



Winter 2017 Draft Report

Alignment Proposals for the Inyo National Forest and the Town of Mammoth Lakes

Map ID #W09a

April 11, 2017





**Map ID #W09a Key Agreements
As of April 11, 2017**

- A. Alignment:** This project is intended to improve existing non-motorized opportunities in the meadow, a “stacked-loop” or “nested” trail system with partial grooming will be created to offer multiple route options to a variety of winter users, from the Sherwins Trailhead (Borrow Pit Staging Area), along the base of the Sherwins to the Tamarack Street Trailhead (see Winter Map ID #05c).
- 1. Trailhead and Destination(s):** Sherwins Trailhead (Borrow Pit Staging Area), Tamarack Street Trailhead, the base of the Sherwins, and the Hidden Lake Meadow.
 - 2. Naming:** Sherwins Meadow Loop and Hidden Lake Connector.
 - 3. Control Points/Narrative:** This alignment will follow SHARP ID #S08 (stacked-loop system) and SHARP ID #S07. Snow conditions each season will also inform the number of loops and general alignment of this winter stacked-loop system.
 - 4. Map Reference:** SHARP TTC: Map ID #W09a, 03/15/17
- B. Design Specifications:**
- 1. Trail Type:** Type 2 (Preferred Snowshoe/Hiking)
 - 2. Users:** Non-motorized
 - 3. Width:** Tread 24” to 36”
 - 4. Grade:** Grades may occasionally be steeper than 10%.
 - 5. Surface:** Packed surface or machine groomed corduroy.
 - 6. Features:** None
 - 7. User Experience/Aesthetics:** This trail is intended to improve existing non-motorized opportunities in the meadow (the legacy blue-diamond system, as one example). A “stacked-loop” system will be created to offer multiple route options to a variety of winter users.
 - 8. Trail Amenities:** Trail amenities and facilities will include Blue Diamond Blazes to complement the summer signage for SHARP ID #S08 and SHARP ID #S07 that will likely not be buried in snow during future winters.
- C. Winter/Summer Interface:** Overlaps with SHARP ID #S08, #S07, shares intersections with SHARP ID #18, and will be contingent on the further development and implementation of SHARP ID #S05c (Tamarack Street Trailhead). Summer signage should be placed with consideration for potential winter recreation uses and grooming equipment specifications.
- D. Signage and Wayfinding Special Considerations:** As directed by the *Mammoth Lakes Trail System Wayfinding and Signage Standards Manual*.



TO BE COMPLETED BY AGENCIES/JURISDICTIONS

- A. Environmental Review:** “SHARP Projects – NEPA” as submitted to USFS.
- B. Construction & Maintenance:** Town of Mammoth Lakes under CCS and potentially SUP.
- C. Funding Considerations & Ownership:** Funding construction through Measure R and MLTS Trail Facilities Construction Reserve Account; ownership via USFS with maintenance provided by the MLTS.
- D. Cost Estimator:**

Total Length of New Trail (Feet)	20,896 feet
Groomed/Ungroomed?	Groomed
Estimated Cost per Hour	\$35.00
Groom Time (Minutes)	240 Minutes
# Times Groomed/Week	5 Times
Time per Week (Minutes)	1,200 Minutes
# Weeks per Grooming Season	13 Weeks
Estimated # Hrs per Season	260 Hours
Total Estimated Cost Per Season	\$9,100
Type of Amenity	Blue Diamond Blazes
# of Amenities	50
Cost per Amenity	\$25/25 blazes
Total Cost of Amenities	\$50
Rehabilitation Cost	TBD
Total Cost Estimate for SHARP #W09a	\$9,150






- a. **Total Length of New Trail (Feet):** 20,896 feet
- b. **Total Estimated Grooming Cost/Hour:** The trail will be groomed at a rate of approximately \$35/hr.
- c. **Estimated Cost of Amenities:** Amenities will be limited to approximately 50 Blue Diamond Blazes (\$25 for 25 diamonds).
- d. **Rehabilitation Cost Estimate:** TBD
- e. **First-Guess Cost Estimate:** \$9,150
 - i. **Preferred Alignment:** \$9,150
 - ii. **Alternative Alignment:** TBD
- E. Other Special Considerations:** Final decision and placement of groomed or packed non-motorized trails will be dependent on the Inyo National Forest OSV NEPA decision.

SHARP TTC: Map ID #W09a




CONCEPT: Non-motorized stacked-loop trail system in the meadow. Articulate a stacked-loop trail system from the borrow pit staging area (see Winter Map ID #1), along the base of the Sherwins to the Tamarack Street trailhead (see Winter Map ID #5c), and back to the borrow pit staging area. Facilities will include signage and some maintenance; a specific grooming program will be developed to provide a quality experience for multiple uses, which may include separate trails or delineation as appropriate. The westernmost loop is intended to be left ungroomed, while the section connecting the borrow pit staging area and the Tamarack Street trailhead is intended to be groomed. This system will be aligned, if possible, over the summertime system (see Summer Map ID #8) and will be open to non-motorized use only. This system will be contained within the developed recreation area described in Winter Map ID #18 and will provide connectivity to the Lakes Basin via the connector described in Winter Map ID #7.

Map draft date: 03/15/17

Legend

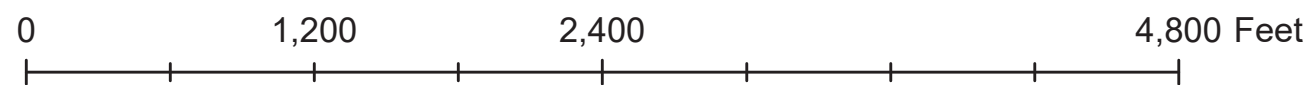
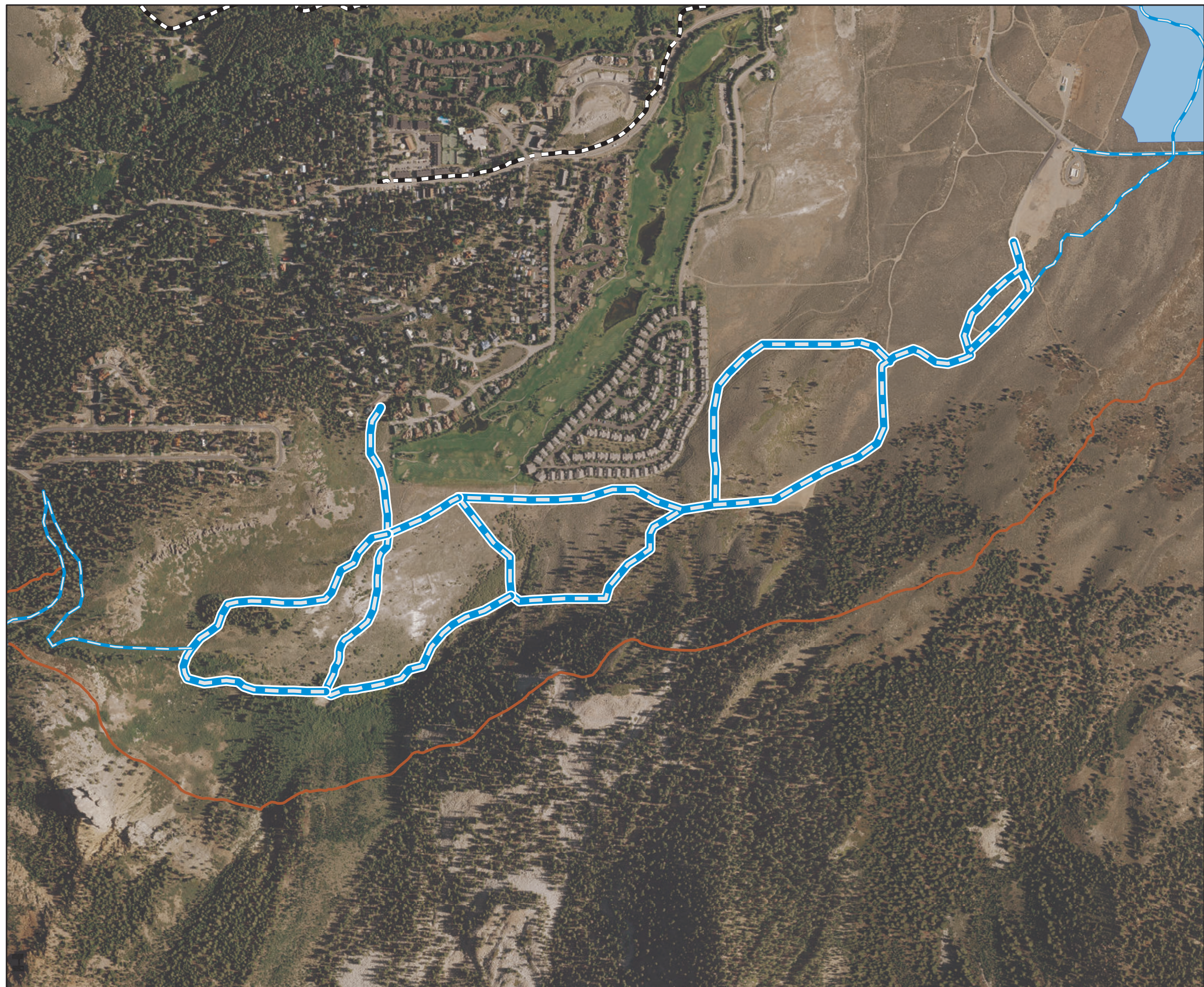
-  SHARP TTC Trail Alignments
-  SHARP Proposed Trails
-  INF Trails
-  MUPS
-  SHARP Proposed Off Leash Dog Area

10 ft Contours

-  Contour Line, Intermediate
-  Contour Line, Major
-  Contour Line, Minor

SHARP TTC

- The SHARP TTC is committed to staying true to the original wording and intent of the SHARP proposals, as crafted by the Sherwins Working Group, and will therefore not revisit or revise any part of any recommendation unless warranted by agency sideboards or other opportunities or constraints as identified by land management agencies such as the INF.
- This map is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.





**Project Cover Sheet:
Map ID #W09a**

SHARP CONCEPT	<p>Non-motorized stacked-loop trail system in the meadow.</p> <p>Articulate a stacked-loop trail system from the Borrow Pit Staging Area (see Winter Map ID #01), along the base of the Sherwins to the Tamarack Street Trailhead (see Winter Map ID #05c), and back to the Borrow Pit Staging Area. Facilities will include signage and some maintenance; a specific grooming program will be developed to provide a quality experience for multiple uses, which may include separate trails or delineation as appropriate. The westernmost loop is intended to be left ungroomed, while the section connecting the Borrow Pit Staging Area and the Tamarack Street Trailhead is intended to be groomed. This system will be aligned, if possible, over the summertime system (see Summer Map ID #08) and will be open to non-motorized use only. This system will be contained within the developed recreation area described in Winter Map ID #18 and will provide connectivity to the Lakes Basin via the connector described in Winter Map ID #07.</p>
SHARP RATIONALE	<p>To improve the existing non-motorized opportunities in the meadow (the legacy blue-diamond signage system, as one example), a “stacked-loop” or “nested” trail system with partial grooming will be created to offer multiple route options to a variety of winter users, including a quality groomed cross-country skiing experience. The primary section of trail (aligned over the multi-use path, or MUP, identified in Summer Map ID #07), out from which the smaller nested loops will branch, will connect to the access points identified in Winter Map ID #05a (formal non-motorized access/egress point at Snowcreek VIII), #05b (formal non-motorized access/egress point at the Snowcreek golf course), and #05c (non-motorized trailhead at Tamarack Street), providing consistent and easy access/egress across the area to the loop system, the Borrow Pit Staging Area, and points of connection farther north and east. Grooming will provide a packed surface for dog-walkers, snowshoers, pedestrians, cross-country skiers, and others and will allow these users a lengthy maintained-route option. Leaving the western loop ungroomed (but signed) will provide an option for those seeking a more “wild” or “natural” experience.</p>
RELATED PROJECTS	<p>SHARP project ID W01 - See the SHARP Winter Proposal for details. SHARP project ID W05b - See the SHARP Winter Proposal for details. SHARP project ID W05c - See the SHARP Winter Proposal for details. SHARP project ID W18 - See the SHARP Winter Proposal for details. SHARP project ID S07 - See the SHARP Summer Proposal for details. SHARP project ID S08 - See the SHARP Summer Proposal for details.</p>
WORKFLOW CHECKLIST TASK	DATE COMPLETED
Group overview in-house meeting to present work plan and desired deliverables	January 2017 - March 2017
Group overview field trip and technical analysis in-house	January 2017 - March 2017
Drafting/staking	January 2017 - March 2017
Technical review field trip	None
Draft revision	January 2017 - March 2017



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Final review meeting	March 16, 2017
Presentation to USFS	None
AGENCY SIDEBOARDS	None
DESIRED OUTSIDE PARTICIPANTS	Town of Mammoth Lakes, and Inyo National Forest.
ENVIRONMENTAL REVIEW	SHARP Projects NEPA
OTHER NOTES	None
PARTICIPANTS	2017 Participants: Joel Rathje, John Wentworth, Andrew Mulford, and Kelly Workman.