

## 3.05. Cultural Resources

---

### Introduction

The Congress in 1966 declared as National policy that the Federal government will “administer federally owned, administered, or controlled prehistoric and historic resources in a spirit of stewardship for the inspiration and benefit of present and future generations” [National Historic Preservation Act (NHPA) (16 U.S.C. 470-1(3))]. This policy was made more explicit when the National Historic Preservation Act was amended in 1980 and Section 110 was added to expand and underscore Federal agency responsibility for identifying and protecting historic properties and avoiding unnecessary damage to them. Many historic properties are fragile and once damaged or destroyed cannot be repaired or replaced. Section 106 of the NHPA compels Federal agencies to take into account the effect of its undertakings on any district, site, building, structure, or object that is included in or eligible for inclusion in the National Register of Historic Places (36 CFR 60) (Historic Properties). The Travel Management rule requires that the effects on cultural resources be considered with the objective of minimizing damage when designating roads, trails, and areas for motor vehicle use on National Forest lands (36 CFR 212.55(a), 212.55(b)(1)).

### Analysis Framework: Statute, Regulation, Forest Plan and Other Direction

The Forest Service is directed to identify, evaluate, treat, protect, and manage historic properties by several laws. However, the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470 et seq.) (NHPA) provides comprehensive direction to federal agencies about their historic preservation responsibilities. Executive Order 11593, entitled *Protection and Enhancement of the Cultural Environment*, also includes direction about the identification and consideration of historic properties in Federal land management decisions.

The NHPA of 1966 extends the policy of the Historic Sites Act of 1935 (49 Stat. 666; 16 U.S.C. 461-467) to include resources that are of State and local significance, expands the National Register of Historic Places (NRHP), and establishes the Advisory Council on Historic Preservation (ACHP) and State Historic Preservation Officers (SHPO). NHPA Section 106 directs all Federal agencies to take into account effects of their undertakings (actions, financial support, and authorizations) on properties included in or eligible for the National Register. The Advisory Council on Historic Preservation’s regulations at 36 CFR 800 implements NHPA Section 106. NHPA Section 110 sets inventory, nomination, protection, and preservation responsibilities for Federally-owned historic properties.

The Forest Service’s policy for compliance with Section 106 of the NHPA in travel management, with respect to route designation for motor vehicle use, was issued in 2005: *USDA Forest Service Policy for Section 106 of the NHPA Compliance in Travel Management: Designated Routes for Motor Vehicle Use* (2005). This policy was developed in consultation with the ACHP. It outlines minimal requirements for considering possible effects to historic properties that may be associated with designating routes and areas as part of a national forest’s transportation system. This policy statement recognizes the use of programmatic agreements for compliance with Section 106 of the NHPA.

Section 106 of the NHPA and the ACHPs implementing regulations, *Protection of Historic Properties* (36 CFR Part 800), require that federal agencies take into account the effect of their undertakings on historic properties, and that agencies provide the ACHP with an opportunity to comment on those undertakings. Programmatic agreements (36 CFR 800.14(b)) provide alternative procedures for complying with 36 CFR 800. Region 5 has such an agreement: *Programmatic Agreement among the U.S.D.A. Forest Service, Pacific Southwest Region, U.S.D.A. Forest Service, Intermountain Region's Humboldt-Toiyabe National Forest, California State Historic Preservation Officer, and Advisory Council on Historic Preservation Regarding the Process for Compliance with Section 106 of the National Historic Preservation Act for Designating Motor Vehicle Routes and Managing Motorized Recreation on the National Forests in California* (2006) (Motorized Recreation PA). This agreement defines the Area of Potential Effects (APE) (36 CFR 800.4(a)(1)) and includes a strategy outlining the requirements for cultural resource inventory, evaluation of historic properties, and effect determinations; it also includes protection and resource management measures (protection measures) that may be used where effects may occur.

**Executive Order 11593:** *Protection and Enhancement of the Cultural Environment*, issued May 13, 1971, directs Federal agencies to inventory cultural resources under their jurisdiction, to nominate Federally owned properties that meet the NRHP criteria to the National Register of Historic Places, to use due caution until the inventory and nomination processes are completed, and to assure that Federal plans and programs contribute to preservation and enhancement of non-Federally owned properties.

Tahoe National Forest cultural resource management direction and standard and guidelines (S&Gs) are located in the Tahoe National Forest Land Resource and Management Plan (1990: V-18). They are:

- **Cultural Resource Inventories:** Preliminary examination overview and/or R-5 Supplement survey of areas to identify the presence or absence of archaeological, historical, or other cultural resource properties. Includes preparation and approval of reports. Unit of work is the number of survey acres examined.
- **Cultural Resource Evaluation:** A set of properties will be evaluated by a qualified cultural resource specialist to determine the significance of cultural and historical values. Includes evaluation of proposed actions on cultural resources and appropriate consultation and preparation of EA/EIS reports. Includes nomination and/or determination of eligibility of properties for the NRHP. Using best professional judgment, the specialist will apply NRHP significance criteria as well as the criteria developed in the cultural resources overview.
- **Cultural Resources Protection:** Activities and costs related to protection of cultural resources properties. Includes physical protection, public contact, signing, or other activities associated with protection of properties. Where specific management plans are absent, Class 1 properties and frequently vandalized properties will be considered for inclusion within patrol routes. Includes review, processing, and administration of cultural resource use permits. Unit is properties. Treat all properties as significant until evaluated.
- **Cultural Resource Enhancement:** Includes analysis and intensive research of cultural resource properties to provide qualitative and quantitative background data in order to prepare them for

public interpretation or scientific or ethnic use. Improvement of the properties with interpretive services (IS) and facilities for public use should be reported under IS or other developed recreation sites.

## Effects Analysis Methodology

### Assumptions Specific to Cultural Resources

- Unauthorized, user-created routes and areas have already affected cultural resources within route/area prisms.
- Historic railroad grades and roads being used as authorized routes were built for the purposes of travel and continued use of them will cause no effect.
- Under the action alternatives, use will continue at current levels or increase over time on the designated system with the prohibition of cross country motorized travel.
- Given identical environmental variables, no measurable difference in potential impacts to cultural resources exists between that generated by different vehicle classes (i.e., full-size four-wheel drive vehicles, off-road vehicles and motorcycles).
- According to the Motorized Recreation PA, all archaeological and historical sites identified within the APE for all alternatives adding facilities to the National Forest's Transportation System (NFTS) are considered historic properties for the purposes of this undertaking, unless they already have been determined ineligible in consultation with the SHPO or through other agreed on procedures (36 CFR 60.4; 36 CFR 800).
- Changing vehicle class or season of use is not considered an undertaking subject to the NHPA. However, opening a road to public vehicle use when it was closed previously due to a resource conflict is considered an undertaking.
- Changes to the existing NFTS, when combined with the past, present and foreseeable future actions are not expected to cumulatively lead to increased impacts to cultural resources.
- Wheeled over snow use has no measurable potential impact to cultural resources.

### Data Sources

- Site-specific cultural resource inventories. The Forest conducted cultural resources field surveys for this undertaking throughout 2007–09. The primary objectives of these surveys were to identify cultural resources in the APE that may be affected by the undertaking and collect information on their current condition.
- Existing information from cultural resource records, historic archives, maps, and GIS spatial layers was also used.

### Cultural Resources Indicators

- Degree to which the integrity of historic property values are diminished.
- Number of cultural resources within unauthorized routes at risk from ongoing use.
- Average number of cultural resources per acre at risk if new routes or areas are created.

## Cultural Resources Methodology by Action

### 1. *Direct and indirect effects of the prohibition of cross country motorized vehicle travel*

**Short-term timeframe:** 1 year

**Long-term timeframe:** 20 years.

**Spatial boundary:** Forest scale where motor vehicle use is not already prohibited by law (e.g., wilderness).

**Indicator(s):** Number of cultural resources within unauthorized routes at risk from ongoing use.

**Methodology:** GIS analysis to identify: (1) the number of cultural resources at risk within existing unauthorized routes (estimate of on-going direct and indirect effects curtailed); and (2) the average number of cultural resources per acre that would be protected from any new routes created in the future without a prohibition (estimate of indirect effects).

**Rationale:** Motorized Recreation PA.

### 2. *Direct and indirect effects of adding facilities to the NFTS and establishing “Open Areas”*

**Short-term timeframe:** 1 year

**Long-term timeframe:** 20 years

**Spatial boundary:** Location of historic property.

**Indicator(s):** Degree to which the integrity of historic property values are diminished, related to: location, design, setting, materials, workmanship, feeling, or association.

**Methodology:** Use existing data from cultural resource site atlas, historic archives, maps, site record files, and GIS spatial layers, and information obtained from archaeological inventories of unauthorized routes, to identify cultural resources in the APE that may have direct or indirect effects.

**Rationale:** Motorized Recreation PA.

### 3. *Direct and indirect effects of changes to the existing NFTS including identifying seasons of use and vehicle class and reopening Maintenance Level 1 roads.*

Changing vehicle class and/or season of use are not considered an undertaking subject to NHPA Section 106 compliance (USDA Forest Service Policy for Section 106 of the NHPA Compliance in Travel Management: Designated Routes for Motor Vehicle Use (2005)). Motorized vehicles can already use NFTS roads. Allowing or prohibiting non-highway vehicle use will have no direct, indirect, or cumulative effect on cultural resources. However, reopening a Maintenance Level 1 road that was previously closed due to conflicts with cultural resources is considered an undertaking.

**Short-term timeframe:** 1 year

**Long-term timeframe:** 20 years

**Spatial boundary:** Location of historic property.

**Indicator(s):** Degree to which the integrity of historic property values are diminished, related to: location, design, setting, materials, workmanship, feeling, or association.

**Methodology:** Use existing data from cultural resource site atlas, historic archives, maps, site record files, and GIS spatial layers, and information obtained from archaeological inventories of unauthorized routes, to identify cultural resources in the APE that may have direct or indirect effects.

**Rationale:** Motorized Recreation PA.

#### 4. *Direct and indirect effects of Amendments to the Forest Plan*

Amending the Forest Plan to remove the November 1 to May 1 seasonal closure in the Sugar Pine area (Management Area 84 Humbug Sailor) on key winter deer range to improve motorized recreation opportunities is not considered an undertaking subject to NHPA Section 106 compliance (USDA Forest Service Policy for Section 106 of the NHPA Compliance in Travel Management: Designated Routes for Motor Vehicle Use (2005)). Motorized vehicles can already use NFTS roads. Changing the season of use will have no direct, indirect, or cumulative effect on cultural resources.

**Short-term timeframe:** 1 year

**Long-term timeframe:** 20 years

**Spatial boundary:** Location of historic property.

**Indicator(s):** Degree to which the integrity of historic property values are diminished, related to: location, design, setting, materials, workmanship, feeling, or association.

**Methodology:** Use existing data from cultural resource site atlas, historic archives, maps, site record files, and GIS spatial layers, and information obtained from archaeological inventories of unauthorized routes, to identify cultural resources in the APE that may have direct or indirect effects.

**Rationale:** Motorized Recreation PA.

#### 5. *Cumulative Effects*

Short-term timeframe: not applicable; cumulative effects analysis will be done only for the long-term time frame.

**Long-term timeframe:** 20 years

**Spatial boundary:** Forest administrative boundary (outside of designated wilderness).

**Indicator(s):** Degree to which the integrity of historic property values are diminished, related to: location, design, setting, materials, workmanship, feeling, or association.

**Methodology:** Use existing data from cultural resource site atlas, historic archives, maps, site record files, and GIS spatial layers, and information obtained from archaeological inventories of unauthorized routes, to identify cultural resources in the APE that may have cumulative effects.

**Rationale:** Motorized Recreation PA.

Prior to the 1974 Forest and Rangeland Renewable Resources Planning Act (RPA), effects to cultural resources were not considered during project planning or implementation. Consequently, cumulative impacts of varying degrees occurred within the project area from various land management activities

including mining, logging, road construction, recreation development, dam construction, and hydroelectric development to name a few. Stochastic effects, such as natural environmental processes and unrestricted land uses, have also contributed to effects to cultural resources within the project area. These include dispersed recreation, looting and vandalism by the public, unregulated OHV use, illegal mountain bike trail construction, mining, previous road and trail construction and existing road and trail conditions, wildfires, erosion, and exposure to the elements.

Subsequent to the 1974 RPA, the vast majority of cultural resources were protected using “flag and avoid” measures. Unfortunately, this management practice, which is essentially deferred management, has resulted in a high number of recorded archaeological sites that have not been evaluated for inclusion into the NRHP resulting in the Forest managing hundreds of sites that may be ineligible for inclusion.

All projects listed in the Reasonably Foreseeable Projects and Cumulative Effects (Appendix H) have been or will be subject to NHPA Section 106 compliance and potential effects to cultural resources would be identified at that time following stipulations in the *Programmatic Agreement Among the USDA Forest Service, Pacific Southwest Region, California State Historic Preservation Officer, and Advisory Council on Historic Preservation Regarding the Identification, Evaluation and Treatment of Historic Properties Managed by the National Forests of the Sierra Nevada, California* (Sierra PA; USDA 1996) or successor agreement(s).

## **Cultural Resources: Affected Environment**

Cultural resources are archaeological, cultural, and historical legacies from our past that are more than 50 years old. Cultural resource information, combined with environmental data, can illuminate past relationships between people and the land. Cultural-ecological relationships, the result of both natural processes and approximately 10,000 years of human interaction in the North-Central Sierra Nevada, are key topics in this region’s anthropological, archaeological, and historical research.

With over 3,000-recorded sites on Tahoe National Forest System land, the Forest contains a variety of prehistoric and historic archaeological sites, buildings, features and objects (Table 3.05-1). Research of cultural resources discovered within the Tahoe National Forest (TNF) indicate that people have been using the Forest for over 8,000 years with intensification occurring within the last 5,000-4,000 years. By 5,000 years ago on the Westside of the Forest, permanent villages were established at elevations generally below 3,500 feet (snow line). On the Eastside of the Forest, winter villages were located in the lower elevation valleys where Reno and Carson City, Nevada, are located. Prior to the crossing of the Sierra Nevada by emigrant parties, an extensive trail system was established by Native people for travel and trade. Many of these trails became major travel routes into California during the historic era. Two Native American ethnographic groups, the Nisenan Maidu and the Washoe, have direct ties to Tahoe National Forest System land. To date, no traditional cultural properties (TCP) or sites of religious or cultural importance have been identified within the TNF.

**Table 3.05-1. Cultural Resource Sites within the Tahoe National Forest**

Type of Site	# Sites
Documented Sites	3,228
National Register Listed Properties (included in the figure given above)	7

Sites representing prehistoric and ethnographic land use include seasonal villages, temporary camps, toolstone quarries, bedrock mortar milling locations, and petroglyphs. People today favor many of the areas preferred by Native people. Resource extraction, grazing, residential development, and recreation are common modern activities throughout the Forest.

During the late 1830s and 1840s, trappers and explorers began venturing into California. With the discovery of gold in Coloma in 1848 came a massive emigration of gold seekers and settlers into the area now encompassed by the TNF. This event had a devastating effect on the local Native American Maidu groups through the impacts of displacement, disease, Native food resources elimination, and death. Numerous trails and routes were established across the TNF including various branches associated with the Overland Emigrant Trail, the Placer County Emigrant Trail, and the Henness Pass Road. These early roads accessed different mining communities. Local toll roads and turnpikes, like the Michigan to Last Chance Trail, the Enterprise and the Pacific Turnpikes, the Skillman Flat Toll Road, the Galloway Ridge Road and the Sierra Turnpike, were constructed to link settlements and transport supplies. The completion of the Central Pacific Railroad across the North-Central Sierra Nevada, and the TNF, established this route as one of the major transportation corridors into California. Four of California's original 64 State Highways, including the Victory and Lincoln Highways, are within the TNF (State Highways 25, 36, 38 and 37) as is part of the Tahoe to Ukiah Highway (State Route 20). The Victory and Lincoln Highways followed the corridor of the Central Pacific Railroad. This corridor eventually became Highway 40 and Interstate 80. These routes have played an important part in changing the environment as the access to the Forest allowed for early (i.e., beginning with the 1849 Gold Rush) and extensive development.

Historic mining is only located on the Westside of the Forest. Due to the deeply incised nature of the terrain, many of the sites are located in the rugged terrain of the Yuba, Bear, and American Rivers and their associated tributaries. This area of California was one of the richest producing gold areas in the State. Consequently, hundreds of mines and roads to access the mines were established in the 1850s.

Logging occurred throughout the entire Forest and an extensive network of logging road and railroad grades were built to supply lumber and various wood products to support other industries (mining, construction, fuel for steam power, and shipping containers). On the Eastside of the Forest, with its open Eastside Pine habitat and terrain, logging, ranching, and ice production were primary industries. Beginning in the 1890s, railroad based logging extended from the Central Pacific Railroad to the farthest reaches of the Forest on the Eastside and eventually linked into the Feather River Canyon railroad line on the north end of Sierra Valley. Many of these railroad grades provide the footprint for many roads on the Eastside. On the Westside of the forest, large scale commercial logging companies focused on relatively easy to log terrain that bordered the Central Pacific Railroad. In the rugged mountainous mining areas of

Downieville and Foresthill, local mills supplied more local needs and markets. Logging has continued until recent years as a dominant industry in the TNF.

Historic cultural resources reflect particularly the cultural and economic products of the rapid pace of technological achievement in the last two centuries. These more recent resources often reflect industrial and technological advances in resource extraction, landscape use, and, later, management by the Forest Service and other State and local agencies.

Sites representing historic land use include cabins, roads and trails, bridges, lumber or mining mill complexes, town sites, ditches, homesteads, sheep camps, arbor glyphs (tree carvings), railroad grades, trestles, mining shafts and adits, ground sluicing areas and tailings, Forest Service administrative buildings and compounds, along with logging, mining, grazing, and recreation landscapes. Nearly all of the historic sites found in the TNF date from ca. 1846 to the present. Historic sites provide many opportunities for interpretation and public appreciation.

### Existing Conditions

Field surveys were conducted to identify cultural resources in the APE that may be affected by the undertaking (i.e., to determine the resources at risk). New sites located were recorded. Existing sites were monitored to obtain current condition information. Cultural resources specialists conducted field surveys during the field seasons of 2007-2009. Existing archaeological, historic, and ethnographic literature in the Forest’s Heritage Program files, Infra database and GIS were reviewed. A cultural resources report summarizes the data collected for this proposed undertaking (Tahoe National Forest Cultural Resource Report TNF02051/R2007051700062). The report includes a survey summary and site condition assessment of the sites associated with routes or areas being considered for addition to the NFTS and provides the background information for this chapter.

The primary objectives of this project from its inception in 2007 were to identify cultural resources in the APE that may be affected by the undertaking (i.e., resources at risk) and collect information on their condition. Surveys consisted of pedestrian transects conducted according to methods and standards mandated in the Motorized Recreation PA. The Forest has calculated a maximum of 88 miles of unauthorized routes (13 miles of roads from Alternative 6 and 75 miles of motorized trails from Alternative 5) and 93 miles of Maintenance Level 1 (ML 1) roads (from Alternative 5); the unauthorized routes are being analyzed as potential additions to the NFTS while the ML 1 roads are being considered for re-opening (Table 3.05-2).

**Table 3.05-2. Cultural Resource Survey Miles and Acres within APE\***

Item	Miles	Acres
Unauthorized Routes Previously Surveyed (roads and trails)	55	-
Unauthorized Routes Surveyed for this project (roads and trails)	33	-
ML 1 Roads Previously Surveyed	93	
“Open Areas” Surveyed	-	400
<b>Total</b>	<b>181</b>	<b>400</b>

\*Note: Figures have been rounded.

The existing condition of cultural resources in the APE, the resources at risk, provides baseline information in assessing the potential effect of adding routes to the NFTS. The first step was determining the total number of cultural resources within the APE: 149 cultural resource sites have been identified within the APE. Of this total number, 133 are considered resources at risk. Resources at risk are those cultural resource sites that are either unevaluated or eligible. Table 3.05-3 includes all cultural resources sites regardless of NRHP status where any segment of an unauthorized route transects the boundary of a site despite scale or impact or is within 30 meters of a route. There are routes associated with multiple sites (e.g. Route D\_14 and Site 05175500105). Sites such as this were not double counted in the final number; they are identified in Table 3.05-3 with an asterisk (\*) and in Table 3.05-4.

The NRHP status of all sites is also reported in Table 3.05-3. All cultural resources sites that have not been evaluated for the inclusion in the NRHP are noted as unevaluated. Several sites within the APE have been evaluated for inclusion in the NRHP. There are 17 sites within the APE that are ineligible for inclusion in the NRHP. These sites are not retained in the remaining tables in this chapter. Four (4) sites have been determined to be eligible with one of these listed on the NRHP (FS Site 05175700004); see Table 3.05-5 for a summary.

In addition to the procedures in the Motorized Recreation PA addressing potential effects, the integrity measures listed in the adverse effect criteria at 36 CFR 800.5(a) were also used to characterize the severity of any identified effects:

**Criteria of adverse effect:** an adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property's **location, design, setting, materials, workmanship, feeling, or association.**[emphasis added] Consideration shall be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property's eligibility for the National Register. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance or be cumulative (36 CFR §800.5(a)).

Different disturbance agents can combine in a variety of ways to create a potential effect to cultural resources. The results of field survey and archival review demonstrated a number of potential adverse effects to cultural resources should certain routes be added to the NFTS. The analysis documented both direct effects of designating specific routes (caused by the action and occur at the same time and place) as well as indirect (caused by the action and are later in time or farther removed in distance, but are still reasonably foreseeable). Examples of effects identified are summarized in Table 3.05-6.

The project's effect on the integrity of the 133 unevaluated/eligible at risk cultural resource sites was assessed. Available data and monitoring observations were used to determine whether or not the proposed addition of any route to the NFTS would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association.

Table 3.05-3. Summary of Cultural Resources within the APE

Route ID	Site Number	Site Type	NRHP Status
25-9_p	05175300469	Prehistoric	Unevaluated
491-3_1	05175300337	Multicomponent	Unevaluated
491-3_2	05175300216	Historic	Unevaluated
ARM-5	05175400124	Prehistoric	<b>Ineligible</b>
Boca Reservoir "Open Area"	05175700175	Prehistoric	<b>Ineligible</b>
Boca Reservoir "Open Area"	05175700241	Historic	<b>Ineligible</b>
Boca Reservoir "Open Area"	05175700303	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700305	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700307	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700240/CA-NEV-81*	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	CA-NEV-26	Multicomponent	Unevaluated
Boca Reservoir "Open Area"	05175700747	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700749	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700750	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700775	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700776	Prehistoric	Unevaluated
Boca Reservoir "Open Area"	05175700777	Prehistoric	Unevaluated
H11E10	05175300696	Historic	Unevaluated
H301-6	05175300176*	Historic	Unevaluated
H301-6	05175300188*	Multicomponent	Unevaluated
H3-4-4	05175700148*	Prehistoric	Unevaluated
H54-9	05175600283	Historic	Unevaluated
H54-9	05175600341	Multicomponent	Unevaluated
H54-9	05175600317	Prehistoric	Unevaluated
H88-44	05175400215	Prehistoric	Unevaluated
H889-28	05175700088	Prehistoric	Unevaluated
H889-3-18-5	05175700563*	Prehistoric	Unevaluated
H889-8	05175700395*	Multicomponent	Unevaluated
H889-8	05175700401	Prehistoric	Unevaluated
H894-5-1	05175700240/CA-NEV-81*	Prehistoric	Unevaluated
N25-1-1	05175300347	Prehistoric	Unevaluated
N25-1-1	05175300348	Prehistoric	Unevaluated
N25-2	05175300454	Prehistoric	Unevaluated
N25-6-1	05175300356	Prehistoric	Unevaluated
N25-7	05175300034	Prehistoric	Unevaluated
N261-8-15-2	05175700563*	Prehistoric	Unevaluated
N27-3	05175300514	Historic	Unevaluated
N27-5	05175300446	Prehistoric	Unevaluated
N39-5	05175300217	Historic	Unevaluated
N43-6-2	05175400368	Historic	Unevaluated
N860-20-1	05175600426	Prehistoric	Unevaluated

Route ID	Site Number	Site Type	NRHP Status
N860-20-1	05175700540*	Prehistoric	Unevaluated
N886-14-10	05175700577	Historic	Unevaluated
N886-1-5	05175700009	Multicomponent	Unevaluated
N886-1-5	05175700409	Multicomponent	Unevaluated
N886-18-10	05175700447	Prehistoric	Unevaluated
N886-18-10	05175700529	Prehistoric	Unevaluated
N889-3-30-10	05175700304	Prehistoric	Unevaluated
N890-14-5	05175700511	Prehistoric	Unevaluated
N96-34-2-6	05175400325	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700460	Prehistoric	<b>Ineligible</b>
Prosser Reservoir "Open Area"	05175700609	Multicomponent	Unevaluated
Prosser Reservoir "Open Area"	05175700608/CA-NEV-64	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700753	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700754	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700755	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700756*	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700757	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700758	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700759	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700760	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700761	Prehistoric	Unevaluated
Prosser Reservoir "Open Area"	05175700762	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700535	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700540*	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700004/SIE-S44	Prehistoric	<b>Eligible</b> and listed on the National Register of Historic Places
Stampede Reservoir "Open Area"	05175700763	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700764	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700765	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700766	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700767	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	05175700768	Historic	Unevaluated
Stampede Reservoir "Open Area"	05175700769	Historic	Unevaluated
Stampede Reservoir "Open Area"	05175700770	Historic	Unevaluated
Stampede Reservoir "Open Area"	DWR-S-1	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	SIE-11	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	SIE-12	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	SIE-13	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	SIE-14	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	SIE-15	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	SIE-16	Prehistoric	Unevaluated

Route ID	Site Number	Site Type	NRHP Status
Stampede Reservoir "Open Area"	SIE-17	Prehistoric	Unevaluated
Stampede Reservoir "Open Area"	SIE-28	Prehistoric	<b>Ineligible</b>
D_25_d	05175300004	Historic	<b>Eligible</b>
D_11E03_b	05175300016*	Multicomponent	Unevaluated
D_11E03_c	05175300016*	Multicomponent	Unevaluated
D_11E03_d	05175300016*	Multicomponent	Unevaluated
D_721-2_a	05175300074	Prehistoric	Unevaluated
D_12E66_c	05175300156*	Multicomponent	Unevaluated
D_12E66_d	05175300156*	Multicomponent	Unevaluated
D_S-301_a	05175300176*	Historic	Unevaluated
D_S-301_a	05175300188*	Multicomponent	Unevaluated
D_11E10_a	05175300386*	Historic	Unevaluated
D_12E66_a	05175300404*	Prehistoric	Unevaluated
D_12E66_a	05175300561*	Prehistoric	Unevaluated
D_12E67_d	05175300404*	Prehistoric	Unevaluated
D_12E67_d	05175300561*	Prehistoric	Unevaluated
D_S295_a	05175300436*	Historic	Unevaluated
D_S295_b	05175300436*	Historic	Unevaluated
D_12E68_a	05175300455	Historic	Unevaluated
D_S300_a	05175300595*	Historic	Unevaluated
D_S300_b	05175300595*	Historic	Unevaluated
D_738-4_a	05175300883	Historic	Unevaluated
D_12E66_b	05175300892	Prehistoric	Unevaluated
D_6149-31	05175400008	Historic	Unevaluated
D_P88_d	05175400176	Historic	<b>Eligible</b>
D_P88_b	05175400312	Historic	Unevaluated
D_14_b	05175500105*	Prehistoric	Unevaluated
D_14_c	05175500105*	Prehistoric	Unevaluated
D_14_h	05175500105*	Prehistoric	Unevaluated
D_14_j	05175500105*	Prehistoric	Unevaluated
D_14-4	05175500105*	Prehistoric	Unevaluated
D_18-19_a	05175500344	Prehistoric	Unevaluated
D_738-4_f	05175500363*	Multicomponent	Unevaluated
D_738-4_g	05175500363*	Multicomponent	Unevaluated
D_738-4_e	05175500364	Multicomponent	Unevaluated
D_SIE-855_a	05175600016	Prehistoric	<b>Ineligible</b>
D_5_b	05175600018	Historic	Unevaluated
D_16TH19-1	05175600119	Historic	Unevaluated
D_7-10	05175600164	Historic	Unevaluated
D_860-42	05175600202	Historic	Unevaluated
D_SIE-0560_c	05175600249	Historic	<b>Ineligible</b>
D_S450	05175600338	Prehistoric	Unevaluated

Route ID	Site Number	Site Type	NRHP Status
D_5_a	05175600394	Historic	Unevaluated
D_860-25	05175600421	Prehistoric	Unevaluated
D_SV-M1	05175600431	Multicomponent	Unevaluated
D_560-20_b	05175600442	Historic	<b>Eligible</b>
D_860-40	05175600449	Historic	<b>Ineligible</b>
D_03-4_a	05175700148*	Prehistoric	Unevaluated
D_270-8_b	05175700358*	Multicomponent	Unevaluated
D_270-8_c	05175700358*	Multicomponent	Unevaluated
D_886-10_a	05175700379*	Prehistoric	Unevaluated
D_886-18_a	05175700379*	Prehistoric	Unevaluated
D_886-18_b	05175700379*	Prehistoric	Unevaluated
D_S860_a	05175700620	Multicomponent	Unevaluated
D_787-19	05175700756*	Prehistoric	Unevaluated
D_450-101_a	05175700779	Historic	Unevaluated
D_72_d	05175700125	Historic	<b>Ineligible</b>
D_860-5_b	05175700354*	Prehistoric	<b>Ineligible</b>
D_860-5_h	05175700097/05175700101*	Prehistoric	<b>Ineligible</b>
D_860-5_i	05175700096*	Historic	Unevaluated
D_N886_18C	05175700778	Prehistoric	Unevaluated
D_NEV-3013_b	05175700264	Historic	<b>Ineligible</b>
SV-P14	05175600571	Prehistoric	Unevaluated
SV-P5	05175600574	Historic	<b>Ineligible</b>
TKN-J11	05175700096*	Historic	Unevaluated
TKN-J11	05175700097/05175700101*	Prehistoric	<b>Ineligible</b>
TKN-J11	05175700354*	Prehistoric	<b>Ineligible</b>
TKN-J13	05175700286	Multicomponent	Unevaluated
TKN-J13	05175700287	Prehistoric	Unevaluated
TKN-J6	05175700374	Prehistoric	Unevaluated
TKN-J9	05175700508	Historic	<b>Ineligible</b>
TKN-M2	05175700395*	Multicomponent	Unevaluated
TKN-M2	05175700397	Prehistoric	Unevaluated
TKN-M2	05175700734	Prehistoric	Unevaluated
TKN-Q1	05175700087	Prehistoric	Unevaluated
TKN-Q1	05175700554	Prehistoric	<b>Ineligible</b>
TKN-PP	05175700774	Prehistoric	Unevaluated
TKS-11	05175700735	Prehistoric	Unevaluated
TKS-11	05175700736	Prehistoric	Unevaluated
TKS-M9	05175700450	Historic	<b>Ineligible</b>
YRN-004	05175300676	Historic	Unevaluated
YRN-007	05175300426	Prehistoric	Unevaluated
YRN-008	05175300369	Historic	Unevaluated
YRN-1	05175300881	Historic	Unevaluated

Route ID	Site Number	Site Type	NRHP Status
YRN-2	05175300499	Historic	Unevaluated
YRN-2	05175300545	Historic	Unevaluated
YRN-2	05175300546	Historic	Unevaluated
YRN-4	05175300386*	Historic	Unevaluated
YRN-509	05175300198	Historic	Unevaluated
YRN-509	05175300205	Historic	Unevaluated
YRN-7	05175300674	Historic	Unevaluated
YRN-M2	05175300671	Historic	Unevaluated
YRN-M2	05175300675	Historic	Unevaluated
YRN-M2	05175300890	Historic	Unevaluated
YRS-F1	05175300888	Historic	<b>Ineligible</b>
YRS-SF5	05175500272	Historic	Unevaluated
Unauthorized routes not included in any alternative	749 additional sites		

**Note:** Under site type, prehistoric indicates Native American sites; historic designates sites that date from 1846 until 50 years ago, and multicomponent refers to a location that contains artifacts and/or features from both time periods; \* indicates a site listed multiple times but only counted once.

**Table 3.05-4. Cultural Resource Sites Associated with Multiple Routes within the APE by Alternative**

Route ID	Site Number	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
D_11E03_b	05175300016	X	X		X	X	
D_11E03_c	05175300016	X	X		X	X	
D_11E03_d	05175300016	X	X		X	X	
D_12E66_c	05175300156	X	X	X	X	X	
D_12E66_d	05175300156	X	X	X	X	X	
D_S-301_a	05175300176	X	X	X	X	X	
H301-6	05175300176	X			X		
D_S-301_a	05175300188	X	X	X	X	X	
H301-6	05175300188	X			X		
D_11E10_a	05175300386	X	X		X	X	
YRN-4	05175300386	X	X		X	X	X
D_12E66_a	05175300404	X	X		X	X	
D_12E67_d	05175300404	X	X		X	X	
D_S295_a	05175300436	X	X	X	X	X	
D_S295_b	05175300436	X	X	X	X	X	
D_12E66_a	05175300561	X	X		X	X	
D_12E67_d	05175300561	X	X		X	X	
D_S300_a	05175300595	X	X	X	X	X	
D_S300_b	05175300595	X	X	X	X	X	
D_14_b	05175500105	X	X	X	X	X	
D_14_c	05175500105	X				X	
D_14_h	05175500105	X				X	
D_14_j	05175500105	X	X	X	X	X	

Route ID	Site Number	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
D_14-4	05175500105	X				X	
D_738-4_f	05175500363	X			X	X	
D_738-4_g	05175500363	X			X	X	
D_860-5_i	05175700096	X				X	
TKN-J11	05175700096	X	X		X	X	
D_03-4_a	05175700148	X	X	X	X	X	
H3-4-4	05175700148	X			X		
Boca Reservoir "Open Area"	05175700240/CA-NEV-81	X	X				
H894-5-1	05175700240/CA-NEV-81	X			X		
D_270-8_b	05175700358	X				X	
D_270-8_c	05175700358	X				X	
D_886-10_a	05175700379	X	X		X	X	
D_886-18_a	05175700379	X	X		X	X	
D_886-18_b	05175700379	X	X		X	X	
H889-8	05175700395	X			X		
TKN-M2	05175700395	X	X		X	X	
N860-20-1	05175700540	X			X		
Stampede Reservoir "Open Area"	05175700540	X	X				
H889-3-18-5	05175700563	X			X		
N261-8-15-2	05175700563	X			X		
D_787-19	05175700756	X				X	
Prosser Reservoir "Open Area"	05175700756	X	X				

**Note:** Sites that have been determined ineligible were not included in this table. Alternative 3 was not listed on this table because no additions or changes to the NFTS would occur.

**Table 3.05-5. Summary of Cultural Resource Sites within the APE**

Unevaluated	Eligible	Ineligible	Total Number of Sites in APE	Total Number of Unevaluated and Eligible Sites in the APE
129	4	16	149	133

**Table 3.05-6. Examples of Site Effects Documented at Cultural Resource Sites at Risk**

Direct/Minor Effects	Direct/Moderate Effects
§ Driving off-established routes onto cultural sites. § Motorized vehicle camping-related activities (e.g., digging fire pits) within boundaries of cultural sites. § Illicit digging activities (looting).	§ Routes traverse cultural resource sites causing displacement of artifacts. § Routes with improper drainage causing erosion. § In open areas, multiple vehicular tracks crisscrossing sites.

The magnitude of any effect to a cultural resource site’s integrity determines the severity of any direct, indirect, or cumulative effects. The following effect analysis identifies the scale and severity of potential adverse effects. Accordingly, effects are categorized based on a professional assessment of the data available to date: none/negligible, minor, moderate, and major. These categories represent a progressive scale that provides a qualitative assessment of the severity of any direct, indirect, or

cumulative effects to the integrity of a cultural resource site. Routes in varying degrees have transected most sites in the APE. In some cases, effects to cultural resources were negligible (i.e., none) and no mitigation measures are required. However, monitoring was recommended in these situations or when effects were difficult to determine (i.e., camping at a very large quarry site).

Working definitions for the four severity categories are provided in Table 3.05-7. A severity rating of “minor” indicates that some relatively minor disturbance has been noted within the boundaries of the cultural resource site. A “minor” value indicates that, if present patterns of use are indicative of future trends, direct and indirect effects can most likely be avoided or lessened by employing the simplest of protection measures. In most cases, this would consist of installing barriers to keep vehicles on the route or within motorized vehicle based dispersed camping to a confined location.

If a cultural resource site is “moderately” susceptible to direct, indirect or cumulative effects, evidence of more extensive site disturbance has been noted. In this case, mitigation measures to avoid or minimize identified effects are required. Prescribed mitigation measures for moderate severity effects will most often take the form of physical barriers that prohibit off-route travel that could adversely affect cultural resources. Materials used may consist of timber, boulders, vegetation or other materials, or a combination thereof. A number of alternative mitigation measures could be employed, many of which are expressly described in the Motorized Recreation PA. In the event that the mitigation measures listed in the Motorized Recreation PA are inadequate or untenable, the PA will no longer apply and compliance with 36 CFR §800 regulations will be necessary.

An effect severity rating of “major” indicates that the integrity of cultural resource site values would be affected in a significant way unless appropriate mitigation measures are implemented. A “major” value is reserved for those cases where a cultural resource site exhibits evidence of an adverse effect associated with past activities either directly or indirectly associated with the motorized use of an unauthorized route and these adverse effects will continue or increase if the route or area is added to the NFTS. Any major severity effects from proposed routes identified during this analysis were addressed through the Section 106 process (i.e., evaluation of Site 05175300888) or the route was eliminated from consideration. No major severity effects to cultural resources exist under any of the action alternatives.

**Table 3.05-7. Severity of Effects Definitions**

Severity of Effects	Working Definition	Explanatory Notes
<b>None/Negligible</b>	Cultural resources are adjacent to routes but are not transected by a route or the route transects a portion of the site. The effect on NRHP values is insignificant.	If the effect on integrity measures is determined to be “negligible,” there is essentially no measurable effect on the cultural resource; therefore no mitigation measures are prescribed. Monitoring is recommended.
<b>Minor</b>	Effects on cultural resources are relatively minor, but not insignificant. Integrity of the NRHP values may diminish if measures are not taken to alleviate the potential effect.	If the severity of effect is determined to be “minor,” some type of mitigation measure may be required. Most minor problems consist of indirect effects. In some cases, monitoring is prescribed to ensure that the minor degree of disturbance (or potential for disturbance) initially noted does not increase in severity over time. It is assumed for minor effects that an adaptive management

Severity of Effects	Working Definition	Explanatory Notes
		strategy will be employed - a prescription specifically outlined in the Motorized Recreation PA. Signs, for example, may be erected as a first measure. If signs do not curtail potential adverse actions, more aggressive measures will be taken. Barriers (such as low impact barriers) are sometimes prescribed for minor threats when it appears as though the action responsible for the disturbance is well entrenched and not likely to be curtailed by the simple installation of a sign. The threshold between a “minor” and “moderate” threat is therefore more subjective than others.
<b>Moderate</b>	Effects on cultural resources are either localized or noted in multiple areas. Materials associated with NRHP values exhibit some degree of damage or alteration, but NRHP integrity can be retained or improved if the detrimental activity is curtailed	If the integrity measure is determined to be “moderate,” some types of mitigation measures are required. In most cases the preferred method will be to erect a barrier large enough to prohibit vehicle traffic off the designated route, thereby eliminating the potential for an adverse effect to cultural resources. Padding of the cultural material in order to eliminate potential effect is also an option.
<b>Major</b>	Effects on cultural resources are severe. If that particular route is added to the system without mitigation measures, the action would result in adverse effects to the NRHP values.	If the effect is determined to be “major,” more complex and potentially costly mitigation measures are required to prevent direct adverse effects to the resource. In some cases, potential mitigation measures can not be determined without additional consultation under 36 CFR §800.

Table 3.05-8 provides a summary of the effects to cultural resources at risk based on an analysis of effects to site integrity (i.e., degree to which the integrity of historic property values are diminished). The data categorize current forest-wide severity of effects if no action is taken to avoid adverse effects.

**Table 3.05-8. At-Risk Sites Summarized According to Type and Severity of Effect based on Alternative 1**

Unknown	None	Direct/Minor	Direct/Moderate	Major	Total
8	11	80	34	None	133

## Cultural Resources: Environmental Consequences

### Considerations for all alternatives

This section discloses the environmental effects of each of the alternatives on cultural resources on the Forest. This analysis is focused on the effects of five management actions: (1) the prohibition of cross country motorized travel, (2) additions of currently unauthorized routes to the National Forest Transportation System (NFTS), (3) establishment of motorized “Open Areas,” (4) changes to the existing NFTS, and (5) Amendments to the Forest Plan. These 5 management actions have indicators that are used in determining effects for the proposed actions. The indicators were previously listed in the Cultural Resources Indicators section under the Effects Analysis Methodology.

## Direct and indirect effects common to all alternatives

To minimize redundancy, cross country travel, additions to the NFTS, establishment of “Open Areas,” changes to the NFTS, and amendments to the Forest Plan are addressed corporately in the following section for all seven of the alternatives.

**Cross Country Travel:** For all of the action alternatives, the prohibition of motor vehicle use off designated transportation systems and areas would have a beneficial effect on cultural resources throughout the Forest in the short and long terms. It would curtail on-going potential for adverse effects and reduce the threat to cultural and historic properties that would occur if use were to continue on all unauthorized roads and trails. It would also help eliminate potential effects resulting from the creation of any new routes and trails if cross-country motorized vehicle use was not prohibited. Under this prohibition, most, if not all, future permitted or other authorized motorized vehicle travel off designated NFTS roads would be subject to NHPA Section 106 compliance and potential effects to cultural and historic properties can be identified at that time. Under Alternative 1, cross country travel would continue, except for areas previously prohibited to motorized use.

**Additions to the NFTS:** This is addressed individually under each alternative discussion, except for Alternatives 1 and 3, which do not add any routes to the NFTS.

**Establishment of Motorized “Open Areas”:** This is addressed individually under Alternatives 2 and 6, the only alternatives to establish “Open Areas.” The establishment of “Open Areas” would not affect cultural resources in Alternatives 1, 3, 4, 5, and 7 as no “Open Areas” are proposed.

**Changes to the existing NFTS:** Proposed changes to the existing NFTS are minimal. A modification proposed to existing system routes is a change in permitted vehicle class. For purposes of this cultural resource assessment, it is assumed that there is no measurable difference in the magnitude of effects to cultural resources between full-size four-wheel drive vehicles, passenger vehicles, specialized off-highway vehicles, and single-track motorcycle trails. Based on the current data available, there is no measurable difference in the scale of potential damage to cultural resources, regardless of vehicle size or type.

Change in season of use has no effect on cultural resources and will not be addressed under each alternative.

The changes to the NFTS resulting from reopening Maintenance Level 1 (ML 1) roads will be addressed under Alternatives 4, 5, 6, and 7 since those are the only alternatives that add ML 1 roads to the NFTS.

**Amendments to the Forest Plan:** There is no effect to cultural resources from amending the Forest Plan; therefore, this will not be addressed under each alternative.

**Effects of Mitigation Measures on Cultural Resources:** As described in Chapter 2 (The Alternatives) and Appendix A (Site Specific Road, Trail and Open Area Information), mitigation measures have been proposed to eliminate or lessen direct, indirect, and cumulative effects on forest resources. Some mitigation may consist of ground-disturbing activities with the potential to adversely affect cultural resources. In this section, all proposed mitigation measures are reviewed and those with the potential to affect cultural resources are identified and analyzed.

Certain mitigation measures have little or no potential to affect cultural resources because they do not involve ground or surface disturbance. Mitigations that do not pose a threat include: monitoring, seasonal closures, installation of single-post signs, and installation of non-intrusive barriers to control traffic flow. Weed removal mitigations also pose no threat to cultural resources. The mitigation measures listed in this paragraph have little or no potential to affect cultural resources and are therefore exempt from further analysis.

**Site specific effects:** Table 3.05-9 shows the site specific motorized effects on at risk cultural resource sites by alternative. Sites that have been determined ineligible have been removed from this table and the specific alternative tables. The protection measures initially prescribed may qualify as the minimal actions necessary to alleviate potential adverse effects. The Motorized Recreation PA mandates that all at-risk properties within the APE be monitored over a two-year period after designation. If monitoring demonstrates that protection measures initially prescribed prove ineffective, other protection measures in the PA will be used as appropriate or the SHPO will be consulted to identify other resource protection or management needs. This type of adaptive management approach is an option in the Motorized Recreation PA. Table 3.05-10 summarizes motorized effects on at-risk cultural resources by alternative.

**Table 3.05-9. Site Specific Motorized Effects on Cultural Resources at Risk by Alternative**

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
25-9_p	05175300469	Displacement	Direct/minor	Monitor	X			X	X	
491-3_1	05175300337	None	None	Monitor	X			X	X	
491-3_2	05175300216	Displacement	Direct/minor	Monitor	X					
Boca Reservoir "Open Area"	05175700303	Displacement	Direct/minor	Install barriers to keep users on system route	X	X				
Boca Reservoir "Open Area"	05175700305	Displacement	Direct/minor	Install barriers to keep users on system route	X	X				
Boca Reservoir "Open Area"	05175700307	Displacement	Direct/minor	Install barriers to keep users on system route	X	X				
Boca Reservoir "Open Area"	05175700240/CA-NEV-81*	Displacement	Direct/minor	Install barriers to keep users on system routes	X	X				
Boca Reservoir "Open Area"	CA-NEV-26	Displacement	Direct/moderate	Site is below high water in closed BOR area. Demarcate closed area.	X	X				
Boca Reservoir "Open Area"	05175700747	Displacement	Direct/moderate	Install barriers	X	X				
Boca Reservoir "Open Area"	05175700749	Displacement	Direct/moderate	Install barriers	X	X				
Boca Reservoir "Open Area"	05175700750	Displacement	Direct/moderate	Install barriers	X	X				
Boca Reservoir "Open Area"	05175700775	Displacement	Direct/moderate	Install barriers	X	X				
Boca Reservoir "Open Area"	05175700776	Displacement	Direct/moderate	Install barriers	X	X				
Boca Reservoir "Open Area"	05175700777	Displacement	Direct/moderate	Install barriers	X	X				
H11E10	05175300696	Displacement	Direct/minor	Monitor	X			X		
H301-6	05175300176*	Displacement	Direct/minor	Monitor	X			X		
H301-6	05175300188*	Displacement	Direct/minor	Monitor	X			X		
H3-4-4	05175700148*	Displacement	Direct/minor	Monitor	X			X		
H54-9	05175600283	Displacement	Direct/minor	Monitor	X			X		
H54-9	05175600341	Displacement	Direct/minor	Monitor	X			X		
H54-9	05175600317	Displacement	Direct/minor	Monitor	X			X		

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
H88-44	05175400215	Displacement	Direct/minor	Monitor	X			X		
H889-28	05175700088	Displacement	Direct/minor	Monitor	X			X		
H889-3-18-5	05175700563*	Displacement	Direct/minor	Monitor	X			X		
H889-8	05175700395*	Displacement	Direct/minor	Monitor	X			X		
H889-8	05175700401	Displacement	Direct/minor	Monitor	X			X		
H894-5-1	05175700240/CA-NEV-81*	Displacement	Direct/minor	Monitor	X			X		
N25-1-1	05175300347	Displacement	Direct/minor	Monitor	X			X		
N25-1-1	05175300348	Displacement	Direct/minor	Monitor	X			X		
N25-2	05175300454	Displacement	Direct/minor	Monitor	X			X		
N25-6-1	05175300356	Displacement	Direct/minor	Monitor	X			X		
N25-7	05175300034	Displacement	Direct/minor	Monitor	X			X		
N261-8-15-2	05175700563*	Displacement	Direct/minor	Monitor	X			X		
N27-3	05175300514	Displacement	Direct/minor	Monitor	X			X		
N27-5	05175300446	Displacement	Direct/minor	Monitor	X			X		
N39-5	05175300217	Displacement/looting	Direct/minor	Monitor	X			X		
N43-6-2	05175400368	Displacement	Direct/minor	Monitor	X			X		
N860-20-1	05175600426	Displacement	Direct/minor	Monitor	X			X		
N860-20-1	05175700540*	Displacement	Direct/minor	Monitor	X			X		
N886-14-10	05175700577	Displacement	Direct/minor	Monitor	X			X		
N886-1-5	05175700009	Displacement	Direct/minor	Monitor	X			X		
N886-1-5	05175700409	Displacement	Direct/minor	Monitor	X			X		
N886-18-10	05175700447	Displacement	Direct/minor	Monitor	X			X		
N886-18-10	05175700529	Displacement	Direct/minor	Monitor	X			X		
N889-3-30-10	05175700304	Displacement	Direct/minor	Monitor	X			X		
N890-14-5	05175700511	Displacement	Direct/minor	Monitor	X			X		
N96-34-2-6	05175400325	Displacement	Direct/minor	Monitor	X			X		
Prosser Reservoir "Open Area"	05175700609	Displacement/shoreline erosion/high level of motorized use	Direct/moderate	Install barriers	X	X				

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
Prosser Reservoir "Open Area"	05175700608/CA-NEV-64	Displacement/shoreline erosion/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700753	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700754	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700755	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700756*	Displacement	Direct/minor	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700757	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700758	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700759	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700760	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700761	Displacement/ high level of motorized use	Direct/moderate	Install barriers	X	X				
Prosser Reservoir "Open Area"	05175700762	Displacement/high level of motorized use	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700535	Displacement	Direct/moderate	Install barriers to keep users on route	X	X				
Stampede Reservoir "Open Area"	05175700540*	Displacement	Direct/moderate	Install barriers to keep users on route	X	X				
Stampede Reservoir "Open Area"	05175700004/SIE-S44	Displacement/shoreline erosion	Direct/minor	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700763	Displacement	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700764	Displacement	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700765	Displacement	Direct/moderate	Install barriers	X	X				

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
Stampede Reservoir "Open Area"	05175700766	Displacement	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700767	Displacement	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700768	Displacement	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700769	Displacement	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	05175700770	Displacement	Direct/moderate	Install barriers	X	X				
Stampede Reservoir "Open Area"	DWR-S-1	Unknown-below waterline	Unknown	N/A	X	X				
Stampede Reservoir "Open Area"	SIE-11	Unknown-below waterline	Unknown	N/A	X	X				
Stampede Reservoir "Open Area"	SIE-12	Unknown-below waterline	Unknown	N/A	X	X				
Stampede Reservoir "Open Area"	SIE-13	Unknown-below waterline	Unknown	N/A	X	X				
Stampede Reservoir "Open Area"	SIE-14	Unknown-below waterline	Unknown	N/A	X	X				
Stampede Reservoir "Open Area"	SIE-15	Unknown-below waterline	Unknown	N/A	X	X				
Stampede Reservoir "Open Area"	SIE-16	Unknown-below waterline	Unknown	N/A	X	X				
Stampede Reservoir "Open Area"	SIE-17	Unknown-below waterline	Unknown	N/A	X	X				
D_25_d	05175300004	Displacement	Direct/minor	Monitor	X	X	X	X	X	
D_11E03_b	05175300016*	Displacement/Camping	Direct/minor	Monitor	X	X		X	X	
D_11E03_c	05175300016*	Displacement/Camping	Direct/minor	Monitor	X	X		X	X	
D_11E03_d	05175300016*	Displacement/Camping	Direct/minor	Monitor	X	X		X	X	
D_721-2_a	05175300074	Displacement/Camping	Direct/minor	Monitor	X	X	X	X	X	
D_12E66_c	05175300156*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_12E66_d	05175300156*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_S-301_a	05175300176*	Camping	Direct/minor	Monitor	X	X	X	X	X	

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
D_S-301_a	05175300188*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_11E10_a	05175300386*	None	None	Monitor	X	X		X	X	
D_12E66_a	05175300404*	Camping	Direct/minor	Monitor	X	X		X	X	
D_12E66_a	05175300561*	Camping	Direct/minor	Monitor	X	X		X	X	
D_12E67_d	05175300404*	Camping	Direct/minor	Monitor	X	X		X	X	
D_12E67_d	05175300561*	Camping	Direct/minor	Monitor	X	X		X	X	
D_S295_a	05175300436*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_S295_b	05175300436*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_12E68_a	05175300455	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_S300_a	05175300595*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_S300_b	05175300595*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_738-4_a	05175300883	Camping	Direct/minor	Monitor	X	X		X	X	
D_12E66_b	05175300892	Camping	Direct/minor	Monitor	X	X		X	X	
D_6149-31	05175400008	Camping/looting	Direct/minor	Monitor	X				X	
D_P88_d	05175400176	None	None	Monitor	X				X	
D_P88_b	05175400312	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_14_b	05175500105*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_14_c	05175500105*	Camping	Direct/minor	Monitor	X				X	
D_14_h	05175500105*	Camping	Direct/minor	Monitor	X				X	
D_14_j	05175500105*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_14-4	05175500105*	Camping	Direct/minor	Monitor	X				X	
D_18-19_a	05175500344	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_738-4_f	05175500363*	Camping	Direct/minor	Monitor	X			X	X	
D_738-4_g	05175500363*	Camping	Direct/minor	Monitor	X			X	X	
D_738-4_e	05175500364	Camping	Direct/minor	Monitor	X			X	X	
D_5_b	05175600018	Camping	Direct/minor	Monitor	X				X	
D_16TH19-1	05175600119	Camping	Direct/minor	Monitor	X				X	
D_7-10	05175600164	Camping	Direct/minor	Monitor	X				X	
D_860-42	05175600202	Camping	Direct/minor	Monitor	X				X	
D_S450	05175600338	Camping	Direct/minor	Monitor	X				X	

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
D_5_a	05175600394	Camping	Direct/minor	Monitor	X				X	
D_860-25	05175600421	Camping	Direct/minor	Monitor	X				X	
D_SV-M1	05175600431	Camping	Direct/minor	Monitor	X				X	
D_560-20_b	05175600442	Camping	Direct/minor	Monitor	X				X	
D_03-4_a	05175700148*	Camping	Direct/minor	Monitor	X	X	X	X	X	
D_270-8_b	05175700358*	Camping	Direct/minor	Monitor	X				X	
D_270-8_c	05175700358*	Camping	Direct/minor	Monitor	X				X	
D_886-10_a	05175700379*	Camping	Direct/minor	Monitor	X	X		X	X	
D_886-18_a	05175700379*	Camping	Direct/minor	Monitor	X	X		X	X	
D_886-18_b	05175700379*	Camping	Direct/minor	Monitor	X	X		X	X	
D_S860_a	05175700620	Camping	Direct/minor	Monitor	X				X	
D_787-19	05175700756*	Camping	Direct/minor	Monitor	X				X	
D_450-101_a	05175700779	Camping	Direct/minor	Monitor	X	X		X	X	
D_860-5_i	05175700096*	Camping	None	None	X				X	
D_N886_18C	05175700778	Camping	Direct/minor	Monitor	X				X	
SV-P14	05175600571	Displacement	Direct/minor	Install barriers to keep users on route	X	X	X	X	X	X
TKN-J11	05175700096*	Camping	None	None	X	X		X	X	
TKN-J13	05175700286	Displacement/shoreline erosion	Direct/moderate	Install barriers	X	X	X	X	X	X
TKN-J13	05175700287	Displacement/shoreline erosion	Direct/moderate	Install barriers	X	X	X	X	X	X
TKN-J6	05175700374	Displacement/camping	Direct/minor	Recreation mitigation (barriers)	X	X		X	X	X
TKN-M2	05175700395*	Displacement	Direct/minor	Install barriers to keep users on route	X	X		X	X	
TKN-M2	05175700397	Displacement	Direct/minor	Install barriers to keep users on route	X	X		X	X	
TKN-M2	05175700734	Erosion/Displacement	Direct/moderate	Install barriers to keep users on route-	X	X		X	X	
TKN-Q1	05175700087	Displacement	Direct/minor	Monitor	X	X		X	X	
TKN-PP	05175700774	Displacement	Direct/minor	Monitor	X				X	

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 1	Alt 2	Alt 4	Alt 5	Alt 6	Alt 7
TKS-11	05175700735	None	None	None	X	X		X	X	X
TKS-11	05175700736	None	None	Monitor	X	X		X	X	X
YRN-004	05175300676	Displacement	Direct/minor	Monitor	X	X		X		
YRN-007	05175300426	None	None	Monitor	X	X		X		
YRN-008	05175300369	Displacement /rutting	Direct/moderate	Install barriers to keep users on route and to designate camping areas.	X	X		X	X	
YRN-1	05175300881	None	None	Monitor	X	X		X	X	X
YRN-2	05175300499	Erosion	Direct/moderate	Monitor-	X	X		X	X	X
YRN-2	05175300545	Displacement	Direct/minor	Install barriers to keep users on route	X	X		X	X	X
YRN-2	05175300546	None	None	Monitor	X	X		X	X	X
YRN-4	05175300386*	None	None	Monitor	X	X		X	X	X
YRN-509	05175300198	Displacement	Direct/minor	Install barriers to prohibit use on spur road off main route	X			X	X	
YRN-509	05175300205	Displacement	Direct/minor	Install barriers to prohibit use on spur road off main route	X			X	X	
YRN-7	05175300674	Erosion	Direct/moderate	Monitor-	X	X		X		X
YRN-M2	05175300671	Erosion	Direct/moderate	Monitor-	X	X		X		
YRN-M2	05175300675	Displacement	Direct/minor	Monitor	X	X		X		
YRN-M2	05175300890	None	None	Monitor	X	X		X		
YRS-SF5	05175500272	None	None	Monitor	X	X	X	X	X	X
Unauthorized routes not included in any alternative	749 additional sites									

**Note:** Sites that have been determined ineligible were not included in this table. Alternative 3 was not listed on this table because no additions or changes to the NFTS would occur;

\* indicates a site listed multiple times but only counted once.

**Table 3.05-10. Summary Comparison of Effect, Type, and Severity on At Risk Cultural Resources**

Effect	Type/Severity	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7
Displacement/erosion/rutting	Direct/Moderate	34	34	0	2	7	5	4
Displacement/camping/looting	Direct/Minor	80	34	0	13	60	45	3
None or Unknown	None	19	17	0	1	10	9	6
<b>Total</b>		<b>133</b>	<b>85</b>	<b>0</b>	<b>16</b>	<b>77</b>	<b>59</b>	<b>13</b>
<b>Cross Country Travel</b>		Continues	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited

### Alternative 1: No Action

The No Action Alternative provides a baseline for comparing the other alternatives. Under the No Action Alternative, no changes would be made to the NFTS and there would be no prohibition of cross country travel. Current management plans would continue to guide project area management. The Travel Management Rule would not be implemented, and no motor vehicle use map (MVUM) would be published. Motor vehicle travel by the public would not be limited to designated routes. Unauthorized routes would continue to proliferate and would have no status or authorization as NFTS facilities.

### Direct and Indirect Effects

General effects of the No Action Alternative on cultural resources have been addressed in the Environmental Consequences section (above). One hundred thirty-three (133) cultural resource sites have been identified as resources at risk within the APE. They are vulnerable to effects if no action is taken to manage motorized use. An additional 749 sites are located near, or are transected by, unauthorized routes not addressed under any alternative in this analysis; these sites are also resources at risk. To quantify potential cumulative effects, one can calculate the average number of previously identified cultural resource sites per acre that would be susceptible to new routes created in the future without a prohibition. Within the TNF, 3,228 cultural resources sites have been identified. Site density averages .004 cultural resource sites for every acre. Excluding the 133 cultural resource sites that have already been identified (Table 3.05-5) within the APE, upwards of 3,095 additional cultural resource sites could be susceptible to an adverse effect if no management actions were implemented (this number includes the 749 sites associated with unauthorized routes not addressed under any alternative in this analysis).

Under Alternative 1, cross country travel would not be prohibited. There would be no management of any known unauthorized motorized routes. An unknown number of additional routes not being proposed in this project would continue to be used. Of the 133 cultural resource sites located within this alternative (refer to Table 3.05-4), 34 sites have moderate effects and 80 have minor effects that would continue and likely increase. The type and severity of effects for the remaining 19 is “none” or unknown (unknown was used for sites that were under water). Since cross country travel could occur anywhere on the forest, an unidentified number of cultural resources could be affected including the 749 sites located near or transected by unauthorized routes not addressed under any alternative in this analysis. This alternative does not propose any mitigation for these potential effects. Alternative 1 would have unmitigated adverse effects on upwards of 882 cultural resource sites (133 sites within the APE and 749 sites associated with

unauthorized routes not addressed under any alternative in this analysis); it would not meet the requirements of Section 106 of the NHPA.

**Table 3.05-11. Summary of Effects to Cultural Resources at Risk: Alternative 1**

Route ID	Site Number	Effect	Type/Severity	Alt 1
25-9_p	05175300469	Displacement	Direct/minor	X
491-3_1	05175300337	None	None	X
491-3_2	05175300216	Displacement	Direct/minor	X
Boca Reservoir "Open Area"	05175700303	Displacement	Direct/minor	X
Boca Reservoir "Open Area"	05175700305	Displacement	Direct/minor	X
Boca Reservoir "Open Area"	05175700307	Displacement	Direct/minor	X
Boca Reservoir "Open Area"	05175700240/CA-NEV-81*	Displacement	Direct/minor	X
Boca Reservoir "Open Area"	CA-NEV-26	Displacement	Direct/moderate	X
Boca Reservoir "Open Area"	05175700747	Displacement	Direct/moderate	X
Boca Reservoir "Open Area"	05175700749	Displacement	Direct/moderate	X
Boca Reservoir "Open Area"	05175700750	Displacement	Direct/moderate	X
Boca Reservoir "Open Area"	05175700775	Displacement	Direct/moderate	X
Boca Reservoir "Open Area"	05175700776	Displacement	Direct/moderate	X
Boca Reservoir "Open Area"	05175700777	Displacement	Direct/moderate	X
H11E10	05175300696	Displacement	Direct/minor	X
H301-6	05175300176*	Displacement	Direct/minor	X
H301-6	05175300188*	Displacement	Direct/minor	X
H3-4-4	05175700148*	Displacement	Direct/minor	X
H54-9	05175600283	Displacement	Direct/minor	X
H54-9	05175600341	Displacement	Direct/minor	X
H54-9	05175600317	Displacement	Direct/minor	X
H88-44	05175400215	Displacement	Direct/minor	X
H889-28	05175700088	Displacement	Direct/minor	X
H889-3-18-5	05175700563*	Displacement	Direct/minor	X
H889-8	05175700395*	Displacement	Direct/minor	X
H889-8	05175700401	Displacement	Direct/minor	X
H894-5-1	05175700240/CA-NEV-81*	Displacement	Direct/minor	X
N25-1-1	05175300347	Displacement	Direct/minor	X
N25-1-1	05175300348	Displacement	Direct/minor	X
N25-2	05175300454	Displacement	Direct/minor	X
N25-6-1	05175300356	Displacement	Direct/minor	X
N25-7	05175300034	Displacement	Direct/minor	X
N261-8-15-2	05175700563*	Displacement	Direct/minor	X
N27-3	05175300514	Displacement	Direct/minor	X
N27-5	05175300446	Displacement	Direct/minor	X
N39-5	05175300217	Displacement/ looting	Direct/minor	X
N43-6-2	05175400368	Displacement	Direct/minor	X

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Alt 1
N860-20-1	05175600426	Displacement	Direct/minor	X
N860-20-1	05175700540*	Displacement	Direct/minor	X
N886-14-10	05175700577	Displacement	Direct/minor	X
N886-1-5	05175700009	Displacement	Direct/minor	X
N886-1-5	05175700409	Displacement	Direct/minor	X
N886-18-10	05175700447	Displacement	Direct/minor	X
N886-18-10	05175700529	Displacement	Direct/minor	X
N889-3-30-10	05175700304	Displacement	Direct/minor	X
N890-14-5	05175700511	Displacement	Direct/minor	X
N96-34-2-6	05175400325	Displacement	Direct/minor	X
Prosser Reservoir "Open Area"	05175700609	Displacement/shoreline erosion	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700608/CA-NEV-64	Displacement/shoreline erosion	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700753	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700754	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700755	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700756*	Displacement	Direct/minor	X
Prosser Reservoir "Open Area"	05175700757	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700758	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700759	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700760	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700761	Displacement	Direct/moderate	X
Prosser Reservoir "Open Area"	05175700762	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700535	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700540*	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700004/SIE-S44	Displacement/shoreline erosion/looting	Direct/minor	X
Stampede Reservoir "Open Area"	05175700763	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700764	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700765	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700766	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700767	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700768	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700769	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	05175700770	Displacement	Direct/moderate	X
Stampede Reservoir "Open Area"	DWR-S-1	Unknown-below waterline	Unknown	X
Stampede Reservoir "Open Area"	SIE-11	Unknown-below waterline	Unknown	X
Stampede Reservoir "Open Area"	SIE-12	Unknown-below waterline	Unknown	X
Stampede Reservoir "Open Area"	SIE-13	Unknown-below waterline	Unknown	X

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Alt 1
Stampede Reservoir "Open Area"	SIE-14	Unknown-below waterline	Unknown	X
Stampede Reservoir "Open Area"	SIE-15	Unknown-below waterline	Unknown	X
Stampede Reservoir "Open Area"	SIE-16	Unknown-below waterline	Unknown	X
Stampede Reservoir "Open Area"	SIE-17	Unknown-below waterline	Unknown	X
D_25_d	05175300004	Displacement	Direct/minor	X
D_11E03_b	05175300016*	Displacement/Camping	Direct/minor	X
D_11E03_c	05175300016*	Displacement/Camping	Direct/minor	X
D_11E03_d	05175300016*	Displacement/Camping	Direct/minor	X
D_721-2_a	05175300074	Displacement/Camping	Direct/minor	X
D_12E66_c	05175300156*	Camping	Direct/minor	X
D_12E66_d	05175300156*	Camping	Direct/minor	X
D_S-301_a	05175300176*	Camping	Direct/minor	X
D_S-301_a	05175300188*	Camping	Direct/minor	X
D_11E10_a	05175300386*	None	None	X
D_12E66_a	05175300404*	Camping	Direct/minor	X
D_12E66_a	05175300561*	Camping	Direct/minor	X
D_12E67_d	05175300404*	Camping	Direct/minor	X
D_12E67_d	05175300561*	Camping	Direct/minor	X
D_S295_a	05175300436*	Camping	Direct/minor	X
D_S295_b	05175300436*	Camping	Direct/minor	X
D_12E68_a	05175300455	Camping	Direct/minor	X
D_S300_a	05175300595*	Camping	Direct/minor	X
D_S300_b	05175300595*	Camping	Direct/minor	X
D_738-4_a	05175300883	Camping	Direct/minor	X
D_12E66_b	05175300892	Camping	Direct/minor	X
D_6149-31	05175400008	Camping/looting	Direct/minor	X
D_P88_d	05175400176	None	None	X
D_P88_b	05175400312	Camping	Direct/minor	X
D_14_b	05175500105*	Camping	Direct/minor	X
D_14_c	05175500105*	Camping	Direct/minor	X
D_14_h	05175500105*	Camping	Direct/minor	X
D_14_j	05175500105*	Camping	Direct/minor	X
D_14-4	05175500105*	Camping	Direct/minor	X
D_18-19_a	05175500344	Camping	Direct/minor	X
D_738-4_f	05175500363*	Camping	Direct/minor	X
D_738-4_g	05175500363*	Camping	Direct/minor	X
D_738-4_e	05175500364	Camping	Direct/minor	X
D_5_b	05175600018	Camping	Direct/minor	X
D_16TH19-1	05175600119	Camping	Direct/minor	X

Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010  
 Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources

Route ID	Site Number	Effect	Type/Severity	Alt 1
D_7-10	05175600164	Camping	Direct/minor	X
D_860-42	05175600202	Camping	Direct/minor	X
D_S450	05175600338	Camping	Direct/minor	X
D_5_a	05175600394	Camping	Direct/minor	X
D_860-25	05175600421	Camping	Direct/minor	X
D_SV-M1	05175600431	Camping	Direct/minor	X
D_560-20_b	05175600442	Camping	Direct/minor	X
D_03-4_a	05175700148*	Camping	Direct/minor	X
D_270-8_b	05175700358*	Camping	Direct/minor	X
D_270-8_c	05175700358*	Camping	Direct/minor	X
D_886-10_a	05175700379*	Camping	Direct/minor	X
D_886-18_a	05175700379*	Camping	Direct/minor	X
D_886-18_b	05175700379*	Camping	Direct/minor	X
D_S860_a	05175700620	Camping	Direct/minor	X
D_787-19	05175700756*	Camping	Direct/minor	X
D_450-101_a	05175700779	Camping	Direct/minor	X
D_860-5_i	05175700096	Camping	None	X
D_N886_18C	05175700778	Camping	Direct/minor	X
SV-P14	05175600571	Displacement	Direct/minor	X
TKN-J11	05175700096	Camping	None	X
TKN-J13	05175700286	Displacement/shoreline erosion	Direct/moderate	X
TKN-J13	05175700287	Displacement/shoreline erosion	Direct/moderate	X
TKN-J6	05175700374	Displacement/camping	Direct/minor	X
TKN-M2	05175700395*	Displacement	Direct/minor	X
TKN-M2	05175700397	Displacement	Direct/minor	X
TKN-M2	05175700734	Erosion/Displacement	Direct/moderate	X
TKN-Q1	05175700087	Displacement	Direct/minor	X
TKN-PP	05175700774	Displacement	Direct/minor	X
TKS-11	05175700735	None	None	X
TKS-11	05175700736	None	None	X
YRN-004	05175300676	Erosion	Direct/moderate	X
YRN-007	05175300426	None	None	X
YRN-008	05175300369	Displacement/rutting	Direct/moderate	X
YRN-1	05175300881	None	None	X
YRN-2	05175300499	Erosion	Direct/moderate	X
YRN-2	05175300545	Displacement	Direct/minor	X
YRN-2	05175300546	None	None	X
YRN-4	05175300386*	None	None	X
YRN-509	05175300198	Displacement	Direct/minor	X
YRN-509	05175300205	Displacement	Direct/minor	X

Route ID	Site Number	Effect	Type/Severity	Alt 1
YRN-7	05175300674	Erosion	Direct/moderate	X
YRN-M2	05175300671	Erosion	Direct/moderate	X
YRN-M2	05175300675	Displacement	Direct/minor	X
YRN-M2	05175300890	None	None	X
YRS-SF5	05175500272	None	None	X

**Note:** \* indicates a site listed multiple times, but only counted once.

## Alternative 2: Increased Motorized Recreation and Access Opportunities

Alternative 2 responds to public scoping of insufficient public motorized opportunities and motorized access for dispersed recreation in the proposed action. This alternative is based on the Proposed Action (Alternative 7), with additional routes and mixed use to provide more access and motorized recreation opportunities.

### Direct and Indirect Effects

Under Alternative 2, cross country travel would be prohibited and a total of 59.6 miles of unauthorized motorized routes (5 miles of road and 54.6 miles of trails) would be added to the NFTS. Additionally, four motorized “Open Areas” would be established for a total of 2,649 acres (Greenhorn, Boca Reservoir, Prosser Reservoir, and Stampede Reservoir). There are a total 85 sites within the APE for this alternative (8 sites are associated with multiple routes; they are noted in Table 3.05-12 with an \*).

**Additions to the NFTS:** Twenty-seven (27) sites outside of the proposed “Open Areas” at three reservoirs in this alternative were noted as having direct/minor effects. Seven (7) sites outside of the reservoirs have a rating of direct/moderate. The type and severity of effects for the remaining 9 sites is “none”. Sites determined ineligible for the NRHP were removed from the table (Table 3.05-12). Protection measures include installing barriers to keep users on system routes. At 6 sites, mitigations (i.e., barriers) from recreation, watershed, and botany would facilitate protecting the sites. Monitoring is recommended to determine if additional protection measures would be needed in the future (such as at Site 05175300004 where interpretive signage or developing an interpretive trail may be appropriate). At many of the sites where camping occurs for example, it was difficult to identify effects caused by motorized vehicles. Monitoring at these locations will be used to assess site condition over time.

**Establish Motorized “Open Areas”:** Alternative 2 establishes motorized use “Open Areas” below the high water line at Boca, Prosser, and Stampede Reservoirs. Limited surveys were conducted at Boca, Prosser, and Stampede at the high use areas and shoreline access points (off of existing NFTS routes). Approximately 300 acres were surveyed. There are no cultural resources within the proposed Greenhorn “Open Area.”

Boca dam was constructed in 1937 and there was no archaeological survey completed prior to construction. Both Prosser and Stampede Reservoirs were surveyed ca. 1957 by the Bureau of Reclamation (BOR). At Prosser, constructed in 1962, two prehistoric sites were excavated, NEV-11 and NEV-67. At Stampede, constructed in 1970, two prehistoric sites were excavated, SIE-28 and SIE-S44.

SIE-S44 was subsequently listed on the National Register of Historic Places. As the survey and cultural resource site recording at Prosser and Stampede was done by 1957 standards, historic sites were not recorded. Site locations were placed on 15 minute quadrangle maps making cross correlations with current observations extremely difficult. For example, the precise location of NEV-11 and NEV-67 on-the-ground has not been ascertained with confidence. This is due to multiple factors including 1957 mapping scales, vegetation changes (i.e., no vegetation now below the high water line increasing visibility) and other factors. Motorized use below the high water line has been allowed since the reservoirs were established. Subsequently, there is high motorized use at both Boca and Prosser, but the use is higher at Prosser due to its close proximity to the Town of Truckee and several subdivisions constructed adjacent to the reservoir.

Motorized access to shoreline below the high water line at these reservoirs has direct/minor effects to 7 sites and direct/moderate effects to 27 cultural sites (one is a NRHP listed site). The type and severity of effects for the remaining 8 sites is unknown (they were under water at Stampede Reservoir). The more severe effects to these sites are not always associated with motorized vehicles. The non-motorized impacts are most often associated with shoreline erosion (wave action, deflation). There is also documented artifact collecting (looting) that has occurred at the NRHP listed site that was a legal action a few years ago from nearby private property residents. The shoreline erosion is having moderate effects on these sites. Other than Alternatives 2 and 6, the other action alternatives do not establish these reservoirs as motorized “Open Areas,” but the effects resulting from shoreline erosion will continue. A mitigation measure includes installing barriers to keep users on system routes or to keep users off of the cultural resource sites; this may be difficult to implement at Boca, Prosser, and Stampede Reservoirs due to the flat open terrain. Monitoring will be used to assess the effectiveness of installing barriers.

**Table 3.05-12. Summary of Effects to Cultural Resources at Risk: Alternative 2**

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 2
Boca Reservoir “Open Area”	05175700303	Displacement	Direct/minor	Install barriers to keep users on system route	X
Boca Reservoir “Open Area”	05175700305	Displacement	Direct/minor	Install barriers to keep users on system route	X
Boca Reservoir “Open Area”	05175700307	Displacement	Direct/minor	Install barriers to keep users on system route	X
Boca Reservoir “Open Area”	05175700240/CA-NEV-81*	Displacement	Direct/minor	Install barriers to keep users on system routes	X
Boca Reservoir “Open Area”	CA-NEV-26	Displacement	Direct/moderate	Site is below high water in closed BOR area. Demarcate closed area.	X
Boca Reservoir “Open Area”	05175700747	Displacement	Direct/moderate	Install barriers	X
Boca Reservoir “Open Area”	05175700749	Displacement	Direct/moderate	Install barriers	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 2
Boca Reservoir "Open Area"	05175700750	Displacement	Direct/moderate	Install barriers	X
Boca Reservoir "Open Area"	05175700775	Displacement	Direct/moderate	Install barriers	X
Boca Reservoir "Open Area"	05175700776	Displacement	Direct/moderate	Install barriers	X
Boca Reservoir "Open Area"	05175700777	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700609	Displacement/ shoreline erosion	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700608/CA-NEV-64	Displacement/ shoreline erosion	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700753	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700754	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700755	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700756	Displacement	Direct/minor	Install barriers	X
Prosser Reservoir "Open Area"	05175700757	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700758	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700759	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700760	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700761	Displacement	Direct/moderate	Install barriers	X
Prosser Reservoir "Open Area"	05175700762	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	05175700535	Displacement	Direct/moderate	Install barriers to keep users on route	X
Stampede Reservoir "Open Area"	05175700540	Displacement	Direct/moderate	Install barriers to keep users on route	X
Stampede Reservoir "Open Area"	05175700004/SIE-S44	Displacement/ shoreline erosion/looting	Direct/minor	Install barriers	X
Stampede Reservoir "Open Area"	05175700763	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	05175700764	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	05175700765	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	05175700766	Displacement	Direct/moderate	Install barriers	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 2
Stampede Reservoir "Open Area"	05175700767	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	05175700768	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	05175700769	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	05175700770	Displacement	Direct/moderate	Install barriers	X
Stampede Reservoir "Open Area"	DWR-S-1	Unknown-below waterline	Unknown	N/A	X
Stampede Reservoir "Open Area"	SIE-11	Unknown-below waterline	Unknown	N/A	X
Stampede Reservoir "Open Area"	SIE-12	Unknown-below waterline	Unknown	N/A	X
Stampede Reservoir "Open Area"	SIE-13	Unknown-below waterline	Unknown	N/A	X
Stampede Reservoir "Open Area"	SIE-14	Unknown-below waterline	Unknown	N/A	X
Stampede Reservoir "Open Area"	SIE-15	Unknown-below waterline	Unknown	N/A	X
Stampede Reservoir "Open Area"	SIE-16	Unknown-below waterline	Unknown	N/A	X
Stampede Reservoir "Open Area"	SIE-17	Unknown-below waterline	Unknown	N/A	X
D_25_d	05175300004	Displacement	Direct/minor	Monitor	X
D_11E03_b	05175300016*	Displacement/ Camping	Direct/minor	Monitor	X
D_11E03_c	05175300016*	Displacement/ Camping	Direct/minor	Monitor	X
D_11E03_d	05175300016*	Displacement/ Camping	Direct/minor	Monitor	X
D_721-2_a	05175300074	Displacement/ Camping	Direct/minor	Monitor	X
D_12E66_c	05175300156*	Camping	Direct/minor	Monitor	X
D_12E66_d	05175300156*	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300176	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300188	Camping	Direct/minor	Monitor	X
D_11E10_a	05175300386	None	None	Monitor	X
D_12E66_a	05175300404*	Camping	Direct/minor	Monitor	X
D_12E66_a	05175300561*	Camping	Direct/minor	Monitor	X
D_12E67_d	05175300404*	Camping	Direct/minor	Monitor	X
D_12E67_d	05175300561*	Camping	Direct/minor	Monitor	X
D_S295_a	05175300436*	Camping	Direct/minor	Monitor	X
D_S295_b	05175300436*	Camping	Direct/minor	Monitor	X
D_12E68_a	05175300455	Camping	Direct/minor	Monitor	X
D_S300_a	05175300595*	Camping	Direct/minor	Monitor	X
D_S300_b	05175300595*	Camping	Direct/minor	Monitor	X

**Motorized Travel Management Supplemental Draft Environmental Impact Statement – February 2010**  
**Chapter 3: Affected Environment & Environmental Consequences – 3.05. Cultural Resources**

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 2
D_738-4_a	05175300883	Camping	Direct/minor	Monitor	X
D_12E66_b	05175300892	Camping	Direct/minor	Monitor	X
D_P88_b	05175400312	Camping	Direct/minor	Monitor	X
D_14_b	05175500105*	Camping	Direct/minor	Monitor	X
D_14_j	05175500105*	Camping	Direct/minor	Monitor	X
D_18-19_a	05175500344	Camping	Direct/minor	Monitor	X
D_03-4_a	05175700148	Camping	Direct/minor	Monitor	X
D_886-10_a	05175700379*	Camping	Direct/minor	Monitor	X
D_886-18_a	05175700379*	Camping	Direct/minor	Monitor	X
D_886-18_b	05175700379*	Camping	Direct/minor	Monitor	X
D_450-101_a	05175700779	Camping	Direct/minor	Monitor	X
SV-P14	05175600571	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-J11	05175700096	Camping	None	None	X
TKN-J13	05175700286	Displacement/ shoreline erosion	Direct/moderate	Install barriers	X
TKN-J13	05175700287	Displacement/ shoreline erosion	Direct/moderate	Install barriers	X
TKN-J6	05175700374	Displacement/ camping	Direct/minor	Recreation mitigation protects site.	X
TKN-M2	05175700395	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-M2	05175700397	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-M2	05175700734	Erosion/ Displacement	Direct/moderate	Install barriers to keep users on route- Watershed and botany mitigations will help protect site.	X
TKN-Q1	05175700087	Displacement	Direct/minor	Monitor	X
TKS-11	05175700735	None	None	None	X
TKS-11	05175700736	None	None	Monitor	X
YRN-004	05175300676	Displacement	Direct/minor	Monitor	X
YRN-007	05175300426	None	None	Monitor	X
YRN-008	05175300369	Displacement/ rutting	Direct/moderate	Install barriers to keep users on route and to designated camping areas.	X
YRN-1	05175300881	None	None	Monitor	X
YRN-2	05175300499	Erosion	Direct/moderate	Monitor-	X
YRN-2	05175300545	Displacement	Direct/minor	Install barriers to keep users on route	X
YRN-2	05175300546	None	None	Monitor	X
YRN-4	05175300386	None	None	Monitor	X
YRN-7	05175300674	Erosion	Direct/moderate	Monitor-	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 2
YRN-M2	05175300671	Erosion	Direct/moderate	Monitor	X
YRN-M2	05175300675	Displacement	Direct/minor	Monitor	X
YRN-M2	05175300890	None	None	Monitor	X
YRS-SF5	05175500272	None	None	Monitor	X

**Note:** \* indicates a site associated with multiple routes once but only counted once.

### **Alternative 3: Cross Country Travel Prohibition Only – No Changes to the Existing National Forest Transportation System**

Alternative 3 would prohibit cross country travel and proposes no new additions to the NFTS. This alternative also provides a baseline for comparing the impacts of other alternatives that propose changes to the NFTS. None of the unauthorized roads, trails, or areas would be added to the NFTS. Alternative 3 responds to the issues of transportation system management costs, potential adverse effects of motorized roads and trails on the characteristics of Inventoried Roadless Areas, quiet recreation and potential adverse impacts associated with motorized roads and trails on water, soils, sensitive plants, wildlife, and cultural resources.

#### **Direct and Indirect Effects**

Under Alternative 3, cross country travel is prohibited, no unauthorized motorized routes would be added to the system, and no changes made to the existing NFTS. No cultural resource sites would be directly or indirectly affected. There would be beneficial effects to cultural resources under this alternative. There are a minimum of 882 cultural resources sites identified associated with unauthorized routes. These sites are at risk from ongoing use. Based on the effects identified during monitoring for this undertaking, these effects would not continue under this alternative.

To quantify potential cumulative effects, one can calculate the average number of previously identified cultural resource sites per acre that would be at risk. Within the TNF, 3,228 cultural resources sites have been identified. Site density averages .004 cultural resource sites for every acre. Excluding the 133 cultural resource sites identified (Table 3.05-5) within the APE, upwards of 3,095 additional cultural resource sites would not be susceptible to an adverse effect because cross country travel would be prohibited, and no unauthorized motorized routes would be added to the existing NFTS and no “Open Areas” would be established.

### **Alternative 4: Increased Resource Protection**

Alternative 4 responds to issues of cost, maintenance, wilderness, Inventoried Roadless Areas, quiet use, and natural resource impacts by prohibiting cross country travel and adding fewer routes to the NFTS than the Proposed Action. Alternative 4 is based on the Proposed Action contained in the Notice of Intent as modified by an alternative submitted by an environmental group coalition during scoping.

## Direct and Indirect Effects

Under Alternative 4, cross country travel is prohibited and a total of 26.3 miles of unauthorized motorized routes (3.7 miles of road and 22.6 miles of trail) would be added to the Forest transportation system.

There are 16 sites within the APE for this alternative (4 sites are associated with multiple routes; they are noted in Table 3.05-13 with an \*).

**Additions to the NFTS:** Two (2) routes have direct effect/moderate severity ratings to two sites located on a proposed route along the shoreline of Stampede Reservoir. They are also subjected to shoreline erosion. Barriers would be installed to keep motorized users on the designated route. Thirteen (13) sites have direct/minor effects. Monitoring at these sites is prescribed as many of the effects were negligible and difficult to determine (i.e., camping at an extremely large basalt quarry area). The type and severity of effects for the remaining 1 site is “none”. Sites determined ineligible were removed from Table 3.05-13.

**Reopening Maintenance Level 1 roads:** There are no cultural resources associated with the proposed opening of the Maintenance Level 1 road.

**Table 3.05-13. Summary of Effects to Cultural Resources at Risk: Alternative 4**

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 4
D_25_d	05175300004	Displacement	Direct/minor	Monitor-	X
D_721-2_a	05175300074	Displacement/Camping	Direct/minor	Monitor	X
D_12E66_c	05175300156*	Camping	Direct/minor	Monitor	X
D_12E66_d	05175300156*	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300176	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300188	Camping	Direct/minor	Monitor	X
D_S295_a	05175300436*	Camping	Direct/minor	Monitor	X
D_S295_b	05175300436*	Camping	Direct/minor	Monitor	X
D_12E68_a	05175300455	Camping	Direct/minor	Monitor	X
D_S300_a	05175300595*	Camping	Direct/minor	Monitor	X
D_S300_b	05175300595*	Camping	Direct/minor	Monitor	X
D_P88_b	05175400312	Camping	Direct/minor	Monitor	X
D_14_b	05175500105*	Camping	Direct/minor	Monitor	X
D_14_j	05175500105*	Camping	Direct/minor	Monitor	X
D_18-19_a	05175500344	Camping	Direct/minor	Monitor	X
D_03-4_a	05175700148	Camping	Direct/minor	Monitor	X
SV-P14	05175600571	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-J13	05175700286	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
TKN-J13	05175700287	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
YRS-SF5	05175500272	None	None	Monitor	X

**Note:** \* indicates a site listed multiple times but only counted once.

## Alternative 5: Increased Motorized Recreation Access plus Reopening Maintenance Level 1 and Temporary Roads

Alternative 5 is based on the Proposed Action contained in the Notice of Intent as modified by an alternative submitted by the Blue Ribbon Coalition during the scoping process. Alternative 5 was developed to address the issue of providing sufficient wheeled motorized public access to TNF lands as well as public concerns about reduced motorized recreation opportunities.

### Direct and Indirect Effects

Under Alternative 5, cross country travel is prohibited and a total of 80.4 miles of unauthorized motorized routes (5 miles of roads and 75.4 miles of trails) would be added to the Forest transportation system. There are a total of 77 sites within the APE for this alternative (15 sites are associated with multiple routes; they are noted in Table 3.05-14 with an \*).

**Additions to the NFTS:** Sixty (60) sites have a direct/minor rating, 7 have a direct/moderate rating, and 10 have a “none” rating (these totals include the 19 cultural resources associated with reopening Maintenance Level 1 roads; these are noted in the table with ML 1 under the Route ID column). Of the 7 sites with moderate effect, the use of low impact barriers would reduce or eliminate the effects or the implementation of watershed, botany or recreation mitigations (i.e., barriers) would further protect the site. At Site 05175300217, there is an ongoing looting situation at this site. Law enforcement is actively patrolling this location. Monitoring is prescribed at many of the sites as effects were negligible and difficult to determine. Sites determined ineligible were not included in the table (Table 3.05-14).

**Reopening Maintenance Level 1 roads** There are 19 cultural resources associated with the proposal to reopen Maintenance Level 1 roads (routes are noted in Table 3.05-14 with the notation ML 1). With the exception of 2 sites, effects were negligible and difficult to determine at these sites since current use is sporadic. Monitoring will provide for adaptive management if effects change with increased use. This is a management option in the Motorized Recreation PA. There are two sites associated with the proposal to reopen a Maintenance Level 1 road (Route YRN-509) and the prescribed protection measure is to install barriers to prohibit unauthorized motorized use on the spur roads that access the sites.

**Table 3.05-14. Summary of Effects to Cultural Resources at Risk: Alternative 5**

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 5
25-9_p (ML 1)	05175300469	Displacement	Direct/minor	Monitor	X
491-3_1	05175300337	None	None	Monitor	X
491-3_2	05175300216	Displacement	Direct/minor	Monitor	X
H11E10	05175300696	Displacement	Direct/minor	Monitor	X
H301-6 (ML 1)	05175300176*	Displacement	Direct/minor	Monitor	X
H301-6 (ML 1)	05175300188*	Displacement	Direct/minor	Monitor	X
H3-4-4 (ML 1)	05175700148*	Displacement	Direct/minor	Monitor	X
H54-9 (ML 1)	05175600283	Displacement	Direct/minor	Monitor	X
H54-9 (ML 1)	05175600341	Displacement	Direct/minor	Monitor	X
H54-9 (ML 1)	05175600317	Displacement	Direct/minor	Monitor	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 5
H88-44 (ML 1)	05175400215	Displacement	Direct/minor	Monitor	X
H889-28	05175700088	Displacement	Direct/minor	Monitor	X
H889-3-18-5 (ML 1)	05175700563*	Displacement	Direct/minor	Monitor	X
H889-8	05175700395*	Displacement	Direct/minor	Monitor	X
H889-8	05175700401	Displacement	Direct/minor	Monitor	X
H894-5-1	05175700240/CA-NEV-81	Displacement	Direct/minor	Monitor	X
N25-1-1 (ML 1)	05175300347	Displacement	Direct/minor	Monitor	X
N25-1-1 (ML 1)	05175300348	Displacement	Direct/minor	Monitor	X
N25-2 (ML 1)	05175300454	Displacement	Direct/minor	Monitor	X
N25-6-1 (ML 1)	05175300356	Displacement	Direct/minor	Monitor	X
N25-7 (ML 1)	05175300034	Displacement	Direct/minor	Monitor	X
N261-8-15-2	05175700563*	Displacement	Direct/minor	Monitor	X
N27-3 (ML 1)	05175300514	Displacement	Direct/minor	Monitor	X
N27-5 (ML 1)	05175300446	Displacement	Direct/minor	Monitor	X
N39-5 (ML 1)	05175300217	Displacement/looting	Direct/minor	Monitor	X
N43-6-2	05175400368	Displacement	Direct/minor	Monitor	X
N860-20-1	05175600426	Displacement	Direct/minor	Monitor	X
N860-20-1	05175700540	Displacement	Direct/minor	Monitor	X
N886-14-10	05175700577	Displacement	Direct/minor	Monitor	X
N886-1-5	05175700009	Displacement	Direct/minor	Monitor	X
N886-1-5	05175700409	Displacement	Direct/minor	Monitor	X
N886-18-10	05175700447	Displacement	Direct/minor	Monitor	X
N886-18-10	05175700529	Displacement	Direct/minor	Monitor	X
N889-3-30-10	05175700304	Displacement	Direct/minor	Monitor	X
N890-14-5	05175700511	Displacement	Direct/minor	Monitor	X
N96-34-2-6	05175400325	Displacement	Direct/minor	Monitor	X
D_25_d	05175300004	Displacement	Direct/minor	Monitor-	X
D_11E03_b	05175300016*	Displacement/Camping	Direct/minor	Monitor	X
D_11E03_c	05175300016*	Displacement/Camping	Direct/minor	Monitor	X
D_11E03_d	05175300016*	Displacement/Camping	Direct/minor	Monitor	X
D_721-2_a	05175300074	Displacement/Camping	Direct/minor	Monitor	X
D_12E66_c	05175300156*	Camping	Direct/minor	Monitor	X
D_12E66_d	05175300156*	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300176*	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300188*	Camping	Direct/minor	Monitor	X
D_11E10_a	05175300386*	None	None	Monitor	X
D_12E66_a	05175300404*	Camping	Direct/minor	Monitor	X
D_12E66_a	05175300561*	Camping	Direct/minor	Monitor	X
D_12E67_d	05175300404*	Camping	Direct/minor	Monitor	X
D_12E67_d	05175300561*	Camping	Direct/minor	Monitor	X
D_S295_a	05175300436*	Camping	Direct/minor	Monitor	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 5
D_S295_b	05175300436*	Camping	Direct/minor	Monitor	X
D_12E68_a	05175300455	Camping	Direct/minor	Monitor	X
D_S300_a	05175300595*	Camping	Direct/minor	Monitor	X
D_S300_b	05175300595*	Camping	Direct/minor	Monitor	X
D_738-4_a	05175300883	Camping	Direct/minor	Monitor	X
D_12E66_b	05175300892	Camping	Direct/minor	Monitor	X
D_P88_b	05175400312	Camping	Direct/minor	Monitor	X
D_14_b	05175500105*	Camping	Direct/minor	Monitor	X
D_14_j	05175500105*	Camping	Direct/minor	Monitor	X
D_18-19_a	05175500344	Camping	Direct/minor	Monitor	X
D_738-4_f	05175500363*	Camping	Direct/minor	Monitor	X
D_738-4_g	05175500363*	Camping	Direct/minor	Monitor	X
D_738-4_e	05175500364	Camping	Direct/minor	Monitor	X
D_03-4_a	05175700148*	Camping	Direct/minor	Monitor	X
D_886-10_a	05175700379*	Camping	Direct/minor	Monitor	X
D_886-18_a	05175700379*	Camping	Direct/minor	Monitor	X
D_886-18_b	05175700379*	Camping	Direct/minor	Monitor	X
D_450-101_a	05175700779	Camping	Direct/minor	Monitor	X
SV-P14	05175600571	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-J11	05175700096	Camping	None	None	X
TKN-J13	05175700286	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
TKN-J13	05175700287	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
TKN-J6	05175700374	Displacement/camping	Direct/minor	Recreation mitigation protects site.	X
TKN-M2	05175700395*	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-M2	05175700397	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-M2	05175700734	Erosion/Displacement	Direct/moderate	Install barriers to keep users on route. Watershed and botany mitigations will help protect site.	X
TKN-Q1	05175700087	Displacement	Direct/minor	Monitor	X
TKS-11	05175700735	None	None	None	X
TKS-11	05175700736	None	None	Monitor	X
YRN-004	05175300676	Displacement	Direct/minor	Monitor	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 5
YRN-007	05175300426	None	None	Monitor	X
YRN-008	05175300369	Displacement/ rutting	Direct/moderate	Install barriers to keep users on route and to designated camping areas.	X
YRN-1	05175300881	None	None	Monitor	X
YRN-2	05175300499	Erosion	Direct/moderate	Monitor-watershed mitigations will protect site from erosion.	X
YRN-2	05175300545	Displacement	Direct/minor	Install barriers to keep users on route	X
YRN-2	05175300546	None	None	Monitor	X
YRN-4	05175300386*	None	None	Monitor	X
YRN-509 (ML 1)	05175300198	Displacement	Direct/minor	Install barriers to prohibit use on spur road off main route	X
YRN-509 (ML 1)	05175300205	Displacement	Direct/minor	Install barriers to prohibit use on spur road off main route	X
YRN-7	05175300674	Erosion	Direct/moderate	Monitor-watershed mitigations will protect site from erosion.	X
YRN-M2	05175300671	Erosion	Direct/moderate	Monitor-watershed mitigations will protect site from erosion.	X
YRN-M2	05175300675	Displacement	Direct/minor	Monitor	X
YRN-M2	05175300890	None	None	Monitor	X
YRS-SF5	05175500272	None	None	Monitor	X

Note: \* indicates a site listed multiple times but only counted once.

### Alternative 6: Preferred Alternative Motorized Access and Resource Protection

Alternative 6 is the Preferred Alternative. It responds to issues of providing motorized public access and recreation opportunities while minimizing impacts to natural resources. It is designed to provide a diversity of road and trail opportunities for experiencing a variety of environments and modes of travel consistent with the National Forest's recreation role and land capability. Alternative 6 would provide motorized access to dispersed recreation opportunities and a diversity of motorized recreation opportunities.

## Direct and Indirect Effects

Under Alternative 6, cross country travel would be prohibited and a total of 61.4 miles of unauthorized motorized routes (13.1 miles of road and 48.3 miles of trail) would be added to the Forest transportation system. Additionally, three motorized “Open Areas” would be established for a total of 244 acres (Boca Reservoir, Prosser Reservoir, and Stampede Reservoir). There are 59 sites within the APE for this alternative (12 sites are associated with multiple routes; they are noted in Table 3.05-15 with an \*).

**Additions to the NFTS:** Forty-five (45) sites have a rating of direct/minor, 5 sites have a rating of direct/moderate, and 9 have a rating of “none” (these include the three sites associated with the proposal to reopen Maintenance Level 1 roads). Of the 5 sites with moderate effect, the use of low impact barriers would reduce or eliminate effects or the implementation of watershed, botany or recreation mitigations (i.e., barriers) would further protect the site. At Site 05175400008, there is an ongoing looting situation; law enforcement is actively patrolling this location. The district is considering installing interpretive signage. Monitoring is prescribed at many of the sites as effects were negligible and difficult to determine. Sites determined ineligible were not included in the table (Table 3.05-15).

**Establishment of Motorized “Open Areas”:** There are no cultural resources located within the proposed 244 acres of “Open Areas.” These specific areas are located at Boca, Prosser, and Stampede Reservoirs at the end of existing NFTS roads. They would provide shoreline access for motorized vehicles as water levels shrink throughout the year.

**Reopening Maintenance Level 1 roads:** There are three sites associated with the proposal to reopen Maintenance Level 1 roads (routes are noted in Table 3.05-15 with the notation ML 1). For route YRN-509, the protection measure is to install barriers to prohibit unauthorized motorized use on the spur roads that access the sites. For route 25-9\_p, the protection measure is to monitor. Monitoring will provide for adaptive management if effects change with increased use. This is a management option in the Motorized Recreation PA.

**Table 3.05.15. Summary of Effects to Cultural Resources at Risk: Alternative 6**

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 6
25-9_p (ML 1)	05175300469	Displacement	Direct/minor	Monitor	X
491-3_1	05175300337	None	None	Monitor	X
D_25_d	05175300004	Displacement	Direct/minor	Monitor	X
D_11E03_b	05175300016*	Displacement/Camping	Direct/minor	Monitor	X
D_11E03_c	05175300016*	Displacement/Camping	Direct/minor	Monitor	X
D_11E03_d	05175300016*	Displacement/Camping	Direct/minor	Monitor	X
D_721-2_a	05175300074	Displacement/Camping	Direct/minor	Monitor	X
D_12E66_c	05175300156*	Camping	Direct/minor	Monitor	X
D_12E66_d	05175300156*	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300176	Camping	Direct/minor	Monitor	X
D_S-301_a	05175300188	Camping	Direct/minor	Monitor	X
D_11E10_a	05175300386*	None	None	Monitor	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 6
D_12E66_a	05175300404*	Camping	Direct/minor	Monitor	X
D_12E66_a	05175300561*	Camping	Direct/minor	Monitor	X
D_12E67_d	05175300404*	Camping	Direct/minor	Monitor	X
D_12E67_d	05175300561*	Camping	Direct/minor	Monitor	X
D_S295_a	05175300436*	Camping	Direct/minor	Monitor	X
D_S295_b	05175300436*	Camping	Direct/minor	Monitor	X
D_12E68_a	05175300455	Camping	Direct/minor	Monitor	X
D_S300_a	05175300595*	Camping	Direct/minor	Monitor	X
D_S300_b	05175300595*	Camping	Direct/minor	Monitor	X
D_738-4_a	05175300883	Camping	Direct/minor	Monitor	X
D_12E66_b	05175300892	Camping	Direct/minor	Monitor	X
D_6149-31	05175400008	Camping/looting	Direct/minor	Monitor	X
D_P88_d	05175400176	None	None	Monitor	X
D_P88_b	05175400312	Camping	Direct/minor	Monitor	X
D_14_b	05175500105*	Camping	Direct/minor	Monitor	X
D_14_c	05175500105*	Camping	Direct/minor	Monitor	X
D_14_h	05175500105*	Camping	Direct/minor	Monitor	X
D_14_j	05175500105*	Camping	Direct/minor	Monitor	X
D_14-4	05175500105*	Camping	Direct/minor	Monitor	X
D_18-19_a	05175500344	Camping	Direct/minor	Monitor	X
D_738-4_f	05175500363*	Camping	Direct/minor	Monitor	X
D_738-4_g	05175500363*	Camping	Direct/minor	Monitor	X
D_738-4_e	05175500364	Camping	Direct/minor	Monitor	X
D_5_b	05175600018	Camping	Direct/minor	Monitor	X
D_16TH19-1	05175600119	Camping	Direct/minor	Monitor	X
D_7-10	05175600164	Camping	Direct/minor	Monitor	X
D_860-42	05175600202	Camping	Direct/minor	Monitor	X
D_S450	05175600338	Camping	Direct/minor	Monitor	X
D_5_a	05175600394	Camping	Direct/minor	Monitor	X
D_860-25	05175600421	Camping	Direct/minor	Monitor	X
D_SV-M1	05175600431	Camping	Direct/minor	Monitor	X
D_560-20_b	05175600442	Camping	Direct/minor	Monitor	X
D_03-4_a	05175700148	Camping	Direct/minor	Monitor	X
D_270-8_b	05175700358*	Camping	Direct/minor	Monitor	X
D_270-8_c	05175700358*	Camping	Direct/minor	Monitor	X
D_886-10_a	05175700379*	Camping	Direct/minor	Monitor	X
D_886-18_a	05175700379*	Camping	Direct/minor	Monitor	X
D_886-18_b	05175700379*	Camping	Direct/minor	Monitor	X
D_S860_a	05175700620	Camping	Direct/minor	Monitor	X
D_787-19	05175700756	Camping	Direct/minor	Monitor	X
D_450-101_a	05175700779	Camping	Direct/minor	Monitor	X
D_860-5_i	05175700096*	Camping	None	None	X

Route ID	Site Number	Effect	Type/Severity	Protection Measure	Alt 6
D_N886_18C	05175700778	Camping	Direct/minor	Monitor	X
SV-P14	05175600571	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-J11	05175700096*	Camping	None	None	X
TKN-J13	05175700286	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
TKN-J13	05175700287	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
TKN-J6	05175700374	Displacement/camping	Direct/minor	Recreation mitigation protects site.	X
TKN-M2	05175700395	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-M2	05175700397	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-M2	05175700734	Erosion/ Displacement	Direct/moderate	Install barriers to keep users on route-Watershed and botany mitigations will help protect site.	X
TKN-Q1	05175700087	Displacement	Direct/minor	Monitor	X
TKN-PP	05175700774	Displacement	Direct/minor	Monitor	X
TKS-11	05175700735	None	None	None	X
TKS-11	05175700736	None	None	Monitor	X
YRN-008	05175300369	Displacement/ rutting	Direct/moderate	Install barriers to keep users on route and to designated camping areas.	X
YRN-1	05175300881	None	None	Monitor	X
YRN-2	05175300499	Erosion	Direct/moderate	Monitor-watershed mitigations will protect site from erosion.	X
YRN-2	05175300545	Displacement	Direct/minor	Install barriers to keep users on route	X
YRN-2	05175300546	None	None	Monitor	X
YRN-4	05175300386*	None	None	Monitor	X
YRN-509 (ML 1)	05175300198	Displacement	Direct/minor	Install barriers to prohibit use on the spur road off main route	X
YRN-509 (ML 1)	05175300205	Displacement	Direct/minor	Install barriers to prohibit use on the spur road off main route	X
YRS-SF5	05175500272	None	None	Monitor	X

Note: \* indicates a site listed multiple times but only counted once.

### Alternative 7: Proposed Action as Identified in Notice of Intent (NOI)

Alternative 7 is the Proposed Action as published in the Notice of Intent in the Federal Register.

#### Direct and Indirect Effects

Under Alternative 7, cross country travel is prohibited and a total of 36.7 miles of unauthorized motorized routes (trails) would be added to the Forest transportation system. There are 13 sites within the APE for

this alternative. There are no sites in this alternative associated with multiple routes.

**Additions to the NFTS:** Three (3) sites have a rating of direct/minor, 4 sites have a rating of direct/moderate, and 6 have a rating of “none” (Table 3.05-16). Of the 4 sites with moderate effect, the use of low impact barriers would reduce or eliminate the effects or the implementation of watershed, botany or recreation mitigations (barriers) would protect the site. Monitoring is prescribed at many of the sites as effects were negligible and difficult to determine. Sites determined ineligible were not included in the table.

**Reopening Maintenance Level 1 roads:** There are no cultural resources sites associated with the 2 ML 1 roads totaling 1.1 miles that would be opened under Alternative 7.

**Table 3.05.16. Summary of Effects to Cultural Resources at Risk: Alternative 7**

Route ID	Site Number	Site Type	NRHP Status	Effect	Type/Severity	Protection Measure	Alt 7
SV-P14	05175600571	Prehistoric	Unevaluated	Displacement	Direct/minor	Install barriers to keep users on route	X
TKN-J13	05175700286	Multi	Unevaluated	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
TKN-J13	05175700287	Prehistoric	Unevaluated	Displacement/shoreline erosion	Direct/moderate	Install barriers	X
TKN-J6	05175700374	Prehistoric	Unevaluated	Displacement/camping	Direct/minor	Recreation mitigation barriers	X
TKS-11	05175700735	Prehistoric	Unevaluated	None	None	None	X
TKS-11	05175700736	Prehistoric	Unevaluated	None	None	Monitor	X
YRN-1	05175300881	Historic	Unevaluated	None	None	Monitor	X
YRN-2	05175300499	Historic	Unevaluated	Erosion	Direct/moderate	Monitor	X
YRN-2	05175300545	Historic	Unevaluated	Displacement	Direct/minor	Install barriers to keep users on route	X
YRN-2	05175300546	Historic	Unevaluated	None	None	Monitor	X
YRN-4	05175300386	Historic	Unevaluated	None	None	Monitor	X
YRN-7	05175300674	Historic	Unevaluated	Erosion	Direct/moderate	Monitor	X
YRS-SF5	05175500272	Historic	Unevaluated	None	None	Monitor	X

### Cumulative Effects

The geographic scope of the cumulative effects analysis is limited to the Forest’s administrative boundary (836,041 acres) because impacts to cultural resources accumulate at their specific locations, irrespective of actions in surrounding areas.

**Alternative 1** would allow cross country travel to continue. Alternative 1, when combined with the past, present and foreseeable future actions (see Appendix H), is expected to cumulatively lead to increased impacts to cultural resources.

The data reported in Table 3.05-11 demonstrate that the No Action Alternative would have unmitigated, long-term adverse effects on cultural resources. A minimum of 133 cultural resource sites would be adversely affected if no mitigation action was taken. Another 749 sites identified with other unauthorized routes not added to the NFTS under an alternative could potentially be affected in the absence of any long-term management actions or oversight; therefore, at least 882 cultural resource sites could be subject to adverse effects in the APE.

To quantify potential cumulative effects, one can calculate the average number of previously identified cultural resource sites per acre that would be susceptible to new routes created in the future without a prohibition. Within the TNF, 3,228 cultural resources sites have been identified. Site density averages .004 cultural resource sites for every acre. Excluding the 133 cultural resource sites that have already been identified (Table 3.05-5) within the APE, upwards of 3,095 additional cultural resource sites could be susceptible to an adverse effect if no management actions were implemented.

**Alternative 2** has 85 cultural resource sites identified as resources at risk within the APE due to the cumulative effects of adding routes to the NFTS, and establishing “Open Areas.” The 68 sites that have minor or moderate effects would be monitored or mitigated to reduce the effects.

**Alternative 3** has no cultural resource sites identified as resources at risk within the APE due to no changes to the current NFTS.

**Alternative 4** has 16 cultural resource sites identified as resources at risk within the APE due to the cumulative effects of adding routes to the NFTS. The 15 sites that have minor or moderate effects would be monitored or mitigated to reduce the effects.

**Alternative 5** has 77 cultural resource sites identified as resources at risk within the APE due to the cumulative effects of adding routes to the NFTS and reopening ML 1 roads. The 67 sites that have minor or moderate effects would be monitored or mitigated to reduce the effects.

**Alternative 6** has 59 cultural resource sites identified as resources at risk within the APE due to the cumulative effects of adding routes to the NFTS, establishing “Open Areas,” and reopening ML 1 roads. The 50 sites that have minor or moderate effects would be monitored or mitigated to reduce the effects.

**Alternative 7** has 13 cultural resource sites identified as resources at risk within the APE due to the cumulative effects of adding routes to the NFTS and reopening ML 1 roads. The 7 sites that have minor or moderate effects would be monitored or mitigated to reduce the effects.

Cross country travel would be halted under the action alternatives. The prohibition of cross country travel would simplify enforcement by prohibiting any motorized use off NFTS roads, trails, and “Open Areas”. As a result, cumulative effects would be diminished under all action alternatives. Alternatives 2-7, when combined with prohibiting cross country, and the past, present and foreseeable future actions (see Appendix H), are expected to cumulatively lead to **reduced** impacts to cultural resources. At least 882 cultural resource sites would be protected from adverse effects.

Unregulated cross country travel, as occurring under the No Action Alternative, has the greatest potential for creating adverse effects to cultural resources making the route designation process an important part of preventing long-term effects to these resources.

## Summary of Effects Analysis across All Alternatives

This section summarizes the effects analysis by discussing how well each alternative addresses the cultural resources for each measurement indicator. The following ranks were used in Table 3.05-17 that follows: A score of 7 indicates the alternative has the least impact for cultural resources; a score of 1 indicates the alternative has the most impact for cultural resources.

**Table 3.05-17. Comparison of Effects to Cultural Resources**

Indicators – Cultural Resources	Rankings of Alternatives for Each Indicator*						
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Alt 7
Degree to which the integrity of cultural resource values are diminished	1	3	7	5	2	4	6
Number of cultural resources within unauthorized routes at risk from ongoing use	1	2	7	5	4	3	6
Average number of cultural resources per acre protected from creation of new routes	1	2	7	5	4	3	6
Average for Cultural Resources	1	2	7	5	4	3	6

\* A score of 7 indicates the alternative has the least impact for this resource; a score of 1 indicates the alternative has the most impact.

## Compliance with the Forest Plan and Other Direction

Alternatives 2, 3, 4, 5, 6, and 7 comply with all Forest Plan S&Gs as well as with all federal laws identified in the Analysis Framework Section. Alternative 1 does not comply with Forest Plan S&Gs or with the federal laws identified in the Analysis Framework Section.