

Connected Communities Project Trails Feasibility Study



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Prepared For: Sierra Nevada Conservancy
Lassen, Plumas, Tahoe, Humboldt-Toiyabe National Forests
Bureau of Land Management
Lassen, Butte, Plumas, Sierra and Nevada Counties

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Acronyms and Definitions

BLM	Bureau of Land Management
CC	Connected Communities
CCIR	Connected Communities Identified Route
HRCA	Home Range Core Area
HTNF	Humboldt-Toiyabe National Forest
LNF	Lassen National Forest
LOP	Limited Operating Period
NOGO	Northern Goshawk
ORV	Off-road Recreational Vehicle
PAC	Protected Activity Centers
PCT	Pacific Crest Trail
PCTA	Pacific Crest Trail Association
PNF	Plumas National Forest
ROS	Recreation Opportunities Spectrum
R	Rural
R & RN	Rural and Roded Natural
SPM	Semi-Primitive Motorized
SPNM	Semi-Primitive Non-motorized
SBTS	Sierra Buttes Trail Stewardship
SNYLF	Sierra Nevada Yellow Legged Frog
SPOW	Spotted Owl
TFS	Trails Feasibility Study
TNF	Tahoe National Forest
TMP	Trails Master Plan
USFS	United States Forest Service
USGS	United States Geological Survey

1.0 Introduction

The Connected Communities Project is located in Northern California and includes most of Plumas, Sierra, Lassen, Butte, and Nevada Counties; additionally the Connected Communities Identified Route will connect into Washoe County, Nevada. The project incorporates 13 rural and economically disadvantaged communities in the state of California (Susanville, Westwood, Chester, Jonesville, Greenville, Taylorsville, Quincy, Graeagle, Portola, Loyalton, Sierraville, Sierra City and Downieville) with additional ties to Truckee, California, and Reno, Nevada. The project includes land managed by Lassen, Plumas, Tahoe, and Humboldt-Toiyabe National Forests as well as the Bureau of Land Management. The initiative also involves the incorporation of privately held lands.

The Connected Communities Project was primarily funded by Sierra Nevada Conservancy's Vibrant Recreation and Tourism Directed Grant Program in addition to Proposition 68 funding secured by Sierra Buttes Trail Stewardship (SBTS). Additional funding was secured by Butte County Resource Conservation District, Friesen Foundation, Reno Area Dirt Riders and significant private citizen donations and funding from outdoor industry companies to SBTS. These funding sources contribute to actionable initiatives and effective project implementation. To date the Connected Communities Project has undertaken the following;

- Collaborate and partner with land managers, government agencies, tribes, and local organizations.
- Conduct community outreach and engagement through public surveys and community meetings.
- Evaluate route feasibility through GIS mapping, select ground truthing and alignment flagging.

- Draft Trails Feasibility Study and Trails Master Plans to provide future trail recreation opportunities to land managers and agencies.

Collaboration and outreach with federal, county and city agencies was initiated in 2019. This effort has led to a Master Cost Share Agreements with USDA Forest Service, Pacific Southwest Regional Office; Challenge Cost Share Supplemental Project Agreements with USDA Forest Service, Plumas National Forest, Tahoe National Forest, Lassen National Forest and a Volunteer Service Agreement with USDA Forest Service, and Humboldt-Toiyabe National Forest. Additional letters of support for the Connected Communities Project have been received.

As of December 2023, total of 73 letters of support have been received, these include Congressman Doug LaMalfa, Congressman Tom McClintock, Senator Brian Dahle and Assemblywoman Megan Dahle, Sierra County Board of Supervisors, Plumas County Board of Supervisors, Lassen County Board of Supervisors, Butte County Board of Supervisors, Nevada County Board of Supervisors, City of Susanville, City of Portola, City of Loyalton, State of Nevada Off Highway Vehicles Program.

A public outreach campaign was launched in 2020 which included a dedicated webpage at sierratrails.org/cc as well as social media, paper flyers, small group and open house meetings and media articles announcing the project and encouraging participation. From November 2020 to March 2021 SBTS completed a survey process to gather public input on the Connected Communities project through two methods: digital outreach and paper surveys. The paper surveys were distributed at essential businesses across the region. In total 1,351 survey responses were received. The responses from the surveys outline the public desire for a more extensive trail system connecting towns and providing more recreational opportunities throughout the region.

Following the survey period, SBTS hosted regional planning team meetings to further identify the ideal new trail corridors from community members and avid outdoor enthusiasts. These lines were digitized by SBTS GIS staff and further refined by SBTS staff members. Once this data set

was complete, the preliminary trail corridors were published on SBTS website, announced via social media as well as in person events across the region to garner further public input.

A desktop review was undertaken with land managers in preparation for drafting both the Trail Feasibility Study and the Connected Communities Trails Master Plan. Between 2022 and 2023, this review involved assessing trail corridors to determine the feasibility of trail alignment, using existing known resources. Desktop review participation level varied across the planning area depending on land manager capacity and resource specialist availability. SBTS understands that regional desktop reviews are static and can only supplement and not replace a comprehensive environmental review that is required for each segment of trail we propose to build. The purpose of the review with land managers was to determine feasibility of trail segments and realign trail segments when possible to avoid resource impacts. Approval of trail corridors will only follow a comprehensive review in partnership with land managers.

2.0 Overview of Trail System

The proposed trail system consists of 563 miles of proposed new trail construction and 293 miles of existing roads, for a total of 856 miles connecting the communities of Susanville, Westwood, Chester, Jonesville, Greenville, Taylorsville, Quincy, Graeagle, Portola, Loyalton, Sierraville, Sierra City and Downieville. Where practical, proposed new trail corridors utilize decommissioned road beds or other linear features such as social trails, flumes, or logging skid trails.

The total project area is an estimated 534 acres, which accounts for an 8-foot vegetation clearing width along the trail (4 feet on either side); however, only 267 acres of ground disturbance would occur to establish trail tread. These numbers account for areas disturbed by trail corridor development only. Including a FireWise Trail corridor would include an additional 50 ft of vegetation management on either side of the trail which would account for 6,679 acres of fuels management.

USFS Opportunity Spectrum Maps were consulted when developing the proposed trail system, The trail system interacts with the following spectrum types; these types are also indicated for each segment in the Identified Trail Segment Discussion section of this report:

- Roaded Natural (RN) spectrum in which “sights and sounds of humans are moderate, mostly natural appearing as viewed from sensitive roads and trails, landings, roads, slash and debris are evident, access travel is conventional motorized.”
- Rural (R) spectrum in which “USFS Management Prescriptions were also consulted through the planning process and are further discussed in the Identified Trail Segment section of this report. Both Recreation Opportunity Spectrum and Management Prescriptions for each trail segment are listed below in the Identified Trail Segment Discussion section of this report.
- Semi-Primitive Motorized is characterized as predominantly natural or natural appearing backcountry settings. Motorized travel by off-highway vehicles (OHVs) or high clearance vehicles occurs on designated routes and areas. Motorized routes are typically maintenance level 0-2 roads or motorized trails, offering a high degree of self-reliance, challenge, and risk in exploring these large backcountry settings. Mountain bikes, other mechanized equipment, and non-motorized uses, are also present. Limited rustic facilities are present for the purpose of visitor safety, sanitation and resource protection.
- Semi- Primitive Non-Motorized settings are characterized by predominantly natural or natural-appearing landscapes. The size of these areas facilitate distance from more heavily used and developed areas, creating a sense of remoteness. Interaction with other users is low. These settings provide opportunities for self-reliance and utilizing wildland skills. Motorized vehicles are not present, while mountain bikes, and other mechanized equipment may be present. Although some roads may be evident, they do not dominate the landscape. Vehicular use is infrequent. Occasional administrative use occurs on these roads for the purpose of natural and cultural resource protection and management.

The proposed trail corridor would cross the Pacific Crest Trail (PCT) only once at Humboldt Summit, utilizing Forest Service Road 27N43 as the existing crossing point. The Pacific Crest Trail Association (PCTA) has been involved in the planning around this crossing point, and agrees this is the optimal crossing location of the PCT and the proposed trail corridor.

The proposed trail corridors also avoid all Forest special management areas, such as Experimental Forests, Research Natural Areas, National Natural Landmarks and Special Interest Areas.

Furthermore, the proposed trail corridors does not intersect any Inventoried Roadless Areas, Recommended Wilderness areas or suitable/eligible National Wild and Scenic Rivers. Regional Recommended Wilderness areas are adjacent to Lassen Volcanic National Park, Caribou and Ishi Wilderness areas. The suitable/eligible National Wild and Scenic River of Deer Creek is located to the northwest and North Fork Feather River and tributaries are located to the south.

Finally, land managers provided known resource layers for review to assist in planning and trail alignment. Route modifications were made based on information received from the land managers during the desktop reviews. The proposed trail corridor avoids known resource areas to the extent practical, resource data reviewed is only updated (to SBTS knowledge) as of December 2023, and trail segments would be evaluated with current resource data and project-specific surveys will be needed to further evaluate resources prior to trial approval. Specific corridor interactions with known resources are identified and discussed in the Identified Trail Segment Discussion section below. SBTS plans to first attempt to avoid all resource interactions with trail realignments, however when constrained by terrain, land ownership or other concerns, SBTS will work with land managers to mitigate impacts or develop solutions. The following datasets and avoidance areas were utilized to inform the proposed trail corridor:

Plumas National Forest Data:

- Basic Ownership, land designations for forest owned vs non forest (Polygon)
- Roads, USFS designated routes (Line)
- Trails, USFS designated trails (Line)
- Cultural Site (Line)

- Cultural Site (Polygon)
- Cultural Site (Point)
- Invasive Species (Polygon)
- Bald Eagle Use Areas (Polygon)
- American Northern Goshawk PACs (Protected Activity Centers) (Polygon)
- Plumas National Forest LOPs (Polygon), includes Bats, Osprey, Western Grebe, Golden Eagle, Bald Eagle, Peregrine Falcon, and Great Blue Heron
- Spotted Owl PACs (Polygon)
- Spotted Owl Home Range Core Area (HRCA) (Polygon)
- Spotted Owl Limited Operating Period (LOP) Buffer (Polygon)
- Threatened and Endangered Species(Polygon)
- Wildlife Site (Polygon)
- Wildlife Guzzlers (Point)
- Sierra Nevada Yellow Legged Frogs (SNYLF) Suitable Habitat (Polygon)
- Special Interest Areas (Polygon)
- Research Natural Areas (Polygon)
- Rare Plants (Polygon)
- Rx8, prescription for semi-primitive areas from RMP (Polygon)
- Hydrological Layer, (Streams, Springs, Pipelines)(Point)

Tahoe National Forest Data:

- Basic Ownership, land designations for forest owned vs non forest (Polygon)
- Roads, USFS designated routes (Line)
- Trails, USFS designated trails (Line)
- Connected Communities Trails Avoidance Area, generalized layer of resource avoidance areas within a quarter mile buffer of original proposed Lost Sierra Route (Polygon)
- Inventoried Roadless Areas (Polygon)
- Hydrological Layer, (Streams, Springs, Pipelines)(Point)
- Wet Areas Preferred Avoidance (Polygon)
- Aspen Groves (Polygon)

Lassen National Forest Data:

- Basic Ownership, land designations for forest owned vs non forest (Polygon)

- Connected Communities Avoidance Areas, generalized layer of resource avoidance areas within a quarter mile buffer of original proposed Lost Sierra Route (Polygon, Points and Linear)
- Roads, USFS designated routes (Line)
- Trails, USFS designated trails (Line)
- Ranger Districts, Administrative Boundaries for LNF (Polygon)
- Spotted Owl PACs(Polygon)
- Spotted Owl Nest Protection Buffer (Polygon)
- Spotted Owl Limited Operating Period Buffers (Polygon)
- Marten Den Protection Buffers (Polygon)
- American Northern Goshawk PACs (Polygon)
- American Northern Goshawk Limited Operating Period Buffers (Polygon)
- Hydrological Layer, (Streams, Springs, Pipelines)(Point)

Humboldt-Toiyabe National Forest Data:

- Basic Ownership, land designations for forest owned vs non forest (Polygon)
- Roads, USFS designated routes (Line)
- Trails, USFS designated trails (Line)
- Hydrological Layer, (Streams, Springs, Pipelines)(Point)

Additional Datasets:

- Butte County Parcel Layer with Ownership information (Polygon)
- BLM ELFO RMP Proposed Trails, Eagle Lake Field Office (Line)
- California Conservation Easement Database (Polygon)
- California Essential Habitat Connectivity, CDFW (Polygon)
- California Streams, CDFW (Line)
- Lassen County Parcel Layer with Ownership information (Polygon)
- Mule Deer Migration Corridors Doyle, CDFW (Polygon)
- Mule Deer Migration Corridors Loylton, CDFW (Polygon)
- National Wild and Scenic River Segments (Line)
- National Wild and Scenic River Eligible and Suitable (Line)
- Plumas County Parcel Layer with Ownership information (Polygon)
- Roadless Area 2001 - USFS - All Forests (Polygon)
- Tribal Lands Ceded to the United States, USFS (Polygon)

3.0 Identified Trail Segment Discussion

In conducting this feasibility study, we utilized Forest Service EM-7720-103 specifications as a guide for identifying trail corridors. The proposed trail corridors were evaluated for single track standard/terra trail type, with intention of developing them to Trail Class 2 Moderately Developed standards. This classification entails the construction of a continuous, discernible, yet narrow and rough tread constructed of native materials. The trail corridors were also assessed to accommodate multiple uses with the assumption that the trail would be managed for all allowable use types. Motorcycles were also assumed to be the designated use. However, all trail management objectives would be set by land managers, pending environmental review, and established in the project decision document(s).

The NEPA and CEQA process and land manager approval will determine the designated use of the trail corridors proposed by the Connected Communities Project. SBTS has envisioned a few alternative outcomes to the environmental review process for trail designation, including:

Alternative A - all trail segments designated for motorized shared use built to Motorcycle Trail Class 2 standards

Alternative B - select trail segments designated for motorized (motorcycle) shared use built to Trail Class 2 standards, select trail segments designated for non-motorized shared use to include class 1 e-bikes built to Bike Trail Class 2 standards

Alternative C - all trail segments designated for non-motorized shared use to include class 1 e-bikes built to Bike Trail Class 2 standards

Alternative D - no trail corridors are approved by land managers and no action is taken on the proposed Connected Communities Project

Individual segment maps and baseline trail information mimicking Trail Management Objectives format are provided in **Appendix 5**. Stream crossings were evaluated based on National Hydrography Flowline Data and were field verified using United States Geological Survey stream classifications and it was determined some of the crossings were non-existent. Each potential

stream crossing is described in the trail segment discussion below. When possible trail segments were realigned to use existing crossings.

Conversations with individual resource specialists guided SBTS plan when evaluating resource interactions. Archaeological linear features were expansive and difficult to avoid, it was determined that when possible trail segments would use areas where the linear features are already breached, or work with specialists to determine mitigation options. Similarly SNYLF Suitable Habitat was expansive and hard to avoid. SBTS understands that this habitat layer is based on potential for presence of water and field verification and detailed evaluation is needed to determine viability of SNYLF habitat. Some trail segments interact with Limited Operating Period (LOP) zones, SBTS plans on avoiding those, and but if unavoidable will instead adhere to limited operating specifications.

For discussion purposes, segment numbers have been assigned to the identified trail corridors. These segment numbers do not reflect segment priority. SBTS plans to prioritize projects and trail segments based on :

- Proximity to communities in need of economic development,
- Areas lacking recreation trail opportunities,
- Can provide connection to existing or approved trail networks, or trail networks currently undergoing environmental review,
- Proposed projects would connect multiple towns by trail.

Identified trail segments were drawn by SBTS staff using CalTopo and further modified on ArcGIS Pro. A portion, 40%, of identified trail segments have been groundtruthed by SBTS staff. Ground Truthing includes walking the proposed trail corridors and spot checking the feasibility of trail construction but does not include full trail layout. On trial segments where ground truthing occurred, hand held clinometers were used and grade was kept below 10%. Each trail segment will go through a similar process before implementation. ArcGIS Field Maps App was used to collect ground truthed trail alignments.

Segment and TFS Maps Page #	Segment Title	Miles	Land Manger	Ranger District
1	Jonesville Connection	3.97	LNF	Almanor
2	Humboldt Summit to Eanani Meadow	8.18	LNF	Almanor
3	Chester to Westwood	33.44	LNF	Almanor
4	Westwood to Fredonyer	16.21	LNF	Eagle Lake
5	Fredonyer to Susanville	7.65	LNF	Eagle Lake
6	Fredonyer Pass to Indicator Peak	9.55	LNF	Eagle Lake
7	Diamond Mountains West	15.18	PNF	Hough
8	Indicator Peak to Lights Creek	13.24	PNF	Hough
9	Lights Creek to Eiesenheimer Saddle	7.59	PNF	Hough
10	Antelope to Eisenheimer	11.79	PNF	Hough
11	Antelope to Diamond Mountains	10.34	PNF	Beckwourth
12	Diamond Mountains East	27.46	PNF	Beckwourth
13	Last Chance Creek to Chilcoot	23.05	PNF	Beckwourth
14	Beckwourth Pass to Roberts Canyon	5.27	BLM	Eagle Lake Field Office
15	Staverville Road to Roberts Canyon	10.60	HTNF	Carson
16	Sierra Brooks to Staverville Rd	10.28	TNF	Sierraville
17	Lemon Canyon to Sierra Brooks	9.16	TNF	Sierraville
18	Little Truckee Summit to Lemon Canyon	7.37	TNF	Sierraville
19	Little Truckee Summit to Crystal Peak	24.05	TNF	Sierraville
20	Verdi Ridge to Babbitt Peak	12.17	TNF	Sierraville
21	Heness Pass to Nevada Border	7.66	HTNF	Carson
22	Little Truckee Summit to Yuba Pass	7.37	TNF	Sierraville
23	High Commission	17.23	TNF	Yuba River
24	La Porte Rd to Eureka Ridge	14.12	PNF	Beckwourth

25	Meadow Valley to La Porte Rd	16.26	PNF	Hough
26	Yuba Pass to Chapman Saddle	5.03	TNF	Yuba River, Sierraville
27	Chapman Saddle to Gold Lake Highway	6.33	TNF	Yuba River
28	Chapman Saddle to Hwy 89	3.59	TNF	Sierraville
29	Hwy 89 to Carman Saddle	7.32	TNF	Sierraville
30	Carman Saddle to Portola	3.76	PNF	Beckwourth
31	Wild and Scenic Bikepath	1.64	PNF	Beckwourth
32	Willow Creek	6.69	PNF	Beckwourth
33	Grizzly to Blairsden	7.36	PNF	Beckwourth
34	Bonta Creek	4.27	PNF	Beckwourth
35	Bonta Ridge	5.02	PNF	Beckwourth
36	Jackson Creek to Penman	9.48	PNF	Beckwourth
37	Mabie to Grizzly Ridge	16.86	PNF	Beckwourth
38	Grizzly Ridge to Big Grizzly Creek	3.35	PNF	Beckwourth
39	Big Grizzly Creek to Crocker Camp	17.05	PNF	Beckwourth
40	Crocker Camp to Frenchmans Reservoir	16.61	PNF	Beckwourth
41	Diamond Mountains to Frenchmans Reservoir	7.58	PNF	Beckwourth
42	Grizzly Ridge to Portola	9.62	PNF	Hough
43	Taylorville to Eisenheimer Saddle	34.28	PNF	Hough
44	Eisenheimer Saddle to Lights Creek	11.24	PNF	Hough
45.1	Crescent Mills to Long Valley Road (BLM)	2.73	BLM	Eagle Lake Field Office
45.2	Crescent Mills to Long Valley Road (PNF)	0.74	PNF	Hough
45.3	Crescent Mills to Long Valley Road (Private)	0.14	Private	Private
46.1	Round Valley Reservoir to Greenville 1	5.59	PNF	Hough
46.2	Round Valley Reservoir to Greenville (Private)	0.39	Private	Private
47	Long Valley to Greenville	4.84	PNF	Hough
48	Keddie Ridge	10.45	PNF	Hough

49	Keddie Ridge to Mountain Meadows Reservoir	2.90	LNF	Eagle Lake
50	Long Valley to Canyondam	5.39	PNF	Hough
51	Canyondam	2.44	PNF	Hough
52	Westshore to Canyondam	8.72	LNF	Almanor
	TOTAL	550.59		

3.1 Lassen National Forest

There were 87.71 miles of trail identified on the LNF with 20.86 miles on the Almanor Ranger District and 66.85 miles on Eagle Lake Ranger District. Trail segments existing on LNF lands bordering BLM and PNF were evaluated individually. For the purpose of this study, trail segment ownership was assigned to the land manager with the largest percentage of the specific trail across their district, however this will be determined when evaluated on a project specific level

Segment 1 - Jonesville to Humboldt Summit

District:	<i>Almanor, LNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>3.96 Miles</i>	Ground Truthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>Northern Goshawk PAC LOP Buffer interaction (1)</i> ● <i>California Spotted Owl PAC (2)</i> 		
Additional details:	<i>This segment was ground truthed by Trail Labs Co and is further reported on in the Colby Mountain Recreation Area Trail Master Plan prepared for Lassen National Forest and Resource Conservation District of Butte County.</i>		
Connectivity Description:	<i>The western terminus connects to forest road 26N27 (Humboldt Rd) and will provide connectivity to the proposed trailhead at Jonesville Snow Park and Colby Mountain Recreation Area. The eastern terminus connects to 27N43</i>		

	<i>just below Humboldt Summit and the Pacific Crest Trail. Humboldt Road, 27N14, and 27N59 are used to connect to trail segment 47.2.</i>
Corresponding TFS Maps Page #	1

Segment 2 - Humboldt Summit to Eanani Meadow

District:	<i>Almanor, LNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>8.18 Miles</i>	Ground Truthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Cosses unnamed creek, it was groundtruthed and it was determined to be non-existent.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>California Spotted Owl PAC LOP Buffer interaction (2)</i> ● <i>Northern Goshawk PAC LOP Buffer interaction (1)</i> 		
Additional details:	<i>Reroutes occurred along this segment to reduce segment interactions with LOP buffers, but private property to the south limits complete avoidance.</i>		
Connectivity Description:	<i>The western terminus of the segment connects to forest road 27N59. The eastern terminus of the segment ties into 27N04E and Humboldt Road to which facilitates connection to these roads, and aids connectivity to adjacent trail segments.</i>		
Corresponding TFS Maps Page #	2		

Segment 3 - Chester to Westwood

District:	<i>Eagle Lake, LNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>33.44 Miles</i>	Ground Truthed:	<i>No</i>
Drainage and Stream Crossings	<i>Crossing at the intermittent Dillon Creek was ground truthed and it was determined that there was no stream crossing needed in that location. Crossing at ephemeral Last Chance Creek was groundturhted</i>		

Number and description of resource interactions:	<ul style="list-style-type: none"> ● California Spotted Owl PAC LOP Buffer interaction (6) ● Northern Goshawk PAC LOP Buffer interaction (8) ● Undefined Linear avoidance feature (5)
Additional details:	<i>This trail segment is just south of the Swain Mountain Experimental Forest.</i>
Connectivity Description:	<i>Connects the community of Chester via Chester Warner Valley Road to Moonie Road near Jennie Mountain, Segment 4 and the community of Westwood.</i>
Corresponding TFS Maps Page #	3

Segment 4- Westwood to Fredonyer

District:	<i>Eagle Lake, LNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>16.21 Miles</i>	Ground Truthed:	<i>No</i>
Drainage and Stream Crossings	<i>Potential stream crossing at southeastern terminus was ground truthed and found to be non-existent.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● Aspen Grove (2) ● Undefined linear avoidance feature (11) 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects Segment3 and Mooney Road to Highway 36 and Segments 5 and 6.</i>		
Corresponding TFS Maps Page #	4		

Segment 5 - Fredonyer to Susanville

District:	<i>Eagle Lake, LNF</i>	ROS Class:	<i>RN</i>
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Segment Length:	<i>7.65 Miles</i>	Ground Truthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>Undefined avoidance area occurs on existing road connection.</i>		
Connectivity Description:	<i>Connects Segment 4 and 6 , and Highway 36 near Fredonyer Pass to Korver Road which connects to Cheney Creek Rd which connects to Susanville.</i>		
Corresponding TFS Maps Page #	<i>5</i>		

Segment 6- Fredonyer Pass to Indicator Peak

District/Forest:	<i>Eagle Lake, LNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>9.55 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Crossing at intermittent creek Mountain Meadows Creek, this was goundtruthed and found to not be existent.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>The southern terminus of the trail ends close to the PNF and LNF border.</i>		
Connectivity Description:	<i>Connects from Fredonyer Pass and Segment 5 to Segment 8 which connects to Lights Creek.</i>		
Corresponding TFS Maps Page #	<i>6</i>		

Segment 52 - Westshore to Canyondam

District/Forest:	<i>Almanor, LNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>8.72 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>Northern Goshawk Nest Protection LOP Buffer (3)</i> ● <i>Undefined linear avoidance feature (1)</i> ● <i>California Spotted Owl PAC LOP Buffer interaction (2)</i> 		
Additional details:	<i>Uses existing roads to make connections between trail segment and avoid resource impacts.</i>		
Connectivity Description:	<i>Connects from the PNF border alongside Lake Almanor to Humboldt Rd which connects to Segment 2.</i>		
Corresponding TFS Maps Page #	<i>52</i>		

3.2 Plumas National Forest

There are 323.39miles of trail identified on the PNF with 148.64 miles on the Mount Hough Ranger District and 174.65 miles on the Beckwourth Ranger District . Trail segments existing on PNF lands bordering BLM, TNFand LNF were evaluated individually. For the purpose of this study, trail segment ownership was assigned to the land manager with the largest percentage of the specific trail across their district, however this will be determined when evaluated on a project specific level

Segment 7 - Diamond Mountains West

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>RN</i>
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Segment Length:	15.18 Miles	Groundtruthed:	No
Drainage and Stream Crossings	Yes. perennial creek Moonlight Creek		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● SNYLF Suitable Habitat (1) ● Rare Plants Susanville Beard Tongue (2) ● Diamond Mountain Restricted ORV ● Polygon archeological feature (2) ● ELRD PAC Data at Willard Creek East Fork 		
Additional details:	Segment straddles PNF and LNF boundary with majority on PNF.		
Connectivity Description:	Connects 29N46 and 28N52 which have connections to Segment 12.		
Corresponding TFS Maps Page #	7		

Segment 8 - Indicator Peak to Lights Creek

District/Forest:	Mt. Hough, PNF	ROS Class:	RN
Segment Length:	13.27 Miles	Groundtruthed:	No
Drainage and Stream Crossings	Crosses perennial Cooks Creek at existing road crossing, no additional infrastructure needed to cross creek.		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● SNYLF Suitable Habitat (5) ● Invasive Species Canada Thistle ● Linear archeological feature (2) ● Polygon archaeological feature 		
Additional details:	None.		
Connectivity Description:	Connects Lights Creek to Segment 6, which connects to Fredonyer Pass. Includes trail segments that move west over Moonlight Pass and to Greenville Creek Rd which has connections to Mountain Meadows Reservoir and Westwood.		
Corresponding TFS	8		

Maps Page #	
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Segment 9 - Lights Creek to Eiesenheimer Saddle

District/Forest:	Mt. Hough, PNF	ROS Class:	RN
Segment Length:	7.59 Miles	Groundtruthed:	No
Drainage and Stream Crossings	Crossing of Lights Creek at existing road.		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● Linear archeological feature (2) ● Polygon archaeological feature 		
Additional details:	None		
Connectivity Description:	Connects Lights Creek and Segment 8 to Segment 10 that moves east to the Diamond Mountains and Segment 47 that moves west towards Kieddie Ridge.		
Corresponding TFS Maps Page #	9		

Segment 10 - Eisenheimer to Antelope Lake

District/Forest:	Mt. Hough, PNF	ROS Class:	RN
Segment Length:	11.79 Miles	Groundtruthed:	No
Drainage and Stream Crossings	Yes, perennial creek Indian Creek.		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● SNYLF Suitable Habitat (2) ● Linear archeological feature 		

Additional details:	<i>The Taylor Lake Non-Motorized System Trail is just to the south of this proposed segment. Due to several fires this trail system has become impassable with rapid brush growth and falling trees. This trail system would need considerable efforts to reopen and maintain and it would require several realignments of over-grade segments to make the trails sustainable and enjoyable for users. The Taylor Lake trail system would connect Taylor Lake to Antelope Lake and could be an alternative if reopened and segments realigned.</i>
Connectivity Description:	<i>Connects Segment 9 to 27N47 which connects west to Segment 11 and the Diamond Mountains.</i>
Corresponding TFS Maps Page #	10

Segment 11 - Antelope Lake to Diamond Mountains

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>10.34 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (2)</i> ● <i>Invasive Species Marsh Skullcap</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects 27N41 to Segment 12 and the Diamond Mountains.</i>		
Corresponding TFS Maps Page #	11		

Segment 12 - Diamond Mountains East

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
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Segment Length:	27.46 Miles	Groundtruthed:	No
Drainage and Stream Crossings	One both unnamed creeks was ground truthed and determined to be non-existent.		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● SNYLF Suitable Habitat (7) ● North Goshawk PAC (1) 		
Additional details:	Segment straddles PNF and LNF boundary with majority on PNF.		
Connectivity Description:	Runs along the Diamond Mountain Range, connecting Segment 7 via forest roads to Segment 13 and the proposed Frenchman Recreation Zone.		
Corresponding TFS Maps Page #	12		

Segment 13 - Last Chance Creek to Chilcoot

District/Forest:	Beckwourth, PNF	ROS Class:	RN & Semi Primitive Motorized
Segment Length:	23.05 Miles	Groundtruthed:	No
Drainage and Stream Crossings	Yes, two unnamed intermittent creeks.		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● SNYLF Suitable Habitat (1) 		
Additional details:	None		
Connectivity Description:	Connects 24N88 near the community of Chilcoot to 25N11 near Sugarloaf Mountain.		
Corresponding TFS Maps Page #	13		

Segment 24 - La Porte Rd to Eureka Ridge

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>14.12 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (1)</i> ● <i>Special Interest Area, Botanical</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Quincy La Porte Road to Eureka Ridge</i>		
Corresponding TFS Maps Page #	<i>24</i>		

Segment 25 - Meadow Valley to La Porte Road

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>16.26 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>None</i> 		
Additional details:	<i>Part of the Claremont Trail System that is in environmental review as of January, 2024.</i>		
Connectivity Description:	<i>Connects Peppered Flat Road to Quincy La Porte Road</i>		

Corresponding TFS Maps Page #	25
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Segment 26.1 - Grizzly Ridge to Portola

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>19.91 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes, crosses</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (2)</i> ● <i>Linear archeological features (3)</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects the community of Mabie to Grizzly Ridge.</i>		
Corresponding TFS Maps Page #	26		

Segment 30 - Carmen Saddle to Portola

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN & R</i>
Segment Length:	<i>3.76 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes, crosses three unnamed creeks, all three were ground truthed and determined to be non-existent.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (4)</i> 		
Additional details:	<i>Within Beckwourth Recreation Zone.</i>		

Connectivity Description:	<i>Connects the community of Portola to Carmen Saddle.</i>
Corresponding TFS Maps Page #	30

Segment 31 - Wild and Scenic Bikepath

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>R</i>
Segment Length:	<i>1.64</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>Linear archaeological features (4)</i> ● <i>Polygon archaeological features</i> ● <i>Invasive species Broadleaved Pepperweed</i> 		
Additional details:	<i>Alongside highway 70</i>		
Connectivity Description:	<i>Connects Beckwourth to nearby Portola and has connections to the Middle Fork of the Feather River.</i>		
Corresponding TFS Maps Page #	31		

Segment 32 - Willow Creek

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN & R</i>
Segment Length:	<i>6.69 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes, crosses perennial Willow Creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (4)</i> ● <i>Linear archeological features (3)</i> 		

Additional details:	<i>None</i>
Connectivity Description:	<i>Connects the community of Mabie to Segment 24 which climbs towards Grizzly Ridge.</i>
Corresponding TFS Maps Page #	<i>32</i>

Segment 33 - Grizzly to Blairsden

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN & R</i>
Segment Length:	<i>7.36 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> <i>None</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects highway 70 just south of Blairsden to Segments 26 on Grizzly Ridge.</i>		
Corresponding TFS Maps Page #	<i>33</i>		

Segment 34 - Bonta Creek

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>4.27 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes , crosses perennial Bonta Creek</i>		
Number and description of	<ul style="list-style-type: none"> <i>SNYLF Suitable Habitat (3)</i> 		

resource interactions:	
Additional details:	<i>None</i>
Connectivity Description:	<i>Connection between Segments 24 and 22.</i>
Corresponding TFS Maps Page #	34

Segment 35 - Bonta Ridge

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN & R</i>
Segment Length:	<i>5.02 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Crosses unknown intermittent creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>SNYLF Suitable Habitat (5)</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects highway 70 near Blairsden to Segments 21 and 23, up Bonta Ridge to Penman Saddle.</i>		
Corresponding TFS Maps Page #	36		

Segment 37 - Mabie to Grizzly Ridge

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>16.86 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes, crosses intermittent Humbug Creek at a potential natural bridge. There was another unnamed ephemeral creek that was groundtruthed and</i>		

	<i>determined to be non-existent.</i>
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (3)</i>
Additional details:	<i>None</i>
Connectivity Description:	<i>Connects the community of Mabie to Grizzley Ridge where it meets with Segment 38.</i>
Corresponding TFS Maps Page #	

Segment 38 - Grizzly Ridge to Big Grizzly Creek

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>3.35 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Yes, crosses perennial Willow Creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (1)</i> 		
Additional details:	<i>Within the Lake Davis Recreation Zone.</i>		
Connectivity Description:	<i>Connects Grizzly Ridge to east to the Beckwourth Taylorsville Road.</i>		
Corresponding TFS Maps Page #	<i>38</i>		

Segment 39 - Big Grizzly Creek to Crocker Camp

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
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Segment Length:	<i>17.05 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (7)</i> ● <i>Linear archeological features (2)</i> 		
Additional details:	<i>Uses an existing road to pass through Bald Eagle Use Area.</i>		
Connectivity Description:	<i>Connects the Beckwouth-Taylorsville Road to Bagley Pass and Beckwouth-Genesse Rd</i>		
Corresponding TFS Maps Page #	<i>39</i>		

Segment 40 -Crocker Camp to Frenchmans Reservoir

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>16.61 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes, crosses an unnamed intermittent creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>SNYLF Suitable Habitat (1)</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects Beckwourth -Gennessee Rd to Frenchman's Lake.</i>		
Corresponding TFS Maps Page #	<i>40</i>		

Segment 41 - Diamond Mountains to Frenchmans Reservoir

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>7.58 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects the 24N01 near Turkey Point to Crystal Peak and Segment 32.</i>		
Corresponding TFS Maps Page #	<i>41</i>		

Segment 42 - Grizzly Ridge

District/Forest:	<i>Beckwourth, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>9.64 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Linear archeological features (5)</i> 		
Additional details:	<i>Uses existing road to go through Brady's Camp Special Interest Area.</i>		
Connectivity Description:	<i>Connects to the communities of Mabie, via Segment 37, and to Lake Davis, via Segment 38 to Taylorsville and Mount Hough Trail System.</i>		
Corresponding TFS	<i>42</i>		

Maps Page #	
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Segment 43 - Taylorsville to Eisenheimer Saddle

District/Forest:	Mt. Hough, PNF	ROS Class:	R & RN
Segment Length:	34.28 Miles	Groundtruthed:	Yes
Drainage and Stream Crossings	None		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● SNYLF Suitable Habitat (10) ● Linear archeological feature (2) 		
Additional details:	Trail segment is included as part of the trails proposed within that project.		
Connectivity Description:	Connects Taylorsville to Eisenheimer Saddle. This is in the same footprint as the North Fork Recovery Project.		
Corresponding TFS Maps Page #	43		

Segment 44 - Eisenheimer Saddle to Lights Creek

District/Forest:	Mt. Hough, PNF	ROS Class:	RN
Segment Length:	11.24 Miles	Groundtruthed:	Yes
Drainage and Stream Crossings	Yes, crosses perennial creek Freds Creek and two unnamed intermittent creeks.		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● SNYLF Suitable Habitat (5) ● Linear archeological feature ● Polygon archaeological feature 		
Additional details:	None		
Connectivity	Connects 27N16Y and North Arm Indian Valley to Segments 9 and 43.		

Description:	
Corresponding TFS Maps Page #	44

Segment 45.2 Crescent Mills to Long Valley Road (PNF)

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>R</i>
Segment Length:	<i>0.74 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> <i>Limited Operating Period, Bats (1)</i> 		
Additional details:	<i>This is on BLM land and is within the North Fork Forest Recovery Project and trail segment is included as part of the trails proposed within that project.</i>		
Connectivity Description:	<i>Connects to Segment 45.3 which has connections to Long Valley Road and connects to Segment 45.1 which connects to the community of Crescent Mills.</i>		
Corresponding TFS Maps Page #	45		

Segment 46.1 - Round Valley Reservoir to Greenville (PNF)

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>R & RN</i>
Segment Length:	<i>5.59 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Yes, it crosses over an unnamed intermittent creek.</i>		
Number and description of resource	<ul style="list-style-type: none"> <i>SNYLF Suitable Habitat crossing (4)</i> <i>Linear Archaeological Features (2)</i> 		

interactions:	<ul style="list-style-type: none"> • <i>Spotted Owl HRCA</i>
Additional details:	<i>None</i>
Connectivity Description:	<i>Connects to Segment 46.2 (which connects to Greenville) and the Long Valley Road and provides access to the Round Valley Reservoir.</i>
Corresponding TFS Maps Page #	<i>46</i>

Segment 47 - Long Valley Rd to Greenville

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>R & RN</i>
Segment Length:	<i>4.84 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Yes, it crosses over an unnamed intermittent creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>SNYLF Suitable Habitat crossing (1)</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects to Wolf Creek Road, which connects to the community of Greenville, and to Long Valley Road which has connections to Lake Almanor and the community of Canyon Dam.</i>		
Corresponding TFS Maps Page #	<i>47</i>		

Segment 48 - Keddie Ridge

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>R & RN</i>
Segment Length:	<i>10.45 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream	<i>Yes, it crosses over a perennial creek, Williams Creek.</i>		

Crossings	
Number and description of resource interactions:	<ul style="list-style-type: none"> • SNYLF Suitable Habitat crossing (11)
Additional details:	<i>The Greenville Rancheria has cultural resource concerns in this area. SBTS will work with the Greenville Rancheria to ensure that any proposed trail alignments in the area do not impact Maidu cultural resources.</i>
Connectivity Description:	<i>Connects the community of Greenville to Indian Valley along the Keddie Ridge. Connections to Segment 49 which has connections to the community of Westwood.</i>

Segment 49 - Keddie Ridge to Mountain Meadows Reservoir

District/Forest:	<i>Eagle Lake, LNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>2.90 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes, it crosses over a perennial creek, Greenville Creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects to Segment 48, the Keddie Ridge segment, to Greenville Creek Road that has connections to the community of Westwood.</i>		
Corresponding TFS Maps Page #	<i>49</i>		

Segment 50 - Long Valley to Canyondam

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>R & RN</i>
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Segment Length:	5.39 Miles	Groundtruthed:	No
Drainage and Stream Crossings	None		
Number and description of resource interactions:	<ul style="list-style-type: none"> • Southern terminus is adjacent but does not cross linear archaeological features • SNYLF Suitable Habitat crossing (1) • Goshawk Defensible Fuel Profile Zone (DFPZ) - per email correspondence with PNF Wildlife Biologist Colin Dillingham 5/22/23 there is no issue with trail construction crossing through DFPZs 		
Additional details:	Segment is within the North Fork Forest Recovery Project and trail segment is included as part of the trails proposed within that project.		
Connectivity Description:	Connects to road 27N99 to the northwest and Long Valley Road to the southeast; these roads provide connectivity to adjacent trail segments.		
Corresponding TFS Maps Page #	50		

Segment 51 - Canyon Dam

District/Forest:	Mt Hough, PNF	ROS Class:	RN
Segment Length:	2.44 Miles	Groundtruthed:	Yes
Drainage and Stream Crossings	Yes, crosses perennial Willow Creek.		
Number and description of resource interactions:	<ul style="list-style-type: none"> • Bald Eagle Secondary Use Area interaction (1) 		
Additional details:	Segment is within the Butt Lake Management Area, which includes the following management prescriptions: recreation area, minimal management, riparian, visual retention, bald eagle habitat, spotted owl habitat, visual partial retention and timber emphasis.		
Connectivity	Its eastern terminus segment connects to Forest Road 27N98 at the		

Description:	<i>proposed Canyon Dam trailhead. The segment utilizes Forest Road 27N28YB for .13 miles in the center of the segment. The western segment terminus connects to Forest Road 8M52 which is utilized to connect to segment 50.</i>
Corresponding TFS Maps Page #	51

3.2 Tahoe National Forest

There are 111.54 miles of trail identified on the TNF with 104.87 miles on the Sierraville Ranger District and 6.67 miles on the Yuba River Ranger District. Trail segments existing on TNF lands bordering BLM, PNF and HTNF were evaluated individually. For the purpose of this study, trail segment ownership was assigned to the land manager with the largest percentage of the specific trail across their district, however this will be determined when evaluated on a project specific level

Segment 16 - Sierra Brooks to Staverville Road

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>10.28 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Yes, three unnamed intermittent creeks, one of which was groundtruthed and determined to be non-existent.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> <i>Undefined avoidance polygon (1)</i> 		
Additional details:	<i>This trail segment is within the footprint of the proposed Sierra Valley Recreation Zone and is currently being assessed under that project.</i>		

Connectivity Description:	<i>Connects Sierra Brooks and Smithneck Road to Sierraville Rd and Segments 44 and 42.6.</i>
Corresponding TFS Maps Page #	16

Segment 17 - Lemon Canyon to Sierra Brooks

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>9.16 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Crosses unknown creek, which was groundtruthed and determined to be non-existent.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>This trail segment is within the footprint of the proposed Sierra Valley Recreation Zone and is currently being assessed under that project.</i>		
Connectivity Description:	<i>Connects the community of Sierraville to Sierra Brooks.</i>		
Corresponding TFS Maps Page #	17		

Segment 18 - Little Truckee Summit to Lemon Canyon Rd

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>7.37 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Yes, crosses perennial Cottonwood Creek and two unknown intermittent creek.</i>		

Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Undefined avoidance polygon (1)</i>
Additional details:	<i>Avoids other undefined avoidance areas with use of existing roads. This trail segment is within the footprint of the proposed Sierra Valley Recreation Zone and is currently being assessed under that project.</i>
Connectivity Description:	<i>Connects Henness Pass and Onion Valley to Old Truckee Road.</i>
Corresponding TFS Maps Page #	18

Segment 19 - Little Truckee Summit to Crystal Peak

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>24.05</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Crosses one unnamed intermittent creek which was groundtruthed and determined to be non-existent and crosses one ephemeral creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Undefined avoidance polygon (1)</i> 		
Additional details:	<i>This trail segment is within the footprint of the proposed Sierra Valley Recreation Zone and is currently being assessed under that project.</i>		
Connectivity Description:	<i>Connects Little Truckee Summit east towards Verdi Ridge.</i>		
Corresponding TFS Maps Page #	19		

Segment 20 - Henness Pass to Babbitt Peak

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN & SPM</i>
Segment Length:	<i>12.17 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>Crosses unnamed intermittent creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>Ends on Jones Valley Road, right before an Inventoried Roadless Area.</i>		
Connectivity Description:	<i>Connects to East Zone Trails on eastern end of trail segment and Segment 21 that moves east to Nevada to Babbitt Peak and Jones Valley Road.</i>		
Corresponding TFS Maps Page #	<i>20</i>		

Segment 22- Little Truckee Summit to Yuba Pass

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>7.37 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Quaking Aspen grove (1)</i> • <i>Undefined avoidance area (1)</i> 		
Additional details:	<i>Parallels 24N07.</i>		
Connectivity	<i>Connects Little Truckee Summit at Highway 89 to Bonta Creek Rd and</i>		

Description:	<i>Nicols Mill Rd that has connections to Yuba Pass.</i>
Corresponding TFS Maps Page #	22

Segment 23 - High Commission

District/Forest:	<i>Yuba River, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>17.23 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>Crossing at Black Canyon Creek, potential natural crossing, two more crossings of an unknown perennial creek</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> ● <i>Preferred Avoidance Wet Areas (5)</i> ● <i>Undefined avoidance areas (10)</i> 		
Additional details:	<i>Developed by the indigenous people that inhabited the North Yuba and lakes Basin area thousands of years ago, the route called High Commission was the original pre-historic pathway connecting the confluence of the Downie and North Yuba Rivers with the Sierra Buttes and Lakes Basin. During the 1850's Gold Rush the route was utilized by miners to link the neighboring gold mine towns of Downieville and Sierra City. Segments of the High Commission Trail still exist and blazes in the old growth trees, indicating the original alignment, are still visible.</i>		
Connectivity Description:	<i>Connects Downieville to Sierra City and the Sierra Buttes.</i>		
Corresponding TFS Maps Page #	23		

Segment 26 -Chapman Saddle to Yuba Pass

District/Forest:	<i>Yuba River, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>5.03 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream	<i>Yes, crosses perennial Willow Creek.</i>		

Crossings	
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Undefined avoidance polygon (2)</i> • <i>Wet areas preferred avoidance (2)</i>
Additional details:	<i>None</i>
Connectivity Description:	<i>Connects Yuba Pass at highway 49 to Chapman Saddle at Haskell Peak Road.</i>
Corresponding TFS Maps Page #	<i>26</i>

Segment 27 - Chapman Saddle to Gold Lake Highway

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>6.33 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Undefined avoidance polygon (1)</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects Mohawk-Chapmand Rd over Haskell Peak to Sheep Camp Road that connects to Gold Lakes Highway.</i>		
Corresponding TFS Maps Page #	<i>27</i>		

Segment 28 - Chapman Saddle to Hwy 89

District/Forest:	<i>Sierrville, TNF</i>	ROS Class:	<i>RN</i>
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Segment Length:	<i>3.59 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>Avoids Northern Goshawk PAC through use of an existing road.</i>		
Connectivity Description:	<i>Connects highway 89 to 21N94 near Chapman saddle.</i>		
Corresponding TFS Maps Page #	<i>28</i>		

Segment 29 - Hwy 89 to Carman Saddle

District/Forest:	<i>Sierraville, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>7.32 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>Segment starts on PNF and ends on TNF, majority is on PNF.</i>		
Connectivity Description:	<i>Connect Carmen Saddle to Highway 89 close to the community of Calpine</i>		
Corresponding TFS Maps Page #	<i>29</i>		

Segment 36 - Yuba Pass to Gold Lake

District/Forest:	<i>Yuba River, TNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>1.64 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects Haskell Peak Rd to Sheep Camp Rd which has connections to Gold Lake Highway.</i>		
Corresponding TFS Maps Page #	<i>36</i>		

2.4 Bureau of Land Management

There were 8 miles of trail identified on the BLM in the Eagle Lake Field Office. Trail segments existing on BLM lands bordering PNF and TNF were evaluated individually. For the purpose of this study, trail segment ownership was assigned to the land manager with the largest percentage of the specific trail across their district, however this will be determined when evaluated on a project specific level

Segment 14 - Roberts Canyon to Beckworth Pass

District/Forest:	<i>Eagle Lake Field Office, BLM</i>	ROS Class:	<i>NA</i>
Segment Length:	<i>5.27 Miles</i>	Groundtruthed:	<i>No</i>

Drainage and Stream Crossings	<i>None</i>
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i>
Additional details:	<i>On BLM Managed Land.</i>
Connectivity Description:	<i>Connects Segment 15 to Bear Flat, Turner Canyon and Constega Dr which connects to the community of Chilcoot.</i>
Corresponding TFS Maps Page #	14

Segment 45.1 - Crescent Mills to Long Valley Road (BLM)

District/Forest:	<i>Eagle Lake Field Office, BLM</i>	ROS Class:	R
Segment Length:	<i>2.73 Miles</i>	Groundtruthed:	Yes
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Undefined linear archaeological feature (1)</i> 		
Additional details:	<i>None</i>		
Connectivity Description:	<i>Connects the community of Crescent Mills to Segments 45.2 which has connections to Long Valley Road and Round Valley Reservoir.</i>		
Corresponding TFS Maps Page #	45		

2.5 Humboldt-Toiyabe National Forest

There were 18.26 miles of trail identified on the HTNF in the Carson Ranger District. Trail segments existing on HTNF lands bordering TNF were evaluated individually. For the purpose of this study, trail segment ownership was assigned to the land manager with the largest percentage of the specific trail across their district, however this will be determined when evaluated on a project specific level

Segment 15 - Staverville Road to Roberts Canyon

District/Forest:	<i>Carson, HTNF</i>	ROS Class:	<i>RN & SPM</i>
Segment Length:	<i>10.6 Miles</i>	Groundtruthed:	<i>No</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> <i>None</i> 		
Additional details:	<i>Crosses over the forest boundary, the majority of the trail is on Carson Ranger District, HTNF.</i>		
Connectivity Description:	<i>Connections Sierraville Rd to Roberts Canyon and Segment 13 on BLM managed land.</i>		
Corresponding TFS Maps Page #	<i>15</i>		

Segment 21 - Henness Pass Summit to Nevada Border

District/Forest:	<i>Carson, HTNF</i>	ROS Class:	<i>RN & SPM</i>
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Segment Length:	7.66 Miles	Groundtruthed:	Yes
Drainage and Stream Crossings	<i>Crosses through perennial Dog Creek.</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>The Connected Communities Identified Route as part of this study end at the Nevada border, however this segment will connect with the trails identified in the Peavine Connectivity Project.</i>		
Connectivity Description:	<i>Connects East Zone Trails to Dog Valley and Long Valley Rd to the Nevada Border and Peavine Connectivity Project.</i>		
Corresponding TFS Maps Page #	21		

2.6 Other/Private Lands

Segment 45.3 - Crescent Mills to Long Valley Road (Private)

District/Forest:	<i>Mt. Hough, PNF</i>	ROS Class:	<i>RN</i>
Segment Length:	<i>0.14 Miles</i>	Groundtruthed:	<i>Yes</i>
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>Limited Operating Period near western end</i> 		
Additional details:	<i>On privately owned lands, meetings have been held with the land owner in September, 2023 and SBTS has obtained initial support. The family is open to the idea of a recreation trail on their property and excited at the idea of</i>		

	<i>honoring their father with a memorial bench.</i>
Connectivity Description:	<i>Connects to Long Valley Road and Segment 45.2 which has connections to Crescent Mills.</i>
Corresponding TFS Maps Page #	45

Segment 46.2 - Round Valley Reservoir to Greenville (Private)

District/Forest:	<i>Private, Greenville Cemetery District</i>	ROS Class:	R
Segment Length:	<i>0.39 Miles</i>	Groundtruthed:	Yes
Drainage and Stream Crossings	<i>None</i>		
Number and description of resource interactions:	<ul style="list-style-type: none"> • <i>None</i> 		
Additional details:	<i>Meetings have been held with the Greenville Cemetery District and they have given SBTS initial support to pursue this trail segment. It is currently zoned as a Recreation Open-Space and per a phone call on 9/11/2023 with Plumas County Planning Director Tracy Ferguson no special use permit is expected to be necessary.</i>		
Connectivity Description:	<i>Connects to Segment 46.1 (which connects to Round Valley Reservoir) to Greenville.</i>		
Corresponding TFS Maps Page #	46		

4.0 Trail Segment Feedback Discussion

The outreach and survey efforts were used to guide preliminary mapping of the trail alignment, in addition to input from Tahoe, Lassen and Plumas National Forests, Butte County Resource Conservation District and PCTA. This regional expertise allowed for optimal trail alignment that seeks to avoid known natural and cultural resources. Once preliminary corridors were established, Sierra Buttes Trail Stewardship employees conducted field work to ground truth and flag the proposed routes. Through this process, the trail alignment was further refined in order to avoid and protect resources, while creating desirable and world-class recreational opportunities. Trail segments were identified through regional in person planning and several discussions with community members during SBTS open houses, surveys, and outreach.

Detailed preliminary feedback was received from Feather River Land Trust and a joint letter from Friends of Plumas Wilderness, Trout Unlimited Feather River Chapter, and Wildlands Network. While the comments raise concerns for the project, they also provide solutions and suggested adjustments to the CC project Lost Sierra Route alignment and proposed Recreation Zones. SBTS values the feedback provided from these organizations and has used it when considering alignments.

Through the outreach and engagement process with community members, business owners, land managers and tribes, and after verifying the viability of routes in the field, some segments were removed from the Connected Communities Identified Route. These included:

Land Manager	Segment Title	Reasons for Removal
HTNF	Verdi Ridge to Beacon Point	During groundtruthing it was discovered that the trail segment was on terrain that had been previously terraced and overgrown with brush. The segment was removed due to the building and maintenance difficulties associated. A new alignment to the southwest is being evaluated as part of the Sierra Valley Recreation Project; there is also an existing road connection to the East Zone Trail System that could be utilized.
HTNF	Burma Summit	A segment was made to make a connection to an existing road near Burma Summit, it was determined that this road no longer existed and this trail segment was not feasible.
PNF	Claremont	The segment was evaluated in the Claremont Trails Project. There were several resource interactions and steep terrain, community desired roadless areas and private lands prevented any potential realignments. SBTS dropped this segment and instead made this connection through Meadow Valley to La Porte Road, which was also assessed in the Claremont Trails Project.
PNF	Indian Valley Rim Trail to Hungry Creek	The segment was removed due to terrain, constraining private lands and limited access in the case of an emergency. It was determined these concerns would make building and maintaining a trail difficult. No additional connections are needed as the Indian Valley Rim Trail was also dropped.
PNF	Diamond Mountains north	A small portion of this trail segment was removed, due to terrain and brush concerns that would make building and maintaining the trail difficult and make the trail more difficult and less desirable for users.