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## APPENDIX E

### Concept Environmental Memo



DAVID EVANS  
AND ASSOCIATES INC.

MEMORANDUM

**DATE:** December 18, 2015

**TO:** Denise Steele  
Western Federal Lands Highways Division  
610 E. Fifth Street  
Vancouver, WA 98661

**FROM:** Casey Storey

**SUBJECT:** Teton Centennial Trail – Environmental Regulatory Considerations

**PROJECT:** FHAX0000-0220  
Idaho Teton Trail

**CC:** File

**A. Introduction**

The following memorandum updates environmental conditions relevant to the Teton Centennial Trail Project. This memorandum includes consideration of project updates implemented since the development of the Teton Centennial Trail Project Reconnaissance Report, prepared by David Evans and Associates in July, 2015 (Attachment 1 – Not attached). A general project description can be found within Attachment 1. Since that report was prepared, the project has been expanded to include a short segment of trail extending into Wyoming to the Trail Creek Campground. Previously, all project components were limited to Idaho. The following memorandum will provide: a summary of the permitting and reviewing stakeholders anticipated to be involved in project implementation, an overview of endangered species compliance status, the results of recent cultural resource and hazardous materials evaluations of the project corridor, the results of a desktop wetland determination and analysis of impacts to wetlands and waters, and a summary of 4(f) and 6(f) resource considerations.

**B. Permitting and Review Stakeholders**

As a result of natural resource analyses and the ongoing design of project components, a summary of anticipated regulatory conditions has been developed. Additionally, a list of agencies with approving authority and likely involvement with project review is included in the table below. Also included within the table are assumed permits and approvals associated with each entity.



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<b>Table 1. Regulatory and Approving Stakeholders and Regulatory Framework</b>	
<b>Regulatory or Review Entity/Agency/Stakeholder</b>	<b>Permit or Approval Requirement</b>
US Army Corps of Engineers	404 Permit – Nationwide or Individual Permit
US Fish and Wildlife Service	Endangered Species Compliance, Migratory Bird Treaty Act (MBTA) Compliance
US Environmental Protection Agency	NPDES Construction General Permit - Idaho
Wyoming Department of Environmental Quality	NPDES Construction General Permit – Wyoming, 401 Water Quality Certification
Idaho Department of Environmental Quality	401 Water Quality Certification
US Forest Service	Special Use Authorization for Development
Wyoming State Historic Preservation Office	Potential Review Authority re: Section 106
Idaho Historical Society	Potential Review Authority re: Section 106
<b>Tribes with regional jurisdiction</b>	
Idaho	
Shoshone - Bannock	Potential Review Authority re: Section 106
Wyoming	
Northern Arapaho	Potential Review Authority re: Section 106
Eastern Shoshone	Potential Review Authority re: Section 106
Montana*	
The Crow Nation	Potential Review Authority re: Section 106

\*Project occurs near but outside of the projected traditional aboriginal lands of the Crow Nation.

**C. Endangered Species Compliance Update**

The entirety of the Teton Centennial Trail including all of the components included in this analysis was covered by the US Forest Service EA prepared in 2001. As part of the EA and NEPA process conducted in 2001 and 2002 a biological assessment and biological evaluation were prepared to ensure project compliance with the Endangered Species Act. As part of the analysis, project actions in both Wyoming and Idaho were not determined to result in adverse effects to any species listed by the US Forest Service (USFS). As the administrating body for listed species in the project area, the US Fish and Wildlife Service (USFWS) concurred with the No Effect and Not Likely to Adversely Affect findings provided by the USFS. It is anticipated that these findings will persist with the current proposed project actions. Evaluation of this assumption by the USFWS is recommended prior to project implementation.

**D. Historical and Archaeological Background**

As part of the prior project analysis and Environmental Assessment process, both the Wyoming and Idaho State Historic Preservation Offices (SHPO) were consulted to ensure project compliance with Section 106



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of the National Historic Preservation Act (NHPA). Each agency found that the project would not result in effects to historic properties. An overview of relevant cultural resources will be examined once provided by FHWA to ensure that project elements avoid any previously identified cultural resource of concern. In addition, at the discretion of the FHWA, the current project and upcoming project design may be presented to the SHPO offices of both Wyoming and Idaho to ensure that the final design avoids any effects to historic properties. In particular, a bridge across Moose Creek is anticipated to be replaced and the bridge may not have been previously evaluated for historical significance.

#### **E. Culvert Age Evaluation**

The planned project actions will remove and replace a number of culverts within the project corridor. Due to the age of the trail, the trail location corresponding with the alignment of the Old Jackson Highway, and the anticipated age of these culverts an evaluation of NRHP listing eligibility was conducted. The evaluation of these culverts found that all culverts were likely to date to the 1940s or 1950s and none were recommended for eligibility under the NRHP. None of the culverts evaluated were deemed to possess distinctive characteristics or association with significant patterns of history. The summary of this evaluation is included as Attachment 2 to this memorandum.

#### **F. Wetlands and Waters**

A project corridor evaluation of wetland and water resources was conducted using the USFWS National Wetland Inventory (NWI) mapper, the Natural Resource Conservation Service (NRCS) Web Soil Survey (WSS), and aerial photography. Wetlands identified in the project area include palustrine scrub/shrub (PSS) along the riparian corridor of two streams within the project alignment. Most of these wetlands are identified south of Highway 33 and do not overlap with project components. An overlay of mapped wetlands from the NWI was prepared and matched to the proposed trail alignment, plan view. A profile view of mapped wetlands is not informative as project limits follow existing trail alignments with no mapped wetlands occurring along the alignment except at the Moose Creek crossing (see below). The plan view map along with applicable plan sheets can be found as Attachment 3 of this memorandum. The evaluation determined that wetlands occur within the project corridor and have the possibility of being impacted at one location associated with the bridge replacement over Moose Creek. Another location not depicted on Attachment 3 where wetlands may be impacted would be at the location of a proposed trailhead parking area at the northern end of the project. The NWI does not indicate wetlands in this vicinity, but surveyed elevations suggest wetlands are likely to occur here. Based on this finding three parking area configurations were analyzed to determine least impact. All three configurations vary in the



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number of available parking spots. Impacts to presumed wetlands increase with increasing parking capacity. These wetland impacts range from zero for configuration B to 7,796 sqft. (0.18 acres) for configuration A. The three configuration details are provided below in Table 1 and plan sheets pertaining to these alignments are located under Attachment 4.

Table 1. Teton Centennial Trail – Trailhead Parking Configuration Alternatives			
Configuration I.D.	Surface Area	Parking Spots	Area of Potential Wetland Impact *
A (Large)	25,138 SF	20 with 2 trailer parking spots	7796 SF
B (Small)	9,656 SF	10	0
C (Medium)	13,744 SF	16	437 SF

\*Based on topographic survey and not NWI mapping. All areas are an estimate and must be verified with field delineation.

Waters identified within the project area from the above referenced mapping resources in addition to the USGS Topographic Quadrangle Map include Moose Creek, Trail Creek, and an unnamed tributary to Trail Creek. Mapping indicates that Moose Creek and Trail Creek are perennial streams, while the unnamed tributary appears to be an intermittent or ephemeral waterway. As previously indicated, the project will include the replacement of the existing bridge over Moose Creek. The new bridge will increase the span width and increase ecological function of the waterway with the ability to pass larger flows, increase floodplain connectivity and reduce scour. The new bridge will not require placement of fill within the waterway and depending on final design, may result in a net decrease in material below ordinary high water. At the conceptual level – removal of the existing bridge abutments would result in a net decrease of 84 sqft of material below ordinary high water. The planned bridge will follow the same alignment as the existing bridge and may not result in wetland fill in association with the increased span width. However, final design and wetland field delineation will establish any potential wetland filling at this project location.

Prior to anticipated project permitting, all preliminarily mapped wetlands within the project corridor should be field delineated during the growing season, anticipated in this area to be mid-May through September. All waterways within the project corridor, including perennial, intermittent, and ephemeral streams should be evaluated for flows and ordinary high water elevations and boundaries should be established for each.



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Also prior to permitting, preliminary designs should be reviewed by regulatory partners to assist the design team in minimization, avoidance, and mitigation strategies associated with potential or unavoidable wetland impacts. Depending on the area of impacts mitigation may be achievable with enhancement of existing wetlands, site restoration, and invasive species removal as available. Wetland impacts less than 0.10 acres in size that do not create adverse environmental impact and include general improvements to wetlands and special aquatic sites may not require mitigation, dependent on review by the Corps of Engineers. Wetland impacts in excess of 0.10 acres may require mitigation, on-site or off-site. No mitigation banks are currently established within the project service area. A cursory review of the project area in proximity to the planned trailhead location suggests some opportunities for onsite mitigation, but would warrant additional field analysis to determine the viability and extent of this area. As practicable, all efforts will be made to avoid and minimize trail impacts to wetlands and waterways. Additionally, impacts to riparian corridors and other natural areas will be minimized or avoided to ensure compliance with the regulatory requirements and standards as established in prior consultations and agreements by stakeholder agencies.

Resources:

Crow Nation Traditional Aboriginal Territory, available at: <http://crowthpo.org/>

National Wetland Inventory, available at: <http://www.fws.gov/wetlands/Data/Mapper.html>

NRCS: Web Soil Survey, available at: <http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

USGS Quadrangle Maps, available at: <http://store.usgs.gov/>

US Army Corps of Engineers Available Mitigation Banks, available at:

<http://www.nww.usace.army.mil/BusinessWithUs/RegulatoryDivision/MitigationBanks.aspx>

## **G. Hazardous Waste Evaluation**

As part of the ongoing environmental evaluation of the project corridor, a hazardous waste evaluation was conducted and a technical memorandum was prepared (Attachment 4). All investigation activities were completed using desktop review of mapping, databases, and records searches. A field evaluation of potential hazardous waste in the project corridor was not conducted. The evaluation concluded that no



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records evidence of off-site hazardous materials facilities are associated with the project or would affect the project. The evaluation did determine the potential for hazardous material components within the Moose Creek Bridge, planned for removal as part of project actions. In addition, the report concluded that project area soils may represent historic lead contamination warranting further evaluation. The full technical memorandum is included as Attachment 4.

**H. Section 4(f) and Section 6(f) Analysis**

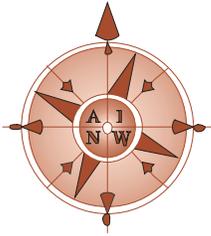
An evaluation of Section 4(f) and Section 6(f) resources has been provided as a separate memorandum included as Attachment 5.

**Attachments/Enclosures**

- Attachment 1: Teton Centennial Trail Project Recon Report (Not attached)
- Attachment 2: Culvert Evaluation
- Attachment 3: Project Wetlands Maps – Plan View, Vicinity Map (Waters)
- Attachment 4: Trailhead Parking Alternatives
- Attachment 5: Moose Creek Bridge Conceptual Design
- Attachment 6: Project Hazardous Materials Evaluation Report
- Attachment 7: Section 4(f) and Section 6(f) Assessment

**Attachment 1: Teton Centennial Trail Project Recon Report (Not Attached)**

**Attachment 2: Culvert Evaluation**



# Archaeological Investigations Northwest, Inc.

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## MEMO

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Date: November 18, 2015

To: John Maloney, PE, David Evans and Associates, Inc.

From: Judith A. Chapman, M.A., Senior Architectural Historian/Archaeologist  
Elizabeth J. O'Brien, B. Architecture, Architectural Historian

Re: Teton Centennial Trail Project  
Teton County, Idaho and Teton County, Wyoming  
Old Jackson Highway Culvert Evaluation  
AINW Report No. 3569

### Introduction

The Teton Centennial Trail will be constructed on the Old Jackson Highway roadbed within the Caribou-Targhee National Forest from Moose Creek in Idaho to the Trail Creek Campground in Wyoming (Figures 1 through 3). The trail will provide a connection from Victor, Idaho, to the town of Jackson, Wyoming, within the Grand Teton National Park pathway system and serve as a gateway to the Greater Yellowstone region. The 10-foot-wide bicycle/pedestrian trail will be maintained by the City of Victor, Teton County, Idaho, and by the Teton Valley Trails and Pathways group. The trail project is being done by Western Federal Lands Highway Division of the Federal Highway Administration and is subject to Section 106 of the National Historic Preservation Act.

Archaeological Investigations Northwest, Inc. (AINW), has conducted an evaluation of twelve culverts along the proposed trail using field survey information and photographs provided by David Evans and Associates, Inc. The results of the evaluation with eligibility recommendations for listing in the National Register of Historic Places (NRHP) are shown in Table 1. Photographs were unavailable for two culverts (Nos. 9 and 10), and they were evaluated based on descriptive information. AINW recommends that the culverts are not eligible for listing in the NRHP. The evaluation recommendation was made by AINW staff who meet the professional qualifications of the Secretary of the Interior's Standards and Guidelines for Historic Preservation.

Old Jackson Highway began as a trail, and by 1886 it had become a main wagon route from Victor, Idaho, over Teton Pass to Jackson Hole, Wyoming (Daugherty 1999; GLO 1914). The U.S. Forest Service conducted a survey for an improved route in 1913 and highway construction continued up to 1917 (Page 1915:55). After the improvements, the road was still unstable in the winter months due to landslides. Between 1923 and 1929, the highway was widened and sections were relocated; no substantial modifications occurred to the highway after the widening project. Construction of Highway 33, which parallels the old highway, began in 1961 and officially replaced Old Jackson Highway in 1969 (Teton Basin Ranger District 2001; Schoen 2002). The subject section of Old Jackson Highway has not been recorded as a historic resource.

All twelve culverts are corrugated metal (steel) pipe (CMP) that vary in length and range in diameter from 12 to 24 inches (Table 1). Two culverts (Nos. 1 and 8) have upstream concrete headwalls, and several have flared metal ends. The culverts appear to date to a period after the 1920s improvements to the old roadway and before 1961, when the new highway was built. Although CMP pipes were in common use for culverts after the 1920s, they usually lasted only 10 to 35 years, depending on conditions. For this reason, the culverts on Old Jackson Highway may date closer to the 1940s or 1950s.

AINW recommends that the twelve culverts are not eligible for listing in the NRHP. Although they retain sufficient historic integrity, as an engineering type they do not separately or as a grouping contribute to the potential significance of the highway. Since the culverts lack distinctive engineering qualities, they are not representative examples of a type, period, or method of construction under Criterion C of the NRHP. The culverts are not associated with significant patterns of history (Criterion A), since they were built after the initial Old Jackson Highway construction period from 1913 to 1917, and they have no known associations to significant people of the past (Criterion B).

### **Conclusions**

Twelve CMP culverts on Old Jackson Highway are recommended to be not eligible for listing in the NRHP. A baseline survey and evaluation of the culverts indicate they lack distinctive engineering qualities that would make them significant. If further evaluation is needed, AINW recommends recording the culverts on inventory forms for review and compliance with the Idaho and Wyoming State Historic Preservation Offices.

### **References**

- Daugherty, John, Stephanie Crockett, William H. Goetzmann, and Reynold G. Jackson.  
1999 *A Place Called Jackson Hole*. Grant Teton Natural Historic Association, Moose, Wyoming. Electronic document, [http://www.nps.gov/parkhistory/online\\_books/grte2/hrs.htm](http://www.nps.gov/parkhistory/online_books/grte2/hrs.htm), accessed November 11, 2015.
- General Land Office (GLO)  
1914 *Plat of Township No. 3 South, Range No. 46 East, Boise Meridian, Idaho*. Electronic document, [http://www.glorerecords.blm.gov/details/survey/default.aspx?dm\\_id=43679&sid=imdrwvjj.55k#surveyDetailsTabIndex=1](http://www.glorerecords.blm.gov/details/survey/default.aspx?dm_id=43679&sid=imdrwvjj.55k#surveyDetailsTabIndex=1), accessed November 11, 2015.
- Page, Logan Waller  
1915 Construction and Maintenance of Road and Bridges, From July 1, 1913 to December 31, 1914. United States Department of Agriculture, Bulletin No. 284. Government Printing Office, Washington, D.C.
- Schoen, Jamie.  
2002 Cultural Resource Detailed Report Form, Teton Pass Trail – Class I Review (BT-02-634). On file, Bridger-Teton National Forest, Jackson, Wyoming.
- Teton Basin Ranger District and Jackson Ranger District  
2001 *Teton Pass Trail, Environmental Assessment*. On file, Teton Basin Ranger District, Caribou-Targhee National Forest.

TABLE 1  
HISTORIC RESOURCES IDENTIFIED

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
1	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 948094.5186, 691299.5224 948046.8738, 691271.0512</p>	<p>Pre-1961 steel CMP culvert Diameter: 18 inches Length: 56 feet Upstream concrete headwall</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:  
Resources were recorded and digitally photographed by DEA, Inc., for AINW in October 2015.  
Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
2	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 949025.3082, 690290.6669 949006.9308, 690255.7224</p>	<p>Pre-1961 steel CMP culvert Diameter: 18 inches Length: 40 feet (approx.) No headwall noted; upstream culvert buried</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:

Resources were recorded and digitally photographed by DEA, Inc., for AINW in October 2015.  
Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
3	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 949282.4248, 689799.3558 949319.5770, 689799.5740</p>	<p>Pre-1961 steel CMP culvert Diameter: 18 feet Length: 40 feet (approx.) No headwalls noted; upstream culvert buried</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:

Resources were recorded and digitally photographed by DEA, Inc., for AINW in October 2015.  
Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
4	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 949799.9046, 689428.9581 949771.0515, 689385.9424</p>	<p>Pre-1961 steel CMP culvert Diameter: 18 inches Length: 52 feet (approx.) No headwalls noted</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:

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Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
5	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 950190.0676, 688943.8549 950166.0329, 688883.2938</p>	<p>Pre-1961 steel CMP culvert Diameter: 18 inches Length: 65 feet (approx.) Upstream headwall partially buried, appears to be concrete</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:

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Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
6	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 950528.6048, 688574.3750 950478.8443, 688548.8962</p>	<p>Pre-1961 steel CMP culvert Diameter: 18 inches Length: 57 feet (approx.) No visible headwalls</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:

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Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
7	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 950943.5476, 688173.2861 950943.6592, 688168.0938</p>	<p>Pre-1961 steel CMP culvert Diameter: 24 inches Length: 6 feet (approx.) No concrete headwalls</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Downstream</p> <p>No Upstream Photo Available</p>
8	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 951606.4790, 687686.3518 951542.2002, 687609.7474</p>	<p>Pre-1961 steel CMP culvert Diameter: 24 inches Length: 100 feet (approx.) Upstream concrete headwall and one wing wall</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p> <p>No Downstream Photo Available</p>

NOTES:

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Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
9	<p>Old Jackson Highway Victor, Idaho vicinity</p> <p>UTM: 953544.029, 686288.4121 953540.43, 686282.1785</p>	<p>Pre-1961 steel CMP culvert Diameter: 24 inches Length: 7 feet (approx.) No concrete headwalls; currently buried due to erosion</p>	<p>Likely Not Eligible for listing in the NRHP based on the other examples within this area that are lacking in distinctive engineering qualities (Criterion C)</p>	<p>No Photos Available at this Time</p>
10	<p>Old Jackson Highway Wyoming</p> <p>UTM: 954325.0525, 685732.852 954284.5379, 685684.5686</p>	<p>Pre-1961 steel CMP culvert Diameter: 24 inches Length: 63 feet (approx.) No concrete headwalls; metal flared end sections Buried due to erosion</p>	<p>Likely Not Eligible for listing in the NRHP based on the other examples within this area that are lacking in distinctive engineering qualities (Criterion C)</p>	<p>No Photos Available at this Time</p>

NOTES:

Resources were recorded and digitally photographed by DEA, Inc., for AINW in October 2015.  
Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
11	<p>Old Jackson Highway Wyoming</p> <p>UTM: 954924.5749, 685394.8216 954905.2687, 685338.6576</p>	<p>Pre-1961 steel CMP culvert Diameter: 30 inches Length: 60 feet (approx.) No concrete headwalls; metal flared end sections</p>	<p>Recommended Not Eligible for listing in the NRHP as it lacks distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:

Resources were recorded and digitally photographed by DEA, Inc., for AINW in October 2015.  
Map ID Numbers are keyed to the Figure 1 through 3 maps.

TABLE 1, continued

MAP ID NUMBER	LOCATION	RESOURCE DESCRIPTION	NRHP ELIGIBILITY	PHOTOGRAPHS
12	<p>Old Jackson Highway Wyoming</p> <p>UTM: 954882.9467, 685276.3209 954873.0891, 685209.6741</p>	<p>Pre-1961 steel CMP culvert Diameter: 30 inches Length: 68 feet (approx.) No concrete headwalls; metal flared end sections</p>	<p>Recommended Not Eligible for listing in the NRHP as it is lacking in distinctive engineering qualities (Criterion C)</p>	 <p>Upstream</p>  <p>Downstream</p>

NOTES:

Resources were recorded and digitally photographed by DEA, Inc., for AINW in October 2015.  
Map ID Numbers are keyed to the Figure 1 through 3 maps.

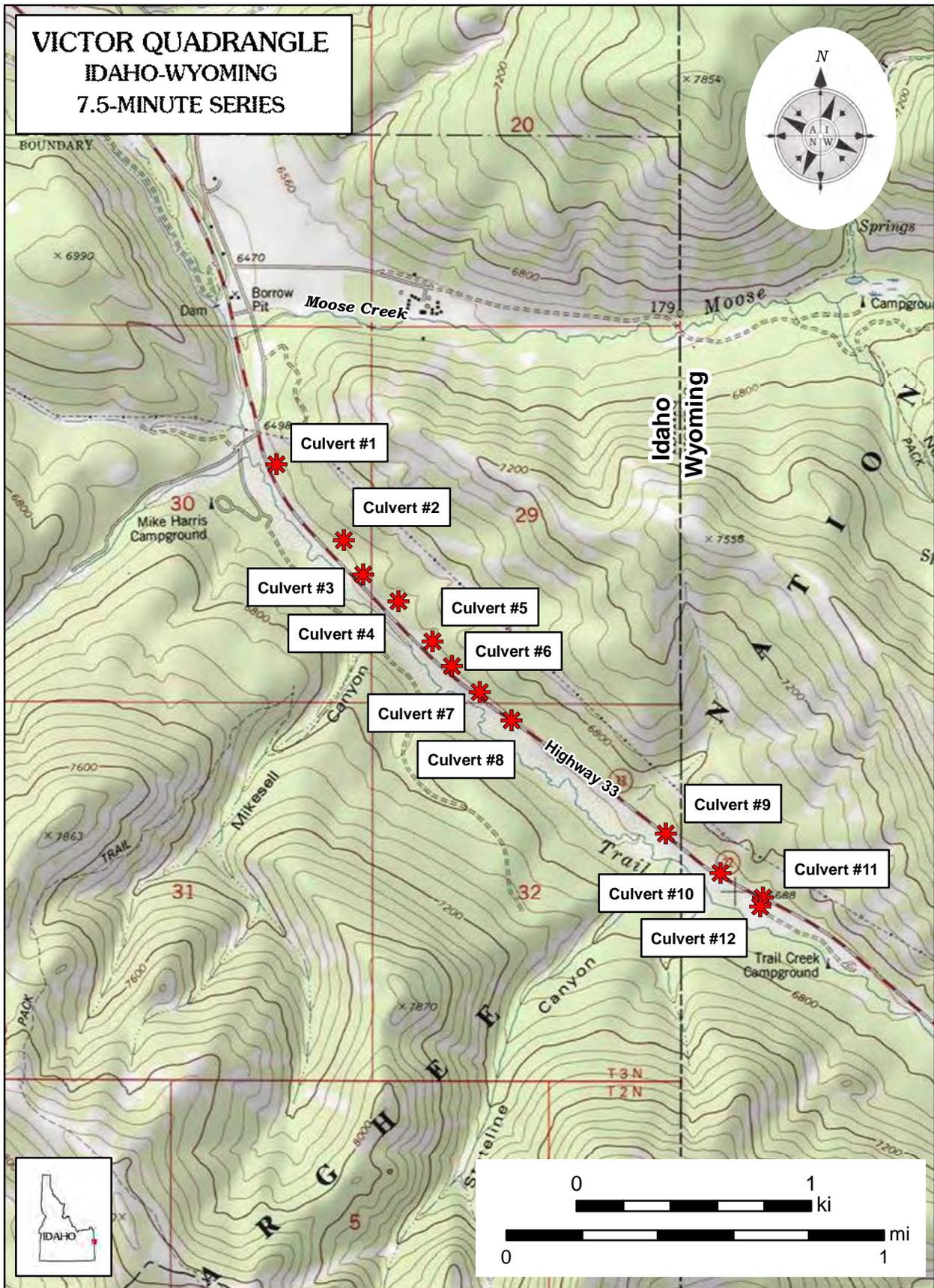


Figure 1. The Teton Centennial Trail project extends from Moose Creek in Idaho to the Trail Creek Campground in Wyoming.

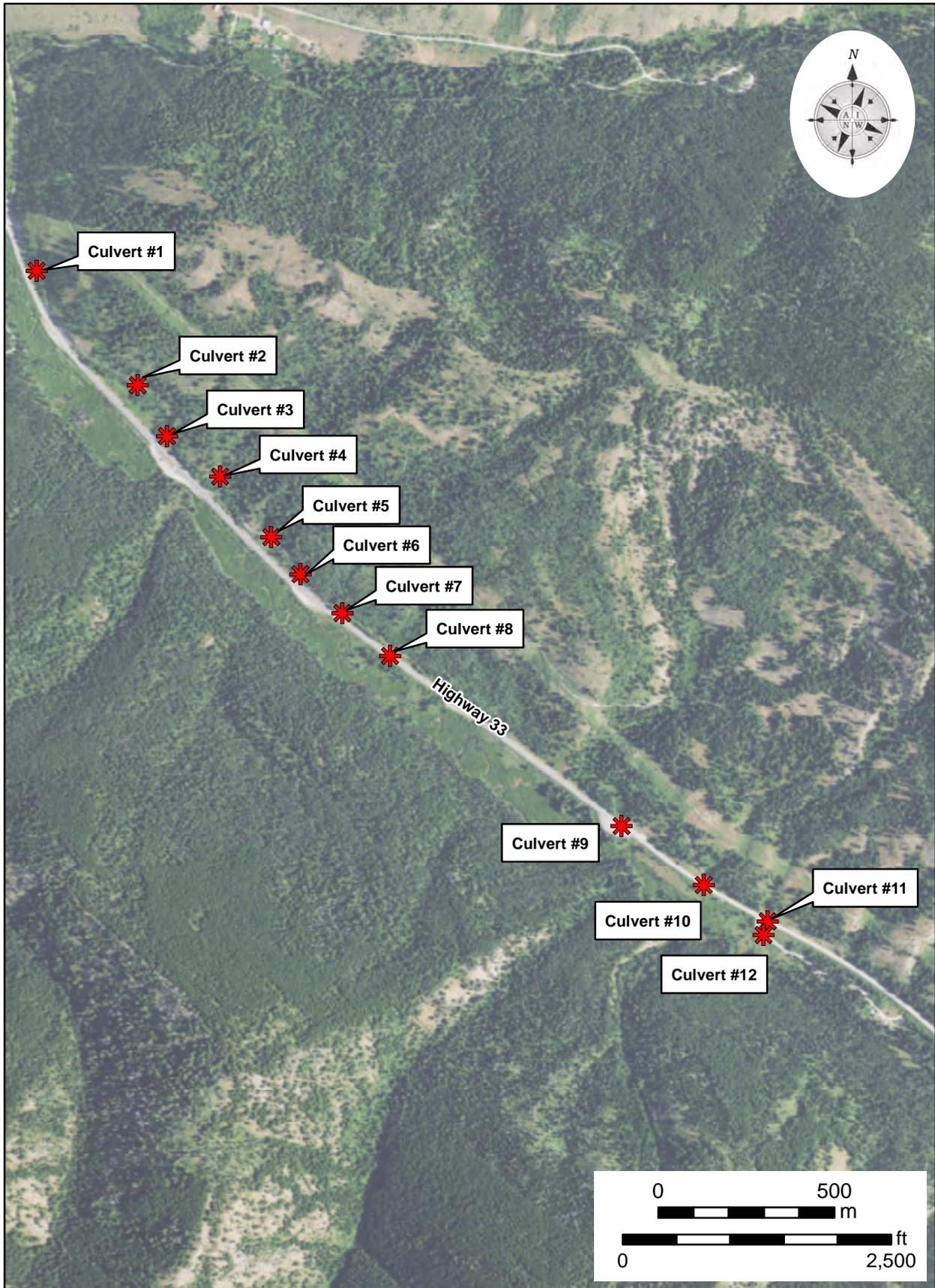
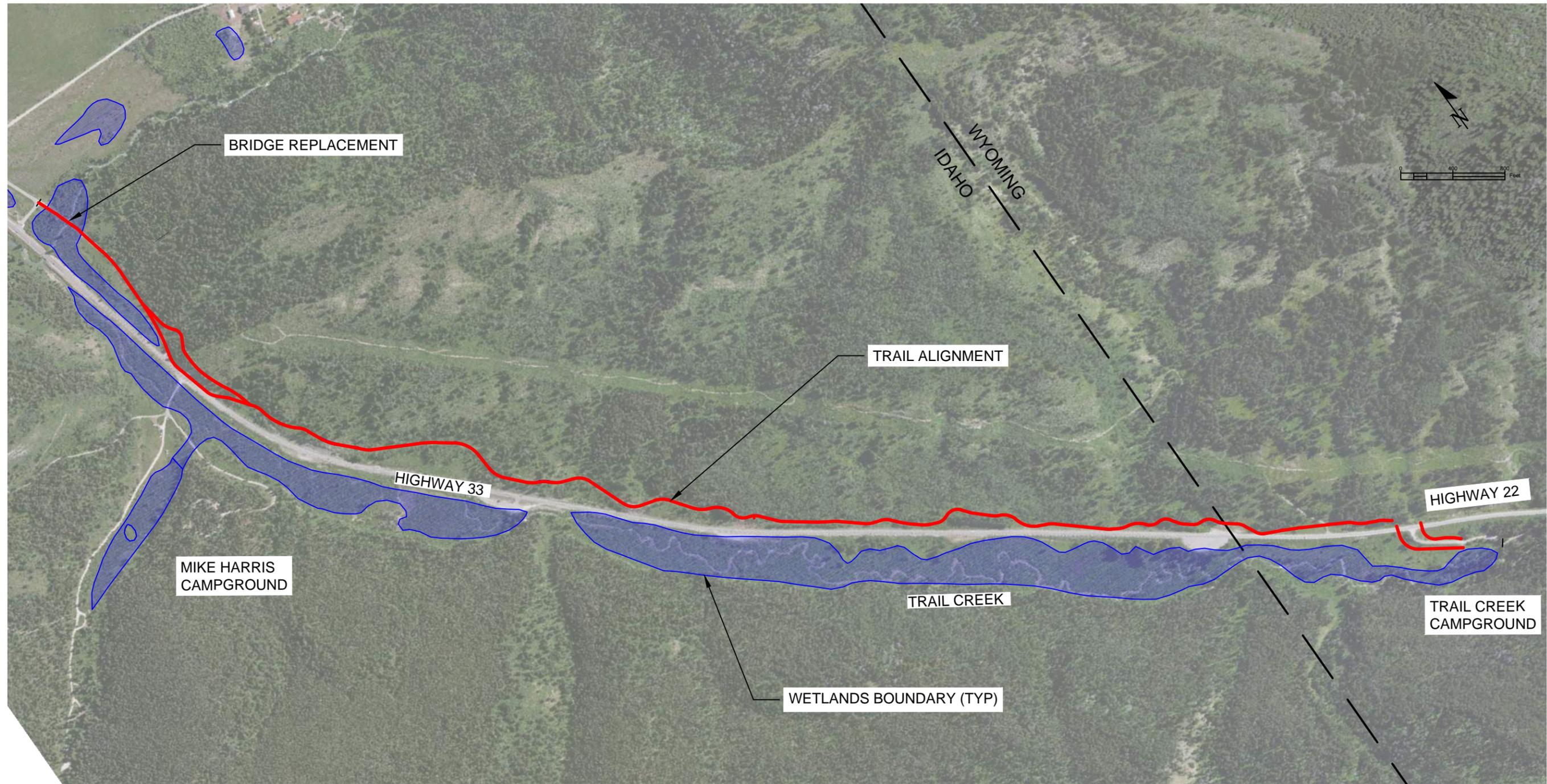


Figure 2. Twelve corrugated metal culverts were evaluated for NRHP eligibility. None are recommended to be eligible either individually or as a grouping.



**Attachment 3: Wetlands Map – Plan View and Vicinity Map (Waters)**

# TETON CENTENNIAL TRAIL - WETLANDS MAP



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**DAVID EVANS  
AND ASSOCIATES INC.**  
 2100 SW River Parkway  
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 Phone: 503.223.6663

PROJECT AREA WETLANDS MAP  
**TETON CENTENNIAL TRAIL  
CONCEPT DESIGN**  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION  
 IDAHO/WYOMING BORDER

REVISIONS:    APPD

DATE: NOV. 19, 2015  
 DESIGN: JABE  
 DRAWN: JABE  
 CHECKED:  
 REVISION  
 NUMBER:

SCALE: 1"=800'

PROJECT NUMBER:  
 FHAX0000-0220

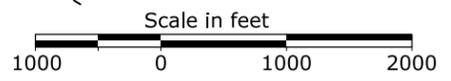
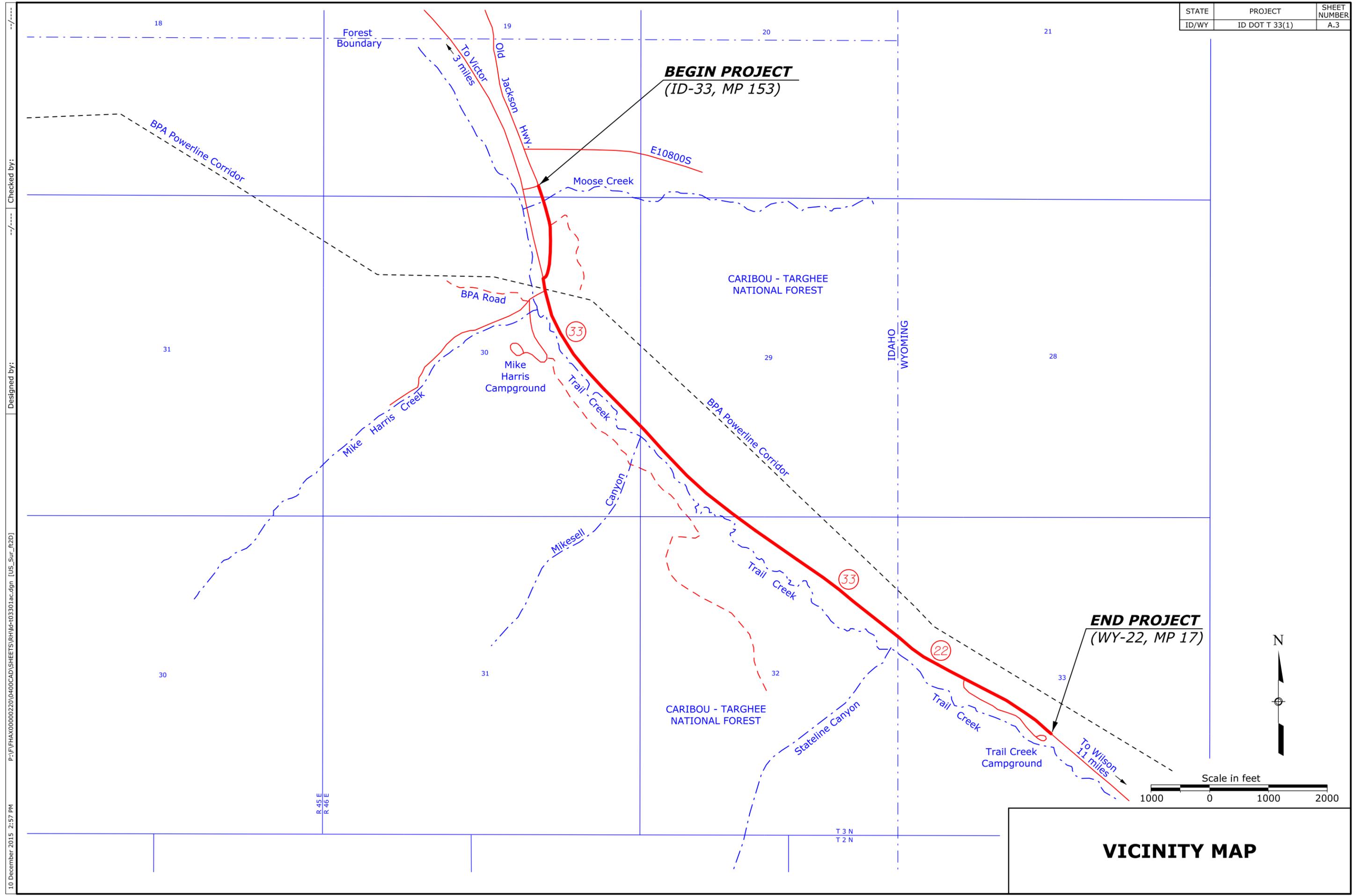
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SHEET NO.

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OF 1

STATE	PROJECT	SHEET NUMBER
ID/WY	ID DOT T 33(1)	A.3

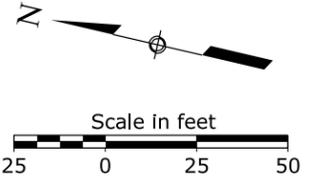


**VICINITY MAP**

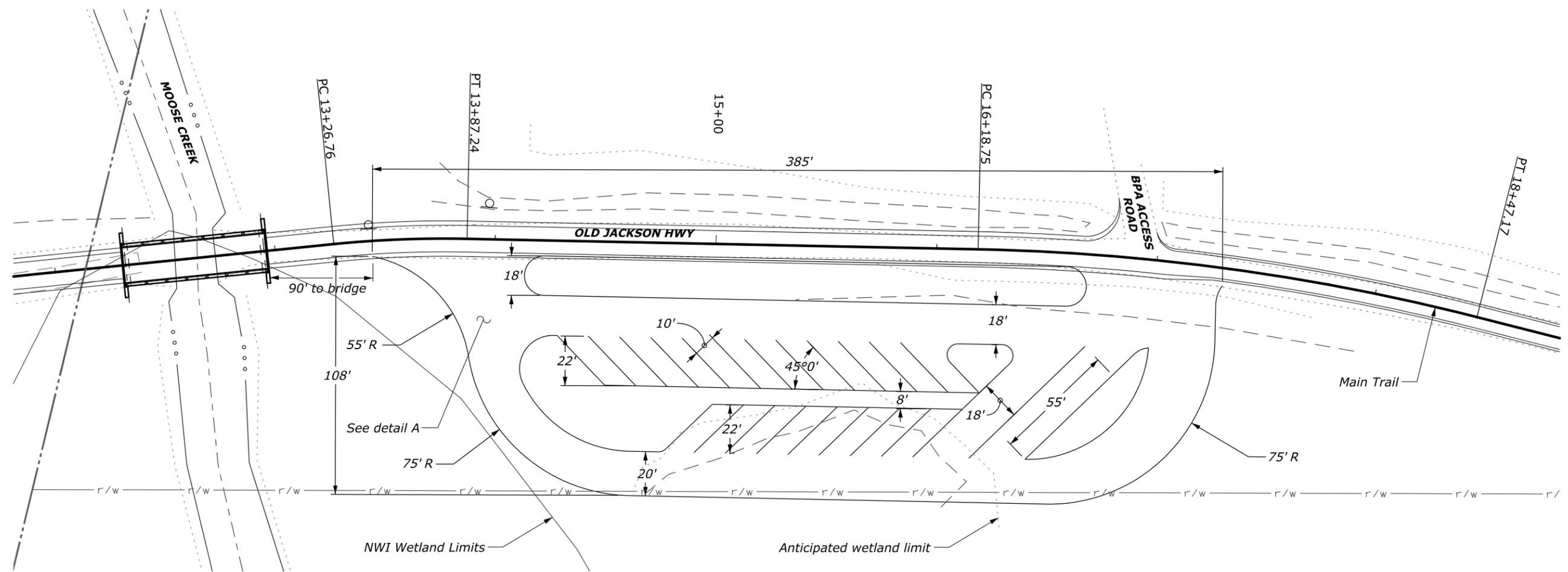
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**Attachment 4: Trailhead Parking Alternatives**

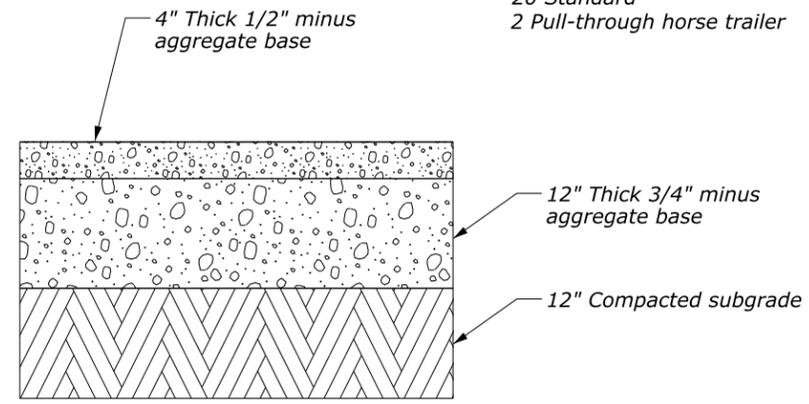
STATE	PROJECT	SHEET NUMBER
OR/WY	ID DOT T 33(1)	S.1



18 December 2015 12:20 PM P:\FHAX00000220\0400CAD\SHEETS\RH\id-03301.ssa.dgn [US\_Sur\_f2D]



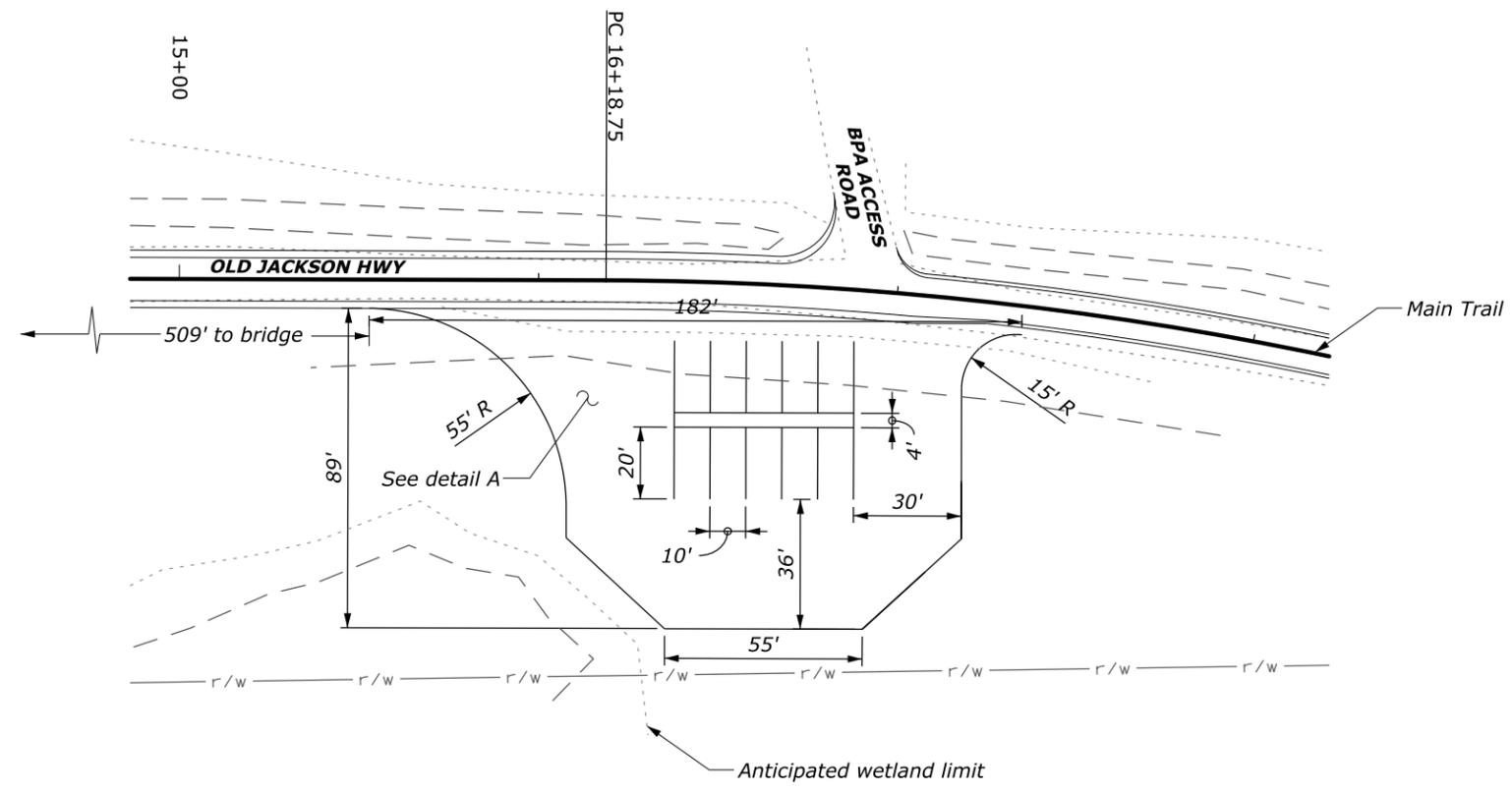
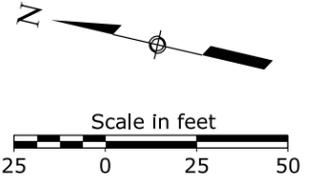
**PARKING STALLS**  
 20 Standard  
 2 Pull-through horse trailer



**DETAIL A**  
**PARKING LOT SURFACING**

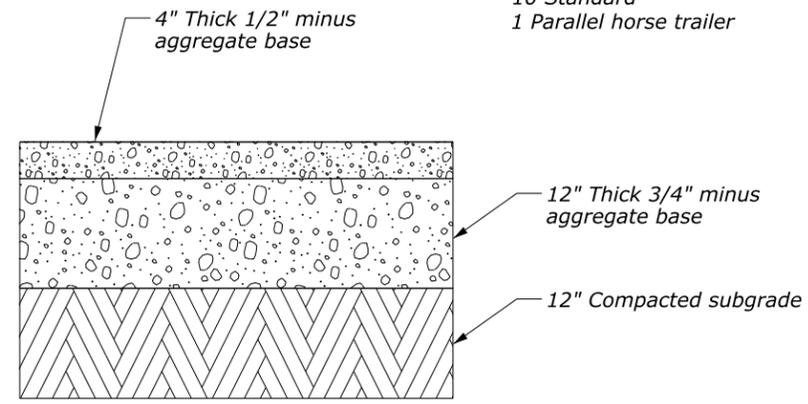
**PARKING LOT ALTERNATIVE A**

STATE	PROJECT	SHEET NUMBER
OR/WY	ID DOT T 33(1)	S.3



**PARKING STALLS**

- 10 Standard
- 1 Parallel horse trailer

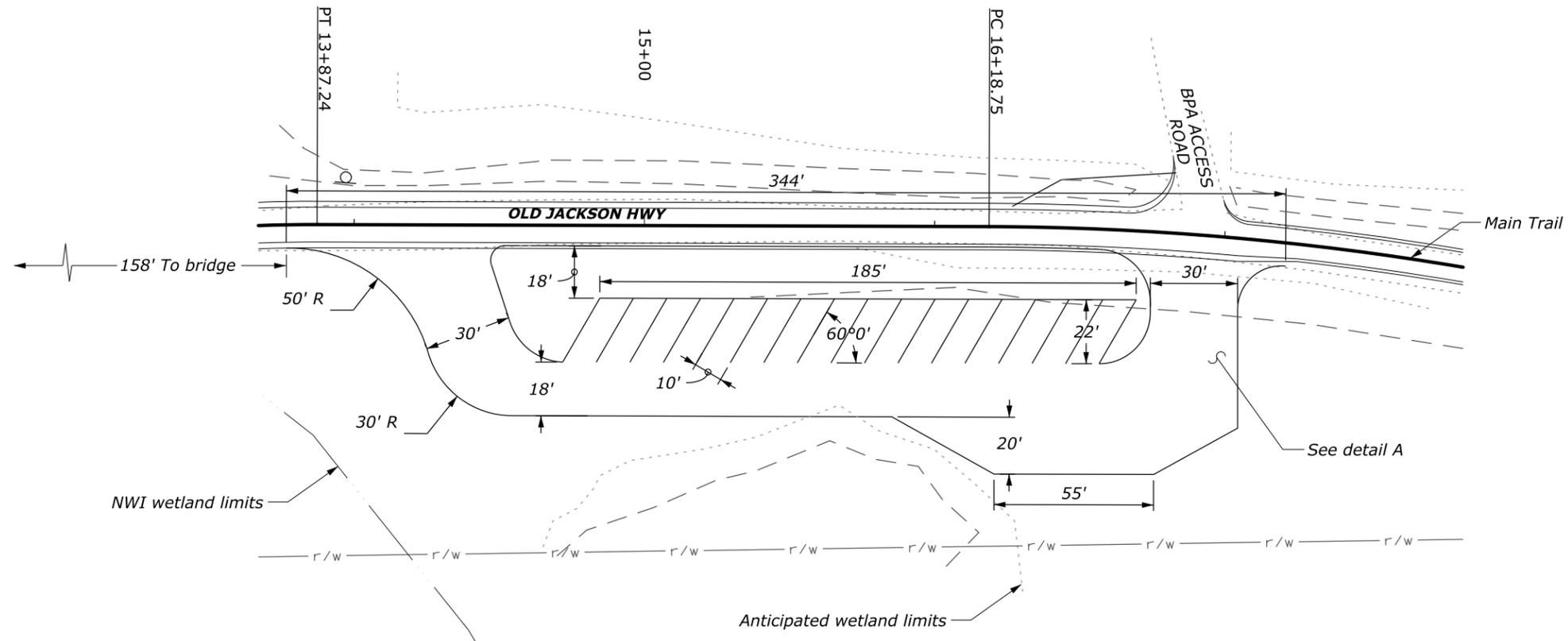
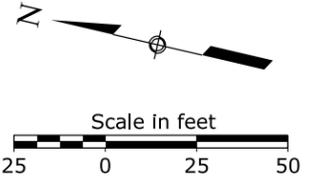


**DETAIL A**  
**PARKING LOT SURFACING**

**PARKING LOT  
ALTERNATIVE B**

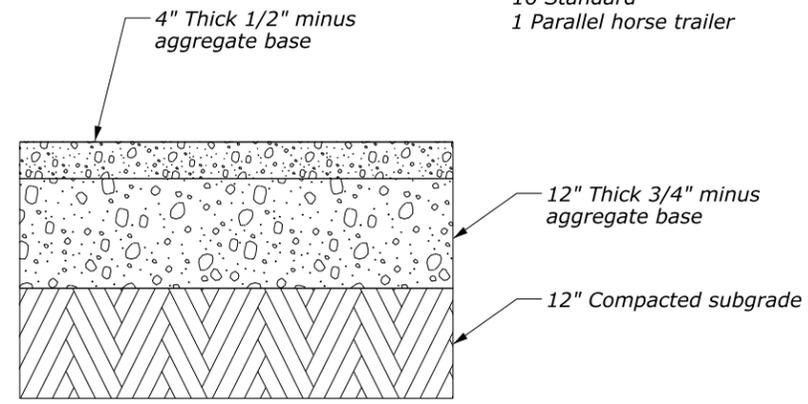
18 December 2015 12:34 PM P:\FHAX00000220\0400CAD\SHEETS\RH\03301.s.dgn [US\_Sur\_f2D]

STATE	PROJECT	SHEET NUMBER
OR/WY	ID DOT T 33(1)	S.2



**PARKING STALLS**

16 Standard  
1 Parallel horse trailer



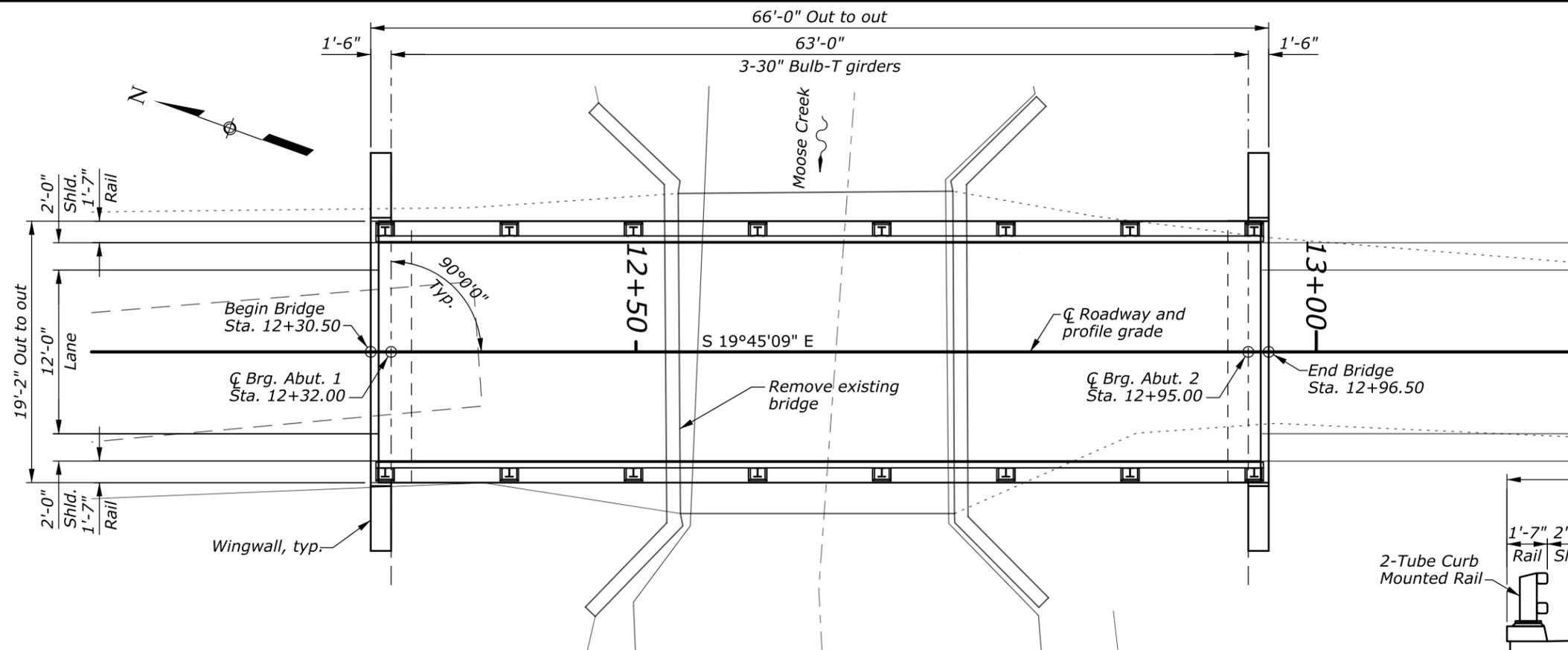
**DETAIL A**  
**PARKING LOT SURFACING**

**PARKING LOT  
ALTERNATIVE C**

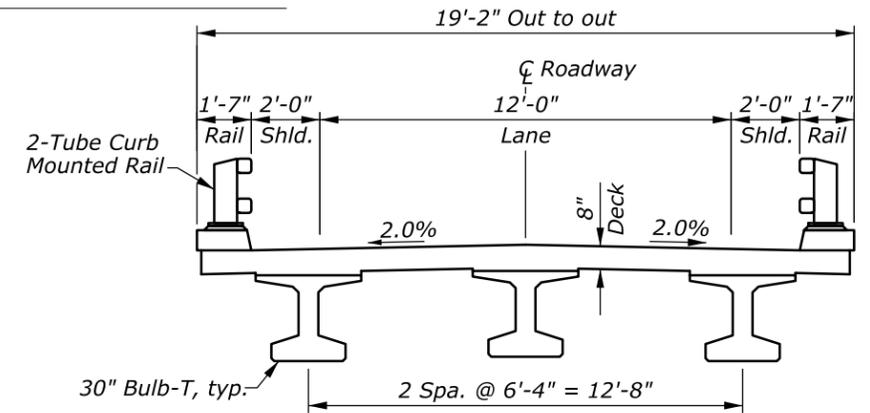
18 December 2015 11:54 AM P:\FHAX00000220\0400CAD\SHEETS\RH\03301.ssb.dgn TUS\_Sur\_f2D]

**Attachment 5: Moose Creek Bridge Conceptual Design**

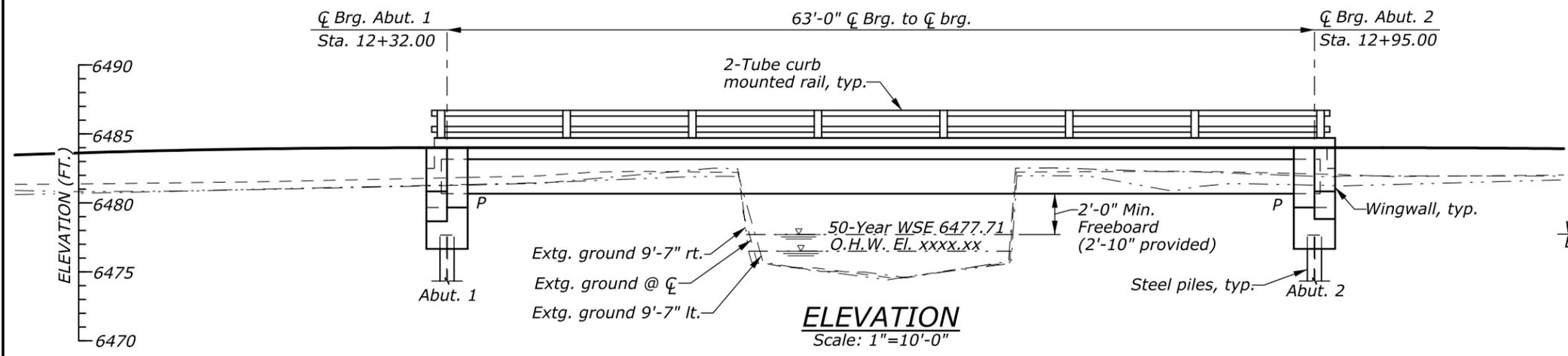




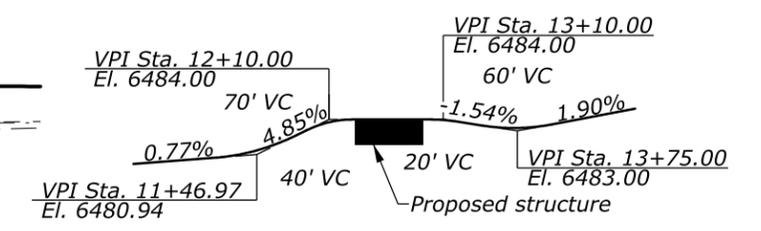
**PLAN**  
Scale: 1"=10'-0"



**TYPICAL SECTION**  
Scale: 3/8" = 1'-0"



**ELEVATION**  
Scale: 1"=10'-0"



**GRADELINE DIAGRAM**  
No Scale

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

TETON CENTENNIAL TRAIL

TARGHEE NATIONAL FOREST  
TETON COUNTY

IDAHO

**PLAN AND ELEVATION AND  
TYPICAL SECTION (ALTERNATIVE B)**

2 December 2015 3:31 PM \\Pdkfs1\project\FHAX0000220\0400CAD\BAS\ES\FHAX0220\_Brdg\_Border.dgn [US\_Sur\_ft2D]

NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	PROJECT TEAM LEADER	BRIDGE DRAWING	DATE	DRAWING NO.
								M. HARLAN	D. ALTENBURG	T. STONES	AS SHOWN ON PLANS	K. Gray	02 of 03	DECEMBER 2015	XXXXXX-X



**Attachment 6: Project Hazardous Materials Evaluation Report**



9750 SW Nimbus Avenue  
Beaverton, OR 97008-7172  
p | 503-641-3478 f | 503-644-8034

## TECHNICAL MEMORANDUM

---

**To:** John Maloney, PE / David Evans and Associates, Inc.

**Date:** November 17, 2015  
**GRI Project No.:** 5728

**From:** George Freitag, CEG; Mike Marshall, RG

**Re:** Hazardous Materials Assessment  
Western Federal Lands Highway Division (WFLHD)  
ID DOT T 33(1), Teton Centennial Trail  
Teton County, Idaho

**DRAFT**

---

This technical memorandum summarizes our hazardous materials assessment for the Teton Centennial Trail project in Teton County, Idaho and Wyoming. Our work was completed in accordance with our agreement with David Evans and Associates, Inc. (DEA) under WFLHD contract DTFH70-10-D-00019, Task Order No. DTFH7015F19006. The purpose of this assessment was to evaluate if recognized environmental conditions (e.g. potential hazardous waste/contaminated sites) are present in the project area. The proposed alignment is shown on the Site Plan, Figure 1.

### SITE AND PROJECT DESCRIPTION

The Teton Centennial Trail project is located in Teton County, Idaho and Teton County, Wyoming. The project is located on the north side of Idaho State Highway 33 and Wyoming State Highway 22 and will include design and construction of a new approximately 2.1-mile bicycle/pedestrian path using portions of the Old Jackson Highway and an existing unimproved dirt trail from Moose Creek in Idaho to the Trail Creek Campground in Wyoming.

As currently planned, the project elements include:

- A10-ft-wide asphalt concrete surfaced path
- Replacement of a bridge at Moose Creek
- Possible retaining walls
- Possible parking lot
- A possible underpass structure or improvement near the Trail Creek Campground to allow pedestrian crossing of Highway 33
- A possible structure or improvement near Mike Harris Campground to allow pedestrian crossing of Highway 33

### PHYSICAL SETTING

The U.S. Geological Survey (USGS) topographic map of the Victor 7.5-minute Quadrangle (2013) indicates the ground surface is at about elevation 6,700 ft (NAVD 88) at the east end of the project and slopes to the west to an elevation of about 6,560 ft near Moose Creek and the Mike Harris Campground at the west end of the project.

Geologic maps for the region indicate the site is mantled by Quaternary alluvial and colluvial deposits (Pampeyan et al., 1967). Underlying the Quaternary deposits are Neogene volcanic rocks consisting of light colored rhyolite tuff. Exposures of the volcanic rocks are predominately observed on the hill slopes to the southwest with occasional exposures on the hill slope to the northeast of the proposed project alignment. Cretaceous to Cambrian sedimentary and metamorphic rocks dipping southwest at approximately 30 to 35 degrees underlie the volcanic rocks. The Jackson Thrust fault and the Cache Creek Thrust fault parallel State Highway 33 / 22 and Trail Creek within the project limits.

Groundwater level measurements were collected during the completion of a water well located north of Moose Creek near the west end of the project in July 1992. The well log indicates static groundwater level was measured at 30 ft below the ground surface. Based on the steep surrounding topography, groundwater in the hill slopes above the project site likely flow toward Trail Creek from both southwest facing and northeast facing hillslopes in the project area.

## **RECORDS REVIEW**

### **Standard Environmental Record Sources**

A desktop records review of Federal, State, and Tribal Environmental Records Sources within the general framework of Section 7 of ASTM E 1527-13 Standard was completed. The review was conducted to evaluate and identify recognized environmental conditions (e.g., potential hazardous waste/contaminated facilities) in connection with properties on or adjacent to the proposed project.

GRI subcontracted with GeoSearch to compile government agency database information for listings of facilities or locations with recognized environmental conditions within one mile of the project site. The report was run on November 11, 2015. A copy of the GeoSearch Database report is provided in Attachment A.

**Findings:** No potential hazardous material facilities were identified within one mile of the project site.

### **Additional Environmental Record Sources**

The Idaho Department of Environmental Quality (DOE) databases were accessed online on November 11, 2015, and a search by map was completed to determine if any facilities of interest were located in the vicinity.

**Findings:** No facilities were reported at or adjacent to the project site in the databases.

### **Historical Use Information**

In November 2015, GRI reviewed aerial photographs dated 1943, 1953, 1965, 1973, 1980, 1987, 1994, 1999, 2003, and 2013 obtained from GeoSearch. A copy of the photographs is included in Attachment B. Land use based on interpretation of the photographs is described below.

Date	Comments
1943	The Old Jackson Road (Idaho State Highway 33) can be observed winding down the Trail Creek valley. A power transmission line is evident north of the road. No other significant land use activities are evident.
1953	No changes are evident from the previous photograph.
1965	It appears that Highway 33 has been realigned and widened since the previous aerial photograph. Portions of the older highway remain visible. Additional road construction can be observed southwest of the western terminus of the project near the Mike Harris Campground.
1973	No changes are evident from the previous photograph.
1980	No changes are evident from the previous photograph.
1987	No changes are evident from the previous photograph.
1994	No changes are evident from the previous photograph.
1999	No changes are evident from the previous photograph.
2003	No changes are evident from the previous photograph.
2013	No changes are evident from the previous photograph.

GRI also obtained and reviewed additional historical topographic maps from 1943, 1978, and 2013. A copy of the topographic maps is included in Attachment C. Land use interpretation of the topographic maps is described below.

Date	Comments
1943	The Old Jackson Road (Idaho State Highway 33) can be observed winding down the Trail Creek valley.
1978	It appears that Highway 33 has been realigned.
2013	No changes are evident from the previous map.

**Findings:** The Old Jackson Road (Idaho State Highway 33) was constructed at the project site sometime prior to 1943. The road was realigned between 1953 and 1965 and abandoned portions of the more sinuous older roadway remain. No significant land use changes could be observed since the 1965 aerial photograph. No buildings or other structures were observed within the vicinity of the project site since 1943.

### **MOOSE CREEK BRIDGE**

The existing Moose Creek Bridge was constructed prior to 1943 and is composed of concrete with timber railing. The potential exists for the railing may have been constructed using chemically treated timber. Some of the surfaces of the bridge may be painted, and the paint could potentially be lead-based.

### **ROADWAY SHOULDER SOIL**

The proposed project includes the use of areas that contain the former highway road. The historical use of lead gasoline additives, lead tire weights, and lead-based paint for road striping has introduced elevated concentrations of lead to surface soils near US highways (Barrett, et al. 1998). Some near-highway surface soils, termed *shoulder soils*, may contain lead at sufficient concentrations to represent potential risk to public health and the environment. The proposed project will likely include some excavation of soil for project alternatives. The Oregon and California state transportation departments have internal policies regarding management of lead-impacted shoulder soil (California Department of Transportation, 2009; Oregon Department of Transportation, 2014).

In our opinion, lead contamination from vehicle use of the transportation corridor may have affected roadway shoulder soil adjacent to the former abandoned highway and existing highway.

## **CONCLUSIONS**

GRI performed a hazardous materials assessment of the Teton Centennial Trail project.

In our opinion, this assessment has not revealed records evidence of off-site hazardous material facilities that could affect the project.

In our opinion, the potential exists for chemically treated timber rails to be present on the existing Moose Creek Bridge. Given the small quantity of timber rail, it may be most practical to assume the rail to be treated and managed/recycled as part of the project plans. Alternatively, the timbers could be sampled to confirm the absence of chemical treatment. The bridge may also have paint that is lead based. Prior to demolition, the surfaces of the bridge should be sampled and evaluated for the potential presence of lead-based paint.

In our opinion, lead contamination from vehicle use of the transportation corridor may have affected roadway shoulder soil adjacent to the former abandoned highway and existing highway. We recommend the project team evaluate the need for additional environmental characterization of shoulder soils that may be impacted by project construction. If project site soils are analyzed for lead, a focused program of local area background testing for naturally occurring concentrations should also be considered.

## **LIMITATIONS AND EXCEPTIONS**

This report has been prepared to assist DEA and WFLHD in evaluating the potential for recognized environmental conditions (e.g. potential hazardous waste/contaminated sites) in the project area. More extensive assessment, including additional historical review, a site visit by an environmental professional, site exploration, soil and groundwater sampling, and chemical analyses, may be used to supplement the information presented by this assessment and reduce uncertainty beyond the level associated with this assessment.

The findings and conclusions presented in this report are based on our interpretation of the information obtained through the assessment procedures described in this report. Note this assessment was limited to a records review and a site visit by an environmental professional was not completed. No other warranty or representation, either expressed or implied, is included or intended in this report.

Submitted for GRI,

George A. Freitag, CEG  
Associate

Michael S. Marshall, RG  
Project Geologist



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**References:**

- Barrett, M.E., Irish, Jr., L.B., Malina, Jr., J.F., Charbeneau, R.J., "Characterization of Highway Runoff in Austin, Texas Area," *Journal of Environmental Engineering*, 124: (No. 2), pp 131-137, (1998).
- California Department of Transportation, July 1, 2009, as amended, Variance from California Environmental Protection Agency, Department of Toxic Substances Control, regarding management of aerially deposited lead impacted soils in Caltrans' rights-of-way, (<http://www.dot.ca.gov/hq/env/haz/pdfs/adl/h295.pdf>)
- Oregon Department of Transportation, September 14, 2014, Geo-Environmental Section Directive, GE 14-01(D), Management of surface soils removed within operational right-of-way, ([http://www.oregon.gov/ODOT/HWY/TECHSERV/docs/tech\\_bulletins/GE14-01d.pdf](http://www.oregon.gov/ODOT/HWY/TECHSERV/docs/tech_bulletins/GE14-01d.pdf))
- Pampeyan, E.H., Schroeder, M.L., Schell, E.M., and Cressman, E.R., 1967, Geologic map of the Driggs quadrangle, Bonneville and Teton Counties, Idaho, and Teton County, Wyoming: U.S. Geological Survey, Mineral Investigations Field Studies Map MF-300, scale 1:31,680
- U.S. Geological Survey, 2013, Topographic map of the Victor, Idaho, quadrangle, 7.5-min. series, scale 1:24,000.



Teton Centennial Trail Project, July 8, 2015

SITE PLAN FROM FILE BY DAVID EVANS AND ASSOCIATES, INC. (DATED NOVEMBER 10, 2015)

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**ATTACHMENT A**  
*GeoSearch Database Report*

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## **Radius Report**

---

[Satellite view](#)

*Target Property:*

**Centennial Trail**

**idaho 33**

**victor, Teton County, Idaho 83455**

*Prepared For:*

**GRI**

**Order #: 59372**

**Job #: 127887**

**Date: 11/12/2015**

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<i>Zip Report</i> . . . . .	See Attachment

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## Disclaimer

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*This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR §312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal, state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR §312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.*

*The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers And independent contractors cannot be held liable For actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.*

## Target Property Summary

### **Centennial Trail**

**idaho 33**

**victor, Teton County, Idaho 83455**

USGS Quadrangle: **Victor, ID**

Target Property Geometry: **Corridor**

Target Property Longitude(s)/Latitude(s):

**(-111.06870, 43.562870), (-111.06699, 43.557490), (-111.06124, 43.552202), (-111.05855, 43.550103), (-111.05383, 43.547428), (-111.04774, 43.544255), (-111.04525, 43.543260)**

County/Parish Covered:

**Teton (ID) , Teton (WY)**

Zipcode(s) Covered:

**Wilson WY: 83014**

**Victor ID: 83455**

State(s) Covered:

**ID,WY**

**\*Target property is located in Radon Zone 2.**

**Zone 2 areas have a predicted average indoor radon screening level between 2 and 4 pCi/L (picocuries per liter).**

*This report may have unlocatable records. Please see the Unlocatables Report, attached to this file.*

## Database Findings Summary

### **FEDERAL LISTING**

#### **Standard Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
EMERGENCY RESPONSE NOTIFICATION SYSTEM	<a href="#">ERNSWY</a>	0	0	TP/AP
EMERGENCY RESPONSE NOTIFICATION SYSTEM	<a href="#">ERNSID</a>	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	<a href="#">EC</a>	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	<a href="#">LUCIS</a>	0	0	TP/AP
RCRA SITES WITH CONTROLS	<a href="#">RCRASC</a>	0	0	TP/AP
NO LONGER REGULATED RCRA GENERATOR FACILITIES	<a href="#">NLRRCRAG</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	<a href="#">RCRAGR10</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	<a href="#">RCRAGR08</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR FACILITIES	<a href="#">RCRANGR08</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR FACILITIES	<a href="#">RCRANGR10</a>	0	0	0.1250
BROWNFIELDS MANAGEMENT SYSTEM	<a href="#">BF</a>	0	0	0.5000
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	<a href="#">CERCLIS</a>	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	<a href="#">DNPL</a>	0	0	0.5000
NO FURTHER REMEDIAL ACTION PLANNED SITES	<a href="#">NFRAP</a>	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	<a href="#">NLRRCRAT</a>	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	<a href="#">RCRAT</a>	0	0	0.5000
NATIONAL PRIORITIES LIST	<a href="#">NPL</a>	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	<a href="#">NLRRCRAC</a>	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	<a href="#">PNPL</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	<a href="#">RCRAC</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	<a href="#">RCRASUBC</a>	0	0	1.0000
<b>SUB-TOTAL</b>		0	0	

#### **Additional Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	<a href="#">AIRSAFS</a>	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	<a href="#">BRS</a>	0	0	TP/AP

## Database Findings Summary

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
CERCLIS LIENS	<a href="#">SFLIENS</a>	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	<a href="#">CDL</a>	0	0	TP/AP
EPA DOCKET DATA	<a href="#">DOCKETS</a>	0	0	TP/AP
FACILITY REGISTRY SYSTEM	<a href="#">FRSID</a>	0	0	TP/AP
FACILITY REGISTRY SYSTEM	<a href="#">FRSWY</a>	0	0	TP/AP
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	<a href="#">HMIRSR08</a>	0	0	TP/AP
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	<a href="#">HMIRSR10</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	<a href="#">ICIS</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">ICISNPDES</a>	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	<a href="#">MLTS</a>	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">NPDESR08</a>	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">NPDESR10</a>	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	<a href="#">PADS</a>	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	<a href="#">PCSR08</a>	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	<a href="#">PCSR10</a>	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	<a href="#">SSTS</a>	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	<a href="#">TSCA</a>	0	0	TP/AP
TOXICS RELEASE INVENTORY	<a href="#">TRI</a>	0	0	TP/AP
HISTORICAL GAS STATIONS	<a href="#">HISTPST</a>	0	0	0.2500
OPEN DUMP INVENTORY	<a href="#">ODI</a>	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	<a href="#">DOD</a>	0	0	1.0000
FORMERLY USED DEFENSE SITES	<a href="#">FUDS</a>	0	0	1.0000
RECORD OF DECISION SYSTEM	<a href="#">RODS</a>	0	0	1.0000
<b>SUB-TOTAL</b>		0	0	

## Database Findings Summary

### STATE (ID) LISTING

#### Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
INSTITUTIONAL AND ENGINEERING CONTROLS REGISTRY	<a href="#">ICEC</a>	0	0	TP/AP
REGISTERED UNDERGROUND STORAGE TANKS	<a href="#">RUST</a>	0	0	0.2500
BROWNFIELD SITES	<a href="#">BF</a>	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS	<a href="#">LUST</a>	0	0	0.5000
REMEDIATION PROGRAM SITES	<a href="#">RP</a>	0	0	0.5000
SOLID WASTE FACILITIES	<a href="#">SWF</a>	0	0	0.5000
VOLUNTARY CLEANUP SITES	<a href="#">VCP</a>	0	0	0.5000
SUB-TOTAL		0	0	

#### Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
CLANDESTINE DRUG LABORATORIES	<a href="#">CDL</a>	0	0	TP/AP
SPILLS LISTING	<a href="#">SPILLS</a>	0	0	TP/AP
UNDERGROUND INJECTION CONTROL WELLS	<a href="#">UIC</a>	0	0	TP/AP
DRY CLEANERS	<a href="#">CLEANERS</a>	0	0	0.2500
SUB-TOTAL		0	0	

### STATE (WY) LISTING

#### Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
SITES WITH INSTITUTIONAL CONTROLS IN PLACE	<a href="#">IC</a>	0	0	TP/AP
STORAGE TANKS	<a href="#">ST</a>	0	0	0.2500
LEAKING STORAGE TANKS	<a href="#">LST</a>	0	0	0.5000
PERMITTED SOLID WASTE FACILITIES	<a href="#">SWF</a>	0	0	0.5000
VOLUNTARY REMEDIATION PROGRAM AND BROWNFIELD SITES	<a href="#">VRPBF</a>	0	0	0.5000
SUB-TOTAL		0	0	

#### Additional Environmental Records

## Database Findings Summary

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
ORPHAN SITES	<a href="#">ORPHANS</a>	0	0	0.5000
SUB-TOTAL		0	0	

## Database Findings Summary

### **TRIBAL LISTING**

#### **Standard Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">USTR08</a>	0	0	0.2500
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">USTR10</a>	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">LUSTR10</a>	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">LUSTR08</a>	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	<a href="#">ODINDIAN</a>	0	0	0.5000
<b>SUB-TOTAL</b>				
		0	0	

#### **Additional Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
INDIAN RESERVATIONS	<a href="#">INDIANRES</a>	0	0	1.0000
<b>SUB-TOTAL</b>				
		0	0	
<b>TOTAL</b>				
		0	0	

## Locatable Database Findings

### FEDERAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
<b>EC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ERNSID</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ERNSWY</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
FRSID	0.0200	0	NS	NS	NS	NS	NS	0
FRSWY	0.0200	0	NS	NS	NS	NS	NS	0
HMIRSR08	0.0200	0	NS	NS	NS	NS	NS	0
HMIRSR10	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	0	NS	NS	NS	NS	NS	0
ICISNPDES	0.0200	0	NS	NS	NS	NS	NS	0
<b>LUCIS</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDESR08	0.0200	0	NS	NS	NS	NS	NS	0
NPDESR10	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR08	0.0200	0	NS	NS	NS	NS	NS	0
PCSR10	0.0200	0	NS	NS	NS	NS	NS	0
<b>RCRASC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
<b>NLRRCRAG</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRAGR08</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRAGR10</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRANGR08</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRANGR10</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
HISTPST	0.2500	0	0	0	NS	NS	NS	0
<b>BF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>CERCLIS</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>DNPL</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>NFRAP</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>

## Locatable Database Findings

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<b>NLRRCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
ODI	0.5000	0	0	0	0	NS	NS	0
<b>RCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	0	NS	0
<b>NLRRCRAC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>NPL</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>PNPL</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>RCRAC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>RCRASUBC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
RODS	1.0000	0	0	0	0	0	NS	0
<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Locatable Database Findings

### STATE (ID) LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
CDL	0.0200	0	NS	NS	NS	NS	NS	0
<b>ICEC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SPILLS	0.0200	0	NS	NS	NS	NS	NS	0
UIC	0.0200	0	NS	NS	NS	NS	NS	0
CLEANERS	0.2500	0	0	0	NS	NS	NS	0
<b>RUST</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>BF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LUST</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RP</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SWF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>VCP</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Locatable Database Findings

### STATE (WY) LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<b>IC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ST</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LST</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ORPHANS</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SWF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>VRPBF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Locatable Database Findings

### **TRIBAL LISTING**

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<b>USTR08</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>USTR10</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LUSTR08</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LUSTR10</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ODINDIAN</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>INDIANRES</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

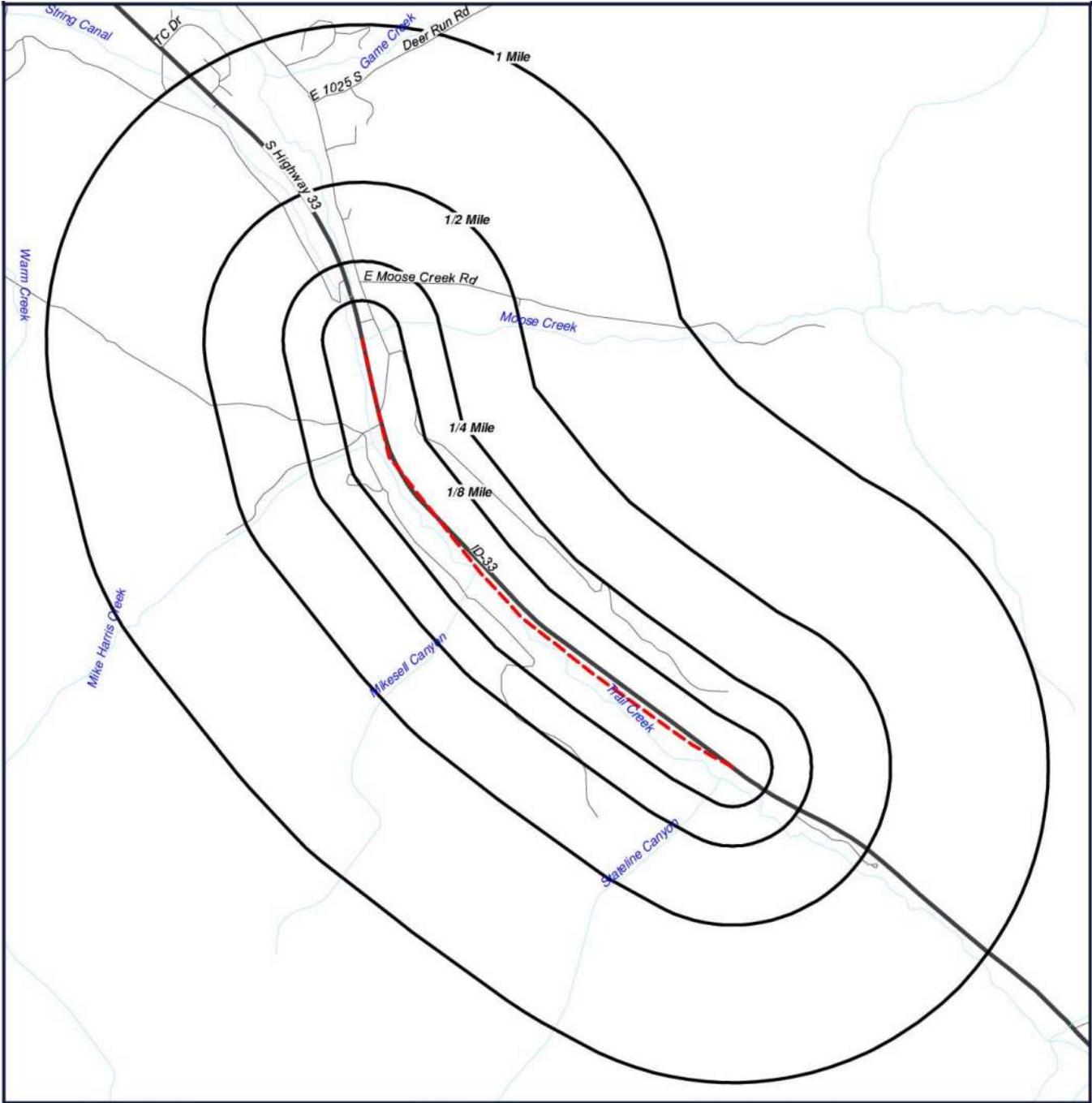
<b>TOTAL</b>		<b>0</b>						
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**NOTES:**

**NS = NOT SEARCHED**

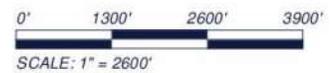
**TP/AP = TARGET PROPERTY/ADJACENT PROPERTY**

# Radius Map 1



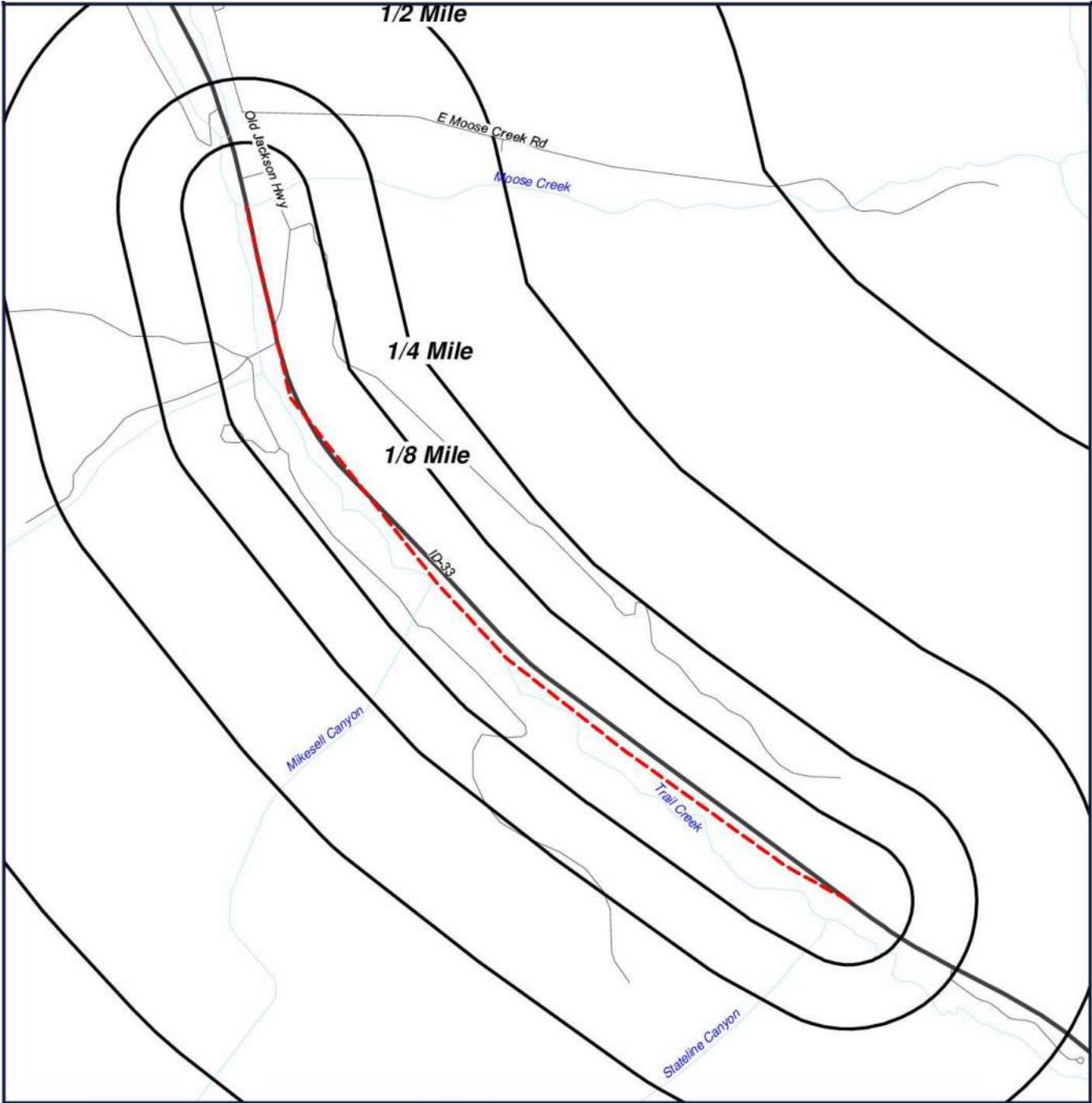
 Target Property (TP)

**Centennial Trail**  
**Idaho 33**  
**victor, Idaho**  
**83455**



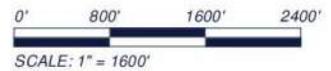
[Click here to access Satellite view](#)

# Radius Map 2



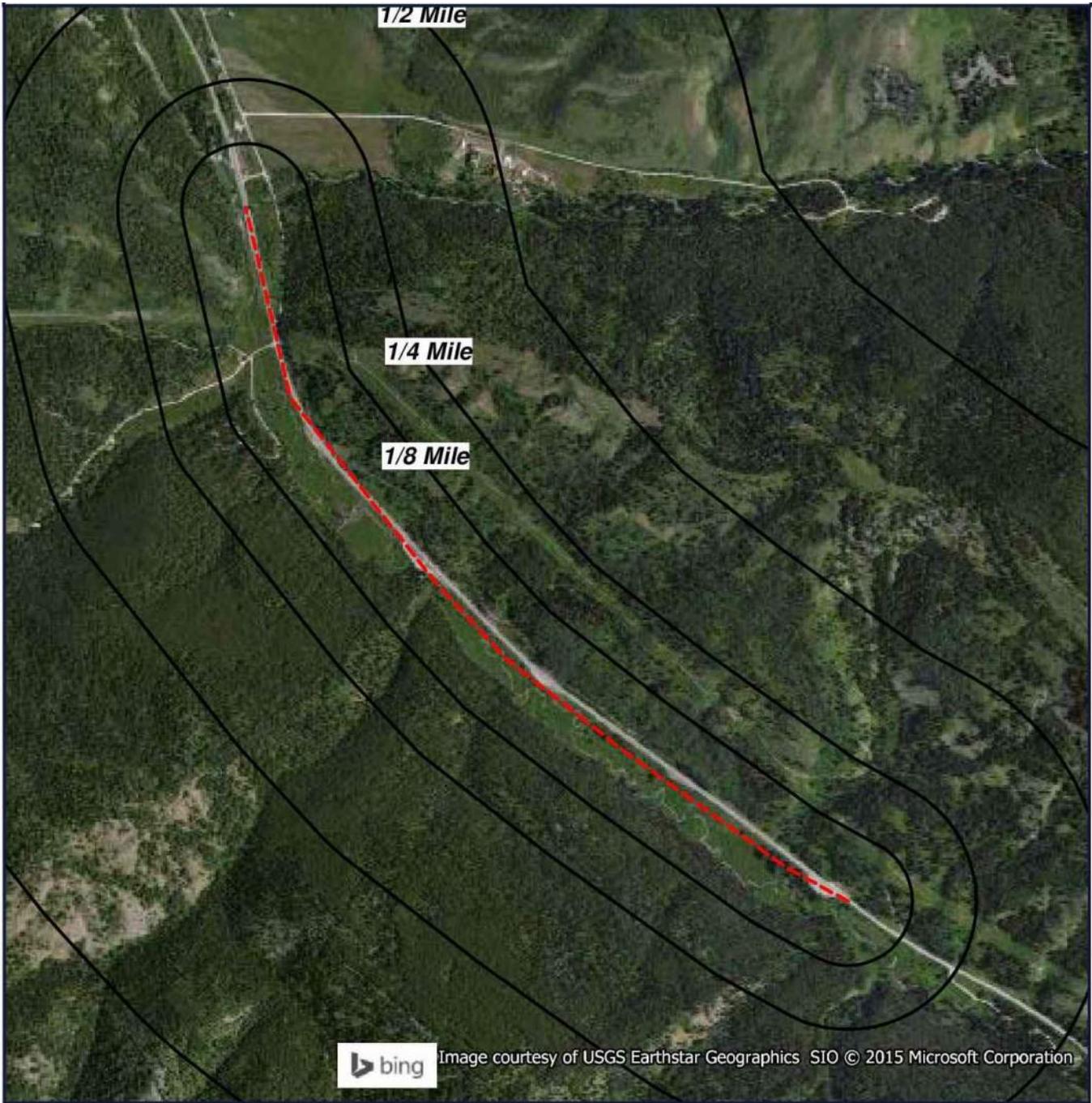
 Target Property (TP)

**Centennial Trail  
Idaho 33  
Victor, Idaho  
83455**



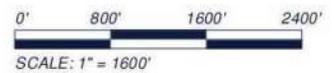
[Click here to access Satellite view](#)

# Ortho Map



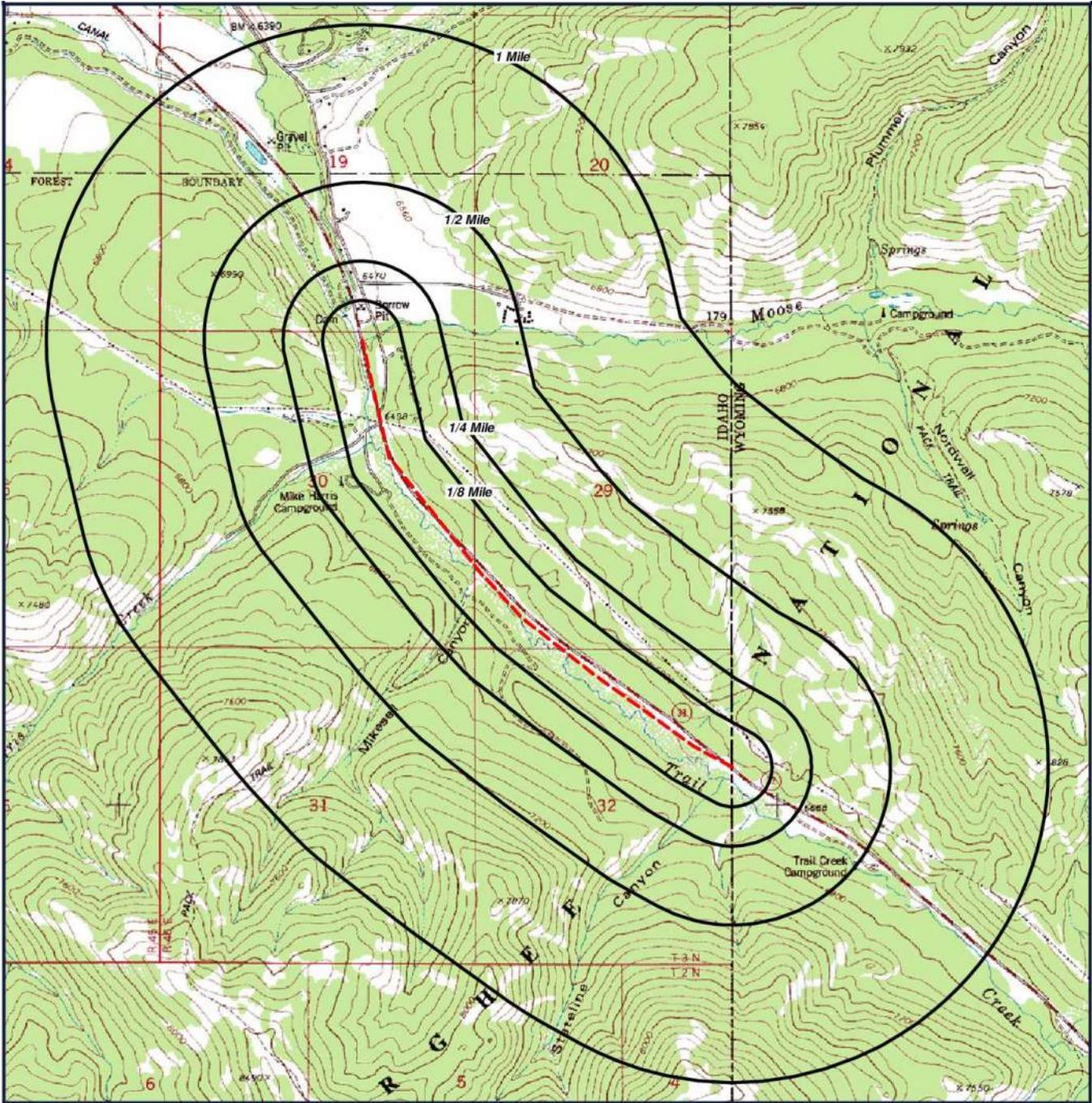
--- Target Property (TP)

**Quadrangle(s): Victor  
Centennial Trail  
idaho 33  
victor, Idaho  
83455**



[Click here to access Satellite view](#)

# Topographic Map



Target Property (TP)

Quadrangle(s): Victor  
Source: USGS, 1978  
Centennial Trail  
idaho 33  
victor, Idaho  
83455



0' 1300' 2600' 3900'  
SCALE: 1" = 2600'

[Click here to access Satellite view](#)

## ***Unlocatable Summary***

*This list contains sites that could not be mapped due to limited or incomplete address information.*

*No Records Found*

## ***Environmental Records Definitions - FEDERAL***

**AIRSAFS** Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

**BRS** Biennial Reporting System

VERSION DATE: 12/31/11

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

**CDL** Clandestine Drug Laboratory Locations

VERSION DATE: 07/02/15

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

**DOCKETS** EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

**EC** Federal Engineering Institutional Control Sites

VERSION DATE: 08/03/15

This database includes site locations where Engineering and/or Institutional Controls have been identified as part

## ***Environmental Records Definitions - FEDERAL***

of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

**ERNSID** Emergency Response Notification System

VERSION DATE: 05/10/15

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

**ERNSWY** Emergency Response Notification System

VERSION DATE: 05/10/15

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

**FRSID** Facility Registry System

VERSION DATE: 07/20/15

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

**FRSWY** Facility Registry System

VERSION DATE: 07/20/15

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

**HMIRSR08** Hazardous Materials Incident Reporting System

VERSION DATE: 11/08/15

## **Environmental Records Definitions - FEDERAL**

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**HMIRSR10** Hazardous Materials Incident Reporting System

VERSION DATE: 11/08/15

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 10. This region includes the following states: Alaska, Idaho, Oregon, Washington, and 271 Native Tribes.

**ICIS** Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 10/20/14

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

**ICISNPDES** Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 10/20/14

In 2006, the Integrated Compliance Information System (ICIS) - National Pollutant Discharge Elimination System (NPDES) became the NPDES national system of record for select states, tribes and territories. ICIS-NPDES is an information management system maintained by the United States Environmental Protection Agency's Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

**LUCIS** Land Use Control Information System

VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**MLTS** Material Licensing Tracking System

VERSION DATE: 03/11/15

## **Environmental Records Definitions - FEDERAL**

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements.

**NPDES08** National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. This database includes permitted facilities located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data.

**NPDES10** National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. This database includes permitted facilities located in EPA Region 10. This region includes the following states: Alaska, Idaho, Oregon, Washington, and 271 Native Tribes. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data.

**PADS** PCB Activity Database System

VERSION DATE: 07/01/14

The PCB Activity Database System (PADS) is used by the United States Environmental Protection Agency to monitor the activities of polychlorinated biphenyls (PCB) handlers.

**PCSR08** Permit Compliance System

VERSION DATE: 08/01/12

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

## ***Environmental Records Definitions - FEDERAL***

**PCSR10** Permit Compliance System

VERSION DATE: 08/01/12

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 10. This region includes the following states: Alaska, Idaho, Oregon, Washington, and 271 Native Tribes. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

**RCRASC** RCRA Sites with Controls

VERSION DATE: 05/19/15

This list of Resource Conservation and Recovery Act sites with institutional controls in place is provided by the U.S. Environmental Protection Agency.

**SFLIENS** CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete.

**SSTS** Section Seven Tracking System

VERSION DATE: 12/08/14

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

**TRI** Toxics Release Inventory

VERSION DATE: 12/31/13

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released

## ***Environmental Records Definitions - FEDERAL***

each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

**TSCA** Toxic Substance Control Act Inventory

VERSION DATE: 12/31/06

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

**NLRRCRAG** No Longer Regulated RCRA Generator Facilities

VERSION DATE: 10/13/15

This database includes RCRA Generator facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly generated hazardous waste.

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

## ***Environmental Records Definitions - FEDERAL***

**RCRAGR08**

Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 10/13/15

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**Large Quantity Generators:** Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

**Small Quantity Generators:** Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

**Conditionally Exempt Small Quantity Generators:** Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

**RCRAGR10**

Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 10/13/15

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 10. This region includes the following states: Alaska, Idaho, Oregon, Washington, and 271 Native Tribes.

**Large Quantity Generators:** Generate 1,000 kg or more of hazardous waste during any calendar month; or

## ***Environmental Records Definitions - FEDERAL***

Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

### **RCRANGR08**

Resource Conservation & Recovery Act - Non-Generator Facilities

VERSION DATE: 10/13/15

This database identifies RCRAInfo system sites that only handle hazardous waste, such as transporters, without generating any amount hazardous waste. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

### **RCRANGR10**

Resource Conservation & Recovery Act - Non-Generator Facilities

VERSION DATE: 10/13/15

This database identifies RCRAInfo system sites that only handle hazardous waste, such as transporters, without generating any amount hazardous waste. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 10. This region includes the following states: Alaska, Idaho, Oregon, Washington, and 271 Native Tribes.

## ***Environmental Records Definitions - FEDERAL***

**HISTPST** Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**BF** Brownfields Management System

VERSION DATE: 10/08/15

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

**CERCLIS** Comprehensive Environmental Response, Compensation & Liability Information System

VERSION DATE: 10/25/13

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This United States Environmental Protection Agency database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk. In 2014, the Superfund Program implemented a new information system, the Superfund Enterprise Management System (SEMS). Efforts to migrate data to SEMS and to enhance data quality control are now in the final stages. The Program will continue to rely on the final CERCLIS data set (dated November 12, 2013, which reflects official end of Fiscal Year 2013 Program progress) for public reporting until a complete and accurate SEMS data set is available.

**DNPL** Delisted National Priorities List

VERSION DATE: 07/22/15

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

**NFRAP** No Further Remedial Action Planned Sites

VERSION DATE: 10/25/13

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the National Priorities List, or the contamination was not serious enough to require Federal Superfund action.

## ***Environmental Records Definitions - FEDERAL***

**NLRRCRAT** No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 10/13/15

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

**ODI** Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

**RCRAT** Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 10/13/15

This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**DOD** Department of Defense Sites

VERSION DATE: 06/21/10

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

**FUDS** Formerly Used Defense Sites

VERSION DATE: 06/01/15

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. **DISCLAIMER:** This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to

## ***Environmental Records Definitions - FEDERAL***

insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

**NLRRCRAC** No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 10/13/15

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

**NPL** National Priorities List

VERSION DATE: 07/22/15

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

**PNPL** Proposed National Priorities List

VERSION DATE: 07/22/15

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

**RCRAC** Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 10/13/15

This database includes all hazardous waste sites with ongoing corrective action activity and where corrective action is statutorily required to be address but have not had corrective action imposed in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**RCRASUBC** Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 10/13/15

This database includes hazardous waste sites which are potentially subject to corrective action regardless of

## ***Environmental Records Definitions - FEDERAL***

whether they have correction action underway, plus any sites showing a corrective action event of RFI or beyond in the RCRAInfo system. Sites conducting corrective action under analogous state authorities are also included. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

**RODS** Record of Decision System

VERSION DATE: 07/01/13

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

## ***Environmental Records Definitions - STATE (ID)***

**CDL**                      Clandestine Drug Laboratories

VERSION DATE: 01/26/15

This list of Clandestine Drug Laboratories is provided by the Idaho Department of Health and Welfare (IDHW). Senate Bill 1122 gave the IDHW the authority and responsibility to develop and maintain a program that lists properties that were used as clandestine drug labs. The IDHW has put together guidance to assist local agencies, property owners, contractors and the general public in addressing contamination at former meth labs.

**ICEC**                      Institutional and Engineering Controls Registry

VERSION DATE: 10/08/15

This list of Environmental Covenants is provided by the Idaho Department of Environmental Quality (DEQ). According to the DEQ, an environmental covenant is a legal instrument recorded on real property and governed by the Uniform Environmental Covenants Act. An environmental covenant can only be used on properties that are the subject of an environmental response project under the oversight of the DEQ. An environmental covenant commonly used as a component of a risk-based cleanup to control the potential risks posed by residual contamination, protect the integrity of the cleanup action, and ensure continued protection of human health and the environment.

**SPILLS**                      Spills Listing

VERSION DATE: 09/10/15

The Idaho Department of Health and Welfare (IDHM) maintains this list of hazardous materials spills and releases. The information is recorded through the State of Idaho's Central Communications Center.

**UIC**                      Underground Injection Control Wells

VERSION DATE: 10/09/15

This is a list of injection wells in the Idaho Department of Water Resources (IDWR) Underground Injection Control (UIC) Program Injection Well database. IDWR is the state agency with primacy for injection wells in Idaho. Injection wells are generally defined as any subsurface fluid distribution system.

**CLEANERS**                      Dry Cleaners

VERSION DATE: 12/31/02

The Idaho Department of Environmental Quality (DEQ) gathered air quality data on dry cleaners as part of a Tier I applicability project during 2001 and 2002. The Environmental Protection Agency (EPA) has since determined that dry cleaners are not applicable to this program unless they are a major source. None of the dry cleaners in Idaho are major sources and as such, DEQ no longer maintains updated information on dry cleaners.

## ***Environmental Records Definitions - STATE (ID)***

**RUST** Registered Underground Storage Tanks

VERSION DATE: 10/08/15

This underground storage tank database is provided by the Idaho Department of Environmental Quality (DEQ) and includes active and closed underground storage tanks.

**BF** Brownfield Sites

VERSION DATE: 10/08/15

The Idaho Department of Environmental Quality (DEQ) maintains this list of brownfield program sites. According to the DEQ, a brownfield site is a vacant or underutilized property where redevelopment or reuse is complicated by actual or perceived environmental contamination.

**LUST** Leaking Underground Storage Tanks

VERSION DATE: 10/08/15

The Idaho Department of Environmental Quality (DEQ) maintains this list of leaking underground storage tanks (LUST). The DEQ LUST program provides for the oversight and cleanup of petroleum releases from state-regulated underground storage tanks.

**RP** Remediation Program Sites

VERSION DATE: 10/08/15

The Idaho Department of Environmental Quality (DEQ) Waste Management and Remediation Division oversees various sites and facilities that generate or manage wastes or have released wastes into the environment and require remediation. The DEQ Waste Management & Remediation Division categorizes sites into various regulatory programs. The programs included within this list are LUST, UST, RCRA, Brownfields, VCP, NPL, Installation Restoration Program, Mine, Solid Waste, General Remediation, FUDS, and Other- Industrial Preliminary Assessment Program sites.

**SWF** Solid Waste Facilities

VERSION DATE: 10/08/15

The Idaho Department of Environmental Quality (DEQ) provides this list of solid waste facilities. The DEQ is designated as the state agency responsible for regulating most solid waste management facilities in Idaho, including landfills, incinerators, transfer stations, processing facilities, and wood or mill yard debris facilities under the Idaho Solid Waste Facilities Act and IDAPA 58.01.06.

**VCP** Voluntary Cleanup Sites

VERSION DATE: 10/08/15

## ***Environmental Records Definitions - STATE (ID)***

The Idaho Department of Environmental Quality (DEQ) maintains this list of Voluntary Cleanup Program (VCP) sites. The DEQ VCP program was created in 1996 by the Idaho Land Remediation Act to encourage innovation and cooperation between the state, local communities, and private parties to revitalize properties with hazardous substance or petroleum contamination.

## **Environmental Records Definitions - STATE (WY)**

**IC** Sites with Institutional Controls in Place

VERSION DATE: 09/17/15

As defined by the Wyoming Department of Environmental Quality (DEQ), institutional controls are legal or administrative measures that limit human exposure to contaminants. Examples include use control areas, easements, zoning restrictions, and deed notices. They are intended to bolster the integrity of remedies and minimize the potential exposure to contamination by limiting land or resource use. This list of sites with institutional controls in place is provided by the DEQ's Voluntary Remediation Program.

**ST** Storage Tanks

VERSION DATE: 07/01/15

This listing contains active and inactive storage tank facilities regulated by the Wyoming Department of Environmental Quality's Storage Tank Program (STP). The STP regulates underground storage tanks (USTs) that contain petroleum or hazardous substances; USTs that are larger than 110 gallons or 1,100 gallons on a farm, ranch, or residence; and those that are not heating oil tanks. The STP regulates aboveground storage tanks (ASTs) only if they contain gasoline or diesel, and they are used by a fuel dealer to directly fuel vehicles. The STP does not regulate septic tanks, water storage tanks, hazardous substance ASTs, heating oil tanks, bulk plants, oil refineries, interstate pipeline breakout tanks, or temporary construction ASTs.

**LST** Leaking Storage Tanks

VERSION DATE: 07/01/15

This listing of active storage tank facilities with contamination is provided by the Wyoming Department of Environmental Quality's Storage Tank Program (STP). According to Wyoming Statutes 35-11-1414 through 35-11-1428, the state is responsible for remediation of releases from regulated underground storage tanks and certain aboveground storage tanks. The STP rules and regulations apply to all regulated storage tanks in Wyoming. Storage tank owners/operators are entitled to the state corrective action program if they register their tank(s), pay applicable fees, and complete a minimum site assessment (if applicable). State management of remediation is optional for owners; however, almost no tank system owners have elected to complete cleanup at their expense.

**ORPHANS** Orphan Sites

VERSION DATE: 04/10/15

The Orphan Site listing is provided by the Wyoming Department of Environmental Quality (DEQ). Under the Environmental Quality Act "Orphan Sites" are defined as: Sites where the DEQ determines that there is no viable party that is responsible for causing or contributing to the contamination present at the site; Sites where DEQ has issued a no further action letter, and where there is a subsequent discovery of contamination which was present at the site when the no further action letter was issued; Spill sites, where DEQ determines that the person responsible for the spill cannot be identified or where DEQ must take prompt action to prevent hazards to human health or the environment at a site where a responsible party fails to act promptly.

## ***Environmental Records Definitions - STATE (WY)***

**SWF** Permitted Solid Waste Facilities

VERSION DATE: 02/04/13

This listing of permitted solid waste facilities is provided by the Solid and Hazardous Waste Division (SHWD) of the Wyoming Department of Environmental Quality. The SHWD's Solid Waste and Permitting Corrective Action Program is responsible for permitting the location, design, construction, operation, monitoring, closure and post-closure care and remediation of solid waste management facilities. The solid waste facilities that are regulated by this program include local community landfills (both operating and closed), municipal waste baling stations and transfer facilities, industrial waste landfills, industrial waste treatment facilities and units, and used oil storage facilities.

**VRPBF** Voluntary Remediation Program and Brownfield Sites

VERSION DATE: 09/17/15

Wyoming's Voluntary Remediation Program (VRP) was created by the Wyoming Legislature in 2000 to create new opportunities, procedures, standards and incentives for voluntary remediation of contaminated properties. In order to encourage more people to participate in the VRP, the Wyoming Department of Environmental Quality (DEQ) obtained a grant from the U.S. Environmental Protection Agency to provide technical assistance (Brownfields Assistance) at brownfield properties that are eligible to participate in Wyoming's VRP. This DEQ listing contains both VRP and Brownfield properties.

## ***Environmental Records Definitions - TRIBAL***

**USTR08**                      Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/01/15

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**USTR10**                      Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/01/15

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 10. This region includes the following states: Alaska, Idaho, Oregon, Washington, and 271 Native Tribes.

**LUSTR08**                      Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/01/15

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**LUSTR10**                      Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/01/15

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 10. This region includes the following states: Alaska, Idaho, Oregon, Washington, and 271 Native Tribes.

**ODINDIAN**                      Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

**INDIANRES**                      Indian Reservations

VERSION DATE: 01/01/00

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

***Environmental Records Definitions - TRIBAL***

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**ATTACHMENT B**  
*Aerial Photographs*



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## ***Historical Aerial Photographs***

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<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000127889>

*Click on link above to access the map and satellite view of current property*

*Target Property:*

***Centennial Trail***

***idaho 33***

***victor, Teton County, Idaho 83455***

*Prepared For:*

***GRI***

***Order #: 59372***

***Job #: 127889***

***Date: 11/13/2015***

## TARGET PROPERTY SUMMARY

### **Centennial Trail**

**idaho 33**

**victor, Teton County, Idaho 83455**

USGS Quadrangle: **Victor, ID**

Target Property Geometry: **Corridor**

Target Property Longitude(s)/Latitude(s):

**(-111.068709, 43.562870), (-111.066992, 43.557490), (-111.061242, 43.552203), (-111.058559, 43.550103), (-111.053839, 43.547428), (-111.047745, 43.544256), (-111.045256, 43.543260)**

County/Parish Covered:

**Teton (ID), Teton (WY)**

Zipcode(s) Covered:

**Victor ID: 83455**

**Wilson WY: 83014**

State(s) Covered:

**ID, WY**

**\*Target property is located in Radon Zone 2.**

**Zone 2 areas have a predicted average indoor radon screening level between 2 and 4 pCi/L (picocuries per liter).**

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**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USDA  
**DATE:** 2013  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'



**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USDA  
**DATE:** 2003  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'

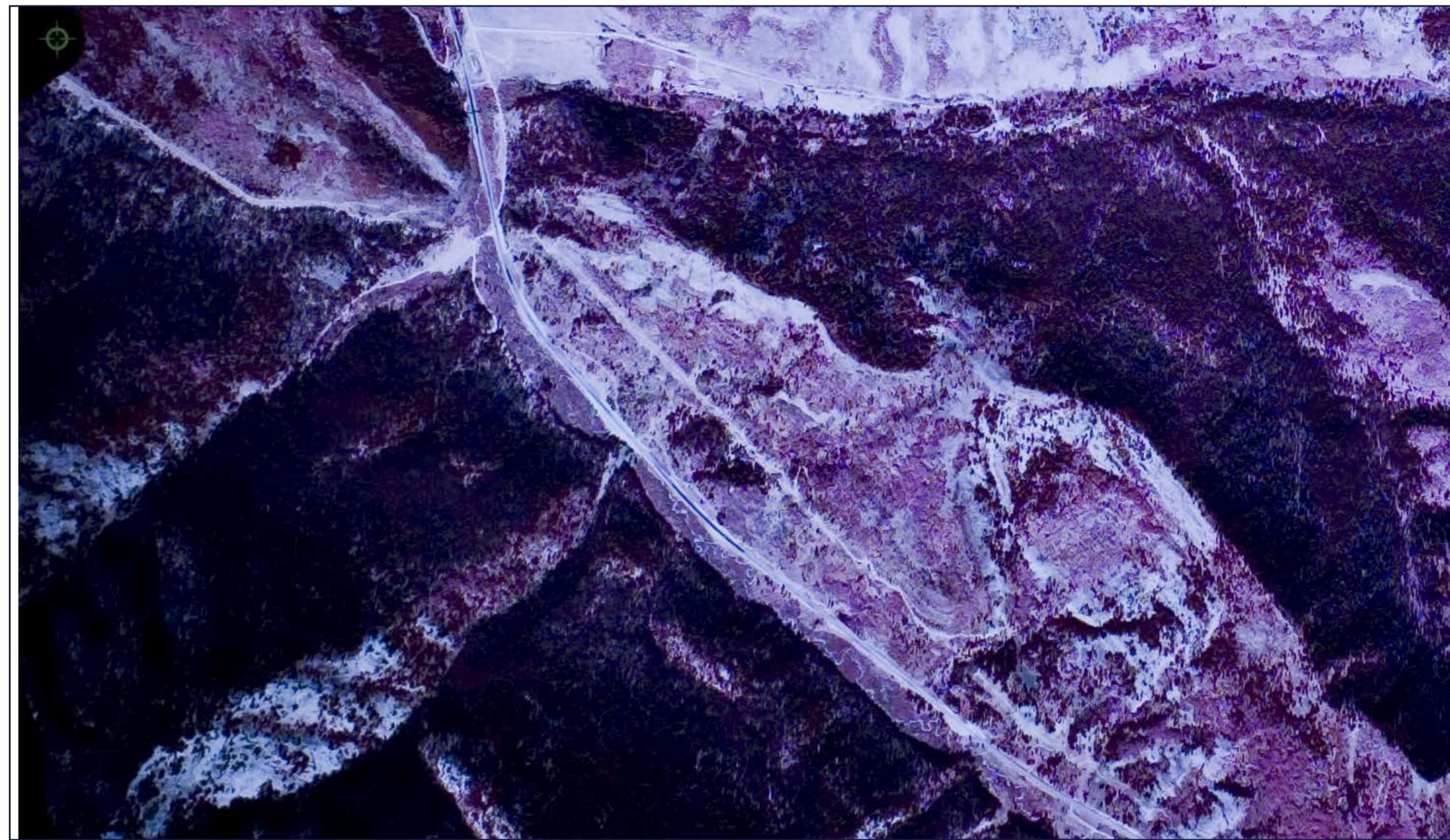


**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USGS  
**DATE:** 07/23/1999  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'



**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USGS  
**DATE:** 09/05/1994  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'





**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USGS  
**DATE:** 09/10/1987  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'



**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USGS  
**DATE:** 07/27/1980  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'



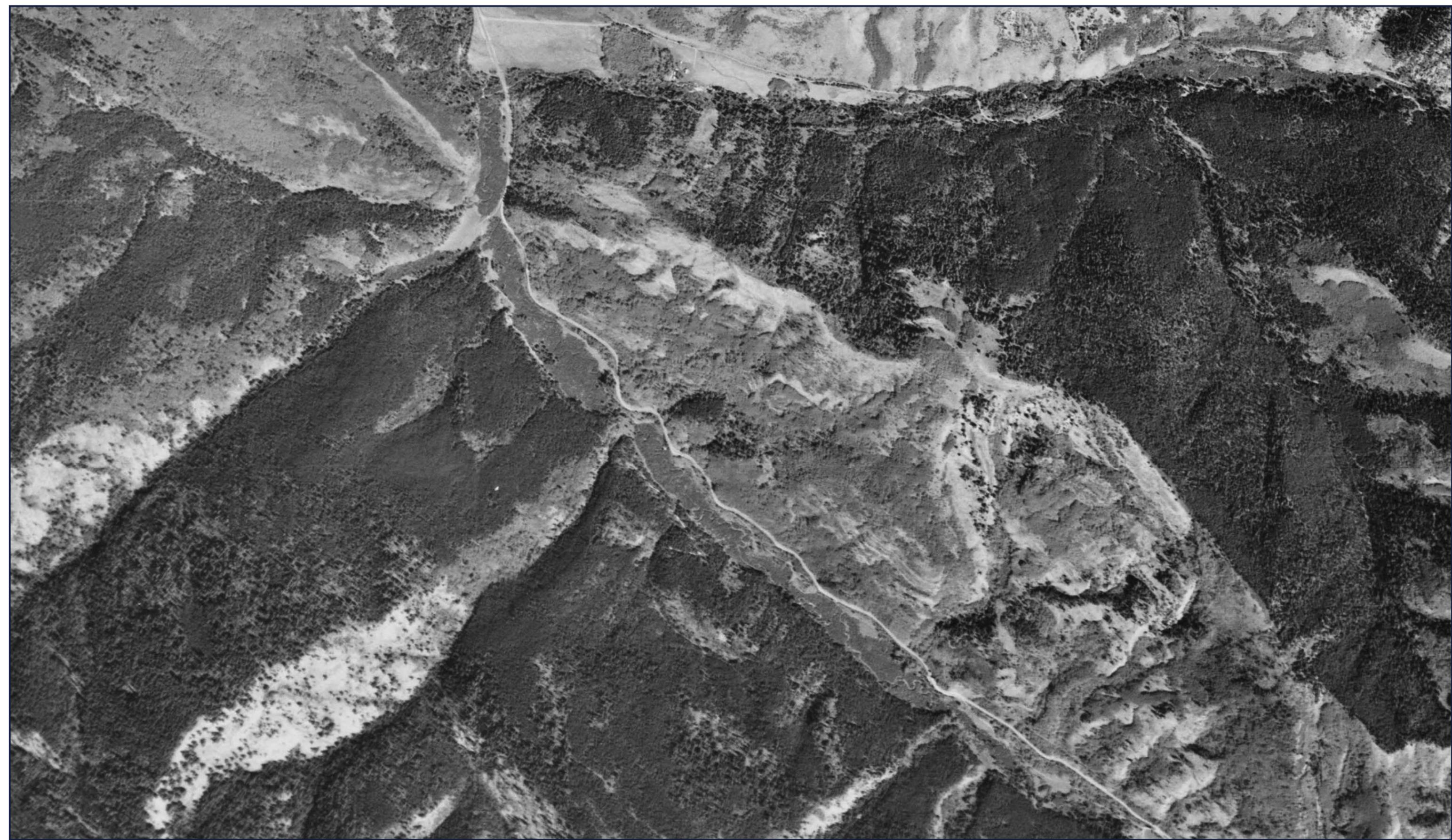
ST-1



**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USGS  
**DATE:** 08/29/1973  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'



**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USGS  
**DATE:** 08/13/1965  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'



**SITE:** CENTENNIAL TRAIL  
**SOURCE:** AMS  
**DATE:** 08/18/1953  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'



**SITE:** CENTENNIAL TRAIL  
**SOURCE:** USGS  
**DATE:** 07/30/1943  
**COUNTY:** TETON, ID  
**SCALE:** 1" = 1,000'

---

**ATTACHMENT C**  
*Topographic Maps*



---

## ***Historical Topographic Maps***

---

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000127888>

*Click on link above to access the map and satellite view of current property*

*Target Property:*

***Centennial Trail***

***idaho 33***

***victor, Teton County, Idaho 83455***

*Prepared For:*

***GRI***

***Order #: 59372***

***Job #: 127888***

***Date: 11/12/2015***

## TARGET PROPERTY SUMMARY

### **Centennial Trail**

**idaho 33**

**victor, Teton County, Idaho 83455**

USGS Quadrangle: **Victor, ID**

Target Property Geometry: **Corridor**

Target Property Longitude(s)/Latitude(s):

**(-111.068709, 43.562870), (-111.066992, 43.557490), (-111.061242, 43.552203), (-111.058559, 43.550103), (-111.053839, 43.547428), (-111.047745, 43.544256), (-111.045256, 43.543260)**

County/Parish Covered:

**Teton (ID), Teton (WY)**

Zipcode(s) Covered:

**Victor ID: 83455**

**Wilson WY: 83014**

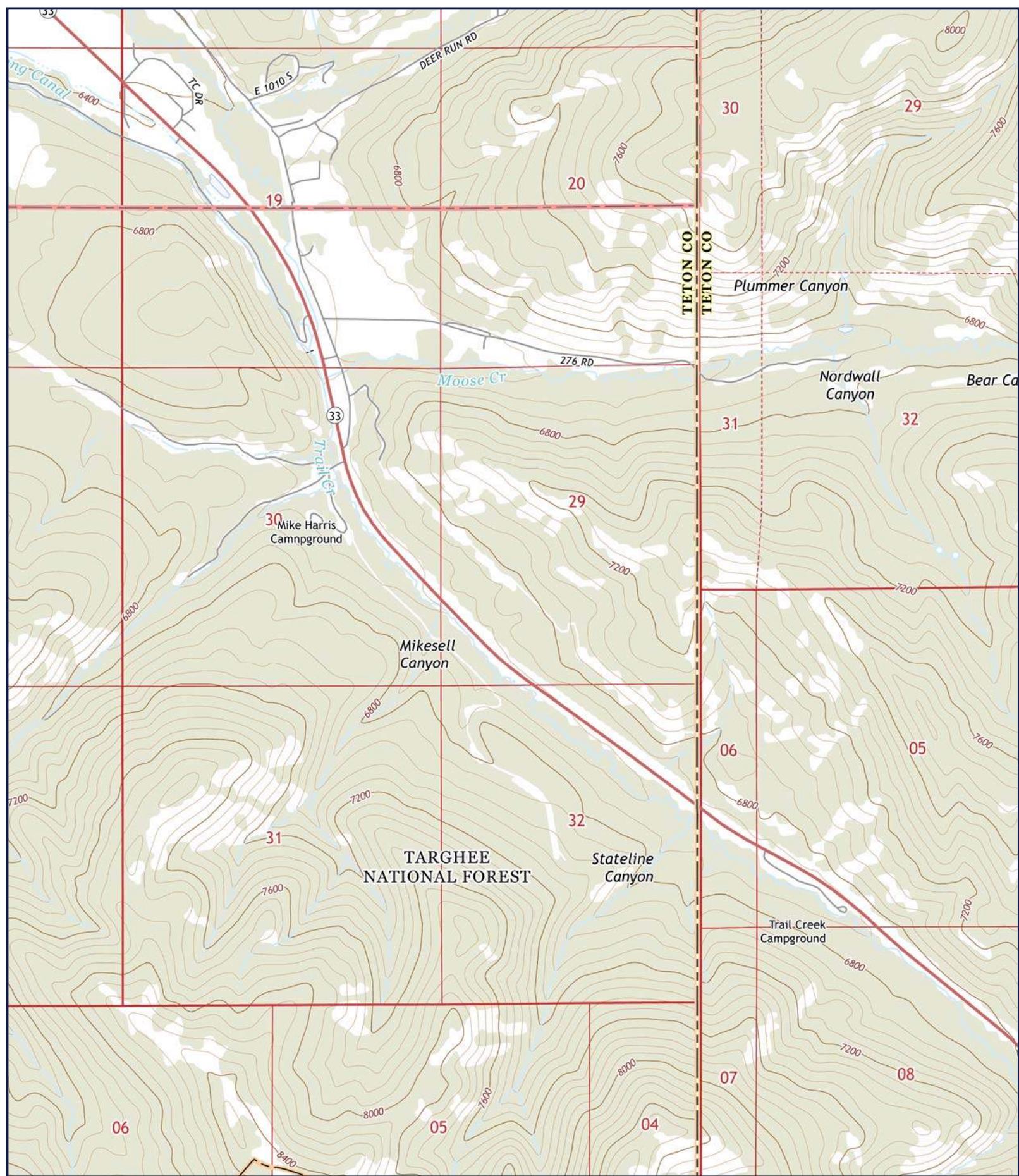
State(s) Covered:

**ID, WY**

**\*Target property is located in Radon Zone 2.**

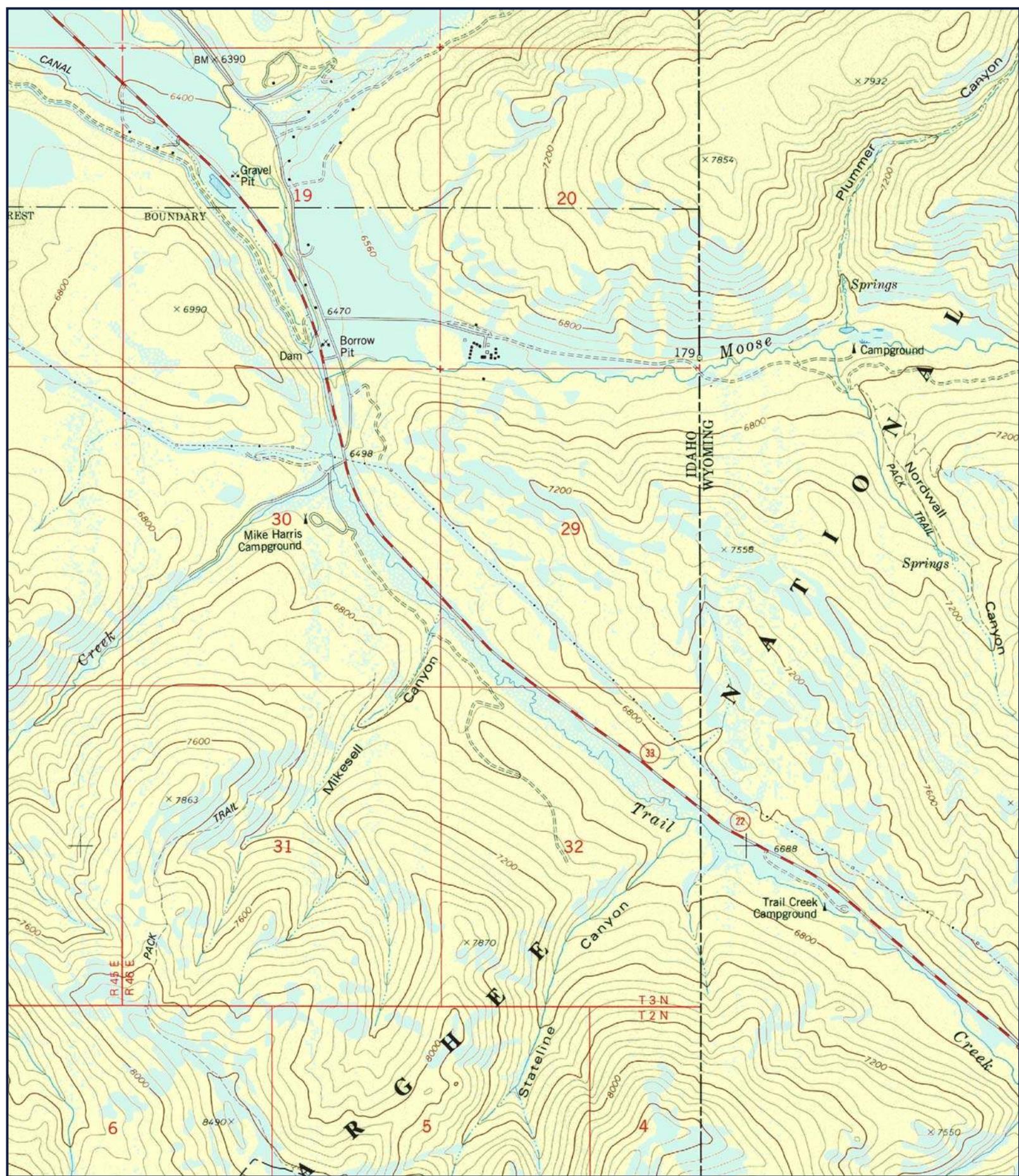
**Zone 2 areas have a predicted average indoor radon screening level between 2 and 4 pCi/L (picocuries per liter).**

Disclaimer - The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers and independent contractors cannot be held liable for actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.



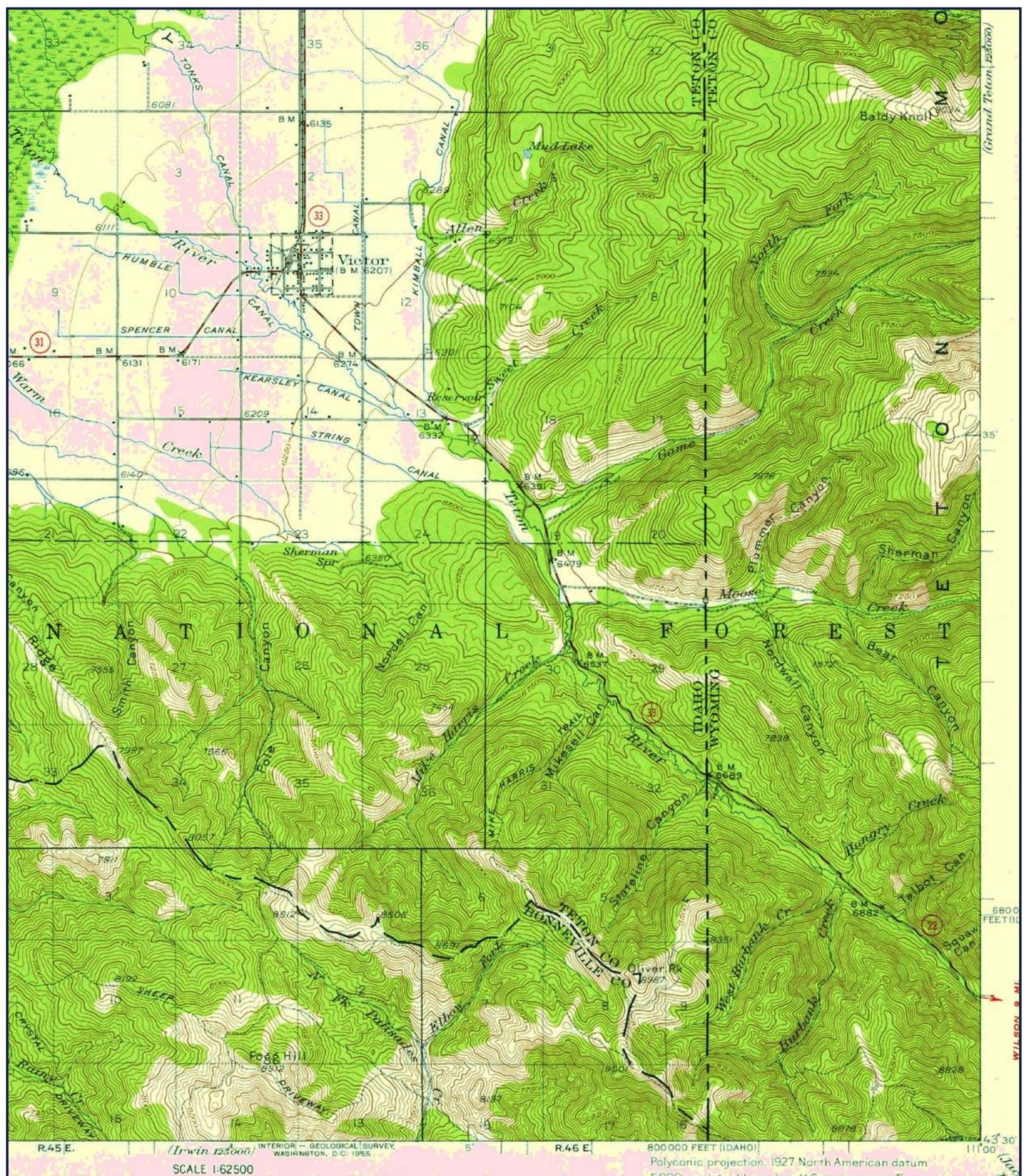
**SITE: CENTENNIAL TRAIL**  
**QUAD: VICTOR, ID**  
**DATE: 2013**  
**SCALE: 1:24,000**





**SITE: CENTENNIAL TRAIL**  
**QUAD: VICTOR, ID**  
**DATE: 1978**  
**SCALE: 1:24,000**





R.45 E. (Irwin 123000) SCALE 1:62500

INTERIOR - GEOLOGICAL SURVEY WASHINGTON, D.C. 1955

R.46 E. 800 000 FEET (IDAHO) Polyconic projection, 1927 North American datum



**SITE: CENTENNIAL TRAIL**  
**QUAD: DRIGGS, ID**  
**DATE: 1943**  
**SCALE: 1:62,500**



**Attachment 7: Section 4(f) and Section 6(f) Assessment**



DAVID EVANS  
AND ASSOCIATES INC.

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## MEMORANDUM

**DATE:** December 18, 2015  
**TO:** Denise Steele, Project Environmental Specialist  
Western Federal Lands Highways Division  
610 E. Fifth Street  
Vancouver, WA 98661  
**FROM:** Mara Krinke and Casey Storey  
**SUBJECT:** **Teton Centennial Trail: 4(f) and 6(f) Assessment**  
**PROJECT:** Teton Centennial Trail Project  
**PROJECT NO:** FHAX0000-0220

---

### ***INTRODUCTION***

At the request of the Western Federal Lands Highways Division, David Evans and Associates, Inc. (DEA) assessed the 4(f) and 6(f) conditions related to the proposed Teton Centennial Trail in Teton County, Idaho and Teton County, Wyoming. The proposed trail would cross USFS lands that are part of the Caribou-Targhee National Forest, and would create or allow for future connections to forest campgrounds and to existing and planned recreational trails. The trail would provide a connection across USFS lands from Victor, Idaho, to the town of Jackson, Wyoming. The multi-use (bicycle and pedestrian) trail would be maintained by the City of Victor, Teton County, Idaho, and by the Teton Valley Trails and Pathways group. The trail project is being planned by Western Federal Lands Highway Division of the Federal Highway Administration and is subject to the requirements of Section 4(f) of the USDOT Act of 1966 and Section 6(f) of the Land and Water Conservation Fund Act of 1965.

The project along ID-33 traverses lands of the Caribou-Targhee National Forest (CTNF), Teton Basin Ranger District. The project is generally within or immediately adjacent to existing Idaho Highway ROW, a variable width ROW for the highway. The state of Idaho maintains the highway. The CTNF proposes to grant additional ROW width to the State of Idaho/ITD, where needed to encompass the Teton Centennial Pathway project.

This memorandum accomplishes multiple objectives:

- Identify properties in the project area potentially encumbered by Section 6(f) of the Land and Water Conservation Act
- Identify properties in the project area that meet the definition of Section 4(f) resources (e.g., public parks or recreation areas, wildlife and waterfowl refuges)
- Summarize needed agency coordination regarding Section 4(f) (consulting with applicable local, state, and federal agencies to determine the potential impacts on these properties and whether these impacts constitute a “use”).

- Describe the alternatives analysis process and whether or not (1) there is a “feasible and prudent alternative to the use” of the property, and (2) the proposed action “includes planning to minimize harm” to the property.

Figure 1 shows the study area for the Teton Centennial Trail Project and highlights the known park, recreational, and cultural resources. The Teton Centennial Trail will be constructed on the Old Jackson Highway roadbed within the Caribou-Targhee National Forest from Moose Creek in Idaho to the Trail Creek Campground in Wyoming.

### **SECTION 6(F) PROPERTIES**

Section 6(f) of the Land and Water Conservation Fund Act of 1965 (16 USC Chapter 1, Subchapter LXIX) applies to all projects that affect recreational lands purchased or improved with land and water conservation State grant funds. Section 6(f) prohibits the conversion of property acquired or developed with State grants to a non-recreational purpose without NPS approval. NPS is required to ensure that replacement lands of equal value, location and usefulness are provided as a condition of such conversions, also known as in-kind replacement. Consequently, where conversions of Section 6(f) lands are proposed for highway projects, replacement lands are required. The Land and Water Conservation Fund Act has specific requirements for Federal-aid and Federal lands projects. The Federal lands portion of the law (e.g., used to purchase land for national wildlife refuges) does not include the in-kind replacement provision.

Based on a review of the NPS database for applicable grants and coordination with Denise Steele of WFLHD on November 16, 2015, there are no resources subject to the requirements of Section 6(f) in the project area. Thus, the requirements of Section 6(f) do not apply to the project and are not considered further.

### **SECTION 4(F) PROPERTIES**

Section 4(f) of the Department of Transportation Act of 1966, codified in Federal law at 49 U.S.C. '303, declares that it is the policy of the United States Government that special effort should be made to preserve the natural beauty of the countryside and public park and recreation lands, wildlife and waterfowl refuges, and historic sites.

Section 4(f) specifies that the Secretary [of Transportation] may approve a transportation program or project requiring the use of publicly owned land of a public park, recreation area, or wildlife and waterfowl refuge of national, State, or local significance, or land of an historic site of national, State, or local significance (as determined by the Federal, State, or local officials having jurisdiction over the park, area, refuge, or site) only if:

- (1) there is no prudent and feasible alternative to using that land; and
- (2) the program or project includes all possible planning to minimize harm to the park, recreation area, wildlife and waterfowl refuge, or historic site resulting from the use.

**See Attachment B - Trail Alignment Map**

Section 6009(a) of SAFETEA-LU amended existing Section 4(f) legislation in 23 USC 138 and 49 USC 303 to simplify the processing and approval of projects that have only *de minimis* impacts on lands protected by Section 4(f). This is the first substantive revision of Section 4(f) legislation since passage of the U.S. Department of Transportation Act of 1966. This revision provides that when USDOT determines that a transportation use of Section 4(f) property (after consideration of any impact avoidance, minimization, and mitigation or enhancement measures) results in a *de minimis* impact on that property, an analysis of avoidance alternatives is not required, and the Section 4(f) evaluation process is complete. The impact criteria and associated determination requirements are explained in FHWA's 4(f) Policy Paper: <https://www.environment.fhwa.dot.gov/4f/4fpolicy.asp> to Section 4(f) Resources.

The following section outlines the park, recreation, and cultural resource properties are potentially subject to Section 4(f).

### **Park and Recreational Properties**

The proposed TCT traverses land within the Teton Basin Ranger District Caribou-Targhee National Forest from Moose Creek in Idaho to the Trail Creek Campground in Wyoming. This is all public forest land and is classified as "rural" recreational classification, on the recreation opportunity spectrum, as identified in the Caribou-Targhee Forest RFP (USFS 1997). The rural classification is defined as follows:

General user affiliation opportunities exist, and facilities are convenient. Natural environment is culturally modified yet attractive. Universal access is easy and meets Americans with Disabilities Act accessibility guidelines standards. Interpretation exists through more-complex wayside exhibits.

Using right-of-way that is currently in forest use (either as the old roadbed or in other forest lands) would not trigger the requirements of Section 4(f) based on guidance from the FHWA on multiple land use holdings (Attachment A).

Specific recreational facilities adjacent to or near the proposed trail corridor highlighted in the Environmental Assessment completed for the project (1997) are:

- Mike Harris Trailhead (Parking for hikers, equestrian riders, snowmobilers, skiers, 10 vehicle capacity)
- Mike Harris Campground (12 campsites; tent and trailer camping, restrooms, water, angler river access)
- Trail Creek Campground (11 campsites; tent and trailer camping, restrooms, water, angler river access)
- Single-track soft trail that currently runs from a location east of Mike Harris Creek to the Wyoming-Idaho state line (see Figure 1).

## **Cultural Resources**

### *Historic Wagon Trail*

One historic site was found and described in the Environmental Assessment completed for the Teton Trail in 2001: a wagon road that also served as a stock trail between Jackson Hole, Wyoming and Teton Basin, Idaho. A portion of the proposed project traverses over a historic wagon route that is eligible for listing on the National Register of Historic Places and is a Section 4(f) property. However, the wagon trail and associated features (e.g., stock corral) are located outside the project area.

### *Culverts*

Archaeological Investigations Northwest, Inc. (AINW) has conducted an evaluation of twelve culverts along the proposed trail using field survey information and photographs provided by David Evans and Associates, Inc. Based on their evaluation, AINW recommends that the culverts are not eligible for listing in the NRHP. The evaluation recommendation was made by AINW staff who meet the professional qualifications of the Secretary of the Interior's Standards and Guidelines for Historic Preservation.

### *Archaeological Resources*

No known archaeological resources are present within the project area. Previous surveys of the BPA transmission line ROW, access road system, and staging areas near or within the project area, were completed in 1997 and 1998 and cited in the Environmental Assessment for the Teton Trail published in 2001. These surveys also included a literature search for existing historic or prehistoric sites. No prehistoric sites were found (BPA and USFS 1998, USFS 2001). Consultation with Wyoming and Idaho SHPO concluded that no historic properties would be affected by the trail project, based on the assessment that the trail would follow an existing roadbed, and no subsurface disturbance would be necessary. (USFS 2002)

However, if subsurface work occurs and if any significant archaeological resources are found during construction, coordination with the applicable State Office of Historic Preservation and coordination with Tribes will be required.

## **COORDINATION**

Future project efforts require coordination with applicable local, state, and federal agencies to determine the potential impacts on these properties and whether these impacts constitute a "use." In addition, the 4(f) regulations require public notice and the opportunity for public comment on a proposed action.

## **ALTERNATIVES ANALYSIS PROCESS**

Once Section 4(f) properties have been identified in the study area, it is necessary to determine if any of them would be used by an alternative or alternatives being carried forward for detailed study. The most common form of use is when land is permanently incorporated into a transportation facility. This occurs when land from a Section 4(f) property is either purchased outright as transportation right-of-way or when the applicant for Federal-aid funds has acquired a property interest that allows permanent access onto the property such as a permanent easement for maintenance or other transportation-related purpose. Since there would be a

permanent transfer of right-of-way from the USFS to ITD (and Wyoming DOT/Teton County, WY?), this qualifies as a potential use for those lands determined to have significant value for recreational purposes.

If there will be a use, the next step is to determine if the following apply:

- (1) there is a “feasible and prudent alternative to the use” of the property, and
- (2) the proposed action “includes planning to minimize harm” to the property.

#### Feasible and Prudent Alternative

There is no feasible and prudent alternative to constructing the trail. The trail is part of a planned network and any route would traverse USFS land. The existing highway right-of-way is used when appropriate.

Putting the trail on the south side of the highway was considered in earlier project development. Additionally, NWI maps show wetlands predominantly on the south side of the highway and avoiding those resources is desirable.

#### Planning to Minimize Harm

The alignment of the Teton Centennial Pathway will take advantage of the old highway roadbed where feasible; over half of the alignment can use the old roadbed. In other areas, the project will coincide with an existing single track soft trail. The single track trail would, therefore, potentially be shifted to the new trail in some sections. In addition, the trail could possibly have connection under the highway to the Mike Harris and Trail Creek Campgrounds. The connections would not use any of the land currently used for the campground amenities and therefore are not subject to the restrictions of Section 4(f).

#### Conclusion

If there were to be any conversion of the recreational resources listed above as part of this project (e.g., property within the campgrounds, or conversion of the single track trail to the multiuse trail), it is likely that the project could determine that there would be a *de minimis* use of the property. A *de minimis* use is one that, after taking into account any measures to minimize harm (such as avoidance, minimization, mitigation or enhancement measures), results in either:

- A Section 106 finding of no adverse effect or no historic properties affected on a historic property (none known, this would only apply if archaeological site is found in future phases of work)
- A determination that the project would not adversely affect the activities, features, or attributes of the USFS lands which qualify for protection under Section 4(f).

Denise Steele, Project Environmental Specialist

December 18, 2015

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## **REFERENCES**

USDA Forest Service. 1997. Targhee National Forest, 1997 Revised Forest Plan. St. Anthony (ID): USDA Forest Service, Targhee National Forest, 223 p. plus appendices.

USDA Forest Service. 2001. Teton Pass Trail Environmental Assessment.

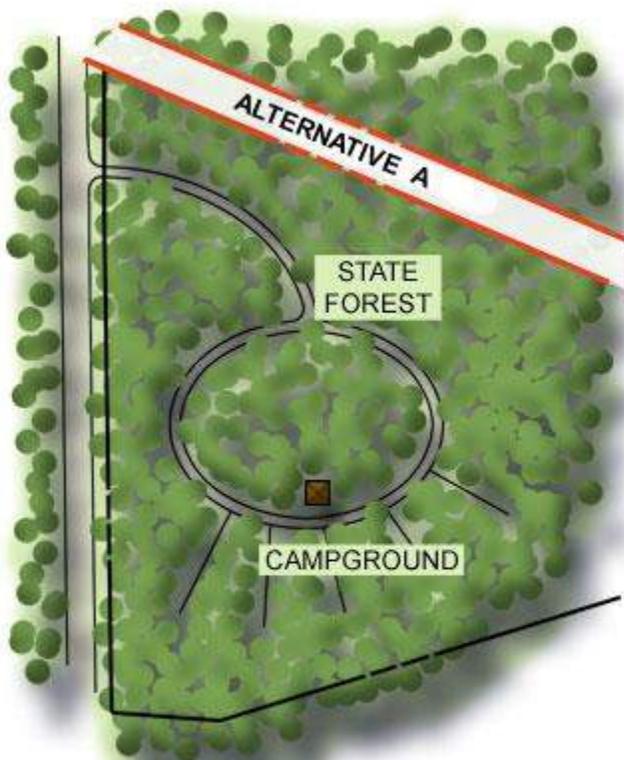
USDA Forest Service. 2002. Decision Notice and Finding of No Significant Impact; Teton Pass Trail. Caribou-Targhee and Bridger-Teton National Forests. Teton County Idaho and Wyoming, and City of Victor.

## **ATTACHMENT A: FHWA GUIDANCE REGARDING MULTIPLE-LAND USE HOLDINGS**

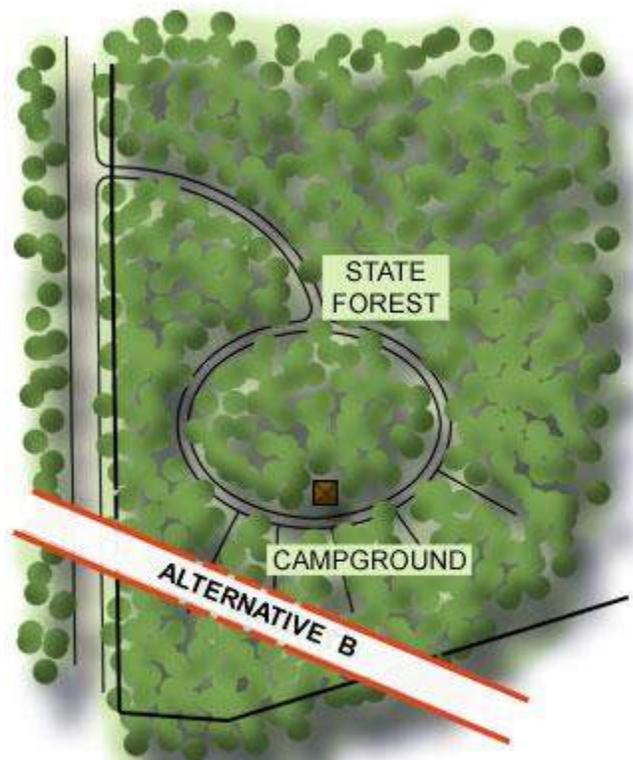
### **Public Multiple Use Land Holdings<sup>1</sup>**

It is not uncommon for lands such as state and national forests, Bureau of Land Management lands, and the US Army Corps of Engineers water impoundment projects to have multiple designated uses, including municipal reservoirs, timber management, mining, or grazing, as well as recreation or historic preservation. These types of properties are referred to as public multiple use land holdings or multi-use properties.

An example of a multi-use property is a state forest where most of the property is managed for timber production with smaller portion set aside as a campground and another portion of the property is on or eligible for the NRHP. When evaluating such properties, keep in mind that the entire property is not eligible for protection under Section 4(f); only those portions designated as a recreation area, refuge or historic site are eligible. An examination of the management plan, if one exists, and coordination with the officials with jurisdiction will be necessary to determine if Section 4(f) should apply to the resource. When a management plan doesn't exist, or is out-of-date, the FHWA should examine how the property is functioning and being managed to determine Section 4(f) applicability.



Alternative A traverses a portion of the land where the primary use is not for Section 4(f) purposes (it's for logging). Therefore, Alternative A would not be considered a Section 4(f) use.



Alternative B traverses a campground, an area designated primarily for Section 4(f) use; therefore, it would be considered a Section 4(f) use.

<sup>1</sup> Source: [https://www.environment.fhwa.dot.gov/section4f/properties\\_other.aspx#5](https://www.environment.fhwa.dot.gov/section4f/properties_other.aspx#5), accessed November 19, 2015.

Denise Steele, Project Environmental Specialist  
December 18, 2015  
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***ATTACHMENT B – TRAIL ALIGNMENT MAP***



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## APPENDIX F

### Culvert Inventory

# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #1(Sta. 33+10)

Location – Route Near ID 33

MP 153

Offset Right/Left \_\_\_\_\_

GPS Coordinates Upstream N948094.5186, E691299.5224

Downstream N948046.8738, E691271.0512

Date the culvert was installed - \_\_\_\_\_

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 18" CMP

Or

Transverse dimension \_\_\_\_\_

Vertical dimension \_\_\_\_\_

Longitudinal dimension ~56'

Slope of invert or crown \_\_\_\_\_

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape?  YES /  NO

If yes, is the CROWN COLLAPSING,  SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

1404 – CMP bent in at end on top. Looks minor from possible vandalism kicking it in.

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---

---

**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

---

---

---

Steel - Is the invert rusted?  YES / NO

If yes, is the invert  INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

Minor as seen visible in 11404.

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---

Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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---

---

Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

Partial fill – 25% full of debris.

---

---

---

**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

---

---

---

---

**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

Not apparent in 11404.

---

---

---

**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

For upstream invert.

---

---

---

**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

---

---

---

**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

---

---

---

**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

---

---

---

**Bed load and debris**

Is there any bed load or debris in the culvert?  YES / NO

If yes, is the amount of debris LIGHT,  MODERATE, HEAVY?

Describe the current condition:

Partial fill – 25% full of debris.

---

---

---

## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

---

---

---

## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

---

Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **HIGHWAY INFORMATION**

Current ADT of highway is   N/A  

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **PHOTOGRAPHS**

Upstream conditions   Partial fill in 11403.  

Inlet

Interior

Outlet

Downstream conditions   Partial fill, good condition 11404.  

## **OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

In IE = 3087.18

Out IE = 3086.92

11403



11404



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #2 (Sta 47+40)

Location – Route          Near ID 33         

MP 153

Offset Right/Left         

GPS Coordinates Upstream N949025.3082, E690290.6669

Downstream N949006.9308, E690255.7224

Date the culvert was installed -         

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 18" CMP

Or

Transverse dimension         

Vertical dimension         

Longitudinal dimension ~40'

Slope of invert or crown         

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

---

---

---

---

**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

---

---

---

---

Steel - Is the invert rusted? YES /  NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

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---

---

---

Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

---

---

---

---

Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

---

---

---

---

**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

---

---

---

---

**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

---

---

---

---

**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

---

---

---

---

**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES /  NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

---

---

---

**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

---

---

---

**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

---

---

---

**Bed load and debris**

Is there any bed load or debris in the culvert?  YES / NO

If yes, is the amount of debris LIGHT, MODERATE,  HEAVY?

Describe the current condition:

Upstream, culvert buried. Downstream, culvert good condition with only leaves.

---

---

---

## HYDRAULIC CAPACITY

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

---

---

---

## FISH PASS-ABILITY

Does this culvert need to be fish passable? YES /  NO

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

---

Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is   N/A  

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions   11406  

Inlet

Interior

Outlet

Downstream conditions   11405  

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Nonfunctioning culvert

Upstream Surface Elev = 6564.57

Downstream Top Culvert = 6558.72

11406



11405



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #3 (Sta 53+48)

Location – Route      Near ID 33     

MP 153

Offset Right/Left     

GPS Coordinates Upstream N949282.4248, E689799.3558

Downstream N949319.5770, E689799.5740

Date the culvert was installed -     

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 18" CMP

Or

Transverse dimension     

Vertical dimension     

Longitudinal dimension ~37'

Slope of invert or crown     

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

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**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES /  NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

Can't tell since not a lot of the culvert is visible. From what is visible, no rust.

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert?  YES / NO

If yes, is the amount of debris LIGHT, MODERATE,  HEAVY?

Describe the current condition:

Upstream buried, culvert not found. Downstream partial fill.

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## HYDRAULIC CAPACITY

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## FISH PASS-ABILITY

Does this culvert need to be fish passable? YES /  NO

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is   N/A  

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions   11408  

Inlet

Interior

Outlet

Downstream conditions   11407  

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Nonfunctioning culvert

Downstream: Top Elev = 6572.91

11408



11407



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #4 (Sta 59+70)

Location – Route      Near ID 33     

MP 153

Offset Right/Left     

GPS Coordinates Upstream N949799.9046, E689428.9581

Downstream N949771.0515, E689385.9424

Date the culvert was installed -     

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 18" CMP

Or

Transverse dimension     

Vertical dimension     

Longitudinal dimension ~52'

Slope of invert or crown     

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

Visible ends still round.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES /  NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

From what is visible don't see any.

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert?  YES / NO

If yes, is the amount of debris LIGHT,  MODERATE, HEAVY?

Describe the current condition:

Partial Fill at both upstream and downstream.

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is   N/A  

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions   11409  

Inlet

Interior

Outlet

Downstream conditions   11410  

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6589.98 top of culvert

Downstream = 6582.77 top of culvert

11409



11410



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #5 (Sta 66+42)

Location – Route      Near ID 33     

MP 153

Offset Right/Left     

GPS Coordinates Upstream N950190.0676, E688943.8549

Downstream N950166.0329, E688883.2938

Date the culvert was installed -     

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 18" CMP

Or

Transverse dimension     

Vertical dimension     

Longitudinal dimension ~65'

Slope of invert or crown     

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

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**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES /  NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

None visible.

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

~2"-3" rock at downstream end.

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert?  YES / NO

If yes, is the amount of debris LIGHT,  MODERATE,  HEAVY?

Describe the current condition:

Upstream = 3/4 filled  
Downstream = 3/4 filled

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_

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Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_

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Upstream characteristics

Describe - \_\_\_\_\_

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Downstream characteristics

Describe - \_\_\_\_\_

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OHWL width upstream and down stream

Describe - \_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is  N/A

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions  11411

Inlet

Interior

Outlet

Downstream conditions  11412

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6605.26 top of culvert

Downstream = 6598.66 top of culvert

11411



11412





**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES /  NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

Not from what is visible.

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert?  YES / NO

If yes, is the amount of debris LIGHT,  MODERATE, HEAVY?

Describe the current condition:

Upstream = 1/2 filled with dirt  
Downstream = 1/2 filled with dirt

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is  N/A

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions  11331

Inlet

Interior

Outlet

Downstream conditions  11332

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6627.01 top of culvert

Downstream = 6616.22 top of culvert

11331



11332



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #7 (Sta 77+36)

Location – Route Near ID 33

MP 153

Offset Right/Left \_\_\_\_\_

GPS Coordinates Upstream N950943.5476, E688173.2861

Downstream N950943.6592, E688168.0938

Date the culvert was installed - \_\_\_\_\_

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 12" CMP

Or

Transverse dimension \_\_\_\_\_

Vertical dimension \_\_\_\_\_

Longitudinal dimension ~6'

Slope of invert or crown \_\_\_\_\_

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

Not from what is visible.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES /  NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

Doesn't appear rusted.

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

No headwall for downstream. Can't tell of upstream since no photo.

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet?  YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

The oufall is 5' above the soil. It possible that the soil did erode a one point, however vegetation has grown in under the pipe.

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert? YES /  NO

If yes, is the amount of debris LIGHT, MODERATE, HEAVY?

Describe the current condition:

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is  N/A

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions = 11188 (not in folder)

Inlet

Interior

Outlet

Downstream conditions = 11187

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6631.3770

Downstream = 6629.4973

11187



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #8 (Sta 85+72)

Location – Route \_\_\_\_\_

MP \_\_\_\_\_

Offset Right/Left \_\_\_\_\_

GPS Coordinates Upstream N951606.4790, E687686.3518

Downstream N951542.2002, E687609.7474

Date the culvert was installed - \_\_\_\_\_

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 24" CMP

Or

Transverse dimension \_\_\_\_\_

Vertical dimension \_\_\_\_\_

Longitudinal dimension ~100'

Slope of invert or crown \_\_\_\_\_

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

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**Invert**

Concrete - Is the rebar exposed? YES /  NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted?  YES / NO

If yes, is the invert  INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

Some evidence of corrosion and rust at downstream invert

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert?  YES / NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

Upstream. Downstream unknown.

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  **NO**

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  **NO**

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert? YES /  **NO**

If yes, is the amount of debris LIGHT, MODERATE, HEAVY?

Describe the current condition:

Upstream none significant (just leaves). Downstream, photo not available.

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_

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Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_

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Upstream characteristics

Describe - \_\_\_\_\_

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Downstream characteristics

Describe - \_\_\_\_\_

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OHWL width upstream and down stream

Describe - \_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is   N/A  

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions   20260  

Inlet

Interior

Outlet (no photo taken)

Downstream conditions

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6623.29 IE

Downstream = unknown

20260



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #9 (Sta 110+10)

Location – Route Under ID 33

MP 153

Offset Right/Left \_\_\_\_\_

GPS Coordinates Upstream N953544.029, E686288.4121

Downstream N953540.43, E686282.1785

Date the culvert was installed - \_\_\_\_\_

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 24" CMP

Or

Transverse dimension \_\_\_\_\_

Vertical dimension \_\_\_\_\_

Longitudinal dimension 7'

Slope of invert or crown \_\_\_\_\_

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES / NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

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**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES / NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating?    YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned?    YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart?    YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams?    INVERT,    SIDE,    CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls?    YES / NO

If yes, what are they made of?    CONCRETE,    ROCK,    RIP-RAP

Describe the current condition:

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES / NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES / NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert? YES / NO

If yes, is the amount of debris LIGHT, MODERATE, HEAVY?

Describe the current condition:

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES / NO

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_

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Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_

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Upstream characteristics

Describe - \_\_\_\_\_

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Downstream characteristics

Describe - \_\_\_\_\_

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OHWL width upstream and down stream

Describe - \_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is N/A

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions

Inlet

Interior

Outlet

Downstream conditions 10458

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6684.8255 IE

Downstream = unknown

# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #10 (Sta 120+34)

Location – Route Under ID 33

MP 153

Offset Right/Left \_\_\_\_\_

GPS Coordinates Upstream N954325.0525, E685732.852

Downstream N954284.5379, E685684.5686

Date the culvert was installed - \_\_\_\_\_

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 24" CMP

Or

Transverse dimension \_\_\_\_\_

Vertical dimension \_\_\_\_\_

Longitudinal dimension ~63'

Slope of invert or crown \_\_\_\_\_

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES / NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

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**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES / NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls? YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP

Describe the current condition:

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES / NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES / NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert? YES / NO

If yes, is the amount of debris LIGHT, MODERATE, HEAVY?

Describe the current condition:

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is N/A

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions 10666

Inlet

Interior

Outlet

Downstream conditions

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6685.7007 IE

Downstream = unknown

# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #11 (Sta 127+40)

Location – Route Under ID 33

MP 153

Offset Right/Left \_\_\_\_\_

GPS Coordinates Upstream N954924.5749, E685394.8216

Downstream N954905.2687, E685338.6576

Date the culvert was installed - \_\_\_\_\_

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 30" CMP

Or

Transverse dimension \_\_\_\_\_

Vertical dimension \_\_\_\_\_

Longitudinal dimension ~60'

Slope of invert or crown \_\_\_\_\_

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

Shape is still round.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

Photo 20175 shows CMP tear on top (damage).

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES / NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls?  YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP,  OTHER

Describe the current condition:

Metal flared end sections.

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert? YES /  NO

If yes, is the amount of debris LIGHT, MODERATE, HEAVY?

Describe the current condition:

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  **NO**

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is N/A

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions 20175

Inlet

Interior

Outlet

Downstream conditions 20077

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6690.111 IE

Downstream = 6685.597 IE

20175



20177



# CULVERT INVENTORY

## GENERAL INFORMATION

(Provide the following and/or circle all the descriptors below that apply.)

Culvert Identification/Name #12 (Sta 130+14)

Location – Route Near ID 33

MP 153

Offset Right/Left \_\_\_\_\_

GPS Coordinates Upstream N954882.9467, E685276.3209

Downstream N954873.0891, E685209.6741

Date the culvert was installed - \_\_\_\_\_

Type – CONCRETE  STEEL ALUMINUM PLASTIC (HDPE) OTHER

ROUND BOX SQUASH PIPE MULTI PLATE

BOTTOMLESS ARCH THREE SIDED BOX

Size – Diameter 30" CMP

Or

Transverse dimension \_\_\_\_\_

Vertical dimension \_\_\_\_\_

Longitudinal dimension ~68'

Slope of invert or crown \_\_\_\_\_

## STRUCTURAL CONDITION

(Circle all the descriptors below that apply.)

### Shape

Has the culvert lost its structural shape? YES /  NO

If yes, is the CROWN COLLAPSING, SIDES BEING PUSHED IN OR OUT,

BOTTOM HEAVING UP, END OF CULVERT FALLING OFF?

Describe the current shape:

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**Invert**

Concrete - Is the rebar exposed? YES / NO

If yes, what % of rebar in the invert is showing? \_\_\_\_\_

Is the corrosion severity of the rebar LOW, MEDIUM, HIGH?

Describe the extent of exposure and the severity of corrosion:

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Steel - Is the invert rusted? YES /  NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of corrosion:

Not from what is visible, but hard to tell because of mud and brush.

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Plastic - Are there signs of abrasion? YES / NO

If yes, is the invert INTACT, PERFORATED, GONE?

Describe the severity of abrasion:

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Natural Bottom – Does the culvert have a natural invert? YES /  NO

If yes, is the invert STABLE, DEGRADING, AGGRADING?

If degrading or aggrading describe the severity:

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**Joints**

Are the joints separating? YES / NO

If so, how many joints are completely separated so that misalignment of the barrels can occur? \_\_\_\_\_

Have the barrels become misaligned? YES / NO

Describe to what extent:

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**Seams**

Are the seams in a spiral metal culvert showing signs of stress by opening up or otherwise coming apart? YES / NO

If yes, what % of the seams are opening? \_\_\_\_\_

Where are the open seams? INVERT, SIDE, CROWN

Describe the current condition:

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**Head walls**

Are there any headwalls?  YES / NO

If yes, what are they made of? CONCRETE, ROCK, RIP-RAP,  OTHER

Describe the current condition:

Metal flared end section on upstream end.

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**OTHER INFORMATION**

(Circle all the descriptors below that apply.)

**Coatings**

Are there any coatings? YES / NO

If yes, is the coating COMPLETELY INTACT, PARTIALLY GONE  
COMPLETELY GONE?

Describe the current condition:

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**Erosion at ends of culvert**

Are there any signs of erosion at the inlet or outlet? YES /  NO

If yes, is the erosion SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Piping along barrel**

Is there any evidence of water piping along the outside of the barrel? YES /  NO

If yes, is the piping SLIGHT, MODERATE, SEVERE?

Describe the current condition:

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**Bed load and debris**

Is there any bed load or debris in the culvert?  YES / NO

If yes, is the amount of debris LIGHT, MODERATE,  HEAVY?

Describe the current condition:

\_Upstream and downstream blocked with mud.

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## **HYDRAULIC CAPACITY**

Describe how the sub-basin is changing with respect to land use and how the changes might affect the hydraulic capacity of the culvert:

The project is in the Targhee National Forest and basin area draining to the project will not be developed.

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## **FISH PASS-ABILITY**

Does this culvert need to be fish passable? YES /  NO

If yes, provide the following information:

Existing slope of the culvert (from above) \_\_\_\_\_

Depth of flow \_\_\_\_\_

Weather for the past week \_\_\_\_\_

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bed load and debris in the culvert (from above)

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Upstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Downstream characteristics

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OHWL width upstream and down stream

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Any blockages that can be seen either up or down stream of culvert?

Describe - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HIGHWAY INFORMATION**

Current ADT of highway is N/A

What detours are possible?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPHS**

Upstream conditions 20082

Inlet

Interior

Outlet

Downstream conditions 10764

**OTHER COMMENTS AND/OR SKETCHES**

Provide any other comments and/or sketches necessary to fully describe any of the items above, or any other items the inspector deems appropriate.

Upstream = 6678.284 IE

Downstream = 6674.207 IE

20082



10764

