that were recorded as having abundant human waste also were recorded as having some or abundant litter, and also aberrant behavior.

2. TABLES

| Table H-1. | Characteristics | of Dispersed | Recreation | Categories |
|------------|-----------------|--------------|------------|------------|
|------------|-----------------|--------------|------------|------------|

| | Characteristics |
|-----------------------|---|
| Occasional Use Sites: | Ground vegetation flattened worn away only around fireplace or center of activity. Some mineral soil exposure. Small disturbed camp area (less than 50 ft²) No user created structures. None or small amounts of litter. <i>Example: Small gravel pullouts and individual camping sites.</i> |
| Well-used Sites | Ground vegetation lost on most of the site, but humus and litter still present in all but a few areas. May be signs of obvious soil erosion. Large mineral soil exposure. Size of disturbed camp area is over 500 ft² several fire rings. Low to abundant litter and garbage (cans, paper, bottles, etc.). <i>Example: Area used for multiple camping sites, or large gravel pull out or quarry used for camping.</i> |

Table H-2. Number of Dispersed Recreation Sites Tallied and Inventoried

| | Number of Sites Tallied | Number of Sites Inventoried | Percent of Sites Inventoried |
|----------------------|----------------------------|--------------------------------|---------------------------------|
| Occasional Use Sites | 151 | 25 | 17% |
| Well-Used Sites | 19 | 15 | 79% |

| | Less Than 10 Feet | 10-100 Feet | 100-1000 Feet | Greater than 1000 Feet |
|----------------------|----------------------|-------------|---------------|---------------------------|
| Occasional Use Sites | | | | |
| Trail | 2 | 4 | 0 | 1 |
| River | 0 | 2 | 2 | 3 |
| Lake | 1 | 1 | 1 | 0 |
| Denali Highway | 24 | 0 | 0 | 1 |
| Well-Used Sites | | | | |
| Trail | 2 | 6 | 0 | 1 |
| River | 0 | 1 | 0 | 1 |
| Lake | 0 | 0 | 1 | 0 |
| Denali Highway | 12 | 1 | 1 | 1 |

Table H-3. Number of Inventoried Dispersed Recreation Sites in Proximity to Nearby Features

3. FIGURES

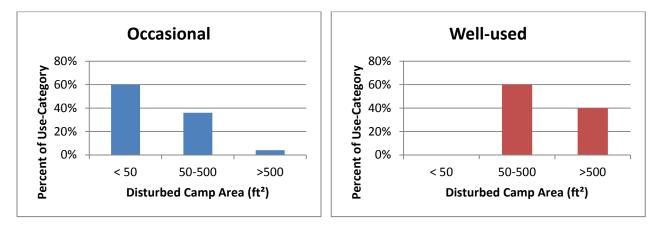


Figure H-1. Size of Disturbed Camp Area

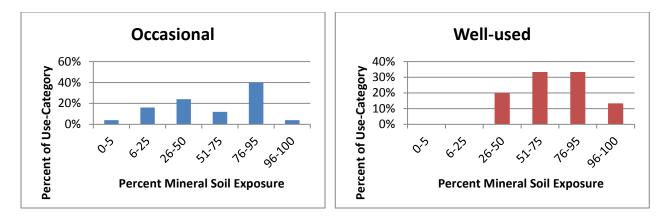


Figure H-2. Mineral Soil Exposure

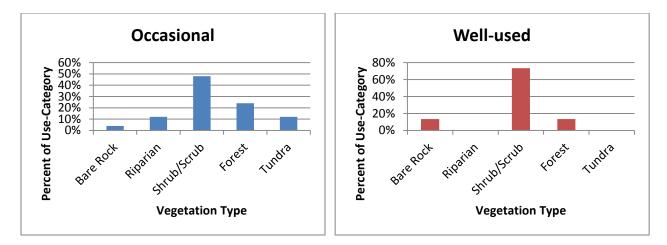


Figure H-3. Vegetation Type

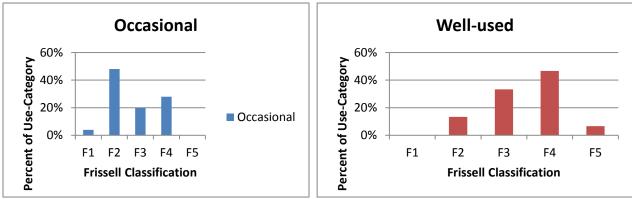
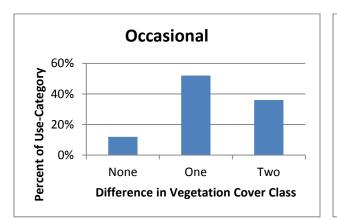


Figure H-4. Frissell Classification System

F1= ground vegetation flattened but not permanently damaged; F2=ground vegetation worn away around fire ring or center of activity; F3=ground vegetation lost on most of the site, but humus and litter still present in all but a few areas; F4=bare mineral soil widespread, tree roots exposed; F5=soil erosion obvious, trees reduced in vigor or dead



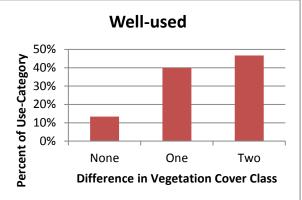


Figure H-5. Cole Classification System

C0= No difference in cover; C1=Difference in one cover class; C2=Difference in two or more cover classes

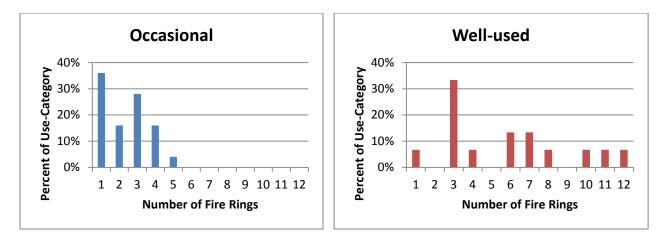


Figure H-6. Number of Fire Rings

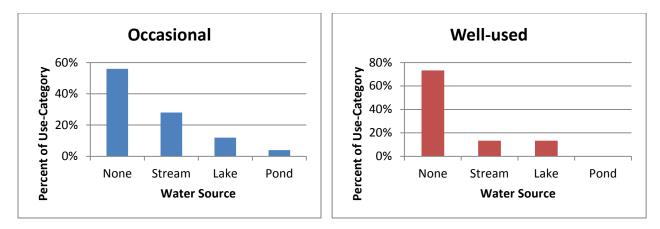


Figure H-7. Water Source

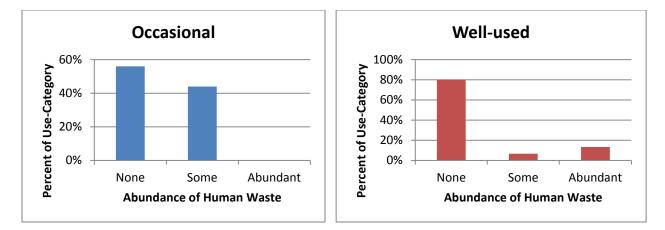


Figure H-8. Evidence of Human Waste

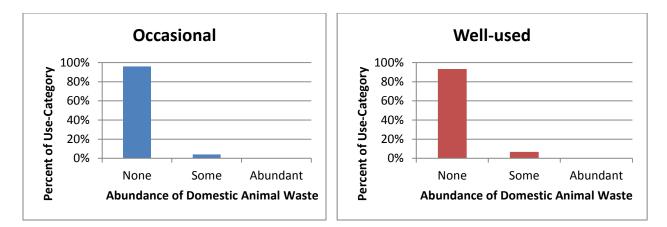


Figure H-9. Evidence of Animal Waste

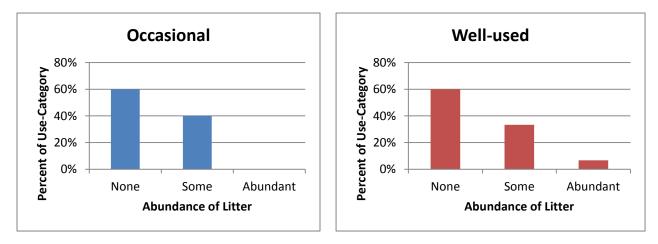


Figure H-10. Evidence of Litter

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix I Access Inventory

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

URS Corporation

June 2014

Table I-1. Inventory of Access Points: The Road Network and Railroad

| Access ID | Map Name orized Use | | Ownership | Maintained/ Unmaintained ¹ | ADA Accessible Features ^{2,3} | Number of Parking Spaces⁴ | Highway⁵ | Milepost | Direction from Highway | Designated Use ⁶ | Dest |
|--------------|------------------------------------|--|----------------|--|--|---------------------------------|----------|----------------|------------------------------|------------------------------|---|
| Non-Mot | orized Use | | | 1 | | | | | | | |
| A7 | Talkeetna/DSP/AKRR | Berry Picking access | ADNR | Unmaintained | No | 8 | PH | 165.5 | E | Undesignated | Berry picking, cree campsite. |
| A8 | Talkeetna/DSP/AKRR | Little Coal Creek access | ADNR | Maintained | Yes | 39 | PH | 163.8 | W | Hiking Trail | Kesugi Ridge from |
| A9 | Talkeetna/DSP/AKRR | Ermine Hill Trailhead | ADNR | Maintained | No | 9 | PH | 156.5 | E | Undesignated | Kesugi Ridge from |
| A10 | Talkeetna/DSP/AKRR | Byers Lake Trail access | ADNR | Maintained | No | 43 | PH | 147.0 | E | Hiking Trail | Byers Lake and K |
| A12 | Talkeetna/DSP/AKRR | XY Trail | ADNR | Unmaintained | No | 6 | TS | 12.0 | E | Undesignated | |
| A13 | Talkeetna/DSP/AKRR | Talkeetna Lakes access | MSB | Maintained | No | 25 | TS | 12.0 | E | Undesignated | X and Y Lakes gre |
| A19 | Talkeetna/DSP/AKRR | Tigger Lake Trailhead | Private | Unmaintained | No | 0 | TS | 10.5 | E | Undesignated | Talkeetna Lakes a |
| A23 | Talkeetna/DSP/AKRR | Upper Troublesome Creek Trailhead | ADNR | Maintained | No | 45 | PH | 137.7 | E | Hiking Trail | Troublesome Cree Ridge. |
| A71 | Denali Hwy East | MP 129.3 Trail | ADNR | Unmaintained | No | 2 | DH | 29.4 | S | Undesignated | Ŭ |
| A75 | Denali Hwy East | Rusty Lake Trail | State Selected | Unmaintained | No | 10 | DH | 17.3 | N | ATV Trail | Rusty Lake |
| A81 | Overview | Mendeltna RS2477 | ADNR | Unmaintained | No | 25 | GH | 152.0 | N | Hiking Trail | Eureka trails syste |
| A88 | Overview | Oshetna River access RS2477 | Private | Unmaintained | No | 20 | GH | 99.5 | Ν | Undesignated | Oshetna River |
| A90 | Overview | Chickaloon River (RST 427) | State Selected | Unmaintained | No | 0 | GH | 78.0 | N | Undesignated | Chickaloon River |
| A101 | Talkeetna/DSP/AKRR | White Cabin in the Woods | AKRR | Unmaintained | No | 0 | AKRR | 266.1 | E | Undesignated | Private cabins |
| A153 | Overview | 179.5 Pullout | ADNR | Maintained | No | 20 | PH | 179.5 | W | Fishing Access | Mile 180 Lake |
| ATV Trai | | | • | | | | - | | | - | - |
| A3 | Overview | Chulitna River access point | ADNR | Unmaintained | No | 10 | PH | 185.0 | W | Undesignated | Chulitna River |
| A4 | Overview | MP 177 access point | ADNR | Unmaintained | No | 0 | PH | 177.0 | E | Undesignated | |
| A5 | Talkeetna/DSP/AKRR | Hurricane Gulch access | ADNR | Unmaintained | No | 40 | PH | 174.5 | W | Undesignated | |
| A6 | Talkeetna/DSP/AKRR | MP 169.5 access | ADNR | Unmaintained | No | 0 | PH | 169.5 | W | Undesignated | Possibly Power Li |
| A11 | Talkeetna/DSP/AKRR | Larsen Creek Trail access | Private | Unmaintained | No | 20 | TS | 12.0 | E | Undesignated | Larsen Creek Trai |
| A14 | Talkeetna/DSP/AKRR | Chase Trail access | ADNR | Maintained | No | 45 | TS | 0.0 | N | Undesignated | Chase Trail, Chas |
| A22 | Talkeetna/DSP/AKRR | Luthman Trailhead | ADNR | Maintained | No | 5 | TS | 3.0 | E | Undesignated | Montana Creek w |
| A24 | Talkeetna/DSP/AKRR | East West Trailhead | ADNR | Maintained | No | 40 | PH | 121.5 | E | Undesignated | East West Expres |
| A25 | Talkeetna/DSP/AKRR | Rabideax Creek Trailhead | ADNR | Unmaintained | No | 4 | PH | 105.7 | W | Undesignated | Rabideax Creek to |
| A27 | Denali Hwy West | Powerline Trail | BLM | Maintained | No | 30 | DH | 134.1 | S | Undesignated | Powerline Trail so |
| A28 A31 | Denali Hwy West Denali Hwy West | Jack River Trail (17b) Easement access at | Private BLM | Unmaintained Unmaintained | No No | 8 | DH DH | 131.1 122.4 | S S | ATV Trail Undesignated | Jack River Trail so Possibly Edmonds |
| | - | Edmonds Creek | | | | 4 | | | | | , |
| A34 | Denali Hwy West | MP 113.7 Trail | ADNR | Unmaintained | No | <u> </u> | DH | 115.6 | S | Undesignated | Caettle Oreek Tre |
| A35 A36 | Denali Hwy West Denali Hwy West | Seattle Creek Trail Seattle Creek 1 | ADNR ADNR | Maintained Unmaintained | No No | 2 | DH DH | 114.2 112.6 | S S | Undesignated Undesignated | Seattle Creek Tra Seattle Creek Tra |
| A30 A37 | Denali Hwy West | Seattle Creek 2 | ADNR | Maintained | No | 0 | DH | 112.0 | S | Undesignated | Seattle Creek Tra |
| A37 | Denali Hwy West | Brushkana Creek Trail | ADNR | Unmaintained | No | 0 | DH | 107.2 | N | Undesignated | Brushkana Creek |
| A39 | Denali Hwy West | Upper Brushkana Creek Trail | ADNR | Unmaintained | No | 0 | DH | 107.2 | S | Undesignated | Unnamed lake an |
| A40 | Denali Hwy West | Brushkana Creek Trailhead | BLM | Maintained | No | 4 | DH | 105.2 | N | ATV Trail | Brushkana Creek |
| A41 | Denali Hwy West | MP 103.6 | BLM | Unmaintained | No | 0 | DH | 100.2 | S | Undesignated | |
| A42 | Denali Hwy West | 100 Mile Trail South | ADNR | Maintained | No | 0 | DH | 100.2 | S | Undesignated | |
| A43 | Denali Hwy West | 100 Mile Trail North | ADNR | Unmaintained | No | 0 | DH | 100.0 | N | Undesignated | Possibly Monahar |
| A44 | Denali Hwy West | 99 Mile Trail | ADNR | Unmaintained | No | 0 | DH | 99.6 | S | Undesignated | Possibly Butte La |
| A45 | Denali Hwy West | Monahan Flat Trail | ADNR | Maintained | No | 50 | DH | 94.5 | N | ATV Trail | Monahan Flats |

| stination (If Known) | Associated Recreation Facilities |
|----------------------------------|--------------------------------------|
| | |
| reek, dispersed recreation | |
| om Little Coal Creek Trailhead. | Little Coal Creek Trailhead |
| om Ermine Hill Trailhead | Ermine Hill Trailhead |
| Kesugi Ridge | Byers Lake |
| | |
| greater trail system. | Talkeetna Lakes Park |
| s and greater trail system | Tigger Lake Trailhead |
| reek Trail, connecting to Kesugi | Upper Troublesome Creek Trailhead |
| | Rusty Lake Trailhead |
| stem | Mendeltna Turnout |
| JUII | |
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| er | |
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| | |
| | |
| | |
| | |
| 11 | |
| Line Trail | |
| rail | Chase Treilhead |
| ase Community | Chase Trailhead |
| waterfall | Luthman Trailhead |
| ess, Chulitna Bluffs. | East-West Express Trailhead |
| k trail | |
| south | |
| south | |
| nds Creek | |
| roil | |
| rail rail south | |
| rail south/ Deadmans Creek | |
| ek Trail / Brushkana Campground | Brushkana Creek Campground |
| and peak | Brushkana Creek Campground |
| ek | Brushkana Creek Campground |
| | |
| | |
| an Flat | |
| ake | |
| | Alaska Range Interpretive Site |

| Access ID | Мар | Name | Ownership | Maintained/ Unmaintained¹ | ADA Accessible Features ^{2,3} | Number of Parking Spaces⁴ | Highway⁵ | Milepost | Direction from Highway | Designated Use ⁶ | Destination (If Known) | Associated Recreation Facilities |
|--------------|--------------------|---|----------------|------------------------------|--|---------------------------------|----------|----------|------------------------------|-----------------------------|--|---|
| A46 | Denali Hwy West | Butte Lake Trail 1 | ADNR | Unmaintained | No | 0 | DH | 94.8 | S | Undesignated | Butte Lake, Butte Creek | |
| A47 | Denali Hwy West | Butte Lake Trail 2 | ADNR | Unmaintained | No | 40 | DH | 94.4 | S | Undesignated | Butte Lake, Butte Creek | |
| A48 | Denali Hwy West | MP 91.7 South Trailhead | ADNR | Unmaintained | No | 0 | DH | 92.3 | S | Undesignated | | |
| A49 | Denali Hwy West | MP 87.8 Trailhead | ADNR | Maintained | No | 6 | DH | 88.3 | S | Undesignated | | |
| A50 | Denali Hwy West | MP 87.6 South Trailhead | ADNR | Maintained | No | 6 | DH | 88.1 | S | Undesignated | Wickersham Creek | |
| A51 | Denali Hwy East | RS2477 Trailhead | BLM | Unmaintained | No | 4 | DH | 85.8 | E | Undesignated | Susitna River | |
| A52 | Denali Hwy East | Little Gorge Trail | BLM | Unmaintained | No | 0 | DH | 83.2 | W | Undesignated | East Fork Chulitna Creek. | |
| A53 | Denali Hwy East | MP 80.7 South Trail Susitna South and | BLM | Unmaintained | No | 5 | DH | 81.2 | W | Undesignated | Wickersham Creek Trail, Butte Creek Trail | |
| A55 | Denali Hwy East | Wickerham Creek Trailheads | BLM | Unmaintained | No | 10 | DH | 80.5 | S | Undesignated | Wickersham Creek and Susitna South trails | |
| A57 | Denali Hwy East | Windy Creek Trail 2 | BLM | Unmaintained | No | 40 | DH | 78.6 | N | Undesignated | Windy Creek Valley | |
| A58 | Denali Hwy East | Windy Creek Trail 1 | BLM | Unmaintained | No | 0 | DH | 78.8 | N | Undesignated | Windy Creek Valley | |
| A60 | Denali Hwy East | Hatchet Lake | ADNR | Unmaintained | No | 4 | DH | 68.2 | S | Undesignated | Hatchet Lake | |
| A61 | Denali Hwy East | Access to Parallel Trail and on to 60 Mile Trail | ADNR | Unmaintained | No | 1 | DH | 62.1 | S | Undesignated | Parallel Trail to 60-Mile Trail and Clearwater Creek | |
| A62 | Denali Hwy East | Toilet Trailhead/Parallel Trail | ADNR | Unmaintained | No | 30 | DH | 60.2 | S | Undesignated | Parallel Trail to 60-Mile Trail and Clearwater Creek | |
| A63 | Denali Hwy East | Parallel Trail East access | Private | Unmaintained | No | 0 | DH | 57.8 | S | Undesignated | Parallel Trail to 60-Mile Trail and Clearwater Creek | |
| A64 | Denali Hwy East | Clearwater Creek Trail | ADNR | Maintained | No | 30 | DH | 56.0 | S | Undesignated | Clearwater Creek | Clearwater Creek Wayside |
| A65 | Denali Hwy East | Clearwater Creek South Trail (east) | ADNR | Unmaintained | No | 10 | DH | 0.0 | S | Undesignated | Clearwater Creek, Round Top Trail | |
| A66 | Denali Hwy East | 48.8 Mile South Trail | ADNR | Unmaintained | No | 0 | DH | 48.8 | S | Undesignated | | |
| A69 | Denali Hwy East | Osar Lake Trail | ADNR | Maintained | No | 10 | DH | 36.8 | S | ATV Trail | Osar Lake | Osar Lake Trailhead |
| A70 | Denali Hwy East | Maclaren Summit Trail | ADNR | Maintained | No | 10 | DH | 36.8 | Ν | ATV Trail | View of Maclaren Summit Valley and Maclaren Glacier | Maclaren Summit Trailhead |
| A72 | Denali Hwy East | Landmark Gap South Trail | ADNR | Maintained | No | 30 | DH | 24.9 | S | ATV Trail | Tangle Lakes and Osar Lake | Landmark Gap South Trailhead |
| A73 | Denali Hwy East | Landmark Gap Lake Trailhead | ADNR | Maintained | No | 30 | DH | 24.7 | N | ATV Trail | | Landmark Gap Lake Trailhead |
| A76 | Denali Hwy East | Swede Lake Trail | State Selected | Maintained | No | 50 | DH | 16.2 | S | ATV Trail | Swede Lakes, Alphabet Hills, middle fork of Gulkana River | Swede Lake Trailhead |
| A77 | Overview | Middle Fork Trail | State Selected | Maintained | No | 100 | RH | 169.5 | W | ATV Trail | Middle fork of the Gulkana River | Middle Fork Trailhead |
| A82 | Overview | RS2477 Trail Access MP 147 | ADNR | Maintained | No | 0 | GH | 147.0 | N | ATV Trail | Slide Mountain, Eureka trails system, Lake Louise trails system | |
| A83 | Overview | Slide Mountain MP 140 RS2477 | ADNR | Maintained | No | 15 | GH | 140.0 | N | ATV Trail | Slide Mountain, Eureka trails system, Lake Louise trails system | |
| A84 | Overview | MP 130 | ADNR | Unmaintained | No | 100 | GH | 130.0 | N | Undesignated | Eureka trails system, Lake Louise trail system | |
| A85 | Overview | Avedo Oil RS2477 Trail | ADNR | Unmaintained | No | 2 | GH | 126.0 | N | Undesignated | Nelchina River, Eureka trails system and Lake Louise trails system | |
| A87 | Overview | Chickaloon-Knik-Nelchina Trailhead | ADNR | Maintained | Yes | 18 | GH | 118.5 | N | ATV Trail | Squaw Creek, Eureka trails system, Lake Louise trails system | Chickaloon-Knik-Nelchina Trailhead |
| A89 | Overview | Purinton Creek Trailhead | ADNR | Unmaintained | No | 30 | GH | 90.5 | N | Undesignated | Boulder Creek and possibly Talkeetna River | Purinton Creek Trailhead |
| A91 | Denali Hwy East | Glacier Gap Lake to Sevenmile Lake | ADNR | Maintained | No | 5 | DH | 30.7 | N | ATV Trail | Glacier Gap and Sevenmile Lake | Glacier Gap Lake to Sevenmile Lake Trailhead |
| A92 | Talkeetna/DSP/AKRR | Chase Trail End | ADNR | Maintained | No | 0 | AKRR | 235.9 | E | Undesignated | Talkeetna | |
| A93 | Talkeetna/DSP/AKRR | Chase End RR | AKRR | Maintained | No | 0 | AKRR | 235.9 | E | Undesignated | Chase Trail | |
| A94 | Talkeetna/DSP/AKRR | RR MP 278.59 | AKRR | Unmaintained | No | 0 | AKRR | 278.6 | E | Undesignated | Residential subdivision | |
| A96 | Talkeetna/DSP/AKRR | The Davey's | Private | Maintained | No | 0 | AKRR | 273.9 | W | Undesignated | Summit Lake (winter only) | |

| Access ID | Мар | Name | Ownership | Maintained/ Unmaintained ¹ | ADA Accessible Features ^{2,3} | Number of Parking Spaces⁴ | Highway⁵ | Milepost | Direction from Highway | Designated Use ⁶ | Dest |
|--------------|--------------------|--|--------------------|--|--|---------------------------------|----------|----------|------------------------------|-----------------------------|--|
| A97 | Talkeetna/DSP/AKRR | Blue Tarp | AKRR | Maintained | No | 0 | AKRR | 275.1 | W | Undesignated | Summit Lake and |
| A98 | Talkeetna/DSP/AKRR | Blue Tarp 2 | AKRR | Maintained | No | 0 | AKRR | 275.1 | E | Undesignated | |
| A99 | Talkeetna/DSP/AKRR | Butterfly Flag | AKRR | Unmaintained | No | 0 | AKRR | 273.5 | E | Undesignated | Private cabins |
| A100 | Talkeetna/DSP/AKRR | Judy Marie | AKRR | Maintained | No | 0 | AKRR | 268.8 | E | Undesignated | Private cabins |
| A105 | Talkeetna/DSP/AKRR | Curry Airstrip South Trail | AKRR | Unmaintained | No | 0 | AKRR | 0.0 | E | Undesignated | Lane Creek, Uppe |
| Access F | Road | | | | | | | | | | |
| A1 | Denali Hwy West | Pass Creek | Native Selected | Unmaintained | No | 3 | PH | 206.0 | W | Undesignated | |
| A21 | Talkeetna/DSP/AKRR | Birch Creek access point | ADNR | Unmaintained | No | 6 | TS | 7.6 | E | Undesignated | |
| A30 | Denali Hwy West | MP 123.7 North Trail | ADNR | Unmaintained | No | 5 | DH | 123.7 | N | Undesignated | Possibly Nenana F |
| A59 | Denali Hwy East | Valdez Creek Road RST 295 | ADNR | Maintained | No | 10 | DH | 79.5 | N | Vehicle | Valdez Creek road |
| A67 | Denali Hwy East | Maclaren River Road | ADNR | Maintained | No | 4 | DH | 43.5 | N | ATV Trail | Maclaren Glacier |
| A86 | Overview | MP 123.5 RS2477 | ADNR | Unmaintained | No | 5 | GH | 123.5 | Ν | Undesignated | Table Mountain, S system, Lake Loui |
| A95 | Talkeetna/DSP/AKRR | A-Frame, Chulitna | AKRR | Maintained | No | 0 | AKRR | 273.9 | E | Undesignated | East to Indian Rive |
| A103 | Talkeetna/DSP/AKRR | McWilliams-Gold Creek Trailhead | AKRR | Maintained | No | 0 | AKRR | 263.9 | E | Undesignated | Stephan Lake |
| A104 | Talkeetna/DSP/AKRR | Curry Quarry | AKRR | Maintained | No | 0 | AKRR | 248.5 | E | Undesignated | AKRR telecom site Landing Strip Sou |
| Airstrip | • | | | | | | | | | | |
| A2 | Denali Hwy West | Summit Airstrip | ADNR | Maintained | No | 5 | PH | 0.0 | E | Air Access | |
| A16 | Talkeetna/DSP/AKRR | Talkeetna Airport | ADNR | Maintained | Yes ⁶ | 30 | PH | 0.0 | E | Air Access | |
| A54 | Denali Hwy East | Wickersham Creek Airstrip | BLM | Maintained | No | 4 | DH | 80.6 | W | Undesignated | Denali Highway ar |
| A79 | Overview | Lake Louise Airstrip | ADNR | Maintained | No | 10 | LL | 18.5 | W | Airstrip | Lake Louise area |
| | ne Landing | | | 4 | | | - | | | | |
| A20 | Talkeetna/DSP/AKRR | Fish Lake | Private | Unmaintained | No | 4 | TS | 10.5 | E | Air Access | Fish Lake |
| A29 | Denali Hwy West | Float Plane Lake | ADNR | Unmaintained | No | 15 | DH | 126.9 | S | Undesignated | |
| Boat Lau | inch | | | | 11 | | | | | | |
| A17 | Talkeetna/DSP/AKRR | Talkeetna Boat Launch | AKRR | Maintained | No | 52 | PH | 0.0 | E | Boat Launch | Talkeetna River |
| A26 | Talkeetna/DSP/AKRR | Parks Highway-Susitna River Bridge | ADNR | Unmaintained | No | 100 | РН | 104.2 | E | Undesignated | Susitna River |
| A56 | Denali Hwy East | Susitna River Boat Launch | BLM | Maintained | No | 2 | DH | 79.8 | S | Undesignated | Boat launch acces |
| A68 | Denali Hwy East | Maclaren River Lodge Boat Launch | Private | Maintained | No | 0 | DH | 42.1 | S | Undesignated | Maclaren River |
| A74 | Denali Hwy East | Delta National Wild and Scenic River Wayside Boat Launch | BLM | Maintained | No | 20 | DH | 21.7 | S | ATV Trail | Upper Tangle Lak |
| A78 | Overview | MP 21 Lake Louise Road | Military | Maintained | No | 25 | LL | 21.0 | N | Boat Launch | Lake Louise, Tyon |
| | Overview | Lake Louise State Recreation Area Boat | ADNR | Maintained | No | 30 | LL | 17.5 | E | Boat Launch | Lake Louise, Tyon |
| A80 | | Launch | | | | | | | | | |

| Train Sto | р | | | | | | | | | | |
|-----------|--------------------|--------------|------|------------|------------------|---|----|------|---|--------------|-------------|
| A15 | Talkeetna/DSP/AKRR | Train access | ADNR | Maintained | Yes ⁷ | 0 | TS | 14.0 | E | Train Access | AK Railroad |
| | | | | | | | | | | | |

| stination (If Known) | Associated Recreation Facilities |
|--|---|
| nd dispersed recreation site | |
| • | |
| | |
| per Clear Creek | |
| | |
| | |
| | |
| a River oad | |
| er | |
| , Syncline Mountain, Eureka trails ouise trail system | |
| River | |
| | |
| site, Curry Quartz Quarry, Curry outh Trail | |
| | |
| | |
| | |
| area | |
| a | |
| | |
| | |
| | |
| | Talkeetna Boat Launch & Campground |
| | |
| cesses the Susitna River | |
| | |
| akes and upper Tangle River | Delta National Wild & Scenic River Wayside |
| one River, Tyone Lake | Lake Louise Boat Launch |
| one River, Tyone Lake | Lake Louise State Recreation Area |
| | |

| Access ID | Мар | Name | Ownership | Maintained/ Unmaintained¹ | ADA Accessible Features ^{2,3} | Number of Parking Spaces⁴ | Highway⁵ | Milepost | Direction from Highway | Designated Use ⁶ | Destination (If Known) | Associated Recreation Facilities |
|--------------|--------------------|-----------------|-----------|------------------------------|--|---------------------------------|----------|----------|------------------------------|-----------------------------|--------------------------|-------------------------------------|
| A18 | Talkeetna/DSP/AKRR | Train Depot | ADNR | Maintained | Yes ⁷ | 40 | TS | 14.0 | E | Train Access | AK Railroad train | |
| A106 | Talkeetna/DSP/AKRR | Curry Flag Stop | AKRR | Maintained | Yes ⁷ | 0 | AKRR | 248.5 | W | Train Access | Curry Interpretive Trail | Curry Interpretive Walk |

Note: Some locations may be on private lands; this study report is not intended to suggest that the recreating public is authorized to access these lands for recreation purposes.

1. Maintenance could occur by agency, organizations, and/or private citizens

2. ADA accessible features include toilets and walkways capable of being used by those with disabilities. No other ADA accessible futures were encountered during the inventory.

3. Accessibility determined by the Architectural and Transportation Barriers Compliance Board; 36CFR1195 Architectural Barriers Act (ABA) Accessibility Guidelines for Outdoor Developed Areas; Federal Register Vol. 72, No. 118, June 2007

4. Estimated number of cars/trucks/SUVs that could fit into parking area

5. DH=Denali Highway; GH=Glenn Highway; PH=George Parks Highway; RH=Richardson Highway; LL=Lake Louise Road; TS=Talkeetna Spur Road; AKRR=Alaska Railroad

6. Identifies if a trail is managed and designed for a specific recreation use

7. Accessibility available with prior notification

| Access ID | Мар | Name | Ownership |
|-------------------|------------------------|---------------------------------------|-----------|
| Airstrip | | | - 1 |
| A108 | Overview | Gravel bar plane landing | BLM |
| A113 | Overview | Sheffield's Airstrip | ADNR |
| A114 | Overview | Airstrip | ADNR |
| A121 | Overview | Airstrip | ADNR |
| A129 | Denali Hwy East | Airstrip | Private |
| A130 | Denali Hwy East | Airstrip | BLM |
| A131 | Talkeetna/DSP/AKRR | Aircraft Landing | Private |
| A132 | Overview | Aircraft Landing | BLM |
| A133 | Overview | Aircraft Landing | Private |
| A135 | Denali Hwy West | Golden North Airport | Private |
| A136 | Denali Hwy West | Cantwell Airport | Private |
| A137 | Denali Hwy West | Cantwell Landing Area | Private |
| A138 | Denali Hwy West | Aircraft Landing | ADNR |
| A146 | Overview | Airstrip | ADNR |
| A150 | Denali Hwy East | Aircraft Landing | ADNR |
| loat Plane Landir | | | |
| A107 | Denali Hwy East | River float plane landing | BLM |
| A109 | Overview | Gunshot Lake float plane landing | ADNR |
| A110 | Overview | BS Lake float plane landing | ADNR |
| A111 | Overview | Coal Lake float plane landing | BLM |
| A112 | Overview | River float plane landing | BLM |
| A115 | Overview | Goose Bench Lake float plane landing | ADNR |
| A116 | Overview | Clarence Lake float plane landing | Private |
| A117 | Overview | Watana Lake float plane landing | ADNR |
| A118 | Overview | Sally Lake float plane landing | BLM |
| A119 | Overview | Big Lake float plane landing | ADNR |
| A120 | Overview | Terrace Lake float plane landing | BLM |
| A122 | Overview | Float plane landing | ADNR |
| A126 | Overview | Running Bear Lake float plane landing | BLM |
| A127 | Overview | Float plane landing | ADNR |
| A128 | Overview | Caitlin float plane access | ADNR |
| A139 | Overview | Kelly Lake float plane landing | ADNR |
| A140 | Overview | Bear Lake float plane landing | ADNR |
| A141 | Overview | Pork Chop Lake float plane landing | ADNR |
| A142 | Denali Hwy East | Monsoon Lake float plane landing | ADNR |
| A143 | Overview | John Lake float plane landing | ADNR |
| A144 | Overview | Float plane landing | ANDR |
| A145 | Overview | Rock Lake float plane landing | ADNR |
| A147 | Overview | Crater Lake float plane landing | ADNR |
| A151 | Overview River Landing | | BLM |
| A152 | Overview | Lake Access | ADNR |

Table I-2. Inventory of Access Points: Remote Plane Landing Sites

Note: Some locations may be on private lands; this study report is not intended to suggest that the recreating public is authorized to access these lands for recreation purposes.

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix J Access Figures

Initial Study Report

Prepared for

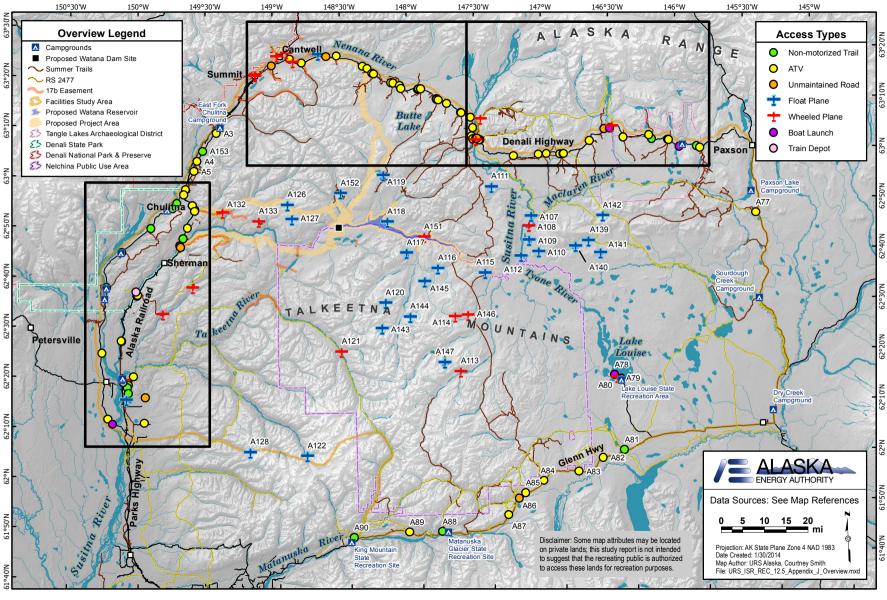
Alaska Energy Authority

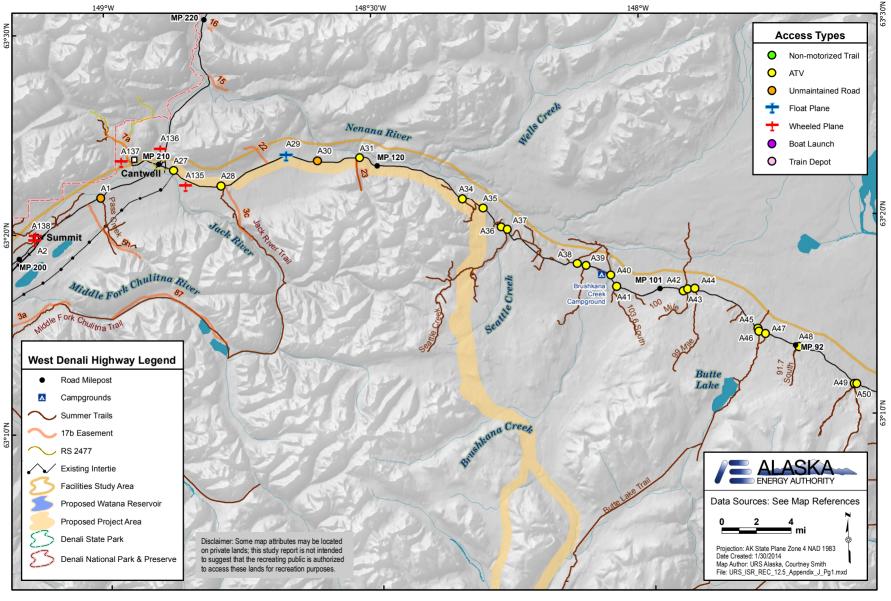


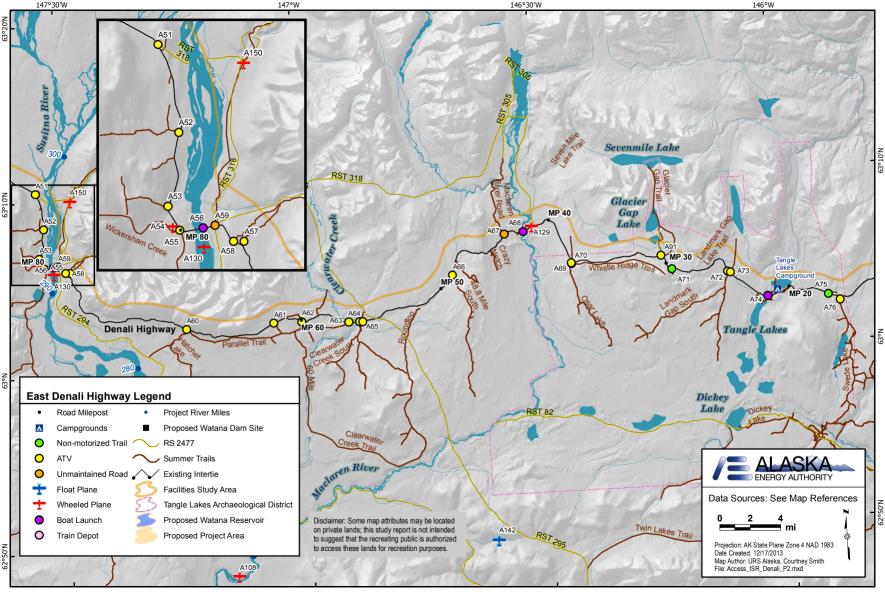
Prepared by

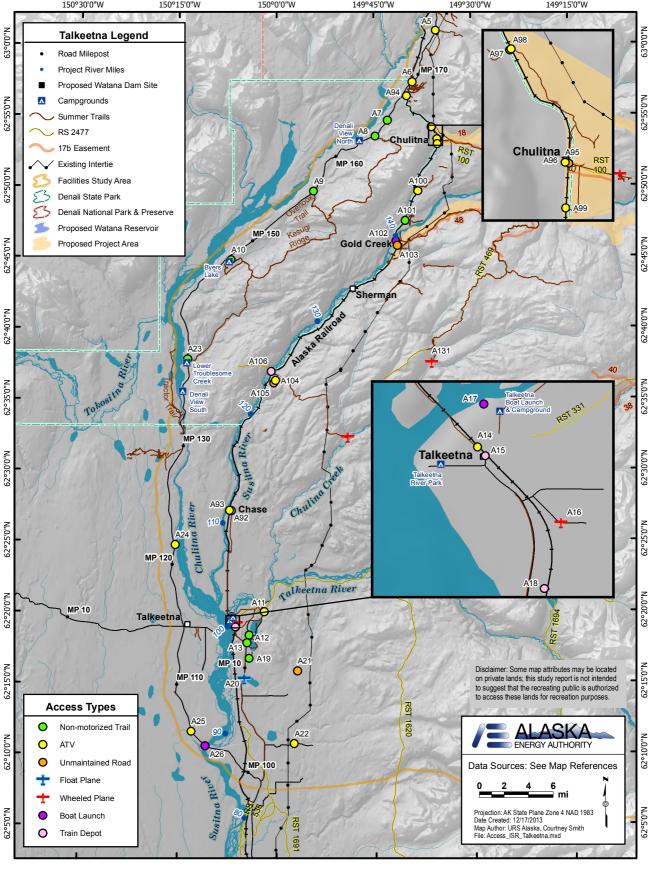
URS Corporation

June 2014









Map References:

| Data Source | Date | File Name and Description |
|-----------------|------------|--|
| URS Corporation | 11/18/2013 | REC_Facilities: Recreation facilities including campgrounds, trailheads, boat launches, and day use areas. |
| URS Corporation | 11/19/2013 | REC_Access: Recreation access locations - access to lakes, trails, rivers, etc. |
| URS Corporation | 11/19/2013 | REC_RS2477: Easements with a State of Alaska RS 2477 designation. |
| URS Corporation | 6/4/013 | REC_17b_Easements: Easements with an ANCSA 17(b) designation. |
| URS Corporation | 11/20/2013 | REC_Summer_Trails: Trail compilation for the Study Area. From URS digitized trails, ADNR USGS 63,360 Trailset, BLM trails, MSB trails, and executive interviews. |
| URS Corporation | 6/4/013 | REC_StudyArea_Facilities: The spatial extent of the study area for existing public recreation facilities and carrying capacity analysis. |
| URS Corporation | 11/20/2013 | REC_Existing_Intertie: Route of the Alaska Intertie that travels throuth the study area. |
| BLM | 10\28\2013 | BLM_TLAD: Boundary of the Tangle Lakes Archaeological District. |