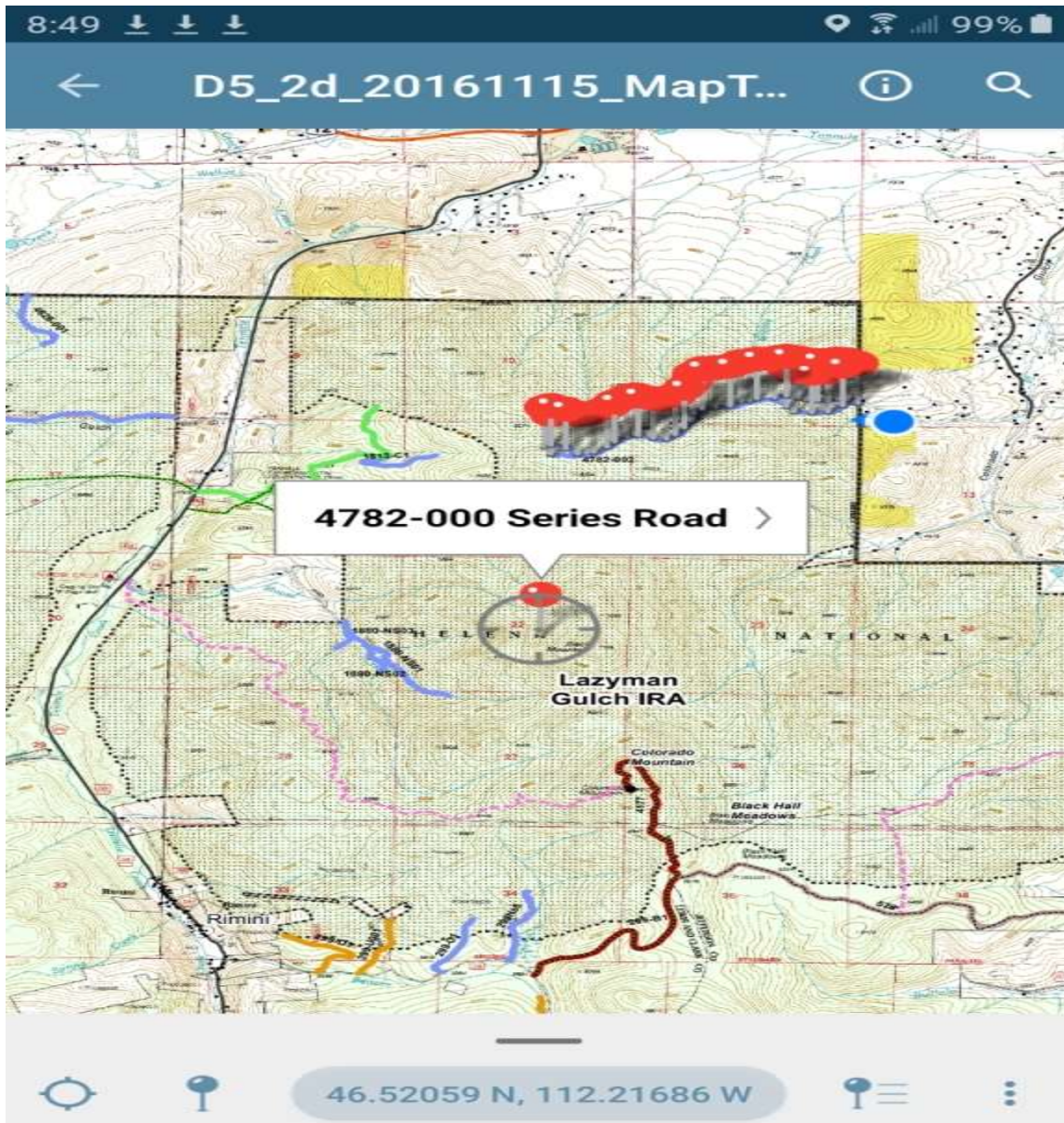


4782-000 Series Road, North Lazyman Inventoried Roadless Area.

**4782-000 Road series was completed in two surveys on two different days, April 28<sup>th</sup> and May 4<sup>th</sup>, 2020. Surveyor Doug Powell**

**I started next to the Forest boundary and completed 4782-003 North and South branch on April 28<sup>th</sup>. I completed 4782-001 and 4782-002 on May 4<sup>th</sup>.**

North



4782-000 Series Road, North Lazyman Inventoried Roadless Area.

North



## North Lazyman Road Segment 4782-003 April 28<sup>th</sup>, 2020

4782-003 is a parallel route consisting of a Haul Route, on the north branch, (top) and an obliteration route on the south branch,(bottom). 4782-003 is the Eastern section of the 4782-000 series. 4782-003 begins near a private residence constructed on the Forest boundary. 4782-003 north branch is listed as a haul road on the TSH ROD Veg Treatment map. I started at waypoint 001 walked the North Haul road to waypoint eight and then back to Waypoint 001 on the south branch.

The North branch 4782-003 Haul route (Waypoint 001 to waypoint 008)

North



I started at waypoint 001 and walked the loop counter clockwise back to waypoint 001

4782-000 Series Road, North Lazyman Inventoried Roadless Area.

North



4782-000 Series Road, North Lazyman Inventoried Roadless Area.

**METHODS:**

I used Avenza mapping application with a georeferenced USFS PDF map of the 4782-000 road series to follow the route. The 4782-003 parallel Road was documented by a photo every 100 yards from start to finish. This report includes a Latitude and Longitude position for each waypoint cross referenced with Avenza map position and corresponding photo.

Google Earth was used to map waypoints on a 3-dimensional satellite image of the road route and surrounding terrain.

Waypoints were taken approximately every 100 yards using a Garmin GPS with a distance measuring function. 14 waypoints and 14 photos were taken and filed. At least one photo for each waypoint is displayed. Tape measure set at three feet for reference in photos.

4782-000 series road is not part of the current transportation system.

4782-003 North side is listed as a haul road.

Name of Surveyor: Doug Powell  
Date(s) surveyed: April 28, 2020  
GPS Model: Garmin etrex 20x  
Datum: WGS84  
GPS Position Format: hddd.dddd dgrees

Mapping Apps: Avenza was used to follow geo-referenced FS Tenmile-South Helena Project Alternative 4 Transportation, Trails, and Road Closure/Obliteration map (D5\_2d\_20161115\_MapTenmileALT4Transport)

Google Earth 3D waypoint map

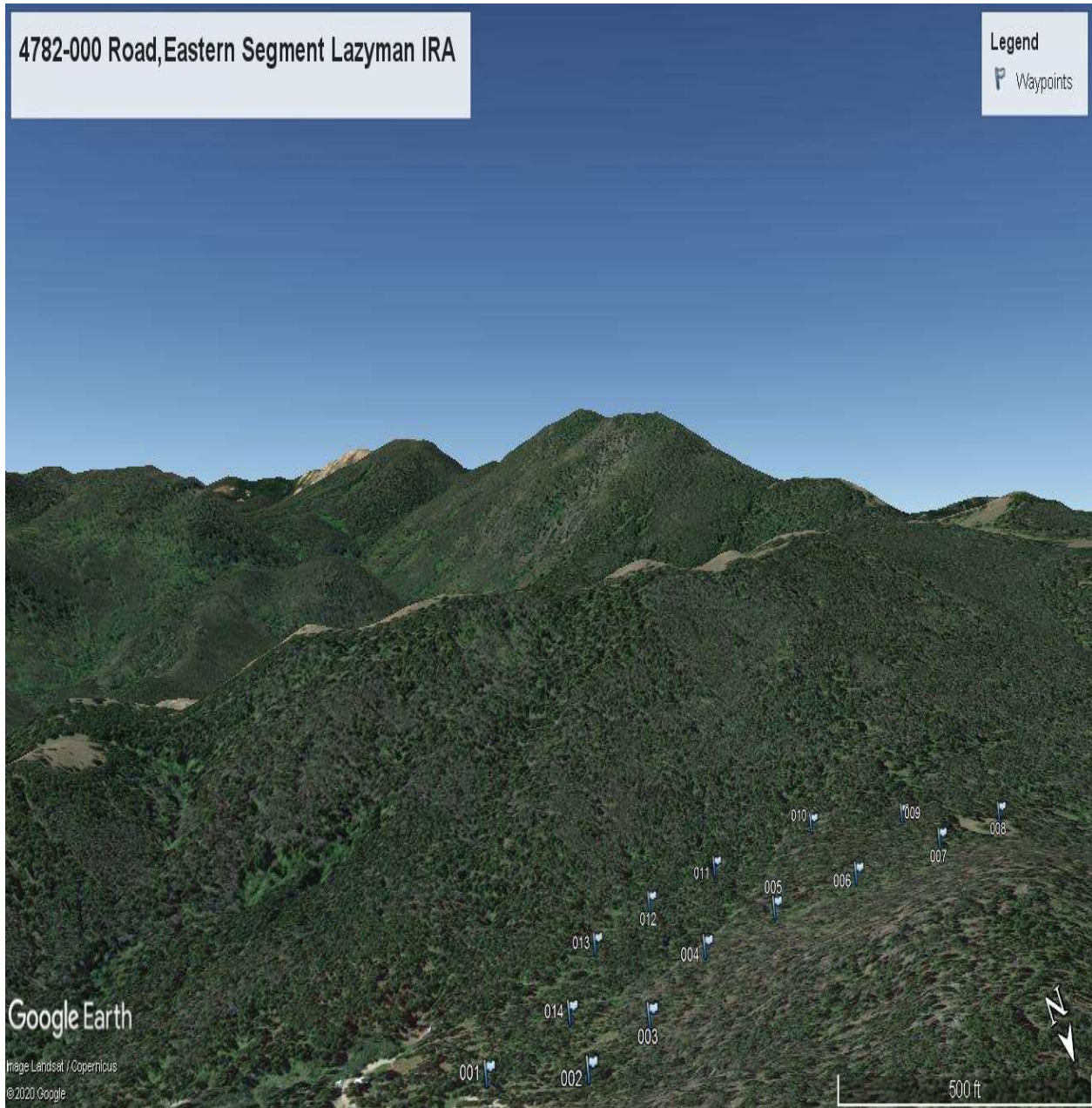
Time spent: 2hrs. 20 minutes in field, document 6 hours Total 8hrs twenty minutes

Survey Document includes narrative, waypoints, and photos.

Road 4782-003 is a trail that is predominantly 24-36 inches wide, and a faint wider bed visible at a distance in some places. Bed is completely overgrown with native vegetation and covered with top soil in most places. Landscape consists of large granite boulders, areas of Ponderosa pine and Douglas fir trees with a small opening at the western edge of the road.

Elk, Moose and carnivore sign was evident along the entire route.

### 4782-003 Road



### Beginning of 4782-003 North Lazyman Road

4782-000 Series Road, North Lazyman Inventoried Roadless Area.

### **Start of 4782-003 Road Survey**



**Waypoint 001, 4782-003 Road, Location, 46.545018N, - 112.188019W**

**Photo location is the beginning of 4782-003 Road from the Forest Boundary. (Residence 100 feet to the Northeast), I am walking to the west from waypoint 001 to waypoint 008 and recording a waypoint approximately every 100 yards.**



**Waypoint 002, 4782-003 Road, Location, 46.545692N, - 112.188859W**

**Local Land owner cleared the area of deadfall.**

**North side of 4782-003 is identified as a Haul Route with barrier after cutting project completion.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 003, 4782-003 Road, Location, 46.545515N, - 112.189872W North side, Haul Route  
Resembles a ditch, very steep incline.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 004 4782-003 Road, Location, 46.545206N, - 112.191064W North side, Haul Route.  
Very narrow and steep incline.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 005 4782-003 Road, Location, 46.545149N, - 112.192335W North Side, Haul Route**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 006 4782-003 Road, Location, 46.545484N, - 112.193395W North Side, Haul Route. No observation of road way or trail.**



**Waypoint 007 4782-003 Haul Road, Location, 46.545644N, - 112.194818W North side, Haul Route. No observation of road or trail.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 008 4782-003 Road, 46.545497N, - 112.196425W,**

**End of North Side Haul Route.**

**After completion of the Haul Road Side of 4782-003, I walked to the east on the south side of 4782-003 back to waypoint 001.**



**Waypoint 009 4782-003 Road, 46.545014N, - 112.195084**

**Hikers cleared the south side route.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 010, 4782-003 Road, 46.544323N, - 112.194168**

**Steep descent**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 011, 4782-003 Road, 46.544022N, - 112.192575**

**Route makes a sharp turn to the left.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 012, 4782-003 Road, 46.544048N, -112.191325W**

**Goss Hawk nesting site west of waypoint 012, behind this photo.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 013, 4782-003 Road, 46.544185N, - 112.190261W**



**Waypoint 014, 4782-003 Road, 46.544881N, - 112.189274W**

**Local landowner cleared buffer zone on Forest Boundary. Road bed is six feet wide, note tape measure in photo representing three feet. Next photo is from same waypoint with house in back ground.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 014, 4782-003 Road, 46.544881N 112.189274W,  
House in back ground near where waypoint 001 is located.**

4782-003 Road Field Survey Form

**HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTATION/ROAD CLOSURE MAP**

**Route Location:** *Cowboy Gulch - North Lazyman* **Route# (from map):** 4782-003 **Technician:** *Lazyman* or *Jericho* (circle)

**Date:** 4/28/2020 **Time Out:** 8:10 **Time In:** 11:00 **Duration:** 2h 50m:44s **Waypoint every 300'**

**GPS Model/ID:** *Garmin eTrex 20X* **Datum:** *884* **Sharp turns** (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)

Waypoint	Photo#	Description (of photo)	Rd bed/trail/nothing	Aspect	Width-ft	Slope	Passable?	Comments, wet
8:59	1	Road	7' wide	E	5'	25%	Yes	-
9:00	2	0.7m in. wide house	9' nothing	E	5.6'	10%	Yes	3' clearance by - - - - -
9:11	3	gully 0.7m deep	Ditch - nothing	E	6'	mod. steep	Yes	Minor Ditch
9:20	4	8E 9W 15m/100m - tree removal	trail, 6-3'	E	6'	mod. steep	Yes	Minor Ditch - used for
9:25	5	10m in. - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
9:33	6	12m in. 13' - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
9:45	7	14m in. 13' - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
9:48	8	12m in. 13' - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
9:52	9	10m in. 22m - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
9:57	10	2.3m 28m - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
10:08	11	2.3m 28m - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
10:09	12	2.6m 28m - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable
10:12	13	2.9m 30m - 100m - fire	nothing	E	10'	mod. steep	Yes	NO - Passable

Use of map  
100m scale  
Use of 100m/500'

Old work from 1

cut is it road  
19 impossible

End of 4782-003 April 28<sup>th</sup>, 2020 Survey



4782-000 Series Road, North Lazyman Inventoried Roadless Area.

North



North



## Methods

I used Avenza mapping application with a georeferenced USFS PDF map of the 4782-002 and 4782-001 road to follow the route. The 4782-001 and 4782-002 was surveyed by a photo every 100 yards from start to finish. This report includes a Latitude and Longitude position for each waypoint cross referenced with Avenza map position and corresponding photo.

Google Earth was used to map waypoints on a 3-dimensional satellite image of the road route and surrounding terrain. Map located on page four.

Waypoints were taken approximately every 100 yards using a Garmin GPS with a distance measuring function. At least one photo was taken for each waypoint. For this report, a photo was included for every other waypoint starting at waypoint 15.

Waypoints and photos for survey of 4782-001 and 4782-002 are 15, 17, 19, 21, 23, 25, 27, 27, 31, 33, 35, 36 and 37. Waypoints are approximately 200 yards apart, except end points

Name of Surveyor: Doug Powell

Date(s) surveyed: May 4th, 2020

4782-000 Series Road, North Lazyman Inventoried Roadless Area.

**GPS Model:** Garmin etrex 20x

**Datum:** WGS84

**GPS Position Format:** hddd.dddd dgrees

**Mapping Apps:** Avenza was used to follow geo-referenced FS Tenmile-South Helena Project Alternative 4 Transportation, Trails, and Road Closure/Obliteration map (D5\_2d\_20161115\_MapTenmileALT4Transport)

**Time spent May 4th, 2020 = 6hrs and 35 minutes in field**

**Survey Document includes waypoints, photos, and narrative.**

**Road 4782-001 and 4782-002 are predominantly 24-36 inches wide pathway, and a faint wider bed outline visible at a distance in some places. Bed is completely overgrown and covered with top soil in most places. Landscape consists of moist drainages with numerous small and large meadows at the end of the route on the top of Lazyman Pass. Route was surveyed from east to west.**

**Elk, Moose and carnivore sign was evident along the entire route. A group of thirty elk was observed during the survey.**

**Road is not listed in the current system of roads.**

**Start of Survey 4782-001 and 4782-002**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 015, 4782-001, Road, Location 46.54539N, -112.19724W**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 017, 4782-001 Road, Location 46.54506N, -112.19870W**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 019, 4782-001 Road, Location 46.54439N, -112.20097W**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 021, 4782-001 Road, Location 46.54375N, -112.20306W steep incline**



**Waypoint 023, 4782-001 Road, Location 46.54224N, -112.20384W,**

**Narrow, trees growing in roadway.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 25, 4782-001 Road, Location 46.54096N, -112.20546W**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 27, 4782-001 Road, Location 46.54128N, -112.20802W**

**Hard to locate road on the ground.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 029, 4782-001 Road, Location 46.54116N, -112.20919W**

**No observation of a road way.**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 031, 4782-001 Road, Location 46.54010N, -112.21082W**

**No Sign of Road**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 033, 4782-002 Road, Location 46.53923N, -112.21360W**

**I located roadway from mapping, no sign of roadway on the ground.**



**Waypoint 035, 4782-002 Road, Location 46.54014N, -112.21599W**

**No observation of a road**

4782-000 Series Road, North Lazyman Inventoried Roadless Area.



**Waypoint 036, 4782-002 Road, Location 46.54001N, -112.21656W**

**No observation of Road, end of north leg**



**Waypoint 037, 4782-002 Road, Location 46.53920N, -112.21603W**

**No observation of Road, end of south leg**

Field

HELENA HUNTERS & ANGLERS FIELD ANALYSIS OF TSH PROJECT TRANSPORTION/RD CLOSURE MAP										
Route Location:		COLORADO GUICH North HAZYMAN			Route# (from map):		4782-003			Technician: DOUG POWELL
Date:		5/11/2020		Time Out:		10:10		Time In:		2:45
GPS Model/ID:		Etrex		Datum:		NAD83		GPS position (UTM/Adams):		Photo every 600'
Comments: Egt: 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	S	Photo	Description (of photo)	Line #	Comment	Alt	Aspect	Width	Slope	Water
0:46	15		W. Hill Cr. 1900s road?		-Hand clearing	7'	Flt	5'10"		
1:09	16		W. Hill Cr. 1900s road?		-Hand clearing	7'	Flt	5'10"		
1:15	17		W. Hill Cr. 1900s road?		-Hand clearing	7'	Flt	5'10"		
1:23	18		Dead Red 1/2 way R8 - Willow		Dead Red	6'	E	30'	15	
1:34	19		For Forest, Elk trail		Dead Red	6'	E	30'	15	
1:39	20		Rezebeck track Elk trail		Dead Red	6'	E	30'	15	
1:50	21		opening up trail		Dead Red	6'	E	30'	15	
1:56	22		opening up trail		Dead Red	6'	E	30'	15	
2:08	23		opening up trail		Dead Red	6'	E	30'	15	
2:19	24		Navors four trees -		Dead Red	6'	E	30'	15	
2:25	25		Blue Down		Dead Red	6'	E	30'	15	
2:50	26		Blue Down		Dead Red	6'	E	30'	15	
3:00	27		Blue Down		Dead Red	6'	E	30'	15	
3:03	28		Blue Down		Dead Red	6'	E	30'	15	
3:33	29		Blue Down		Dead Red	6'	E	30'	15	
3:39	30		Blue Down		Dead Red	6'	E	30'	15	
3:51	31		Blue Down		Dead Red	6'	E	30'	15	
4:01	32		Blue Down		Dead Red	6'	E	30'	15	
4:05	33		Blue Down		Dead Red	6'	E	30'	15	
4:27	34		Blue Down		Dead Red	6'	E	30'	15	
4:36	35		Blue Down		Dead Red	6'	E	30'	15	
4:49	36		Blue Down		Dead Red	6'	E	30'	15	
4:53	37		Blue Down		Dead Red	6'	E	30'	15	
5:04	38		Blue Down		Dead Red	6'	E	30'	15	
5:14	39		Blue Down		Dead Red	6'	E	30'	15	
5:23	40		Blue Down		Dead Red	6'	E	30'	15	

4782-002 and 4782-001 Field Notes

End of Survey for 4782-003, 4782-002, and 4782-001