

Lake Powell Pipeline Project
FERC Additional Information Request Schedule B – Item 19

Exhibit E

Recreation Resources

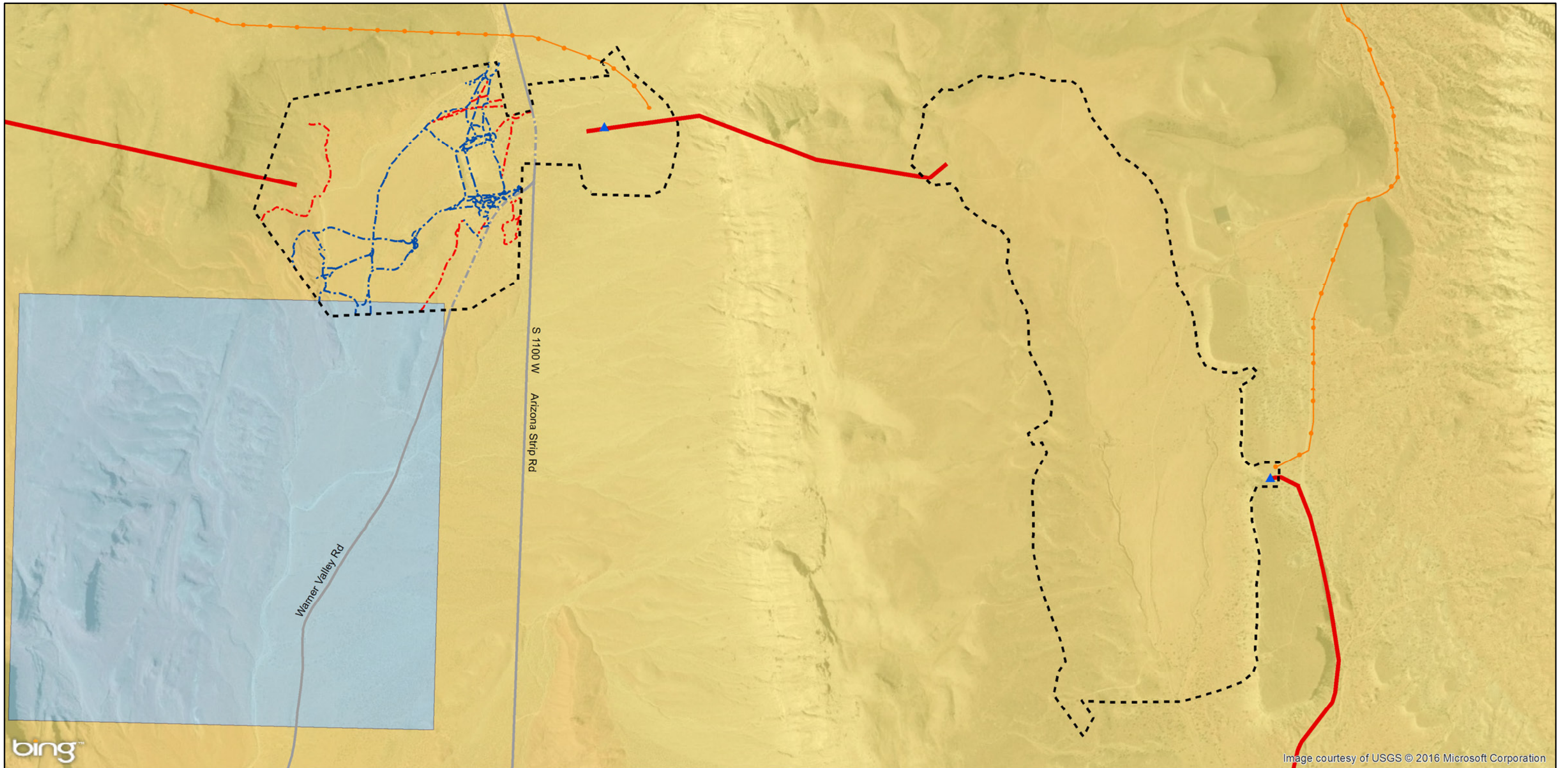
- 19. Final Study Plan 9, *Recreation Resources*, requires you to use field reconnaissance methods and secondary data sources to develop an inventory of facilities in proximity to the proposed project and to analyze use patterns at recreation sites that would be affected by the proposed project. We were not able to locate the inventory and analysis in Final Study Report 9 and exhibit E lacks the majority of recreation sites that may be affected by the proposed project. Please provide an inventory that includes each site that would be affected by the proposed project, as required by the approved study plan. The inventory and analysis should identify and quantify the land, reservoir surface area, and all facilities (including dispersed sites and the number and lengths of any trails) that would be removed from recreation use. In addition, please provide a detailed map showing the lands proposed to be removed and the affected recreational facilities.**

UBWR Response:

Field reconnaissance methods and secondary sources were used to develop an inventory of facilities in proximity to the proposed LPP project and analyze use patterns at recreation sites that would be affected by the proposed LPP project. The initial field reconnaissance was performed in 2009, and additional field reconnaissance of potentially affected recreation sites was performed from 2010 through 2016. The inventory of recreation facilities in proximity to the proposed LPP project is presented in Chapter 3 (Affected Environment) of Final Study Report 9, Section 3.2. Photographs of each potentially affected recreation site taken during field reconnaissance visits are included in Appendix A, Final Study Report 9. Each of the potentially affected recreation facilities are described along with their use patterns, and with the exception of the Sand Mountain Special Recreation Management Area (SRMA), the access effect would be temporarily re-routing recreation user traffic via temporary access to each recreation facility during pipeline or penstock construction across the existing access road. The temporary effects on each recreation facility are described in Chapter 4 (Environmental Consequences) of Final Study Report 9, Section 4.2. Temporarily affected existing access roads to recreation facilities would be restored to pre-existing conditions or better as a result of the pipeline or penstock construction. Temporary recreational experience effects could occur at each recreation facility for up to eight hours in one day, as this is the period of time that construction would be performed in the immediate vicinity of each recreation facility site.

A portion of the Sand Mountain SRMA, administered by the BLM St. George Field Office, would be permanently removed by construction and operation of the Hurricane Cliffs Hydroelectric Power Station tailrace channel and afterbay reservoir. The Sand Mountain SRMA has a total surface area of 20,709 acres. The proposed LPP project would permanently affect 192 acres of land area in the Sand Mountain SRMA. The proposed afterbay reservoir and tailrace channel surface area within the Sand Mountain SRMA would total 136.2 acres. Two segments of BLM roads, and dispersed use, user-defined trails and ATV roads, are the only recreation

features within the Sand Mountain SRMA that would be permanently removed from recreation use by the proposed LPP project. There are no existing marked trailheads, formal parking areas, restroom facilities, or information kiosks with maps or other information within the portion of the Sand Mountain SRMA that would be permanently removed by the proposed LPP project. The two segments of BLM road that would be removed from recreation use include 657 feet of BLM road crossed by the proposed tailrace channel and 1,724 feet of the BLM Warner Valley Road. Fourteen dispersed use, user-defined trails totaling 8,824 feet long would be permanently removed from recreation use by the proposed LPP project. Seven of the dispersed use, user-defined trails are under 200 feet long. Eighty-one dispersed use, user-defined ATV roads totaling 25,217 feet long would be permanently removed from recreation use by the proposed LPP project. Forty-nine of the dispersed use, user-defined ATV roads are under 200 feet long. Figure 2-1 shows the BLM and State of Utah lands proposed to be removed by the LPP project and the affected recreational roads and trails (shown within the Proposed FERC Project Boundary).



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Image courtesy of USGS © 2016 Microsoft Corporation

- Proposed FERC Project Boundary
- ▲ Project Hydro Station
- Hydro System - Proposed Action (Penstock Segment)
- Project Transmission Lines

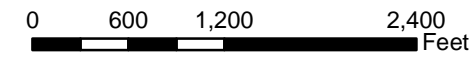
Recreation Trails

- - - Dispersed Use, User-Defined Trail
- - - Dispersed Use, User-Defined Road
- Existing BLM Road
- - - Existing BLM Road (Inside Proposed FERC Project Boundary)

LPP Land Ownership

- BLM
- State

FERC Project Number:
12966-001
BLM Serial Numbers:
AZA-34941
UTU-85472



Lake Powell Pipeline Project

Spatial Reference: UTM Zone 12N, NAD-83

UDWRe Figure 2-1 MWH

**Hurricane Cliffs Area
Recreation Impacts**