



July 25, 2017

Survey Report of
LiDAR Calibration & Quality Control Points

ID_Nez Perce LiDAR_2016_B16
USGS Contract: G16PC00016
USGS Task Order: G16PD01221

Presented to:



Presented By:



Control Survey Report

ID_Nez Perce LiDAR_2016_B16
USGS Contract: G16PC00016
USGS Task Order: G16PD01221

USGS/NGTOC
1400 Independence Road
Rolla, Missouri 65401
For
LiDAR Calibration & Quality Control Points

- I. Survey Report Summary
- II. Final Coordinate Listing
- III. Data Log Sheets

I. Survey Report Summary



USGS Nez Perce Survey Report 3DEP Collection

Technical Approach to Land Cover Validation Point Selection:

Referencing ASPRS Positional Accuracy Standards for Digital Geospatial Data (Edition 1, Version 1.0, - November, 2014) table C.1 Recommended Number of Checkpoints based on Area, Quantum Spatial calculated that 269 Non-Vegetated Vertical Assessment (NVA) and 188 Vegetated Vertical Assessment (VVA) points are required for this project area.

To ensure that checkpoints were distributed generally proportionate among the various vegetated land cover types, Quantum Spatial used existing USGS Land Cover data to divide both the NVA and VVA categories among the various types, calculating the approximate number of required points in each representative type proportionate to the total project area. The resulting point classes are detailed below:

NVA Class # of Points VVA Class # of Points:

Bare Earth: 54

Urban Area: 30

Tall Weeds/Crops: 25

Forested: 28

Quantum Spatial has adopted the philosophy that each vegetative class must be well distributed throughout the project area. While points in varying classes may be near to one another, points of a single vegetative class may not. Proposed point locations are selected with this distribution methodology in mind.

Survey Accuracy Requirements:

Given that the survey accuracy of calibration and quality control check points should be 3 times more accurate than the required accuracy of the data set, Quantum Spatial requires that calibration and NVA points are better than 3 centimeters RMSE, both horizontally and vertically, and that VVA points be better than 5 centimeters RMSE, both horizontally and vertically. The surveyed accuracy of each point must be determined through redundant measurements and/or network adjustment using procedures and methodologies that reliably and consistently result in the aforementioned accuracies.

Due to variances in reference control accuracy and adjustment, Quantum Spatial requires that the survey methodology used be explained, so that it can be repeated if necessary.



Field Survey Methodology:

Date Range: October 27, 2016 – November 23, 2016

Field crews used Trimble R7, R8 and R10 dual frequency GNSS receivers as base stations and rovers.

GNSS Methodology:

Survey control established by QSI is observed for a minimum of one two-hour session and one four-hour session. At the beginning of every session the tripod and antenna are reset, resulting in two different antenna heights. Our Trimble GNSS base stations are dual frequency running at 1Hz. All control has been run through NGS OPUS projects.

A combination of Fast Static, PPK and RTK surveying methods were used during this project. The fast static GPS method consisted of collecting a minimum 15 minutes of static data. The data was downloaded and baselines processed and analyzed using Trimble Business Center processing software.

Overall Project Accuracy Statement:

All point coordinates have been reported in the North American Datum of 1983 (NAD83 2011). Universal Transverse Mercator Zone 11 (UTM11) coordinates in meters for all points. All elevations are relative to the North American Vertical Datum of 1988 (NAVD 88) which were derived using the Geoid 12B model and are reported in meters.

Calibration QC Points

Average Horizontal RMSE is 0.019 meter.

Average Elevation RMSE is 0.023 meter.

Average 3 dimensional RMSE is 0.021 meter.

NVA Points

Average Horizontal RMSE is 0.007 meter.

Average Elevation RMSE is 0.011 meter.

Average 3 dimensional RMSE is 0.009 meter.

VVA Points

Average Horizontal RMSE is 0.011 meter.

Average Elevation RMSE is 0.014 meter.

Average 3 dimensional RMSE is 0.012 meter.

II. Final Coordinate Listing

28324 Idaho Nez Perce
NAD83 (2011) UTM Zone 11 NAVD88 Meters

UTM Coordinates

NVA

Point	Easting	Northing	Elevation	Type
BE01	498325.313	5174929.142	793.326	BARE_EARTH
BE02	496524.857	5175402.168	771.805	BARE_EARTH
BE03	508105.761	5195960.22	769.904	BARE_EARTH
BE04	485611.798	5175605.976	712.266	BARE_EARTH
BE05	516099.217	5111796.926	1478.688	BARE_EARTH
BE06	527277.421	5162348.97	372.458	BARE_EARTH
BE07	530718.127	5174374.091	831.893	BARE_EARTH
BE08	541489.174	5175366.402	883.817	BARE_EARTH
BE09	543298.814	5157009.212	913.084	BARE_EARTH
BE10	535834.109	5190205.07	910.819	BARE_EARTH
BE11	527113.154	5186538.16	841.902	BARE_EARTH
BE12	541440.206	5180027.017	803.025	BARE_EARTH
BE13	546025.244	5189419.189	870.981	BARE_EARTH
BE14	542372.197	5187046.926	872.753	BARE_EARTH
BE15	545769.51	5190842.184	873.995	BARE_EARTH
BE16	555460.927	5157846.766	497.835	BARE_EARTH
BE17	531808.224	5182430.323	836.378	BARE_EARTH
BE18	538342.606	5169515.884	848.021	BARE_EARTH
BE19	524187.608	5178847.543	833.126	BARE_EARTH
BE20	528693.777	5178294.154	853.103	BARE_EARTH
BE21	551024.889	5019108.254	687.035	BARE_EARTH
BE22	550817.234	5021026.058	671.485	BARE_EARTH
BE23	550159.913	5023541.869	620.551	BARE_EARTH
BE24	555034.182	5056966.38	477.948	BARE_EARTH
BE25	567478.399	5085284.25	1074.819	BARE_EARTH
BE26	569509.384	5086702.903	1029.912	BARE_EARTH
BE27	572277.239	5084292.877	1055.319	BARE_EARTH
BE28	573517.786	5084593.539	1041.098	BARE_EARTH
BE29	574674.293	5085351.997	1015.598	BARE_EARTH
BE30	621045.31	5075985.576	1206.536	BARE_EARTH
BE31	604651.627	5074033.197	1072	BARE_EARTH
BE31	604651.627	5074033.197	1072	BARE_EARTH
BE32	591672.577	5074402.166	822.062	BARE_EARTH
BE33	578129.003	5076641.071	677.816	BARE_EARTH
BE34	606607.145	5082126.507	1198.914	BARE_EARTH
BE35	578980.461	5103479.519	407.604	BARE_EARTH
BE36	580282.898	5093092.338	478.76	BARE_EARTH
BE37	575582.238	5120019.762	361.935	BARE_EARTH
BE38	589115.983	5120956.078	960.126	BARE_EARTH
BE039	581811.69	5137178.536	928.492	BARE_EARTH

BE40	522282.693	5157013.226	319.572	BARE_EARTH
BE41	512026.818	5104729.513	1617.565	BARE_EARTH
BE042	534679.059	5140020.354	966.098	BARE_EARTH
BE042	554915.122	5145922.14	923.033	BARE_EARTH
BE043	577218.565	5133077.764	945.84	BARE_EARTH
BE44	588954.223	5145970.068	1036.182	BARE_EARTH
BE45	573771.736	5152198.347	977.153	BARE_EARTH
BE046	586013.759	5133313.761	942.747	BARE_EARTH
BE047	556340.207	5138566.998	919.797	BARE_EARTH
BE48	563427.261	5153082.359	639.413	BARE_EARTH
BE49	525233.743	5135704.474	503.698	BARE_EARTH
BE050	535790.594	5143308.473	928.688	BARE_EARTH
BE51	520837.634	5149351.764	257.765	BARE_EARTH
BE053	535232.878	5144916.004	926.661	BARE_EARTH

UA01	498427.39	5174894.862	794.35	URBAN
UA02	496197.286	5175671.715	770.528	URBAN
UA03	507788.546	5196211.482	792.279	URBAN
UA04	485573.849	5175855.967	710.373	URBAN
UA005	496900.949	5146735.147	809.328	URBAN
UA06	527269.239	5162360.195	372.407	URBAN
UA07	533643.646	5182660.109	880.926	URBAN
UA08	541498.358	5180142.667	805.817	URBAN
UA09	543078.601	5188115.531	897.097	URBAN
UA10	550828.837	5021008.2	672.235	URBAN
UA11	551060.215	5019139.039	691.707	URBAN
UA12	554323.715	5035405.013	519.258	URBAN
UA13	555225.83	5056531.999	478.48	URBAN
UA14	567505.996	5085311.854	1073.652	URBAN
UA15	621035.436	5075970.031	1206.556	URBAN
UA16	580283.821	5093113.101	477.857	URBAN
UA17	575568.108	5120061.691	363.405	URBAN
UA018	581635.491	5136317.741	916.358	URBAN
UA19	522217.958	5157061.552	320.795	URBAN
UA019	514968.658	5138741.572	296.107	URBAN
UA021	534084.392	5144912.186	881.372	URBAN
UA022	533732.846	5150913.701	281.385	URBAN
UA23	556469.826	5149061.063	348.176	URBAN
UA24	505490.218	5134807.824	477.834	URBAN
UA025	556527.456	5139804.228	927.111	URBAN
UA26	525260.992	5135706.29	504.2	URBAN
UA27	540787.941	5120887.827	1136.004	URBAN
UA28	520943.507	5149353.587	259.461	URBAN
UA029	534561.601	5143301.829	902.601	URBAN
UA30	535119.188	5130206.889	1076.501	URBAN

VVA

FO01	498246.243	5174819.342	795.479	FOREST
FO03	508093.538	5196004.555	767.794	FOREST
FO05	533530.141	5183068.608	865.805	FOREST
FO06	541445.884	5180163.276	806.406	FOREST
FO07	547354.514	5184486.901	849.321	FOREST
FO08	545765.909	5190867.046	873.793	FOREST
FO09	531478.929	5181685.87	819.164	FOREST
FO10	553716.126	5030268.396	544.437	FOREST
FO11	555191.046	5056614.087	470.154	FOREST
FO12	572317.524	5084659.207	1022.547	FOREST
FO13	553533.722	5042631.64	509.58	FOREST
FO14	606635.06	5082069.142	1198.861	FOREST
FO15	580111.081	5093619.232	472.536	FOREST
FO16	535317.761	5130161.952	1075.217	FOREST
FO17	589138.79	5120942.125	962.167	FOREST
FO18	516128.45	5111763.562	1477.517	FOREST
FO018	515014.06	5138708.96	295.821	FOREST
FO20	512045.569	5104773.639	1616.831	EVER_FOR
FO20	522278.127	5157066.175	319.297	FOREST
FO021	533731.479	5150897.27	281.231	FOREST
FO22	588961.792	5145988.48	1036.191	FOREST
FO23	582540.213	5154546.428	1010.576	FOREST
FO25	525294.536	5135701.861	504.262	FOREST
FO26	540785.309	5120863.363	1137.723	FOREST
FO27	520921.569	5149342.962	258.873	FOREST
FR003	496920.952	5146715.935	808.593	URBAN
FR004	555729.514	5138610.9	912.395	FOREST
FR024	578189.176	5133074.397	958.773	FOREST

SH01	496339.713	5175467.276	772.386	SHRUB
SH02	483789.489	5178014.235	726.925	SHRUB
SH03	516089.947	5111760.548	1479.877	SHRUB
SH04	527123.484	5186567.238	841.987	SHRUB
SH05	577231.241	5133333.271	956.741	SHRUB
SH06	546012.466	5189411.543	870.011	SHRUB
SH07	545582.962	5191694.019	875.612	SHRUB
SH08	524207.33	5178849.006	835.172	SHRUB
SH09	551127.401	5020093.056	672.296	SHRUB
SH10	550059.304	5023141.852	626.185	SHRUB
SH11	554296.065	5035554.881	509.797	SHRUB
SH12	555144.984	5056695.995	465.189	SHRUB
SH13	591624.857	5074468.334	820.519	SHRUB

TG01	531485.05	5182100.085	827.917	TALL_GRASS
TG02	508836.801	5196305.392	790.211	TALL_GRASS
TG03	483402.099	5178183.56	729.404	TALL_GRASS
TG04	516398.09	5111795.002	1464.325	GRASS

TG06	530733.634	5174381.672	830.916	TALL_GRASS
TG07	541521.757	5175379.531	883.541	TALL_GRASS
TG08	535837.203	5190192.07	910.029	TALL_GRASS
TG09	541517.087	5179782.125	809.358	TALL_GRASS
TG10	541784.449	5185814.904	865.547	TALL_GRASS
TG011	534692.356	5144894.96	918.05	TALL_GRASS
TG011	554849.189	5145816.444	921	TALL_GRASS
TG12	538347.797	5169591.347	844.885	TALL_GRASS
TG13	528545.217	5178298.242	839.768	TALL_GRASS
TG14	567894.185	5087715.26	1010.046	TALL_GRASS
TG15	573511.286	5084588.448	1041.128	TALL_GRASS
TG16	604668.283	5074057.45	1072.451	TALL_GRASS
TG16	604668.283	5074057.45	1072.451	TALL_GRASS
TG17	550824.941	5021002.01	672.576	TALL_GRASS
TG18	606635.795	5082128.376	1198.603	TALL_GRASS
TG019	581798.481	5137187.738	928.2	TALL_GRASS
TG20	575549.541	5120058.232	362.752	TALL_GRASS
TG21	589047.036	5120922.956	961.904	TALL_GRASS
TG22	512012.469	5104715.319	1616.785	TALL_GRASS
TG023	556341.299	5138555.901	919.749	TALL_GRASS
TG024	577804.237	5132934.69	957.733	TALL_GRASS

III. Log Data Sheets



Point ID	BE01
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
5174929.142	498325.313	793.326

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/11/2016
RMSE Hz	0.006
RMSE Z	0.009
GPS Method	RTK

PHOTOS:





Point ID	BE02
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
496524.857	5175402.168	771.805

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	BE03
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
508105.761	5195960.22	769.904

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	BE04
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
485611.798	5175605.976	712.266

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	BE05
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
516099.217	5111796.926	1478.688

Operator	Colin Wait/Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/29/2016
RMSE Hz	0.017
RMSE Z	0.019
GPS Method	RTK

PHOTOS:





Point ID	BE06
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
527277.421	5162348.97	372.458

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/22/2016
RMSE Hz	0.003
RMSE Z	0.004
GPS Method	FS

PHOTOS:





Point ID	BE07
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
530718.127	5174374.091	831.893

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	BE08
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
541489.174	5175366.402	883.817

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	BE09
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
543298.814	5157009.212	913.084

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/22/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE10
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
535834.109	5190205.07	910.819

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	BE11
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
527113.154	5186538.16	841.902

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.006
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	BE12
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
541440.206	5180027.017	803.025

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE13
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
546025.244	5189419.189	870.981

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/08/2016
RMSE Hz	0.010
RMSE Z	0.016
GPS Method	RTK

PHOTOS:





Point ID	BE14
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
542372.197	5187046.926	872.753

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/08/2016
RMSE Hz	0.005
RMSE Z	0.009
GPS Method	RTK

PHOTOS:





Point ID	BE15
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
545769.51	5190842.184	873.995

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	BE16
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
555460.927	5157846.766	497.835

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/15/2016
RMSE Hz	0.004
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	BE17
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
531808.224	5182430.323	836.378

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.007
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	BE18
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
538342.606	5169515.884	848.021

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.007
RMSE Z	0.012
GPS Method	RTK

PHOTOS:





Point ID	BE19
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
524187.608	5178847.543	833.126

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE20
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
528693.777	5178294.154	853.103

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.005
RMSE Z	0.009
GPS Method	RTK

PHOTOS:





Point ID	BE21
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
551024.889	5019108.254	687.035

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.016
RMSE Z	0.024
GPS Method	RTK

PHOTOS:





Point ID	BE22
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
550817.234	5021026.058	671.485

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.013
RMSE Z	0.016
GPS Method	RTK

PHOTOS:





Point ID	BE23
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
550159.913	5023541.869	620.551

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.016
RMSE Z	0.021
GPS Method	RTK

PHOTOS:





Point ID	BE24
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
555034.182	5056966.38	477.948

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE25
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
567478.399	5085284.25	1074.819

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.003
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	BE26
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
569509.384	5086702.903	1029.912

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE27
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
572277.239	5084292.877	1055.319

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/31/2016
RMSE Hz	0.015
RMSE Z	0.019
GPS Method	RTK

PHOTOS:





Point ID	BE28
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
573517.786	5084593.539	1041.098

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/31/2016
RMSE Hz	0.014
RMSE Z	0.015
GPS Method	RTK

PHOTOS:





Point ID	BE29
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
574674.293	5085351.997	1015.598

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/31/2016
RMSE Hz	0.014
RMSE Z	0.014
GPS Method	RTK

PHOTOS:





Point ID	BE30
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
621045.31	5075985.576	1206.536

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE31
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
604651.627	5074033.197	1072

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/05/2016
RMSE Hz	0.021
RMSE Z	0.032
GPS Method	RTK

PHOTOS:





Point ID	BE32
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
591672.577	5074402.166	822.062

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/05/2016
RMSE Hz	0.013
RMSE Z	0.014
GPS Method	FS

PHOTOS:



Point ID	BE33
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
578129.003	5076641.071	677.816

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.010
GPS Method	FS

PHOTOS:





Point ID	BE34
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
606607.145	5082126.507	1198.914

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.010
GPS Method	FS

PHOTOS:





Point ID	BE35
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
578980.461	5103479.519	407.604

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE36
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
580282.898	5093092.338	478.76

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	BE37
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
575582.238	5120019.762	361.935

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE38
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
589115.983	5120956.078	960.126

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE39
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
581811.69	5137178.536	928.492

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/07/2016
RMSE Hz	0.019
RMSE Z	0.021
GPS Method	RTK

PHOTOS:





Point ID	BE40
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
522282.693	5157013.226	319.572

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	BE41
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
512026.818	5104729.513	1617.565

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/27/2016
RMSE Hz	0.017
RMSE Z	0.020
GPS Method	RTK

PHOTOS:





Point ID	BE42
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/10/2016
RMSE Hz	
RMSE Z	
GPS Method	RTK

PHOTOS:





Point ID	BE43
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
577218.565	5133077.764	945.84

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/06/2016
RMSE Hz	0.016
RMSE Z	0.019
GPS Method	RTK

PHOTOS:





Point ID	BE44
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
588954.223	5145970.068	1036.182

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.004
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	BE45
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
573771.736	5152198.347	977.153

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.003
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	BE46
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
586013.759	5133313.761	942.747

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/07/2016
RMSE Hz	0.014
RMSE Z	0.017
GPS Method	RTK

PHOTOS:





Point ID	BE47
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
556340.207	5138566.998	919.797

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/09/2016
RMSE Hz	0.006
RMSE Z	0.009
GPS Method	RTK

PHOTOS:





Point ID	BE48
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
563427.261	5153082.359	639.413

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.005
RMSE Z	0.007
GPS Method	FS

PHOTOS:



Point ID	BE49
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
525233.743	5135704.474	503.698

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	BE50
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
535790.594	5143308.473	928.688

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/12/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	BE51
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
520837.634	5149351.764	257.765

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	BE53
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
535232.878	5144916.004	926.661

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/12/2016
RMSE Hz	0.006
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	UA01
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
498427.39	5174894.862	794.35

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/11/2016
RMSE Hz	0.003
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	UA02
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
496197.286	5175671.715	770.528

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	UA03
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
507788.546	5196211.482	792.279

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.003
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	UA04
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
485573.849	5175855.967	710.373

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.003
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	UA005
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
496900.949	5146735.147	809.328

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/13/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	UA06
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
527269.239	5162360.195	372.407

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/22/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	UA07
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
533643.646	5182660.109	880.926

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.007
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	UA08
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
541498.358	5180142.667	805.817

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.005
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	UA09
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
543078.601	5188115.531	897.097

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/08/2016
RMSE Hz	0.006
RMSE Z	0.009
GPS Method	RTK

PHOTOS:





Point ID	UA10
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
550828.837	5021008.2	672.235

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.013
RMSE Z	0.016
GPS Method	RTK

PHOTOS:





Point ID	UA11
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
551060.215	5019139.039	691.707

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.016
RMSE Z	0.025
GPS Method	RTK

PHOTOS:





Point ID	UA12
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
554323.715	5035405.013	519.258

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.004
RMSE Z	0.010
GPS Method	FS

PHOTOS:





Point ID	UA13
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
555225.83	5056531.999	478.48

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	UA14
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
567505.996	5085311.854	1073.652

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.003
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	UA15
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
621035.436	5075970.031	1206.556

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	UA16
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
580283.821	5093113.101	477.857

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	UA17
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
575568.108	5120061.691	363.405

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	UA018
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
581635.491	5136317.741	916.358

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/07/2016
RMSE Hz	0.016
RMSE Z	0.020
GPS Method	RTK

PHOTOS:





Point ID	UA019
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
514968.658	5138741.572	296.107

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/13/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	UA20
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
522217.958	5157061.552	320.795

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	UA021
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
534084.392	5144912.186	881.372

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/12/2016
RMSE Hz	0.007
RMSE Z	0.012
GPS Method	RTK

PHOTOS:





Point ID	UA022
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
534084.392	5144912.186	881.372

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/13/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	UA23
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
556469.826	5149061.063	348.176

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/15/2016
RMSE Hz	0.004
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	UA24
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
505490.218	5134807.824	477.834

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.006
RMSE Z	0.009
GPS Method	FS

PHOTOS:





Point ID	UA025
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
556527.456	5139804.228	927.111

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/09/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	UA26
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
525260.992	5135706.29	504.2

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	UA27
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
540787.941	5120887.827	1136.004

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.003
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	UA28
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
520943.507	5149353.587	259.461

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	UA029
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
534561.601	5143301.829	902.601

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/11/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	UA30
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
535119.188	5130206.889	1076.501

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/22/2016
RMSE Hz	0.006
RMSE Z	0.009
GPS Method	FS

PHOTOS:





Point ID	TG22
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
512012.469	5104715.319	1616.785

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/27/2016
RMSE Hz	0.009
RMSE Z	0.015
GPS Method	RTK

PHOTOS:





Point ID	FO03
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
508093.5	5196004.56	767.794

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.005
RMSE Z	0.011
GPS Method	FS

PHOTOS:





Point ID	FR004
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
555729.514	5138610.9	912.395

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/09/2016
RMSE Hz	0.009
RMSE Z	0.015
GPS Method	RTK

PHOTOS:





Point ID	FO05
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
533530.141	5183068.608	865.805

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.007
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	FO06
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
541445.884	5180163.276	806.406

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	FO07
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
547354.514	5184486.901	849.321

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	FO08
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
545765.909	5190867.046	873.793

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	FO09
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
531478.929	5181685.87	819.164

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.008
RMSE Z	0.013
GPS Method	RTK

PHOTOS:





Point ID	FO10
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
553716.126	5030268.396	544.437

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.006
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	FO11
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
555191.046	5056614.087	470.154

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	FO12
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
572317.524	5084659.207	1022.547

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	FO13
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
553533.722	5042631.64	509.58

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.004
RMSE Z	0.009
GPS Method	FS

PHOTOS:





Point ID	FO14
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
606635.06	5082069.142	1198.861

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.005
RMSE Z	0.012
GPS Method	FS

PHOTOS:





Point ID	FO15
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
580111.081	5093619.232	472.536

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	FO16
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
535317.761	5130161.952	1075.217

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/22/2016
RMSE Hz	0.005
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	FO17
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
589138.79	5120942.125	962.167

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	FO018
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
516128.5	5111764	1477.517

Operator	Colin Wait/Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/29/2016
RMSE Hz	0.003
RMSE Z	0.007
GPS Method	RTK

PHOTOS:





Point ID	FO18
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
516128.45	5111763.562	1477.517

Operator	Colin Wait/Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/29/2016
RMSE Hz	0.027
RMSE Z	0.032
GPS Method	RTK

PHOTOS:





Point ID	FO20
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
512045.569	5104773.639	1616.831

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	FO20
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
522278.127	5157066.175	319.297

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/27/2016
RMSE Hz	0.022
RMSE Z	0.026
GPS Method	RTK

PHOTOS:





Point ID	FO21
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
533731.479	5150897.27	281.231

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/13/2016
RMSE Hz	0.007
RMSE Z	0.013
GPS Method	FS

PHOTOS:





Point ID	FO22
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
588961.792	5145988.48	1036.191

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	FO23
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
582540.213	5154546.428	1010.576

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	FO24
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
525294.536	5135701.861	504.262

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/06/2016
RMSE Hz	0.024
RMSE Z	0.025
GPS Method	RTK

PHOTOS:





Point ID	FO25
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
578189.176	5133074.397	958.773

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	FO26
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
540785.309	5120863.363	1137.723

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.009
RMSE Z	0.010
GPS Method	FS

PHOTOS:





Point ID	FO27
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
520921.569	5149342.962	258.873

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/14/2016
RMSE Hz	0.004
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	FR003
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
496921	5146715.94	808.593

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/13/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:



Point ID	SH01
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
496339.713	5175467.276	772.386

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	SH02
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
483789.489	5178014.235	726.925

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.004
RMSE Z	0.005
GPS Method	FS

PHOTOS:





Point ID	SH03
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
516089.947	5111760.548	1479.877

Operator	Colin Wait/Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/29/2016
RMSE Hz	0.018
RMSE Z	0.024
GPS Method	RTK

PHOTOS:





Point ID	SH04
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
527123.484	5186567.238	841.987

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.006
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	SH005
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
577231.241	5133333.271	956.741

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/06/2016
RMSE Hz	0.013
RMSE Z	0.019
GPS Method	RTK

PHOTOS:





Point ID	SH06
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
546012.466	5189411.543	870.011

Operator	Lucas Retimann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/08/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	SH07
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
545582.962	5191694.019	875.612

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	SH08
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
524207.33	5178849.006	835.172

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	SH09
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
551127.401	5020093.056	672.296

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.017
RMSE Z	0.022
GPS Method	RTK

PHOTOS:





Point ID	SH10
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
550059.304	5023141.852	626.185

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.020
RMSE Z	0.022
GPS Method	RTK

PHOTOS:





Point ID	SH11
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
554296.065	5035554.881	509.797

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.005
RMSE Z	0.009
GPS Method	FS

PHOTOS:





Point ID	SH12
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
555144.984	5056695.995	465.189

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/21/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	SH13
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/07/2016
RMSE Hz	0.011
RMSE Z	0.015
GPS Method	FS

PHOTOS:



Point ID	TG01
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
531485.05	5182100.085	827.917

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/09/2016
RMSE Hz	0.006
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	TG02
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
508836.801	5196305.392	790.211

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	TG03
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
483402.099	5178183.56	729.404

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/16/2016
RMSE Hz	0.003
RMSE Z	0.006
GPS Method	FS

PHOTOS:





Point ID	TG04
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
516398.09	5111795.002	1464.325

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/30/2016
RMSE Hz	0.016
RMSE Z	0.020
GPS Method	RTK

PHOTOS:





Point ID	TG05
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/12/2016
RMSE Hz	
RMSE Z	
GPS Method	RTK

PHOTOS:





Point ID	TG06
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
530733.634	5174381.672	830.916

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	TG07
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
541521.757	5175379.531	883.541

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	TG08
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
535837.203	5190192.07	910.029

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	TG09
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
541517.087	5179782.125	809.358

Operator	Eric McPherren
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/18/2016
RMSE Hz	0.004
RMSE Z	0.008
GPS Method	FS

PHOTOS:





Point ID	TG10
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
531485.05	5182100.085	827.917

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/08/2016
RMSE Hz	0.006
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	TG11
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
534692.4	5144894.96	918.05

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/10/2016
RMSE Hz	0.006
RMSE Z	0.009
GPS Method	RTK

PHOTOS:





Point ID	TG11
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
554849.2	5145816.44	921.00

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/10/2016
RMSE Hz	0.006
RMSE Z	0.010
GPS Method	RTK

PHOTOS:





Point ID	TG12
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
538347.797	5169591.347	844.885

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.007
RMSE Z	0.012
GPS Method	RTK

PHOTOS:





Point ID	TG13
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
528545.217	5178298.242	839.768

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/17/2016
RMSE Hz	0.005
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	TG14
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
567894.185	5087715.26	1010.046

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/30/2016
RMSE Hz	0.013
RMSE Z	0.018
GPS Method	RTK

PHOTOS:





Point ID	TG15
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
573511.286	5084588.448	1041.128

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/31/2016
RMSE Hz	0.018
RMSE Z	0.021
GPS Method	RTK

PHOTOS:





Point ID	TG16
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
5074057.45	604668.283	1072.451

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/05/2016
RMSE Hz	0.022
RMSE Z	0.035
GPS Method	RTK

PHOTOS:





Point ID	TG17
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
550824.941	5021002.01	672.576

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/03/2016
RMSE Hz	0.013
RMSE Z	0.016
GPS Method	RTK

PHOTOS:





Point ID	TG18
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
606635.795	5082128.376	1198.603

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/20/2016
RMSE Hz	0.004
RMSE Z	0.010
GPS Method	FS

PHOTOS:





Point ID	TG019
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
581798.481	5137187.738	928.2

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/07/2016
RMSE Hz	0.018
RMSE Z	0.023
GPS Method	RTK

PHOTOS:





Point ID	TG20
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
575549.541	5120058.232	362.752

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.003
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	TG21
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
589047.036	5120922.956	961.904

Operator	Eric McPherran
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/19/2016
RMSE Hz	0.003
RMSE Z	0.007
GPS Method	FS

PHOTOS:





Point ID	TG22
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
512012.469	5104715.319	1616.785

Operator	Lucas Rietmann
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	10/27/2016
RMSE Hz	0.013
RMSE Z	0.015
GPS Method	RTK

PHOTOS:





Point ID	TG023
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
556341.299	5138555.901	919.749

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/09/2016
RMSE Hz	0.006
RMSE Z	0.008
GPS Method	RTK

PHOTOS:





Point ID	TG24
Project No.	28324
Project Name	Nez Perce USGS
State	ID

	Aerial Target
	LiDAR Ground Control
X	LiDAR QC Point
	New Control

Coordinate System
NAD83(2011)
UTM 11
NAVD88, Geoid 12B

Northing	Easting	Elevation
577804.237	5132934.69	957.733

Operator	Colin Wait
Receiver Model	Trimble R8
Receiver S/N	N/A
Antenna Height	2.0

Date (MM-DD-YYYY)	11/06/2016
RMSE Hz	0.017
RMSE Z	0.020
GPS Method	RTK

PHOTOS:

