

Report E: 4000-NS Spurs: 03, 05, 06, 08, 09, 10, 11, 12

No weeds were observed on these surveys. All of these spurs occur within proposed Vegetation Management Units. All are naturally obliterated. There is no need to obliterate these “roads” as nature has very effectively achieved reclamation. These reclaimed “roads” should not be disturbed to achieve an obliteration tally that would be used to offset the building of new temporary roads, or to access timber sale or vegetation manipulation units because use would create damage by pressing them back into service, thus reconstructing roads in IRAs.

Existing National Forest Transportation *System* road? [Matt – Yes/No and explain]

Will road be added to National Forest Transportation System during project, as per Tenmile project ROD?

Will road be used by mechanized equipment as per Tenmile project ROD? Yes [Matt - explain, if possible]

Purpose of the road as per Tenmile project ROD:

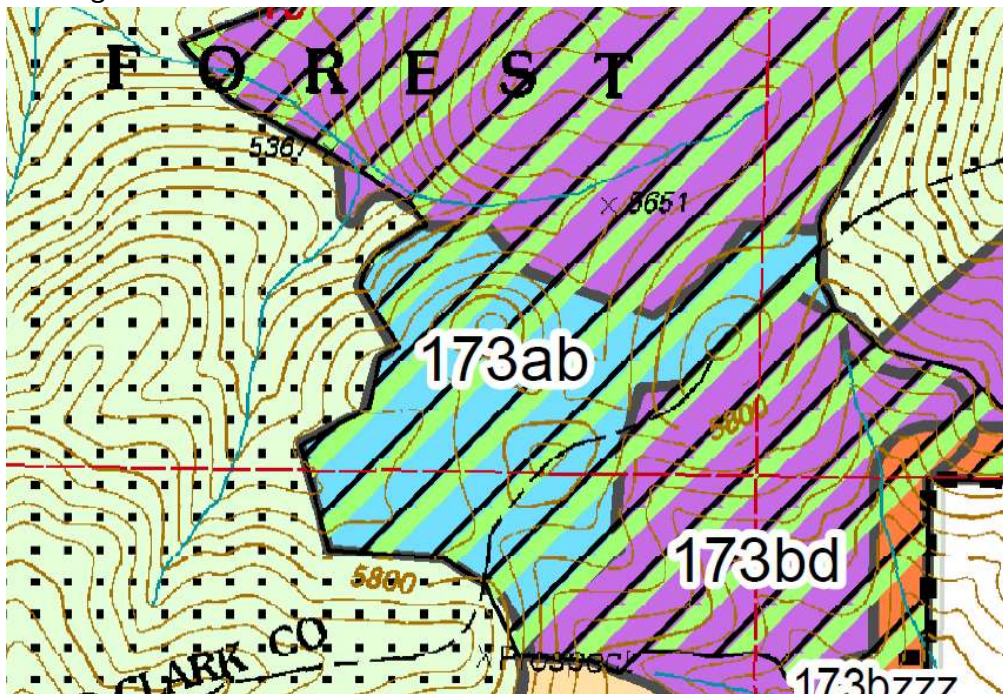
[Matt – i.e., to access units ** which include ** and will entail **.]

Closure method proposed for road after project complete as per Tenmile ROD: [Matt – explain obliteration etc.. and what that entails/other info. from record etc..]

4000-NS03 Two teal colored waypoints.



4000-NS03 Colorado Gulch – Although the very old Colorado Gulch road continues down to the bottom of Colorado Gulch, the Forest Service Alternative 4 Obliteration map shows only this 112 yard segment being obliterated, even though the “road” is naturally reclaimed and an existing trail is covered in downfall.



NS03 occurs within Vegetation Unit 173ab.



Waypoint 55 Tape = 3'. Old compacted road. Revegetating with grass and conifer saplings. West aspect. Gentle slope.



Waypoint 56 End of Waypoint 56 NS03 on Forest Service obliteration map, but old trail extends steeply down to the bottom of Colorado Gulch. Tape = 3' set on downed log. West Aspect Much downfall. Aspen and Black Mountain in background.



180° looking back on NS03 from waypoint 56. Road is already impassable.

Field Form 4000-NS03

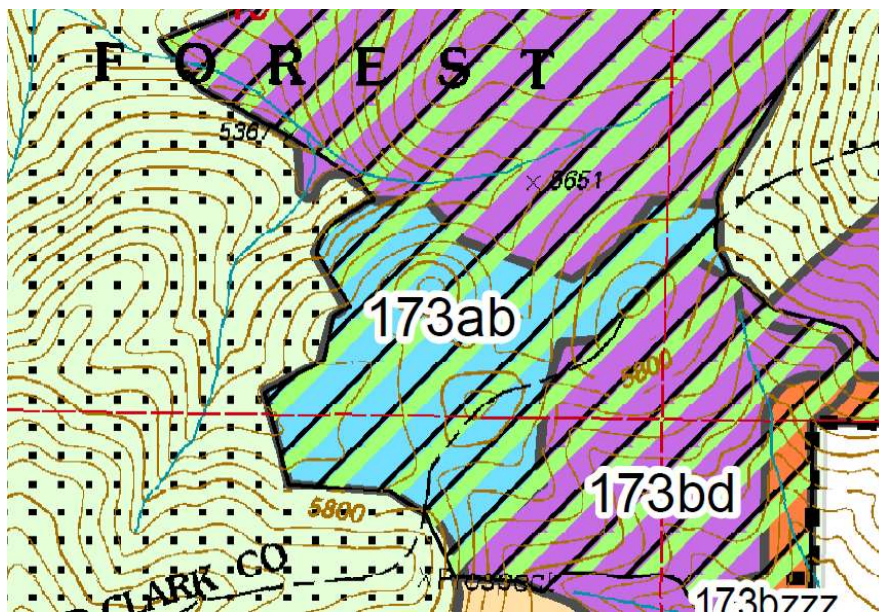
4000-NS03 Colorado Gulch

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTATION/ROAD CLOSURE MAP										Technician: Gayle Jordan	
Route Location: COLORADO GULCH TRAIL				Route# (from map): 4000-NS03				Waypoint every 300'		Pg 1 of 1	
Date: May 4, 2020		Time Out: 12:15		Time In: 12:30		Duration: 15 min.		Waypoint every 300'		Pg 1 of 1	
GPS Model/ID: Garmin XL 13		Datum: WGS 84		GPS position (UTM/hdms): 4000-NS03		Waypoint every 300'		Pg 1 of 1		Pg 1 of 1	
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns											
Field Tools: GPS, map, camera, clip board, field forms, compass, pencils, batteries, personal gear (sunglasses, hat)											
Time	Wpt	Steps	Photo#	Description (of photo)	Comment	Aspect	Width'	Slope	Water	Lat-Long/UTM	
12:13	55	0	1	Point W/ 4000-001 LP = P1 trail on E. L/10 FT		W	0.6	10	-	46° 31' 04.3" 12° 08' 54.8"	
12:22	56	135	2	Backwards down trail on W - ASPEN + BIRCH in back		W	0.6	15		05.5 89.7	
			3	Trail in middle of Colorado Gulch. Diff in road 1/2 mile		E	0.6				
<p>Trail extends steeply down Colorado Gulch beyond this point. Trail is obliterated by down-fall</p>											

4000-NS05 Two orange waypoints.



4000-NS05 ORANGE A short 125 meters segment (0.07 mi) off of 4000-NS01 (Blue), with 4000-NS11 (Green) taking off to the lower left. NS05 parallels 4000-001 (blue). It is a vague overgrown old road bed running southeast-northwest. It occurs within proposed Vegetation Unit173bd.





Waypoint 12. Tape = 5' Barely visible road bed with saplings growing. SE aspect. Gentle slope.





Waypoint 13 Tape = 6'. SE aspect. Gentle slope. NS01 Junction in background at about 80'.

Field Form 4000-NS05

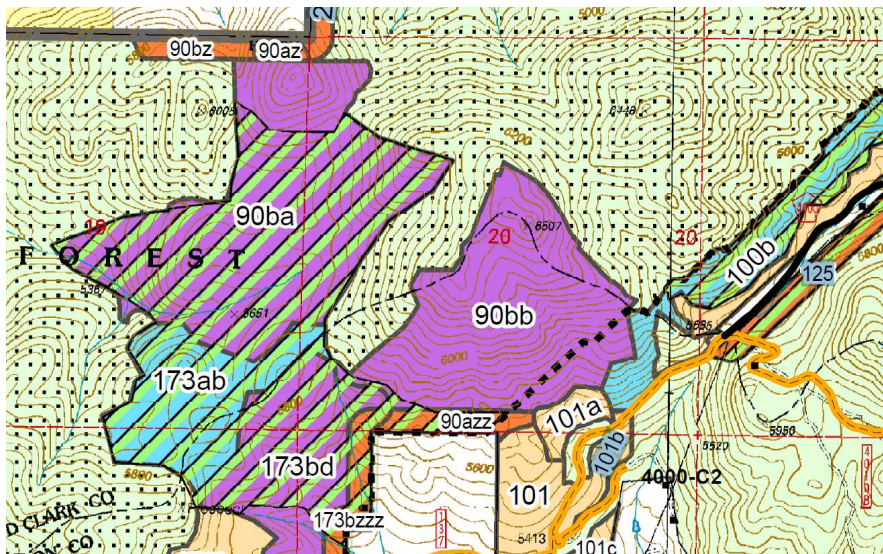
4000-NS05

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTION/RD CLOSURE MAP										
Route Location: Travis Colorado Pines from N to S			Route# (from map): 4000-NS05 (Lazyman) or Jericho (circle)							
Date: APRIL 28, 2020		Time Out: 12:40	Time In: 1:00 PM	Duration: 20 minutes	Technician: Gayle Joslin			Pg of .		
GPS Model/ID: GARMIN XL12 (GARMIN 12852)		Datum: WGS 84		Waypoint every 300		Slope: flat, moderate, steep				
Comments: Eg. Improvements needed for heavy equipment? Big rocks, Tree removal, Side slope (vehicle would roll), Sharp turns NBG = NO BARE GROUND ANYWHERE										
Field Tools: GPS, map, camera, clip board, field forms, yard-stick, compass, pencils, personal gear (sunglasses, hat)										
Time	Waypoint	Photo#	Description (of photo)	Rd-bed/trail/nothing	Aspect	Width-ft	Slope	Passable?	Water	Comments
44	12	1	Barely visible rd. Trees	OLD RD BED	SE	5' TAPE	G↓	N	N	Trees growing in tracks
45	11	2	Juniper Smothered Downlog	"	SE	"	G↓	N	N	"
47	1	3	LP Juniper, Rocks Debris	"	SE	"	G↓	N	N	"
49	13	4	Kinnikinnick scrubby	ELK PELLETS NO bare ground	SE	6' TAPE	G↓	N	N	NS01 JCTN in background = 320' END ROUTE
<p>Length of 4000-NS05 = 152 steps = 370' or 23 yards</p> <p style="margin-left: 100px;"> $\begin{array}{r} 2.5 \\ \times 148 \\ \hline 370 \end{array}$ </p> <p>25' = 10 steps = 2.5'/step</p> <p style="margin-left: 100px;"> $\begin{array}{r} 304 \\ + 66 \\ \hline 370 \end{array}$ </p>										
125.07 m										

4000-NS06 (tan waypoints) Barely discernable old road bed visible at waypoint 50-51 but not across drainage or at waypoint 52.



NS06 would access Vegetation Harvest Unit 90ba which calls for “In addition to Harvest Units, Planned Areas of Mechanized Treatment (generally slopes less than 35%)”



- Low Severity Prescribed Fire
- Precommercial Thin
- Private Land Buffers
- Regeneration Harvest
- Shaded Fuel Break
- In Addition to Harvest Units, Planned Areas of Mechanized Treatment (generally, slopes less than 35%)



Waypoint 50. NS06.50 Very Vague old road. Huge Doug-fir on left.



50b 180° looking back to 4000-001 where old, revegetated road bed is 7 feet wide. East aspect. 15% slope



Waypoint 51 Tape to 3 feet. Creek crossing ahead. NW aspect. 10% slope. Open Doug-fir.



51b 180° looking back up. Tape = 3 feet. Downfall. SE aspect. 15% slope. No bare ground.



51c At 52 yards further is the wetlands/creek.



52a Tape = 3 feet. No trail. West aspect. Gentle Slope



WAYPOINT 052b Looking back ESE aspect. Route to be obliterated extends across the center of photo.



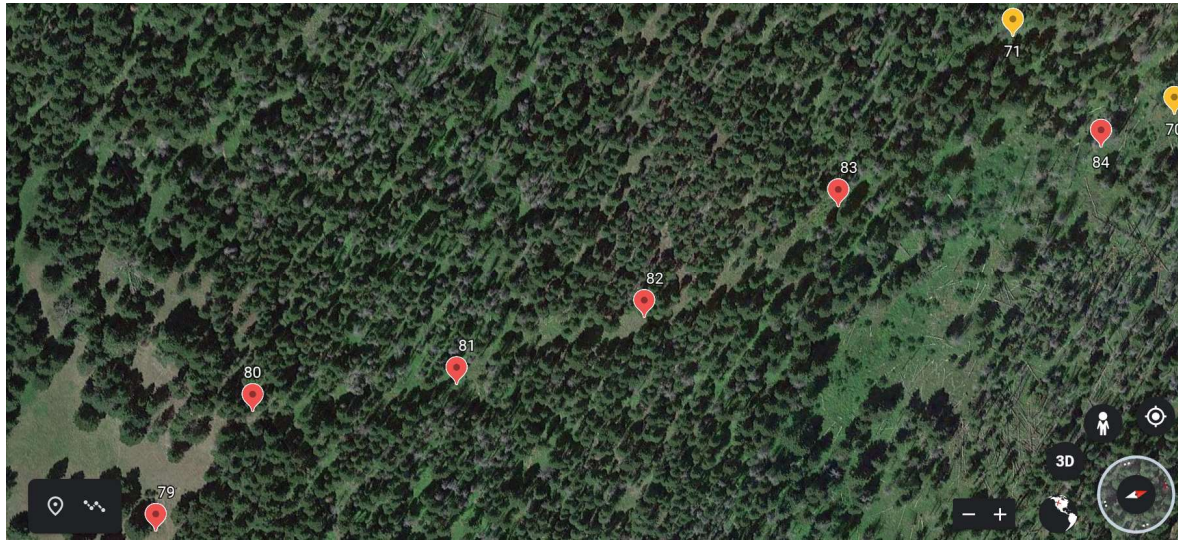
Abundant elk sign. Heavily used by elk, moose, and deer.

Field Form 4000-NS06

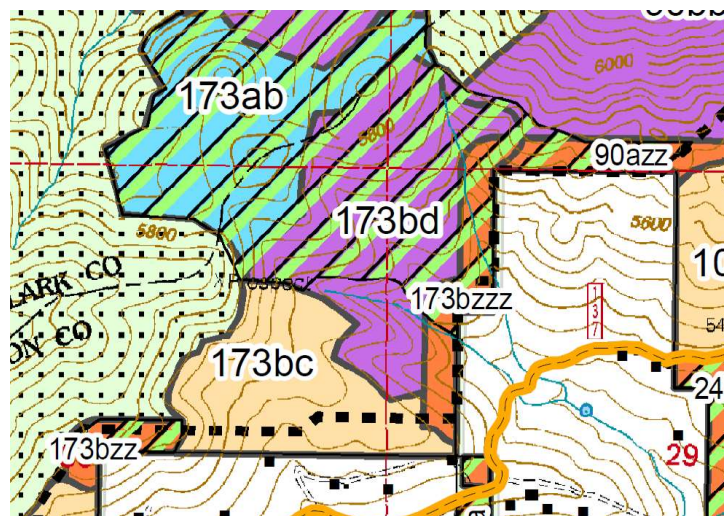
4000-NS06

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTION/RD CLOSURE MAP										Technician:	
Route Location: Colorado Gulch into China Gulch							Route# (from map): 400-150			Lazyman Jericho (circle)	
Date: May 04 2020		Time Out: 10:00		Time In: 11:42		Duration: 1:42 min		Waypoint every 300'		Pg 1 of 1	
GPS Model/ID: Garmin x 612		Datum: NAD 83		GPS position (UTM/hdms): 4000-NS06							
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns											
Field Tools: GPS, map, camera, clip board, field forms, compass, pencils, batteries, personal gear (sunglasses, hat)											
Time	Wpt	Steps	Photo#	Description (of photo)	Comment	Aspect	Width'	Slope	Water	Lat Long/UTM	
10:04	51	0	1	T Jctn of Downfall road	North side of road to	NW	-	15	-	46° 31' 05.5"	112° 08' 48.8"
		0	2	look ↑ 001 180°	High Fir Center	E	7'	15	-		
11	51	0	3	OPEN TIMBER Downfall	Cr Crossing area	NW		10	-	09.1	52.6
11	1	0	4	Downfall ↑ 180°		SE	Trail	15	-		
18	1	63	5	Bog standing water	"China Gulch"	W	No Tr	gentle	YES		
24	52	0	6	X Loop down Kinge Knick		"			-	09.2"	56.9
24	1	0	7	180° to Bog - Tr on other side	downfall in distance	ESE			-		
27	53	35	8	rich meadow near	Lots ELK sign	"			Forest	05.9	51.4"
27	1	35	9	180° toward Bog & Downfall		E			Forest	END	
					No marked trees						
					ORIS - Trail ended at Bog						
					A LOT of ELK sign here & particularly around Bog.						
					Deer sign						
					moose sign Have seen moose at Bog right here in past.						

4000-NS08 Red waypoints 79 – 84 intersect with 4000-001 (yellow). North to right.



NS08 splits from 4000-001 on the Section 29-30 boundary through proposed Vegetation Management units 173bd, 173bzzz. Natural recovery is rehabilitating this old road. There is no bare ground and abundant vegetation is growing in its bed as well as being blocked by significant downfall between waypoints 82 and 83.



Panorama from southwest to northwest of landscape at the beginning of NS08. Large ponderosa pine grassland savanna hillside. Occurs in proposed Vegetation management unit 173bd.



WAYPOINT 079 4000-NS08 Tape = 3'. Grass covers road bed, swings to left and drops steeply.. East aspect. 5% slope.



WAYPOINT 080 4000-NS08 Straight, old road bed goes to mining claim. N aspect. 30% slope. No bare ground. Tape = 3'.



WAYPOINT 081 4000-NS08 Steep old road bed with sections of extensive downfall. Tape = 3'



WAYPOINT 082 4000-NS08 Tape = 3'. Grass covered road bed. Many elk pellets. N aspect. 45% slope



WAYPOINT 082b 4000-NS08 Elk rubs on lodgepole in center of road bed. Much regeneration. 45% slope



WAYPOINT 083 4000-NS08 Tape = 3'. NW aspect. Doug-fir and lodgepole regeneration. NW aspect. 45% slope



WAYPOINT 084 4000-NS08 Tape = 3'. Junction of 4000-NS08 with 4000-001. N aspect.



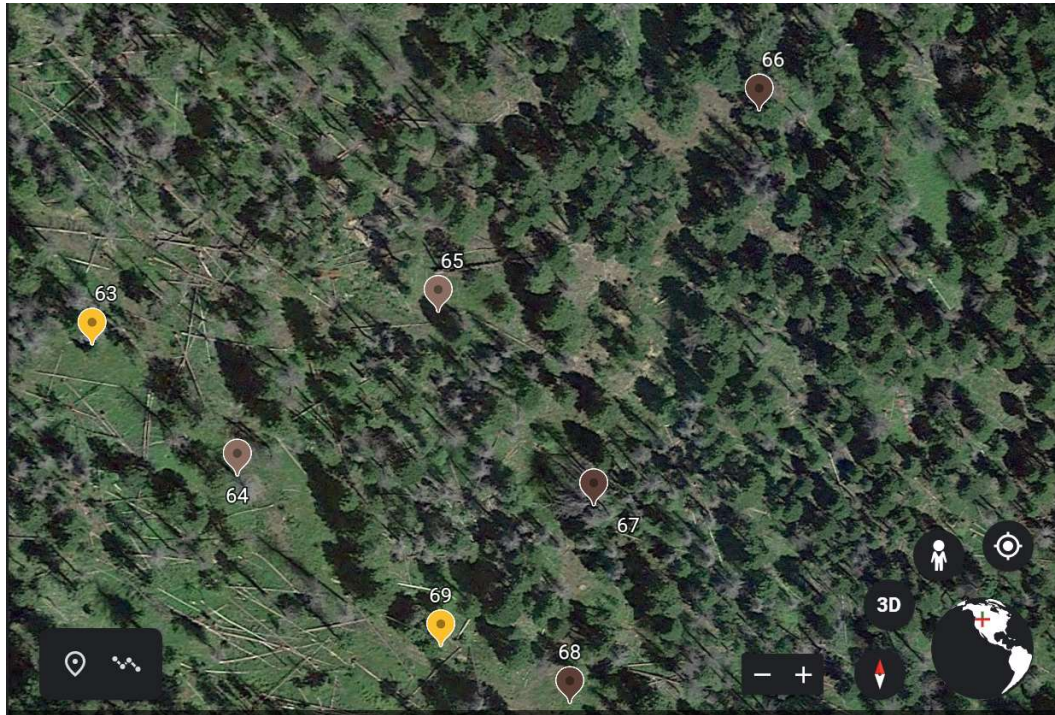
WAYPOINT 084b 4000-NS08 Wet meadow. No road bed in this section. S aspect.

Field form 4000-NS08

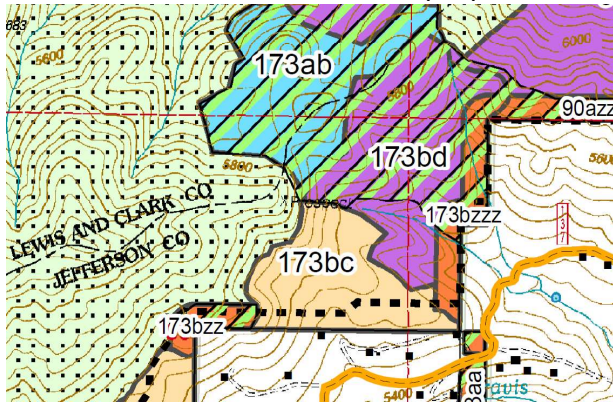
4000-NS08

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSM PROJECT TRANSPORTATION/RD CLOSURE MAP						Technician: <u>GAVLE JOSLIN</u>		
Route Location: <u>NEK TRAVIS</u>			Route# (from map):			<u>Lazyman</u> <u>Jericho</u> (circle)		
Date:	Time Out:	Time In:	Duration:	Waypoint every 300'	Pg <u>1</u> of <u>1</u>			
GPS Model/ID:	Datum:	GPS position (UTM/hdms):						
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns								
Field Tools: GPS, map, camera, tape measure, clip board, field forms, compass, pencils, batteries, personal gear (sunglasses, hat)								
Time	Wpt	Steps	Photo#	Description (of photo)	Comment	Aspect	Width' Slope	Lat-Long/UTM
				Expect this route won't be here as it does not follow contours, but cuts straight across				
5:17	79	1	1	behind heater into shade down ridge	grass	E	15	46° 38' 27.3" 12° 08' 49.0"
5:20	>	2	2	180° Regem LP PF grass	Old mine site marking	E	Top of knob	
5:29	80	1	1	4000-NS08-PANO previous LP PF grass Big DF				
3:31	81	1	1	in sun + Shannon Mts to E. Ignifall distant		N	seamless dam	29.0 41.7
5:40	82	1	1	Tim down fall 3/4' above ground	Regem DF 5' +	NW	30 sheep	31.7 41.0
		1	1	grass	walk pellets	N	4500 streptocoid	34.5 41.2
		100	2	walk sub trail LP, pellets	Loft's regem DFw	N		? ?
4:43	83	0	1	Regem DFw	RAFL-30'	NW		37.5 42.2
4:44	84	0	1	ICTM w/4000-NS08 swath		N		41.2 41.8
		0	2	no road bed in meadow but would need to cross meadow to get to area just where rd bed that's	wet meadow	S	NO EG wet	
END-NS08								

4000-NS09 and 4000-NS10



4000-NS09 (brown) (.08 mi) North Fork Travis Creek. NS09 goes to an old mining claim at waypoint 66. 4000-NS10 (tan) is a short segment that almost connects with NS10. The “roads” are in the center of proposed harvest and burn Unit 173bd.





Waypoint 64 NS10 Tape to 3' Barely visible old road bed. NE Aspect. <10% slope.



Waypoint 65 NS10 is about 175 feet in length. And filled with seedling/saplings of Lodgepole pine and Douglas fir. Looking back along NS10



Waypoint 66 NS09 comes off 4000-001 further down the slope than NS10. This photo was taken from the upper end of the route, from which I walked back to the junction of 4000-001.



No road bed but many young trees.
Tape = 3'.
South aspect.
Flat.

This is the site of an old mine claim with a metal monument "M173 #7"
Elk rubs have killed the red saplings in the upper left of photo



Waypoint 67 Tape = 3' South aspect 15-20% slope.



Waypoint 68 End of NS10. Indistinct, overgrown road bed. South aspect.

Field Form – 4000-NS09

4000-NS09

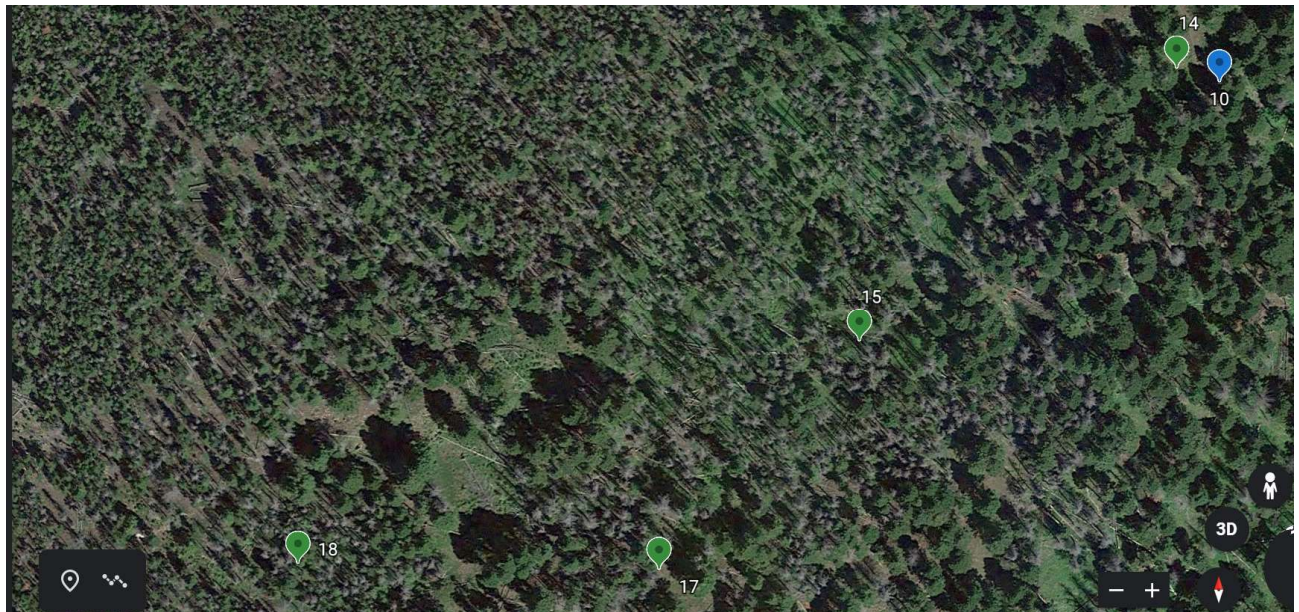
HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTATION/RD CLOSURE MAP							Technician: <u>Gayle Joslin</u>			
Route Location: <u>Spur off 4000-001 South</u>			Route# (from map): <u>4000-NS09</u>		Waypoint every 300'			Pg <u>1</u> of <u>1</u>		
Date: <u>May 4 2020</u>		Time Out: <u>2:30</u>	Time In:	Duration:	Waypoint every 300'		Pg <u>1</u> of <u>1</u>			
GPS Model/ID: <u>Garmin XL12</u>		Datum: <u>WGS 84</u>	GPS position (UTM/hdms): <u>440000m 55.6</u>							
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns										
Field Tools: <u>GPS, map, camera, tape measure, clip board, field forms, compass, pencils, batteries, personal gear (sunglasses, hat)</u>										
Time	Wpt	Steps	Photo#	Description (of photo)	Comment	Aspect	Width'	Slope	Water	Lat-Long/UTM
				40 Steps to E of NS 10 is NS09. Old mine claim at the end in metal pipe in ground "M173 #2" photo						
				Short segment - started at far end & walked back to 4000-001.						
2:50	66			1 T seedling 100 Elk rubs 20T- pellets		S		Flat		46°20'48.5 112°08'41.0
				2 Elk rubs on seedling tape on left		SE				
				3 mine claim cap						
2:40				4 " " w/ clipboard - pack in backpack		NE				
47	67			1 T LP + PP in ORB/ORB	Red leaning DF DF	S	ORB	15-20		45.9 42.4
				2 180° Sheep gradient	Jumbled downhill	NNW		15-20		
2:55	68	55		1 T END JCTN 4000-001 Both ORB = blocked by down		S		10		44.6 42.6
3:00				2 T 180° LP PP DF seedling log across NS10		N				
				Now Hiked back to Jctn NS10 + 001.						
				Route took fr 4000-001 to NS10 to its end then 40 steps E to NS09 then down NS09 to 4000-001 then back up to where PAND at wpt 68 taken then resume South along 4000-001						

Field Form – 4000-NS10

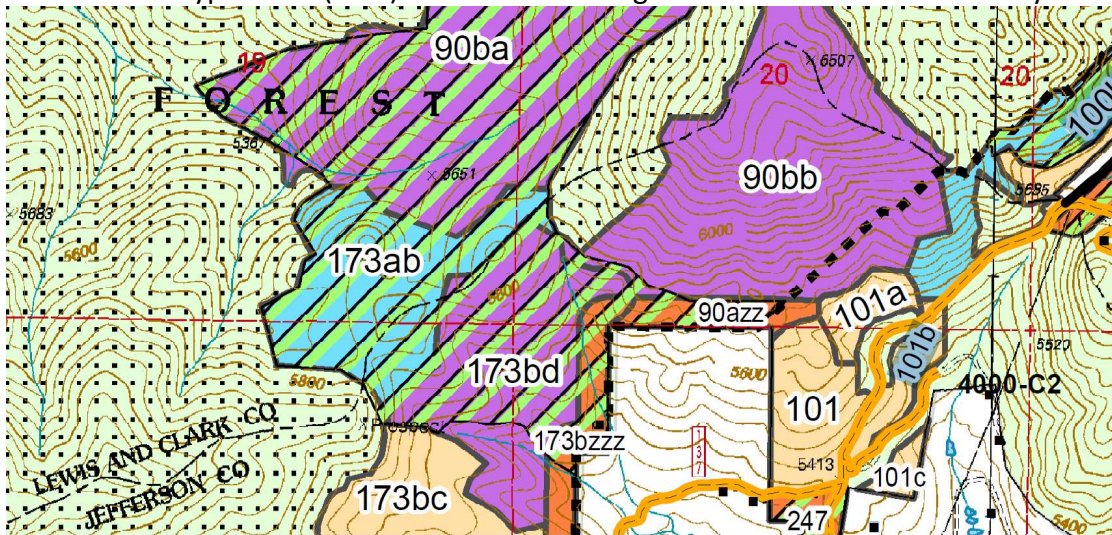
4000-NS10

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTATION/RD CLOSURE MAP							Technician: <u>Gayle Joslin</u>			
Route Location: <u>Upper NE Trunk</u>			Route# (from map):		Waypoint every 300'			Pg <u>1</u> of <u>1</u>		
Date: <u>May 4 2020</u>		Time Out: <u>1:52</u>	Time In: <u>2:20</u>	Duration: <u>18 min</u>	Waypoint every 300'		Pg <u>1</u> of <u>1</u>			
GPS Model/ID: <u>Garmin XL12</u>		Datum: <u>WGS 84</u>	GPS position (UTM/hdms): <u>440000m 55.5</u>							
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns										
Field Tools: <u>GPS, map, camera, clip board, field forms, compass, pencils, batteries, personal gear (sunglasses, hat)</u>										
Time	Wpt	Steps	Photo#	Description (of photo)	Comment	Aspect	Width'	Slope	Water	Lat-Long/UTM
1:52	64	0		1 T DF w/ white stripe ORB	DF seed kiwi grass	NE	ORB	<10	-	46°20'46.1 112°08'45.6
				ORB #16 JCTN 4000-001						barely visible
				On Allen Byrd map NS9 is below in elevation NS10 (higher on hill)						
				NS10 is very short						
2:20	65	70	2 photo	End of ORB filled w/ LP + DF seedling		WNW	ORB	10	-	47.1 43.8
				Rocks seem to mark end of ORB						
				This photo looks back along ORB						
				Arrived Kiwi Carpet grass						
				Very short segment barely visible, filled in w/ DF LP seedling						

4000-NS11



4000-NS11 (green) Over the Bucket Loop – North Fork of Travis Creek. NS11 comes off 4000-NS01 near waypoint 10 (blue). NS11 runs through 173bd and ends at boundary with 173ab.





Waypoint 14 Tape = 6 feet. NS11 comes off NS01 with a vague road bed. SW aspect. Gentle slope



55 paces Massive downfall.No Road bed. SW aspect. Gentle



Waypoint 15 Tape = 3' S aspect. Moderate slope. Seedling/saplings in vague road bed.



Waypoint 17 Tape = 3' heavy grass cover. No road bed, barely a trail. SE aspect. Flat slope.



Waypoint 18 Tape = 3'. SW aspect. Gentle slope. NO road bed. Markings indicate edge of cutting unit 173bd and 173ab.

Field Form 4000-NS11

4000-NS11

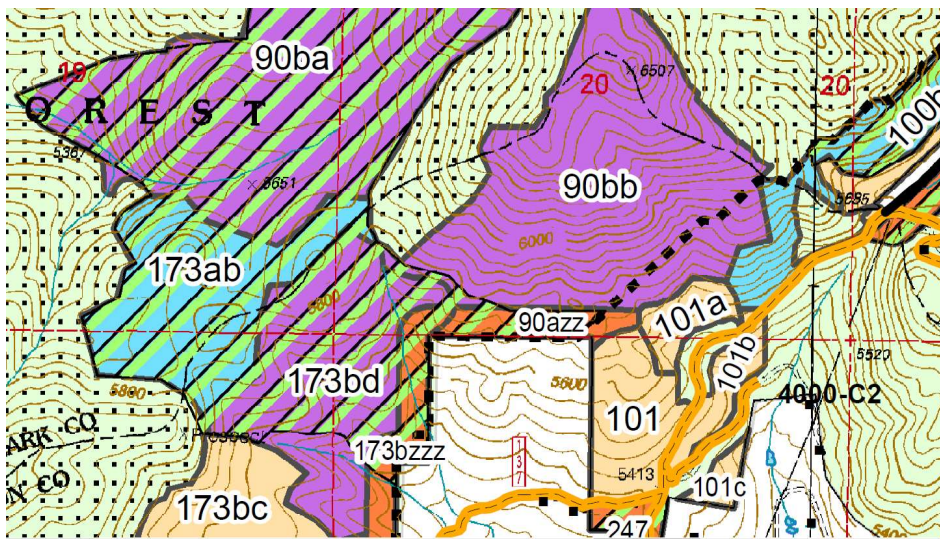
HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORT/RD CLOSURE MAP										
Route Location: Travis-Colorado Over Bucket Loop Knob				Route# (from map): 4000 NS11 (Lazyman) or Jericho (circle)						
Date: 4-28-2020		Time Out: 1:05		Time In: 2:30		Duration: 1 hr 25 min		Technician: Gayle Joslin Pg 1 of 1		
GPS Model/ID: Garmin XLR			Datum: WGS84		Waypoint every 300'		[Slope: flat, moderate, steep]			
Comments: Eg: Improvements needed for heavy equipment? Big rocks; Tree removal; Side slope (vehicle would roll); Sharp turns										
Field Tools: GPS, map, camera, clip board, field forms, yard stick, compass, pencils, personal gear (sunglasses, hat) NO BARE GROUND anywhere										
Time	Waypoint	Photo#	Description (of photo)	Rd bed/trail/nothing	Aspect	Width-ft	Slope	Passable?	Water	Comments
1:05	14	1	Grain Duff Snowberry DF	VAGUE rd bed	SW	6'	GT	Y	N	Jctn w/ 4000-NS01e STALL ON
		2	LOTS DOWNFALL	"	SW		GT	N	N	
		3	MASSIVE DOWNFALL	NO RD BED	SW					
		4	DOWNFALL	"	SW	0	M	N	N	
2:15	15	5	DOWNFALL many small trees	3' TAPE	S	0	MT	N	N (Grass)	
		6	180° to N (behind rock)	"	N	0				
		7	DOWNFALL !!!	"	S	0	MT	N	N	
1:40	17	8	Wanagoch's PP live Downfall	NO RD	SE	0	F	N	N	major new vegetation ELK PELLETS in Bear grass
		9	180° to NW DOWNFALL	NO RD	NW	0	F	N	N	
50	18	10	2.4 acre Grassy DF	DELETE	W	0	F	N	N	ELK PELLETS S Decid (NOT THU, PINE) (NOT LOG)
2:10		11	150° Small park	"	E					
		12	Hundreds small DF	NO RD	W	0	F	N	N	Back on route ELK PELLETS
		13	180 to E partly	NO RD	E					
2:20	18	14	Corner of unit	NARD, 3' TAPE	NW	0	GV	N	N	END ROUTE 4000-NS11 on top of Bucket Loop Knob
2:20		15	180 to SE DF	NO RD	SE	0	GV	N	N	
		16	RED MTN From Bucket Loop Knob							About 900' = 300 YDS But had to climb over deep down fall, so some inaccuracy in length of stride.
907 m from Feature Rd to Park jctn w/ 4000-001										

4000-NS12



4000-NS12 (yellow) is a short 75 yard segment coming off of 4000-NS01 (blue) at about a 90° angle.

Tree with orange vertical paint and blue flagging in next photo seems to mark the boundary between vegetation unit 90bb and 90azz. 4000-NS12, although naturally reclaimed appears to be intended to access these units.





Waypoint 45 Looking at entrance to NS12, perpendicular to 4000-NS01 which runs from left to right through center of photo.



NS12 is completely, naturally reclaimed. South aspect. Very steep slope coming down from 4000-NS01 to the ditch – 50%.



Waypoint 46 Tape = 3' Standing on Chessman Ditch SW aspect



Panorama SW to NW with Chessman Ditch in Center.

Field Form 4000-NS12

4000-NS12

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORT/RD CLOSURE MAP										
Route Location:			Route# (from map):			(Lazyman) or Jericho (circle)				
Date: 4-30-2008	Time Out: 5:15	Time In: 5:40	Duration: 25 min	Technician: Garry Joerin		Pg 1 of 1.				
GPS Model/ID: Garmin XLV2		Position: mm, ss S	Datum: WGS 84	Waypoint every 300'		Slope: flat, moderate, steep				
Comments: Eg: Improvements needed for heavy equipment? Big rocks, Tree removal, Side slope (vehicle would roll); Sharp turns										
Field Tools: GPS, map, camera, clip board, field forms, yard stick, compass, pencils, personal gear (sunglasses, hat)										
Time	Waypoint	Photo#	Description (of photo)	Red bed/trail/nothing	Aspect	Width-ft	Slope	Possible?	Water	Comments
5:15	45	1	phone							46°30'54.4" 112°08'21.5"
		2	blue ribbon tent 0.5m, p. BT look across		S	10'	15	N		08 21.5
		3	4000-NS01 to Ken's rocks PP downhill							
		4	Same closer							
		5	Sheep gradient downhill		S	8'	50%	N		
		6	10 Sheep "30ft" W78 TIRING VIEW		S	9'	50%	N		
	46	5	Star die on view RED MTN VIEW		SW					46°30'51.8" 112°08'22.1"
		6	Very steep downhill (P) MARKING OF STEEP RE.		NW					got this wgt on 5/4/2000 as 62.00
		7	Plan 0 from 0.1 to 0.5 Red mtn - check 0.1 to 0.5		SE-NW		50%			take it on 4/30.