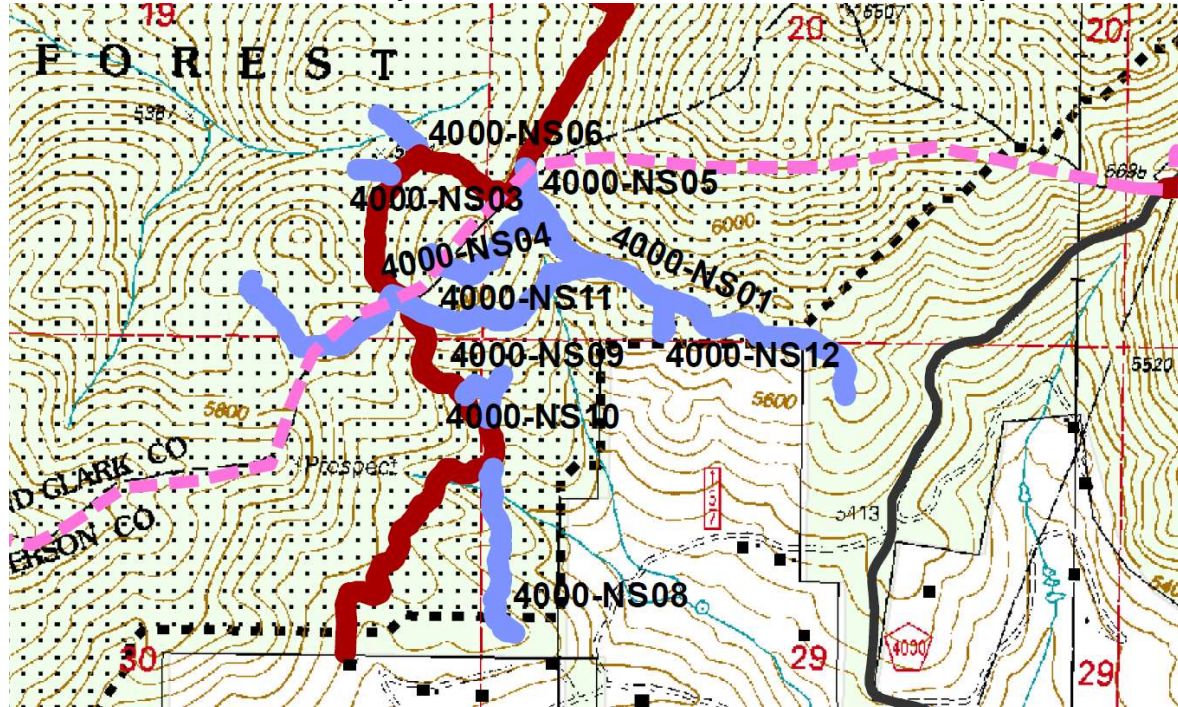


## Report A: 4000-001 South

4000-001 is shown in red on the *Alternative 4 Transportation, Trails, and Road Closure Obliteration* map. Because of its length and the number of spurs, it was divided in half. South 4000-001 extends from the Travis Creek-Colorado Gulch pass where NS01 ends in Section 20, near the boundary with Section 19. 4000-001 is not a forest system road.

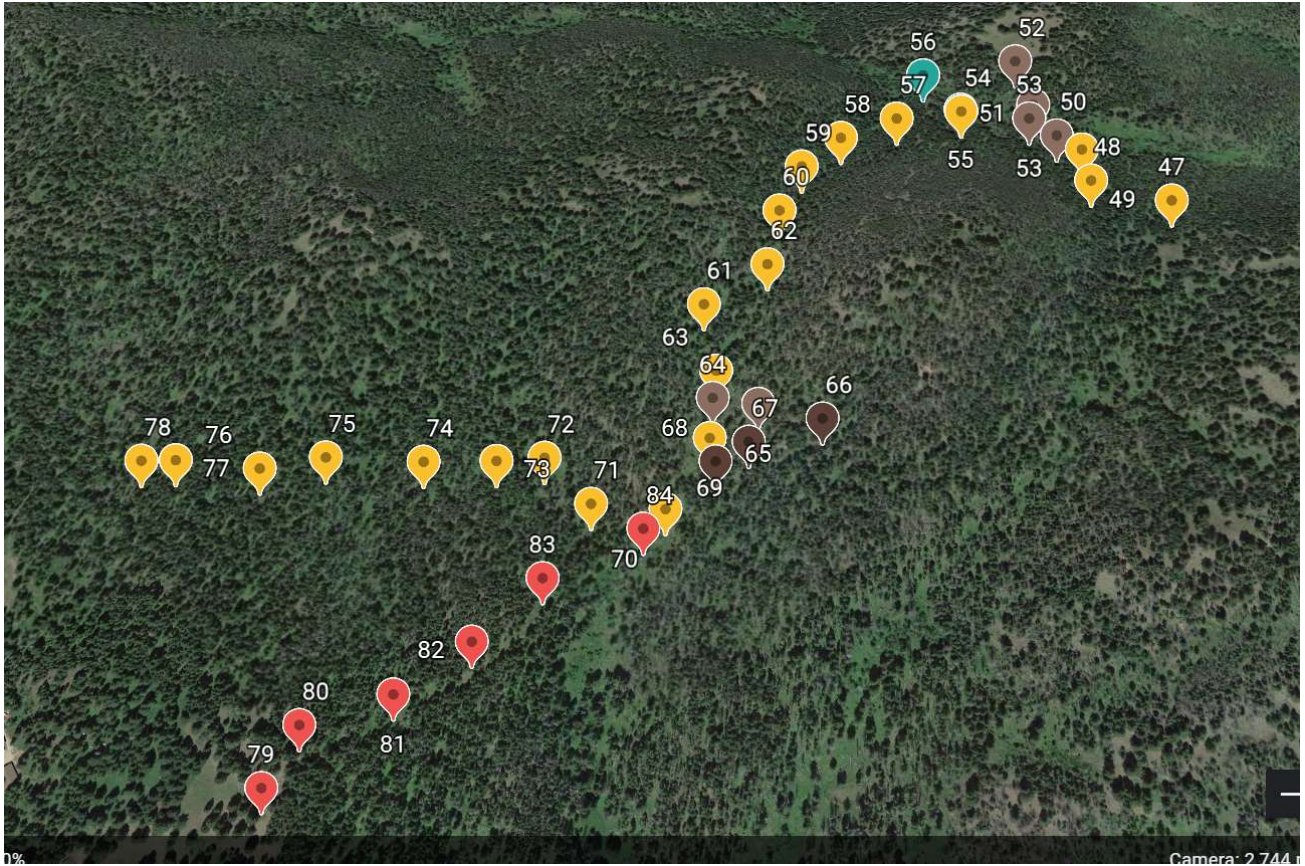


Yellow waypoints. Spur “roads” are in other colors. 4000-001 does not exist on the Forest Service inventory of roads (Helena National Forest Roads Report, 2004), as a system, non-system or otherwise designated road.

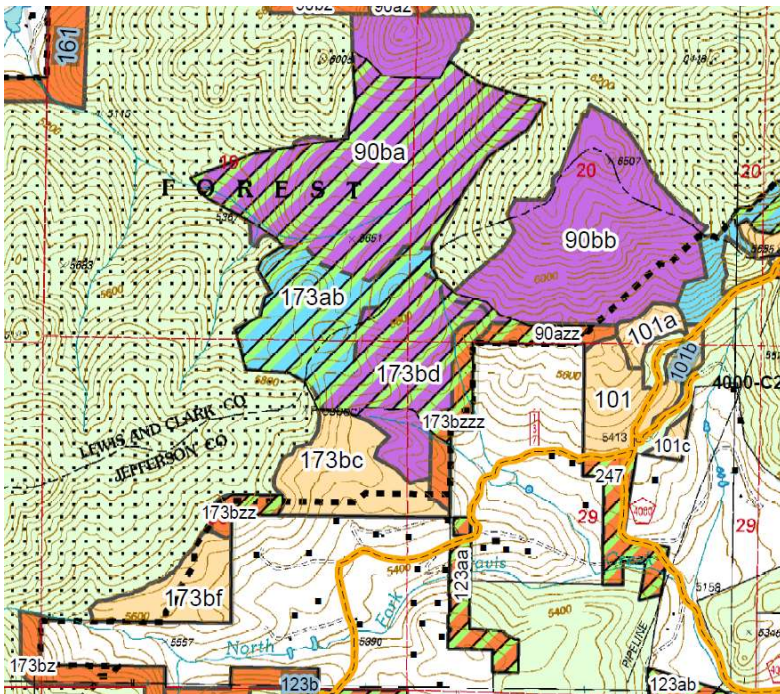
The South half of 4000-001 extends from the divide between Travis Creek, Colorado Gulch, and Nelson Gulch to the private land boundary on the North Fork of Travis Creek. This was the direction in which photos and waypoints were documented.

This report (Report A) addresses the main road, 4000-001 South.

Most of its short spurs are addressed in Report E, however two long spurs, 4000-NS01 (Report C) and 4000-NS04 (Report D) are in their own separate reports.



Map above is oriented with north to the upper right.



In Addition to Harvest Units, Planned Areas of Mechanized Treatment (generally, slopes less than 35%)

All of the proposed Vegetation Management units in screen shot to left would be serviced by 4000-001 (south). All units with diagonal slashing would be mechanically treated and contracts allow for possibility of live tree removal.

30 photos were taken, but redundant so not all presented, though all are available.



WAYPOINT 047 Junction 4000-001 with 4000-NS01 at Travis-Colorado-Nelson Divide.



WAYPOINT 048      4000-001.48 Old road bed. Tape = 3'. WNW 25% slope



WAYPOINT 048      4000-001.48b 180° looking back up trail



WAYPOINT 049 4000-001.49 Tape = 3' Junction with NS06. SW 10% slope. Complete ground cover. No bare ground.



WAYPOINT 049 4000-001.49b 180° in reverse direction looking up to SSE. 25% slope  
**4000-NS06 veers to the west after this waypoint.**



WAYPOINT 054 4000-001 Junction with NS03. Tape = 3'. Conifers growing in old bed. South aspect. <10% slope

**4000-NS03 leave 4000-001 at this point, going west.**



WAYPOINT 057 4000-001 Tape = 3'. Seedling conifers and grass growing in trail. SW aspect. Gentle slope.



WAYPOINT 058 4000-001 Tape = 3'. South aspect. Gentle slope. Kinnikinick, Oregon grape, Doug-fir seedlings growing in trail.



WAYPOINT 059 4000-001 Tape = 3'. No bare ground – duff and vegetative cover. ESE aspect. Gentle slope. Still on the Colorado Gulch side of the Divide.



WAYPOINT 060 4000-001 Tape = 3'. Just crossed over to the Travis Creek side of the divide. SE aspect. Gentle slope, but route drops down the drainage. Many large Doug-fir.



WAYPOINT 062 4000-001 Tape = 3' on log. Waypoints 62 and 61 reversed because I had to return for this waypoint after forgetting to do so earlier. Old revegetated road bed. Chessman Ditch can be seen on either side of the log, extending across center of photo.



WAYPOINT 061 4000-001 Tape = 3'. Old road bed about 6' wide, substantial downfall to this point. Many elk pellet groups throughout the area.



WAYPOINT 063 4000-001 No Tape because at the waypoint site there was a sea of downfall, so I was standing on logs about 5 feet above the ground.



Panorama from Waypoint 63 from northwest to northeast.



WAYPOINT 069 4000-001 Tape = 3' on downfall ESE aspect. 10-15% slope. 25 yards to Junction with NS09.



WAYPOINT 070 4000-001 Tape = 3'. SE aspect 15% slope. Vertical orange stripe denotes unit 173bd boundary.



WAYPOINT 071 4000-001 Junction with 4000-NS08 nearby. SW aspect. 15% slope. At edge of 173bc unit.



WAYPOINT 072 4000-001 Tape = 3'. No road bed. Smell of elk strong. W aspect. Flat.



WAYPOINT 073 4000-001 Elk rub on lodgepole – upper left. Orange vertical stripes on tree in center right indicates harvest unit boundary.



WAYPOINT 074 4000-001 Tape = 3'. Could not find old road bed. SSW aspect. 10% slope



WAYPOINT 075 4000-001 No road bed. SSE aspect. Trees are marked.



WAYPOINT 076 4000-001 Tape = 3' but no road bed. Open forest stand with marked trees. W aspect. Flat.



WAYPOINT 077 4000-001 Tape = 3' but no road bed. A metal cylinder hung from a tree at this location. An ancient cut log covered in moss.



WAYPOINT 078 4000-001 Approaching house with green metal roof. SSE aspect. 5-10% slope.

**WAYPOINTS for 4000-001 South May 4, 2020 – Gayle Joslin**

WAYPOINT,047,46.51799083,-112.14441427,04-MAY-20 16:17,  
WAYPOINT,048,46.51762068,-112.14549252,04-MAY-20 16:24,  
WAYPOINT,049,46.51814640,-112.14630255,04-MAY-20 16:32,  
WAYPOINT,054,46.51789963,-112.14851805,04-MAY-20 18:06,  
WAYPOINT,057,46.51710570,-112.14897403,04-MAY-20 18:33,  
WAYPOINT,058,46.51627421,-112.14901694,04-MAY-20 18:37,  
WAYPOINT,059,46.51551783,-112.14875408,04-MAY-20 18:44,  
WAYPOINT,060,46.51480973,-112.14806744,04-MAY-20 18:50,  
WAYPOINT,061,46.51343644,-112.14738079,04-MAY-20 19:13,  
WAYPOINT,062,46.51426256,-112.14735934,04-MAY-20 19:22,  
WAYPOINT,063,46.51302874,-112.14632400,04-MAY-20 19:40,  
WAYPOINT,069,46.51248693,-112.14549252,04-MAY-20 21:17,  
WAYPOINT,070,46.51170909,-112.14498826,04-MAY-20 21:24,  
WAYPOINT,071,46.51121020,-112.14568027,04-MAY-20 21:32,  
WAYPOINT,072,46.51117802,-112.14662977,4-MAY-20 21:43,  
WAYPOINT,073,46.51077032,-112.14695700,04-MAY-20 21:53,  
WAYPOINT,074,46.51021779,-112.14747199,04-MAY-20 22:17,  
WAYPOINT,075,46.50953114,-112.14806744,04-MAY-20 22:36,  
WAYPOINT,076,46.50898397,-112.14859315,04-MAY-20 22:41,  
WAYPOINT,077,46.50842071,-112.14946219,04-MAY-20 22:47,  
WAYPOINT,078,46.50817931,-112.14977869,04-MAY-20 22:54,

Field Form 4000-001 South

4000-001 SOUTH

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTION/RD CLOSURE MAP							Technician: Gayle Joslin Pg 1 of 2		
Route Location: Jctn of N504 Park - Colorado Hwy							Route# (from map): 4000-001 South		
Date: May 4, 2020							Time Out: 9:25		
GPS Model/ID: Garmin XL12							Datum: WGS 84		
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns							Waypoint every 300'		
Field Tools: GPS, map, camera, tape measure, clip board, field forms, compass, pencils, batteries, personal gear (sunglasses, hat)							T = Turn		
Time	Wpt	Steps	Photo#	Description (of photo)	Comment	Aspect	Width'	Slope	Lat-Long/UTM
10:18	47	0	1	T Road sign of Ingers park	No Trail	SSW	Park	5%	46° 31' 04.8" 112 08 39.9
24	48	0	2	T Grass Duff DF OTL	old Rd Bed - down fall	WNW	Forest	25%	03.4 43.8
28	1	0	3	- 180° T w/ dead leaves to rt	ORB - slow. Back	ESE	Forest	"	? ?
32	49	0	4	T Jctn w/ NS06 Kelly help Kim Deen	ORB - Small part of Jctn	SW	Park	10%	05.3 46.7
38	1	0	5	- ↑ Lots down fall on route 180°	ORB	SSE	Forest	20%	
DID NS06 HERE [upts 50, 51, 52]									
11:57	50	0	6	T At car to go to south grass	W	ORB		10%	46° 31' 05.9" 112 08 51.4
12:03	54	0	7	T LP + DF on RT JCTN CO RAMP	ORB NBG	S		10	04.3 54.8
180° Hanging Dead - walk in by tree ORB Duff									
DID NS03 - CO RAMP GULCH HERE wpts 55, 56									
12:34	57	0	8	T Cut lup in trail	ORB DF seedling grass	SW			46° 31' 01.6" 112 08 56.3"
38	58	0	9	T Limby LP across rd	NBG DUFF ORB Kimi grass	S		gentle	30 58.6 56.5
44	59	0	10	T Hanging LP to LA across rd	NBG DUFF ORB Kimi grass	ESE		gentle	30 55.9 55.5
49	60	0	11	T 2 OTL 1 ORB NO RB	DF dead shrubbery	SE		gentle	53.3 53.0
just over post by 40 steps Dropping into Travis (MUNCH)									
1:05	62	110	12	T Cross the Christmas Ditch	2' long across ORB	JE	ORB NBG	30	51.3 50.5
12	61	0	13	T CTR - PP used by Orange Kimi	Drift in distance	E	ORB NBG	5	30 48.4 50.6
(Forgot to go at Chas. Ditch so went back to 61 + 62 about of order)									
1:40	63	0	14	NONE SEA of Downfall	FOX - du? in ditch?	SOT	ORB NBG	25%	46.9 46.8
DP 4-8' LP 10-12' lots DF dead									
3 ppm Stamens on log 5' off ground get photo									
[NS10 + NS09]									
69	0	1	15	T on log lots seedling LP PP DF	Downfall	ESE	ORB NBG	10-15	46° 30' 45.0" 112 08 43.8"
30' more steps to Jctn NS09									
70	0	1	16	T Vertical Strip on RT	PP LP, DF seedling	SE	ORB NBG	15	42.2 42.0
Kimi grass									
NS08 Jctn									
71	0	1	17	T Tap on log 5 down trees on rt	Center of Orange	SW	ORB NBG	15	40.4 44.4
she 17bc lots regen LP DF Kimi - lost then found									
72	0	1	18	T Tap in shadow	DF	W	ORB NBG	<5	40.2 47.9

4000-001 South

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTION/RD CLOSURE MAP							Technician: Gayle Joslin		
Route Location: NFX TRAVIS Units 173							Route# (from map):		
Date: May 4, 2020							Time Out:		
GPS Model/ID: Garmin XL12							Datum: WGS 84		
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns							Waypoint every 300'		
Field Tools: GPS, map, camera, tape measure, clip board, field forms, compass, pencils, batteries, personal gear (sunglasses, hat)							Pg 2 of 2		
Time	Wpt	Steps	Photo#	Description (of photo)	Comment	Aspect	Width'	Slope	Lat-Long/UTM
3:52	73	0	1	T up Elk Rub LP, 40ft OTR	Orange, Kimi grass	S	ORB	25%	46° 30' 38.8" 112 08 49.0
4:16	74	0	1	T difficulty finding ORB - essentially invisible	(low point in middle)	SSW	NO	10	36.8 50.9
4:39	75	0	1	T on Log Regen DF	Canex	SSE	NO RB		34.3 53.0
4:42	76	0	1	T Open Forest OTR, L wagon?		S	NO RB	Flat	32.3 54.9
4:48	77	0	1	T OLD cut log covered in moss	Hanging Tube	W	NO RB	10	30.3 58.1
LOTS of marked trees									
2+3 tube - near post prop can see house									
4:54	78	0	1	No Tape House w/ Green roof in background	OTR + background - Buffer	SSE	NO RB	5-10	29.4 59.2
END									

**WAYPOINTS for 4000-001 May 4, 2020**

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