



October 13, 2020

**Survey Report** of  
LiDAR Calibration & Quality Control Points

USGS Contract: G16PC00016

ID\_NorthForkPayette\_2020\_B20

USGS Task Order: 140G0220F0219

Presented to:



Presented By:





# CONTENTS OF REPORT

|   |           |
|---|-----------|
| <b>PROJECT PROCEDURE SUMMARY.....</b>                         | <b>1</b>  |
| <b>AREA OF INTEREST &amp; POINT LOCATION MAPS.....</b>        | <b>5</b>  |
| • CALIBRATION POINTS.....                                     | 6         |
| • NVA – BARE EARTH POINTS.....                                | 7         |
| • NVA - URBAN AREA POINTS.....                                | 8         |
| • VVA - TALL WEED POINTS.....                                 | 9         |
| • VVA - FOREST POINTS.....                                    | 10        |
| • VVA - BRUSHLAND POINTS.....                                 | 11        |
| <b>FINAL POINT COORDINATES.....</b>                           | <b>12</b> |
| • CALIBRATION POINTS.....                                     | 13        |
| • NVA – BARE EARTH POINTS.....                                | 15        |
| • NVA - URBAN AREA POINTS.....                                | 17        |
| • VVA - TALL WEED POINTS.....                                 | 18        |
| • VVA - FOREST POINTS.....                                    | 19        |
| • VVA - BRUSHLAND POINTS.....                                 | 21        |
| <b>NVA/VVA POINT LOCATION &amp; ACCURACY DATA SHEETS.....</b> | <b>22</b> |
| • NVA – BARE EARTH POINTS.....                                | 23        |
| • NVA - URBAN AREA POINTS.....                                | 95        |
| • VVA - TALL WEED POINTS.....                                 | 103       |



- VVA – FOREST POINTS.....120
- VVA – BRUSHLAND POINTS.....155

CERTIFICATION PAGE.....176

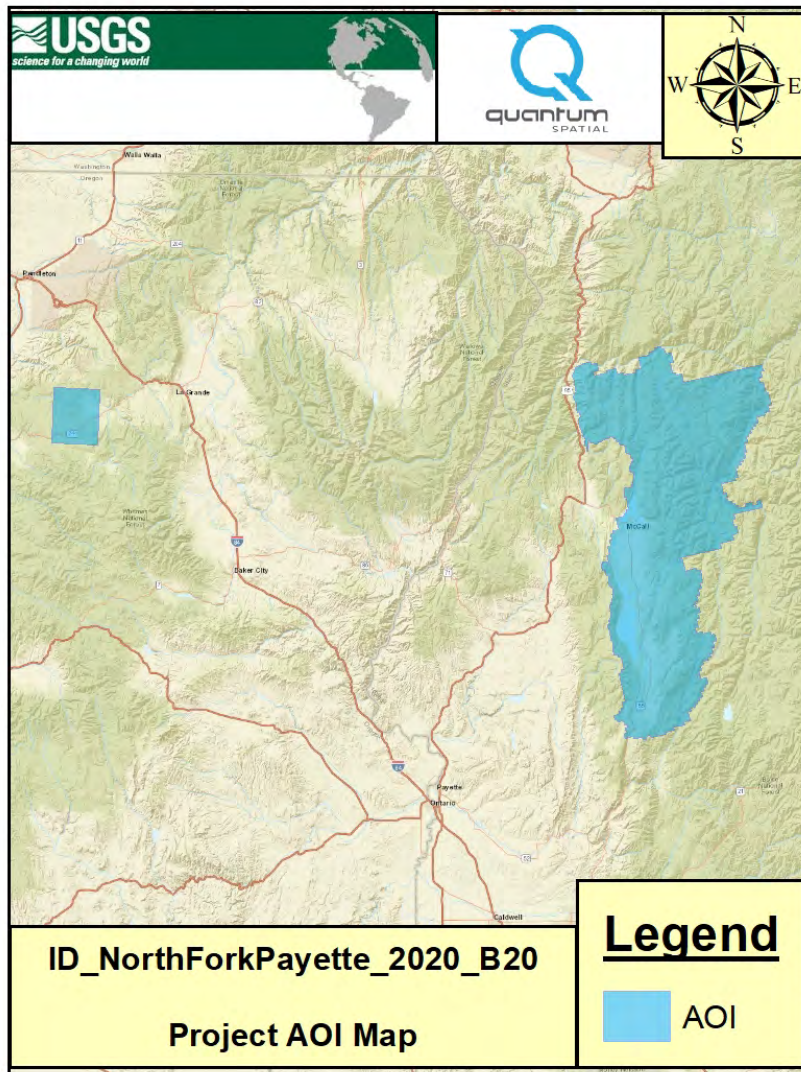


## Introduction

Quantum Spatial, Inc. was contracted by USGS under task order 140G0220F0219 to survey LiDAR calibration and quality control points in support of the ID\_NorthForkPayette\_2020\_B20 project. The project area was located in the states of Idaho and Oregon, including partial counties of Adams, Idaho, and Valley, ID; and Umatilla and Union, OR. This is the report of the technical approach used and detail of each point surveyed.

## Project Area

The Project Area, shown in the figure below, consist of approximately 2014 square miles.





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## Technical Approach to Land Cover Validation Point Selection

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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 the total number of checkpoints required for the entire project area. It was determined that 78 Non-Vegetated Vertical Accuracy (NVA) and 67 Vegetated Vertical Accuracy (VVA) points were required for the 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:

| <u>NVA Class</u> | <u># of Points</u> | <u>VVA Class</u> | <u># of Points</u> |
|------------------|--------------------|------------------|--------------------|
| Bare Earth       | 71                 | Forested         | 34                 |
| Urban Area       | 7                  | Tall Weeds/Crops | 16                 |
|                  |                    | Brushland        | 17                 |

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; however, access to the entire AOI limited the distribution.

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## Survey Accuracy Requirements

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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.

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## Field Survey Methodology

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Date Range: September 4, 2020 – September 30, 2020

### Equipment Used:

Field crews used Trimble R7 and R10 dual frequency GNSS receivers as base stations and rovers. A Nikon NPL322 Total Station was used for conventional measurements.

### GNSS Methodology:

A combination of fast static and RTK GNSS surveying methods were used during this project. The RTN networks used were the Leica Smartnet and Washington State Reference Network (WSRN). Temporary marks were established and used as base stations for RTK surveys. The fast static GPS method consisted of collecting a minimum 15 minutes of static data. The data was downloaded and baselines processed to temporary mark base stations and/or RTN stations. Coordinates for the temporary marks were derived with the NGS OPUS-Projects program using multiple sessions of data for each station. The network was adjusted holding the RTN and temporary mark stations as control.

### Conventional Methodology:

A total station was used to determine the positions of VVA-Forest points under the tree canopy. After backsight and instrument station positions were established with GNSS observations in open areas, a total station was used to observe the foresighted Forest point under the tree canopy.

All the GNSS and conventional information was downloaded, processed and analyzed using Trimble Business Center processing software. A network was formed and adjusted.



## Overall Project Accuracy Statement

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All point coordinates have been reported in the North American Datum of 1983 (2011). Universal Transverse Mercator Zone 11 (UTM11) coordinates in meters horizontally. Elevations are relative to the North American Vertical Datum of 1988 (NAVD 88) which were derived using the Geoid 18 model and are reported in meters.

### Calibration Points

Average Horizontal RMSE is 0.007 meter.

Average Elevation RMSE is 0.013 meter.

Average 3 dimensional RMSE is 0.015 meter.

### NVA Points

Average Horizontal RMSE is 0.006 meter.

Average Elevation RMSE is 0.012 meter.

Average 3 dimensional RMSE is 0.013 meter.

### VVA Points

Average Horizontal RMSE is 0.013 meter.

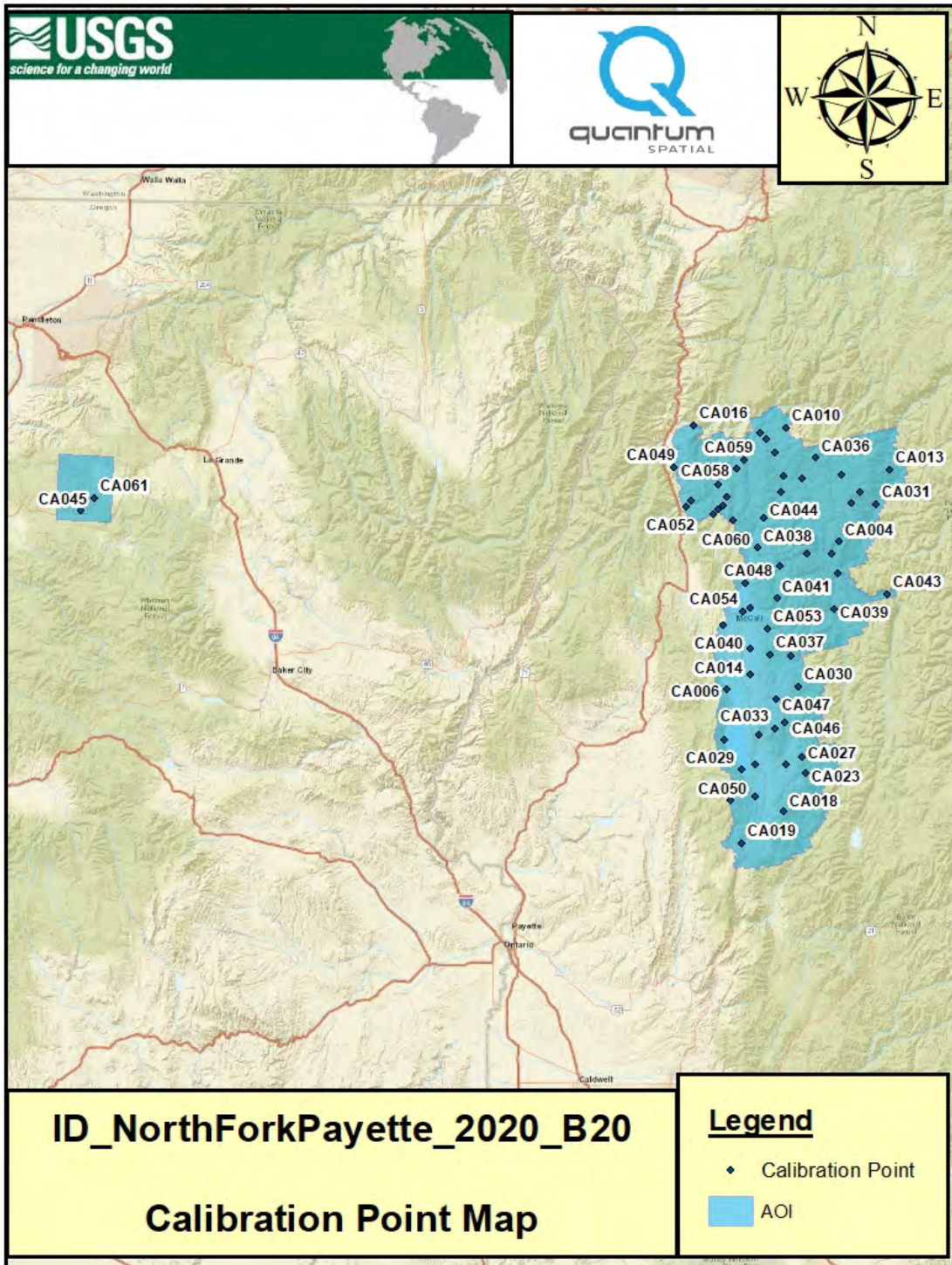
Average Elevation RMSE is 0.020 meter.

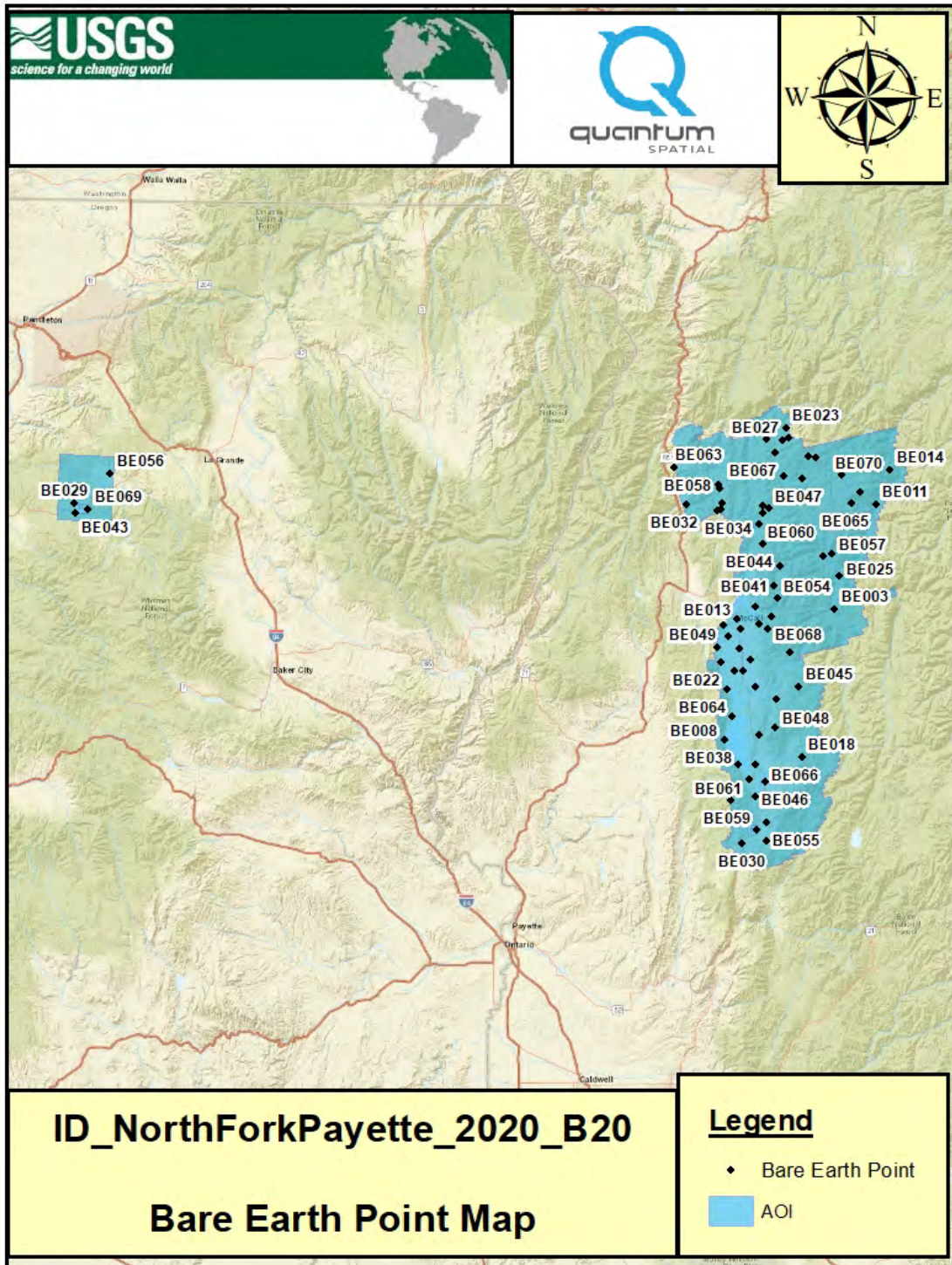
Average 3 dimensional RMSE is 0.024 meter.

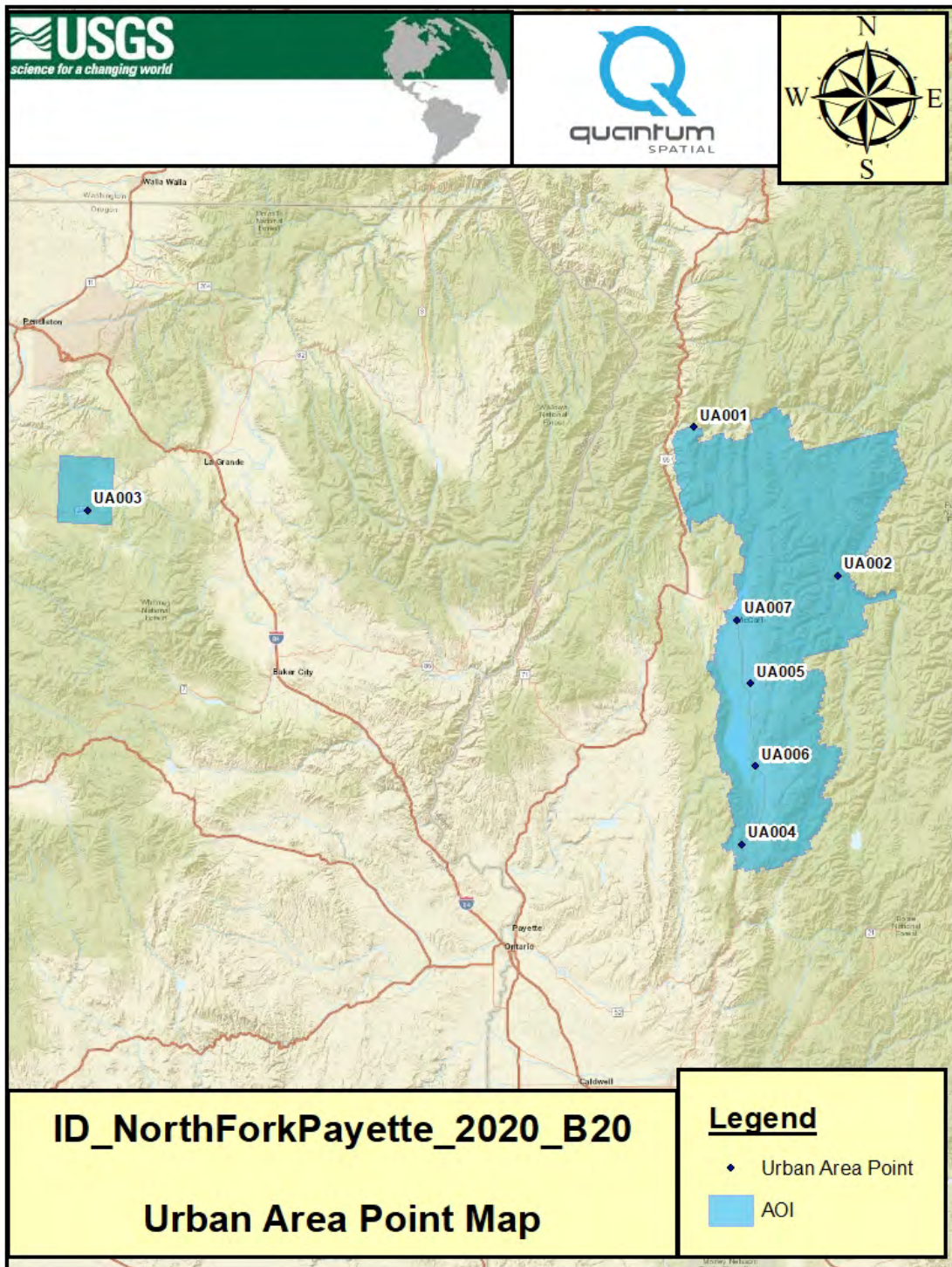


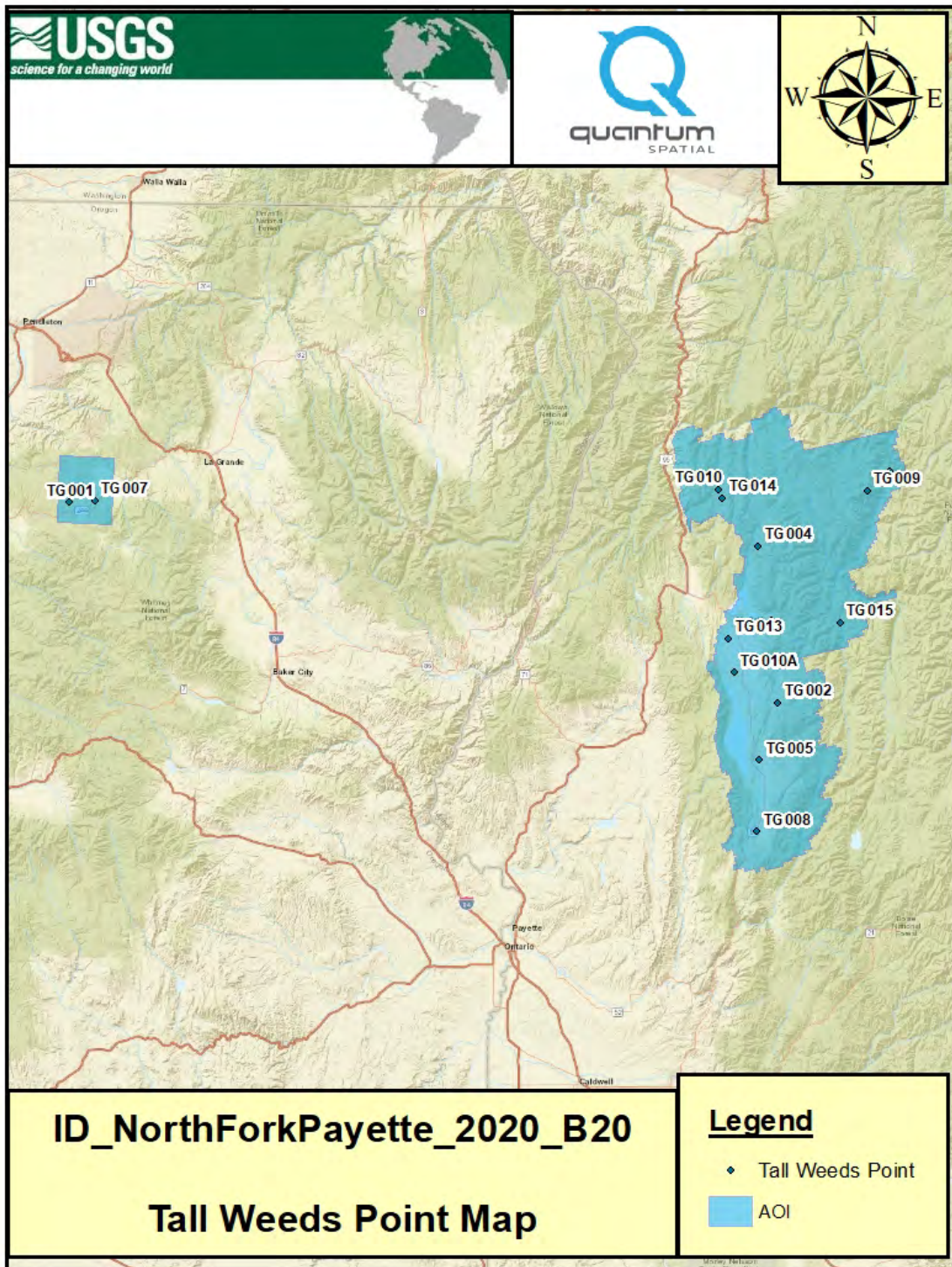
## **PROJECT AOI & POINT LOCATION MAPS**

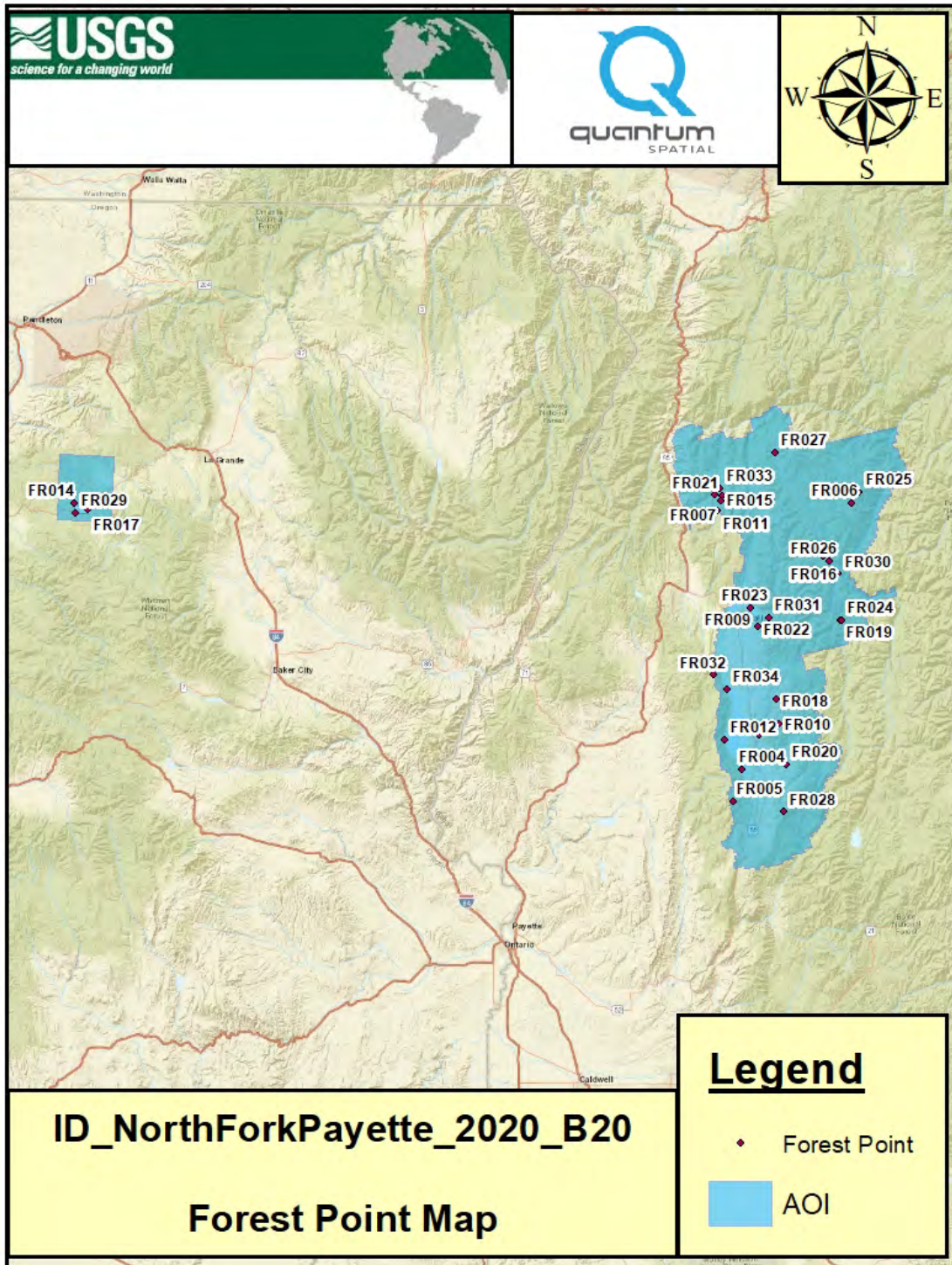


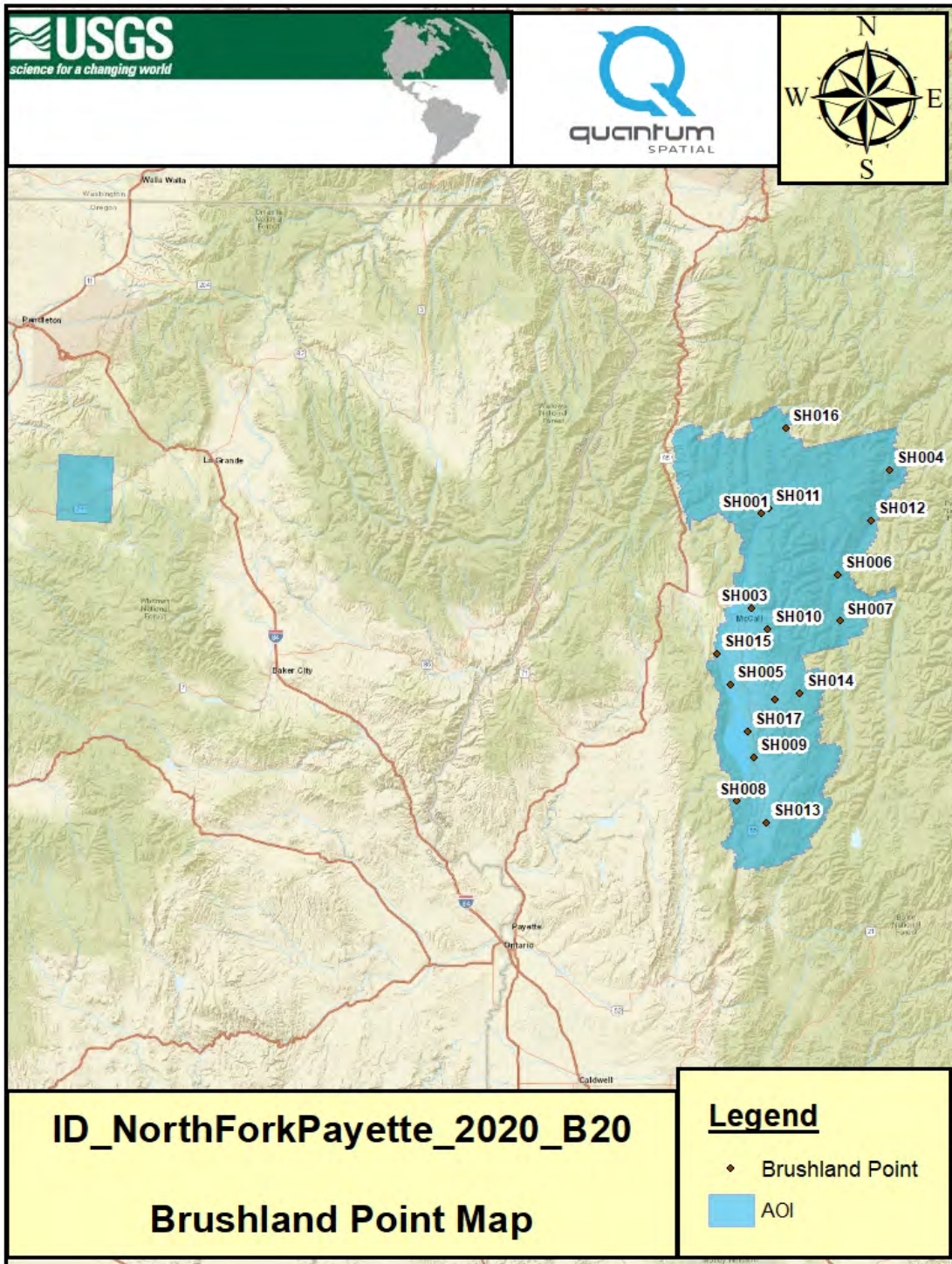














## FINAL POINT COORDINATES

**CALIBRATION POINT COORDINATES**

Horizontal Datum - NAD83(2011)  
UTM ZONE 11  
Vertical Datum - NAVD 88  
Geoid - GEOID12B  
Units – Meters

| Point ID | Northing (m) | Easting (m) | Elev. (m) |
|----------|--------------|-------------|-----------|
| CA001    | 5009308.464  | 584588.375  | 1875.549  |
| CA002    | 4927763.681  | 572756.068  | 1476.139  |
| CA003    | 5026756.071  | 578349.114  | 1711.28   |
| CA004    | 4994753.667  | 601370.2    | 1848.71   |
| CA005    | 4929131.362  | 576884.529  | 1448.327  |
| CA006    | 4951355.013  | 568484.41   | 1475.1    |
| CA007    | 4919459.529  | 576624.068  | 1446.84   |
| CA008    | 4985289.238  | 601298.882  | 1120.584  |
| CA009    | 5021143.346  | 582465.35   | 1950.489  |
| CA009A   | 5014212.066  | 585137.926  | 1863.844  |
| CA010    | 5028223.041  | 585726.062  | 2339.655  |
| CA011    | 5002888.136  | 564526.475  | 2084.839  |
| CA012    | 5013410.994  | 590491.09   | 1786.588  |
| CA013    | 5016002.576  | 616461.207  | 2132.093  |
| CA014    | 4955747.644  | 575383.28   | 1490.544  |
| CA015    | 4963280.378  | 575315.447  | 1525.844  |
| CA016    | 5029045.216  | 558575.16   | 551.329   |
| CA017    | 5024889.288  | 579940.394  | 1999.389  |
| CA018    | 4915145.201  | 585141.773  | 2092.513  |
| CA019    | 4905956.983  | 572803.446  | 1380.184  |
| CA020    | 5004323.962  | 565875.18   | 2233.328  |
| CA021    | 5009414.895  | 607498.88   | 2126.862  |
| CA022    | 4991245.625  | 591886.749  | 1425.253  |
| CA023    | 4926363.584  | 591556.517  | 1643.552  |
| CA024    | 4960976.844  | 587504.064  | 1934.333  |
| CA025    | 4987490.788  | 584079.28   | 2097.783  |
| CA026    | 4937762.494  | 577910.889  | 1504.047  |
| CA027    | 4931408.208  | 590495.941  | 1954.309  |
| CA028    | 5014295.786  | 602137.872  | 1786.177  |
| CA029    | 4936272.087  | 567632.886  | 1475.616  |
| CA030    | 4952070.196  | 589639.324  | 1972.958  |





|       |             |            |          |
|-------|-------------|------------|----------|
| CA031 | 5005697.835 | 612427.722 | 1024.082 |
| CA032 | 4975257.255 | 575521.943 | 1564.267 |
| CA033 | 4939773.66  | 582644.438 | 2028.302 |
| CA034 | 4991082.844 | 599454.524 | 1539.134 |
| CA035 | 4929230.779 | 585903.06  | 1541.331 |
| CA036 | 5019386.359 | 594454.427 | 2503.854 |
| CA037 | 4961400.328 | 581228.653 | 1766.314 |
| CA038 | 4992958.633 | 577500.115 | 1948.755 |
| CA039 | 4974884.567 | 600101.211 | 1185.062 |
| CA040 | 4970151.565 | 567334.154 | 1538.154 |
| CA041 | 4978003.56  | 583226.472 | 1675.463 |
| CA042 | 5006150.981 | 605224.532 | 2284.443 |
| CA043 | 4979197.011 | 615518.487 | 1400.816 |
| CA044 | 5001859.743 | 579328.12  | 1823.178 |
| CA045 | 5003820.352 | 377953.959 | 1418.282 |
| CA046 | 4941337.136 | 585689.197 | 2003.108 |
| CA047 | 4948136.817 | 583002.662 | 1510.77  |
| CA048 | 4982490.034 | 573878.2   | 1529.016 |
| CA049 | 5016762.634 | 552674.626 | 1517.666 |
| CA050 | 4918398.801 | 569382.958 | 2353.852 |
| CA051 | 5006976.998 | 558026.775 | 1690.566 |
| CA052 | 5004945.844 | 556601.076 | 1290.513 |
| CA053 | 4969006.266 | 580363.525 | 1852.744 |
| CA054 | 4974230.89  | 573002.962 | 1533.596 |
| CA055 | 5005510.593 | 567254.746 | 2160.93  |
| CA056 | 5011472.842 | 565778.885 | 2220.8   |
| CA057 | 5007741.187 | 568316.013 | 2331.815 |
| CA058 | 5016187.696 | 571526.7   | 1964.79  |
| CA059 | 5018956.181 | 573457.535 | 1836.4   |
| CA060 | 5000817.599 | 570290.682 | 2275.088 |
| CA061 | 5007477.162 | 381917.111 | 1284.112 |

**BARE EARTH POINT COORDINATES**

Horizontal Datum - NAD83(2011)  
UTM ZONE 11  
Vertical Datum - NAVD 88  
Geoid - GEOID12B  
Units – Meters

| Point ID | Northing (m) | Easting (m) | Elev. (m) |
|----------|--------------|-------------|-----------|
| BE001    | 5013417.716  | 590497.685  | 1786.618  |
| BE002    | 4970113.593  | 567348.735  | 1537.643  |
| BE003    | 4974874.273  | 600106.971  | 1184.922  |
| BE004    | 4999874.162  | 577737.138  | 1779.062  |
| BE005    | 5003037.604  | 578794.607  | 1835.767  |
| BE006    | 4956709.466  | 570454.474  | 1487.157  |
| BE007    | 5019382.991  | 594452.879  | 2503.621  |
| BE008    | 4936248.518  | 567638.405  | 1474.923  |
| BE009    | 5009390.654  | 607508.148  | 2126.329  |
| BE010    | 5025291.463  | 586783.839  | 2228.154  |
| BE011    | 5005696.506  | 612425.075  | 1024.191  |
| BE012    | 4968984.974  | 572376.843  | 1564.895  |
| BE013    | 4972027.003  | 571446.472  | 1538.207  |
| BE014    | 5015962.795  | 616453.053  | 2128.008  |
| BE015    | 5006152.868  | 567071.946  | 2168.053  |
| BE016    | 5010516.227  | 566312.55   | 2137.599  |
| BE017    | 4948147.951  | 582977.906  | 1510.431  |
| BE018    | 4931406.596  | 590495.667  | 1954.291  |
| BE019    | 4924766.364  | 575041.957  | 1479.304  |
| BE020    | 4959953.761  | 575227.77   | 1495.333  |
| BE021    | 5005301.801  | 579017.626  | 2051.184  |
| BE022    | 4959103.001  | 566492.011  | 1490.186  |
| BE023    | 5028220.864  | 585724.307  | 2339.674  |
| BE024    | 5004326.683  | 566483.511  | 2228.629  |
| BE025    | 4984770.647  | 601432.293  | 1120.894  |
| BE026    | 4929135.944  | 576880.027  | 1448.423  |
| BE027    | 5024890.999  | 579940.488  | 1999.331  |
| BE028    | 4963162.023  | 572184.305  | 1504.159  |
| BE029    | 5006155.442  | 375856.1    | 1447.632  |
| BE030    | 4905850.742  | 572766.029  | 1381.461  |



|        |             |            |          |
|--------|-------------|------------|----------|
| BE031  | 4990633.292 | 596937.353 | 1301.883 |
| BE032  | 5005714.078 | 556364.56  | 1590.032 |
| BE033  | 4975571.025 | 576844.061 | 1563.149 |
| BE034  | 5003835.501 | 565457.157 | 2218.16  |
| BE035  | 4962124.617 | 586839.81  | 1980.259 |
| BE036  | 5019758.892 | 592282.259 | 2236.758 |
| BE037  | 4972617.296 | 581499.952 | 2108.088 |
| BE038  | 4928950.792 | 571808.927 | 1486.411 |
| BE039  | 4911943.686 | 580167.492 | 1510.883 |
| BE040  | 4956723.239 | 573284.58  | 1489.208 |
| BE041  | 4981840.728 | 582411.657 | 1719.953 |
| BE042  | 4943333.168 | 569970.123 | 1475.554 |
| BE043  | 5003160.776 | 376151.527 | 1383.32  |
| BE044  | 4987489.732 | 584083.922 | 2097.791 |
| BE045  | 4952073.936 | 589636.705 | 1972.802 |
| BE046  | 4919462.852 | 576624.508 | 1446.794 |
| BE047  | 5004694.128 | 580693.027 | 1953.6   |
| BE048  | 4939782.341 | 582628.802 | 2027.885 |
| BE049  | 4963735.334 | 565656.543 | 1502.079 |
| BE050  | 4937737.23  | 577915.241 | 1503.027 |
| BE051  | 4951909.5   | 576691.425 | 1487.654 |
| BE052  | 4970650.725 | 577707.666 | 1657.918 |
| BE053  | 5024496.461 | 584885.782 | 2062.1   |
| BE054  | 4978001.641 | 583228.112 | 1675.517 |
| BE055  | 4906538.563 | 579888.547 | 1468.795 |
| BE056  | 5014953.239 | 386476.039 | 1107.273 |
| BE057  | 4991101.349 | 599453.737 | 1540.176 |
| BE058  | 5011516.88  | 565775.973 | 2221.203 |
| BE059  | 4909819.361 | 577284.749 | 1458.938 |
| BE060  | 4993986.256 | 578809.021 | 2136.813 |
| BE061  | 4918403.919 | 569382.24  | 2353.961 |
| BE062  | 4966781.736 | 568954.618 | 1529.808 |
| BE063  | 5016761.011 | 552675.845 | 1517.759 |
| BE064  | 4951296.851 | 568327.427 | 1480.199 |
| BE065  | 5006159.456 | 605230.913 | 2284.536 |
| BE066  | 4924148.75  | 579599.863 | 1443.703 |
| BE067  | 5021137.111 | 582442.91  | 1949.258 |
| BE067A | 5014213.916 | 585138.878 | 1863.833 |
| BE068  | 4968996.743 | 580364.38  | 1852.543 |
| BE069  | 5004349.479 | 379898.728 | 1491.819 |
| BE070  | 5014290.887 | 602138.667 | 1786.2   |

**URBAN AREA POINT COORDINATES**

Horizontal Datum - NAD83(2011)  
UTM ZONE 11  
Vertical Datum - NAVD 88  
Geoid - GEOID12B  
Units – Meters

| Point ID | Northing (m) | Easting (m) | Elev. (m) |
|----------|--------------|-------------|-----------|
| UA001    | 5029045.959  | 558573.372  | 551.356   |
| UA002    | 4985365.598  | 601290.624  | 1118.493  |
| UA003    | 5004505.567  | 379784.225  | 1490.162  |
| UA004    | 4905958.371  | 572804.247  | 1380.184  |
| UA005    | 4953502.987  | 575419.205  | 1486.393  |
| UA006    | 4929129.7    | 576883.059  | 1448.326  |
| UA007    | 4972067.492  | 571524.782  | 1539.265  |

**TALL WEED POINT COORDINATES**

Horizontal Datum - NAD83(2011)  
UTM ZONE 11  
Vertical Datum - NAVD 88  
Geoid - GEOID12B  
Units – Meters

| Point ID | Northing (m) | Easting (m) | Elev. (m) |
|----------|--------------|-------------|-----------|
| TG001    | 5006912.631  | 374494.415  | 1458.003  |
| TG002    | 4947791.609  | 583423.162  | 1511.447  |
| TG003    | 5015950.983  | 616458.39   | 2126.647  |
| TG004    | 4994010.567  | 577624.074  | 2019.303  |
| TG005    | 4930957.938  | 577980.161  | 1451.357  |
| TG006    | 4972200.823  | 581599.682  | 2168.461  |
| TG007    | 5007457.735  | 381915.902  | 1284.395  |
| TG008    | 4909824.548  | 577268.425  | 1458.844  |
| TG009    | 5010343.932  | 609679.947  | 2352.735  |
| TG010    | 5010760.622  | 565924.456  | 2157.137  |
| TG010A   | 4956689.776  | 570467.769  | 1487.293  |
| TG011    | 4969495.619  | 577481.07   | 1608.232  |
| TG012    | 4968978.948  | 572383.052  | 1564.836  |
| TG013    | 4966773.92   | 568974.433  | 1529.953  |
| TG014    | 5008165.043  | 567019.578  | 2116.274  |
| TG015    | 4971411.625  | 601740.917  | 1264.932  |

**FOREST POINT COORDINATES**

Horizontal Datum - NAD83(2011)  
UTM ZONE 11  
Vertical Datum - NAVD 88  
Geoid - GEOID12B  
Units – Meters

| Point ID | Northing (m) | Easting (m) | Elev. (m) |
|----------|--------------|-------------|-----------|
| FR001    | 4972000.253  | 570096.943  | 1508.087  |
| FR002    | 4937773.85   | 577911.495  | 1504.957  |
| FR003    | 4969913.802  | 577526.374  | 1611.488  |
| FR004    | 4927756.906  | 572745.881  | 1477.603  |
| FR005    | 4918320.182  | 570294.043  | 2290.731  |
| FR006    | 5006144.122  | 605224.336  | 2284.376  |
| FR007    | 5008126.985  | 567025.643  | 2116.821  |
| FR008    | 5005909.93   | 578815.022  | 2119.444  |
| FR009    | 4969925.328  | 577550.746  | 1612.698  |
| FR010    | 4940997.543  | 583616.877  | 2040.244  |
| FR011    | 5003836.066  | 565449.729  | 2218.069  |
| FR012    | 4936289.202  | 567631.959  | 1475.917  |
| FR013    | 5005776.972  | 568985.756  | 2316.327  |
| FR014    | 5006137.228  | 375789.628  | 1443.21   |
| FR015    | 5006833.484  | 566635.765  | 2149.026  |
| FR016    | 4990634.376  | 596928.364  | 1302.2    |
| FR017    | 5004372.735  | 379907.137  | 1492.254  |
| FR018    | 4948136.969  | 583016.163  | 1510.914  |
| FR019    | 4971645.017  | 601722.124  | 1267.804  |
| FR020    | 4929244.218  | 585914.822  | 1539.669  |
| FR021    | 5008535.105  | 564639.511  | 1707.895  |
| FR022    | 4969923.501  | 577560.644  | 1613.046  |
| FR023    | 4975250.964  | 575507.492  | 1565.275  |
| FR024    | 4971624.196  | 602054.138  | 1241.984  |
| FR025    | 5009427.004  | 607486.646  | 2125.579  |
| FR026    | 4989024.178  | 598766.161  | 1294.462  |
| FR027    | 5021135.268  | 582479.076  | 1950.796  |
| FR028    | 4915121.023  | 585125.139  | 2091.125  |
| FR029    | 5003206.246  | 376170.295  | 1381.771  |
| FR030    | 4985225.17   | 601316.271  | 1121.115  |



|       |             |            |          |
|-------|-------------|------------|----------|
| FR031 | 4972377.563 | 580667.881 | 2035.573 |
| FR032 | 4955513.275 | 564293.975 | 1776.148 |
| FR033 | 5010510.377 | 566323.77  | 2137.811 |
| FR034 | 4951283.678 | 568340.482 | 1479.931 |

**BRUSHLAND POINT COORDINATES**

Horizontal Datum - NAD83(2011)  
UTM ZONE 11  
Vertical Datum - NAVD 88  
Geoid - GEOID12B  
Units – Meters

| Point ID | Northing (m) | Easting (m) | Elev. (m) |
|----------|--------------|-------------|-----------|
| SH001    | 5003049.355  | 578789.572  | 1836.205  |
| SH002    | 4948266.663  | 582508.34   | 1507.206  |
| SH003    | 4975263.804  | 575555.982  | 1565.086  |
| SH004    | 5015961.239  | 616434.713  | 2127.807  |
| SH005    | 4952720.827  | 569443.806  | 1481.001  |
| SH006    | 4985175.061  | 601312.298  | 1121.407  |
| SH007    | 4971397.21   | 601728.956  | 1264.137  |
| SH008    | 4918435.803  | 571456.382  | 2153.824  |
| SH009    | 4931318.539  | 576299.992  | 1462.032  |
| SH010    | 4969203.572  | 580392.175  | 1883.366  |
| SH011    | 5004710.754  | 580765.421  | 1954.187  |
| SH012    | 5000983.325  | 611054.533  | 975.953   |
| SH013    | 4911957.582  | 580189.323  | 1511.26   |
| SH014    | 4950092.426  | 589910.226  | 1880.825  |
| SH015    | 4961850.55   | 565678.723  | 1496.223  |
| SH016    | 5028210.132  | 585718.717  | 2340.023  |
| SH017    | 4938938.061  | 574639.74   | 1487.562  |





**NVA/VVA  
POINT DATA AND ACCURACY LOG SHEETS**



## **BARE EARTH POINT LOG SHEETS**



|              |                           |
|--------------|---------------------------|
| Point ID     | BE001                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | War Eagle Mountain        |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5013417.716 | 590497.685 | 1786.618  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-11-2020  |
| RMSE Hz           | 0.007 m     |
| RMSE Z            | 0.011 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE002                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Meadows                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4970113.593 | 567348.735 | 1537.643  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE003                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Teapot Mountain           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4974874.273 | 600106.971 | 1184.922  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-27-2020  |
| RMSE Hz           | 0.016 m     |
| RMSE Z            | 0.022 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE004                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Black Tip                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4999874.162 | 577737.138 | 1779.062  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-20-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.007 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE005                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Victor Peak               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5003037.604 | 578794.607 | 1835.767  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-20-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.013 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE006                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4956709.466 | 570454.474 | 1487.157  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.009 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE007                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | War Eagle Mountain        |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

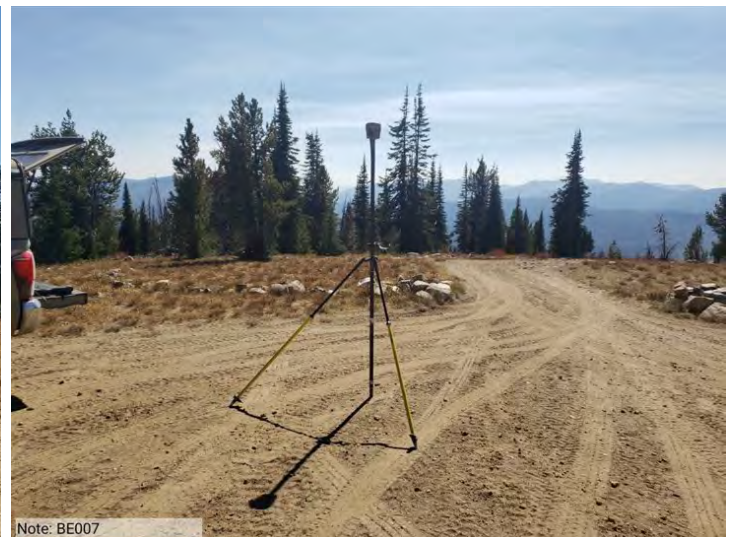
|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5019382.991 | 594452.879 | 2503.621  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-11-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.017 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE008                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cold Spring Ridge         |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4936248.518 | 567638.405 | 1474.923  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-07-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE009                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Pony Meadows              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5009390.654 | 607508.148 | 2126.329  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-15-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE010                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Carey Dome                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5025291.463 | 586783.839 | 2228.154  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-13-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.019 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE011                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Pilot Peak                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5005696.506 | 612425.075 | 1024.191  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-14-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.016 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE012                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4968984.974 | 572376.843 | 1564.895  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

**PHOTOS**





|              |                           |
|--------------|---------------------------|
| Point ID     | BE013                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4972027.003 | 571446.472 | 1538.207  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE014                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf Summit           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5015962.795 | 616453.053 | 2128.008  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-14-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE015                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5006152.868 | 567071.946 | 2168.053  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-24-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE016                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5010516.227 | 566312.550 | 2137.599  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-24-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.007 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE017                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Sloans Point              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4948147.951 | 582977.906 | 1510.431  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-08-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE018                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Oro Mountain              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

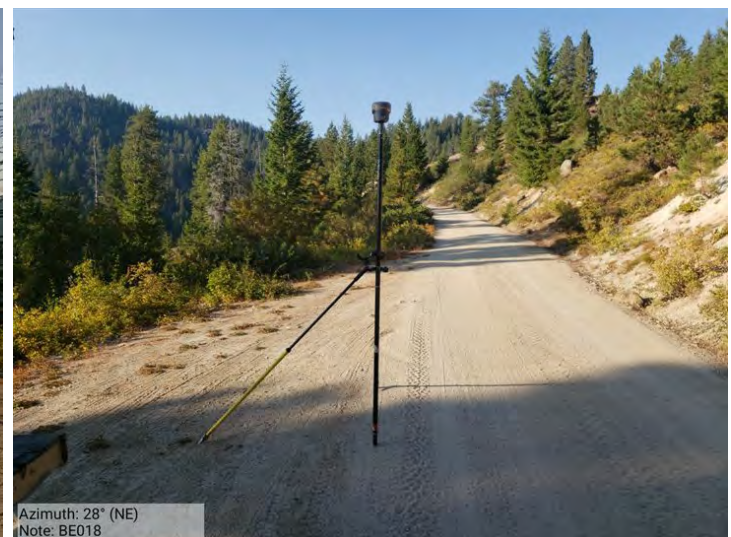
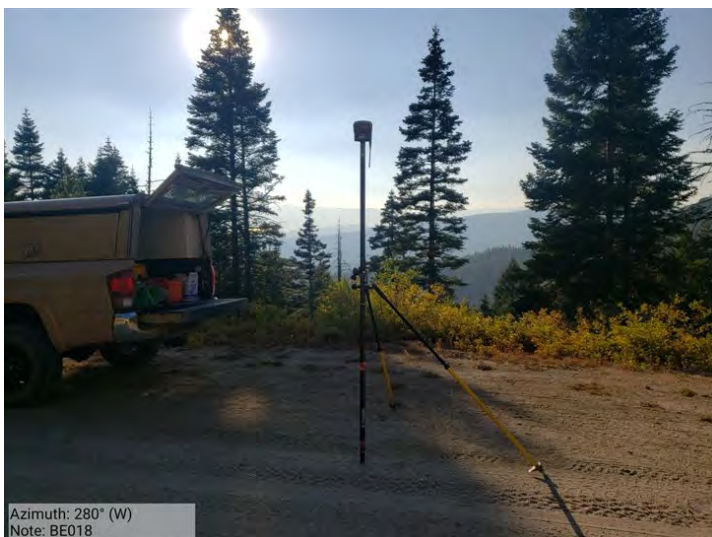
|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4931406.596 | 590495.667 | 1954.291  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-06-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.018 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE019                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Alpha                     |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4924766.364 | 575041.957 | 1479.304  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-06-2020  |
| RMSE Hz           | 0.004 m     |
| RMSE Z            | 0.009 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE020                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4959953.761 | 575227.770 | 1495.333  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.007 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE021                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Victor Peak               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5005301.801 | 579017.626 | 2051.184  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-20-2020 |
| RMSE Hz           | 0.003 m    |
| RMSE Z            | 0.009 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE022                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | No Business Mountain      |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4959103.001 | 566492.011 | 1490.186  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.015 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE023                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Carey Dome                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5028220.864 | 585724.307 | 2339.674  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-13-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE024                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5004326.683 | 566483.511 | 2228.629  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-24-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE025                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Williams Peak             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4984770.647 | 601432.293 | 1120.894  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-28-2020  |
| RMSE Hz           | 0.008 m     |
| RMSE Z            | 0.012 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE026                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4929135.944 | 576880.027 | 1448.423  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-06-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE027                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5024890.999 | 579940.488 | 1999.331  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-13-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE028                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4963162.023 | 572184.305 | 1504.159  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE029                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5006155.442 | 375856.100 | 1447.632  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-29-2020  |
| RMSE Hz           | 0.005 m     |
| RMSE Z            | 0.013 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE030                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Smiths Ferry              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4905850.742 | 572766.029 | 1381.461  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-04-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.008 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE031                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Enos Lake                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4990633.292 | 596937.353 | 1301.883  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-26-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.013 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE032                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Indian Mountain           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5005714.078 | 556364.560 | 1590.032  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-19-2020  |
| RMSE Hz           | 0.006 m     |
| RMSE Z            | 0.016 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE033                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4975571.025 | 576844.061 | 1563.149  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-09-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.019 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE034                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5003835.501 | 565457.157 | 2218.160  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-24-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

**PHOTOS**





|              |                           |
|--------------|---------------------------|
| Point ID     | BE035                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Paddy Flat                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

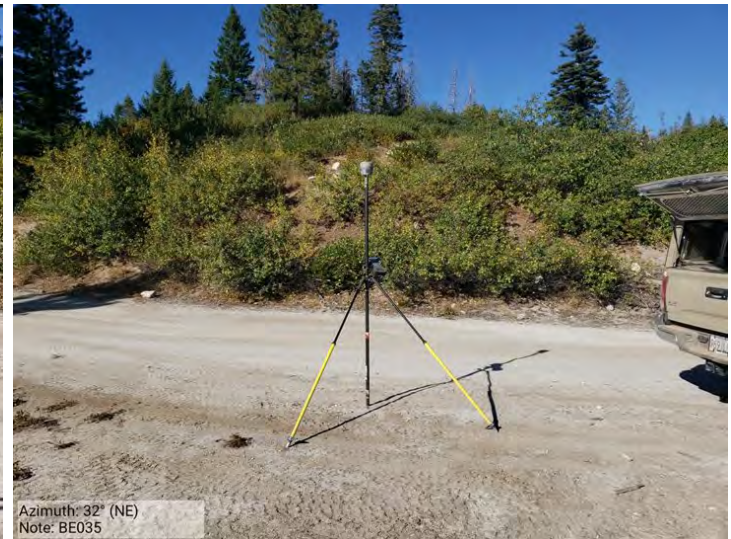
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4962124.617 | 586839.810 | 1980.259  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-08-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.013 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE036                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | War Eagle Mountain        |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5019758.892 | 592282.259 | 2236.758  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-11-2020  |
| RMSE Hz           | 0.006 m     |
| RMSE Z            | 0.012 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE037                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Fitsum Summit             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4972617.296 | 581499.952 | 2108.088  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-09-2020 |
| RMSE Hz           | 0.002 m    |
| RMSE Z            | 0.005 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE038                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4928950.792 | 571808.927 | 1486.411  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-07-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE039                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Sixmile Point             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4911943.686 | 580167.492 | 1510.883  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-04-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

**PHOTOS**





|              |                           |
|--------------|---------------------------|
| Point ID     | BE040                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4956723.239 | 573284.580 | 1489.208  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE041                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Fitsum Summit             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4981840.728 | 582411.657 | 1719.953  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-09-2020  |
| RMSE Hz           | 0.008 m     |
| RMSE Z            | 0.011 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE042                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Donnelly                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4943333.168 | 569970.123 | 1475.554  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-07-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE043                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Umatilla                  |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5003160.776 | 376151.527 | 1383.320  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-29-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.009 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE044                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Box Lake                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

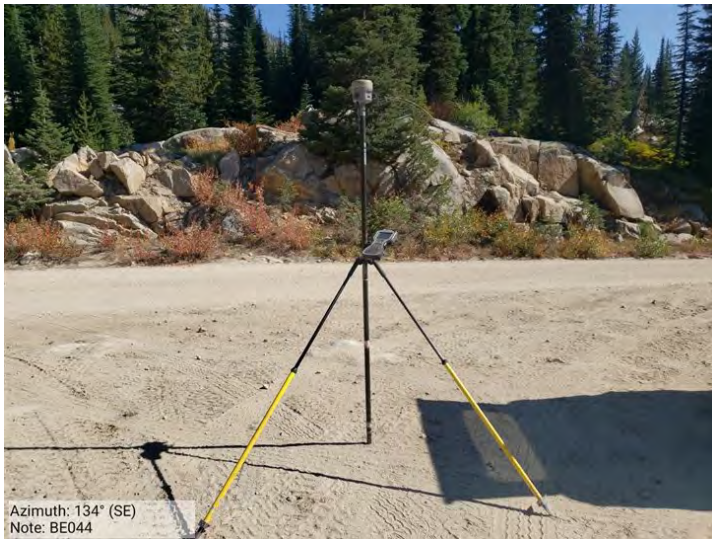
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4987489.732 | 584083.922 | 2097.791  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-09-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE045                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Gold Fork Rock            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4952073.936 | 589636.705 | 1972.802  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-08-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.013 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE046                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Alpha                     |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4919462.852 | 576624.508 | 1446.794  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-05-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE047                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Victor Peak               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5004694.128 | 580693.027 | 1953.600  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-20-2020 |
| RMSE Hz           | 0.003 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE048                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Eagle Nest                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

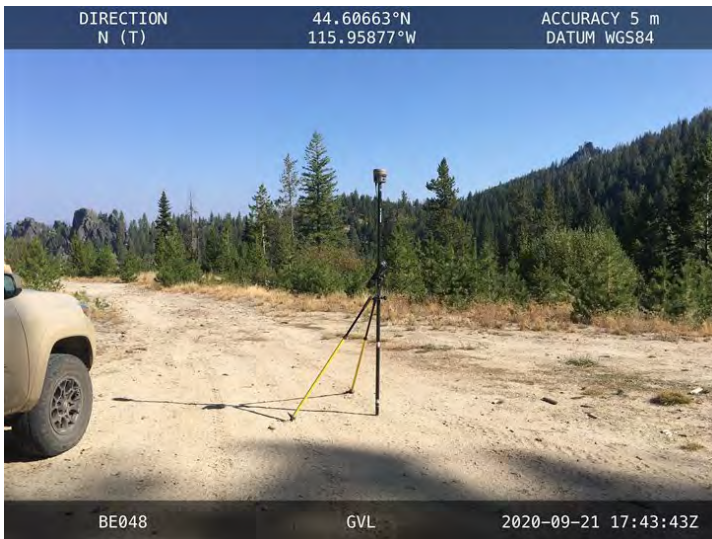
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4939782.341 | 582628.802 | 2027.885  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-21-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE049                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | No Business Mountain      |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4963735.334 | 565656.543 | 1502.079  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.018 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE050                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4937737.230 | 577915.241 | 1503.027  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-07-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE051                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Donnelly                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4951909.500 | 576691.425 | 1487.654  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-21-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.009 m    |
| GPS Method        | RTK        |

**PHOTOS**





|              |                           |
|--------------|---------------------------|
| Point ID     | BE052                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4970650.725 | 577707.666 | 1657.918  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-09-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE053                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5024496.461 | 584885.782 | 2062.100  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-13-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.018 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE054                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Fitsum Summit             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4978001.641 | 583228.112 | 1675.517  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-09-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE055                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Sixmile Point             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4906538.563 | 579888.547 | 1468.795  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-04-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE056                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | McIntyre Creek            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5014953.239 | 386476.039 | 1107.273  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-30-2020  |
| RMSE Hz           | 0.005 m     |
| RMSE Z            | 0.009 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE057                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Williams Peak             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4991101.349 | 599453.737 | 1540.176  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-26-2020 |
| RMSE Hz           | 0.002 m    |
| RMSE Z            | 0.005 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE058                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Patrick Butte             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5011516.880 | 565775.973 | 2221.203  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-18-2020 |
| RMSE Hz           | 0.002 m    |
| RMSE Z            | 0.004 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE059                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Smiths Ferry              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4909819.361 | 577284.749 | 1458.938  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-04-2020 |
| RMSE Hz           | 0.002 m    |
| RMSE Z            | 0.005 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE060                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Box Lake                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4993986.256 | 578809.021 | 2136.813  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-20-2020  |
| RMSE Hz           | 0.008 m     |
| RMSE Z            | 0.013 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE061                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Tripod Peak               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4918403.919 | 569382.240 | 2353.961  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-05-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE062                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | No Business Mountain      |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4966781.736 | 568954.618 | 1529.808  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.015 m    |
| GPS Method        | RTK        |

**PHOTOS**







|              |                           |
|--------------|---------------------------|
| Point ID     | BE063                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Pollock                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5016761.011 | 552675.845 | 1517.759  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-12-2020  |
| RMSE Hz           | 0.008 m     |
| RMSE Z            | 0.014 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE064                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lone Tree                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4951296.851 | 568327.427 | 1480.199  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.017 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE065                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Pony Meadows              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5006159.456 | 605230.913 | 2284.536  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-15-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.009 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE066                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Skunk Creek Summit        |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4924148.750 | 579599.863 | 1443.703  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-06-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE067                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5021137.111 | 582442.910 | 1949.258  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-11-2020 |
| RMSE Hz           | 0.003 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE067A                    |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5014213.916 | 585138.878 | 1863.833  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-13-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE068                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Paddy Flat                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4968996.743 | 580364.380 | 1852.543  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-23-2020  |
| RMSE Hz           | 0.010 m     |
| RMSE Z            | 0.019 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | BE069                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5004349.479 | 379898.728 | 1491.819  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-29-2020 |
| RMSE Hz           | 0.003 m    |
| RMSE Z            | 0.006 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | BE070                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Warren                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5014290.887 | 602138.667 | 1786.200  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-15-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





## URBAN AREA POINT LOG SHEETS



|              |                           |
|--------------|---------------------------|
| Point ID     | UA001                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Riggins                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

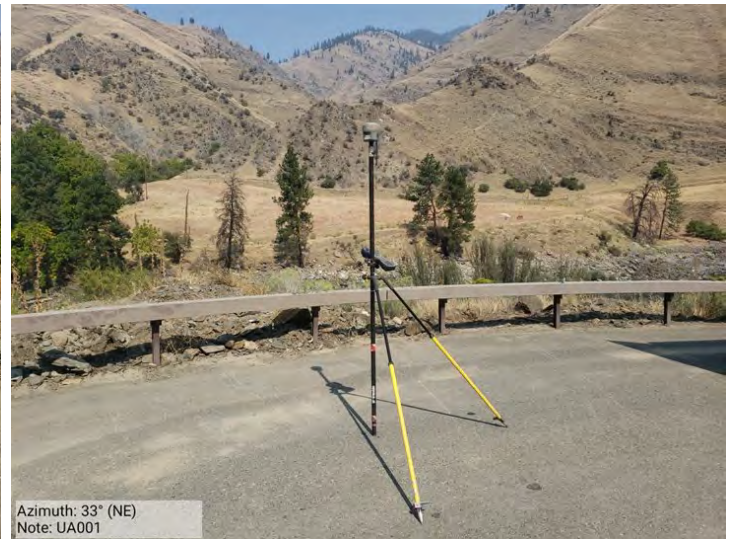
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5029045.959 | 558573.372 | 551.356   |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-12-2020  |
| RMSE Hz           | 0.012 m     |
| RMSE Z            | 0.020 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | UA002                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Williams Peak             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4985365.598 | 601290.624 | 1118.493  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-27-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | UA003                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5004505.567 | 379784.225 | 1490.162  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-29-2020 |
| RMSE Hz           | 0.003 m    |
| RMSE Z            | 0.005 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | UA004                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Smiths Ferry              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4905958.371 | 572804.247 | 1380.184  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-04-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | UA005                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Donnelly                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4953502.987 | 575419.205 | 1486.393  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-21-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.009 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | UA006                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4929129.700 | 576883.059 | 1448.326  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-06-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | UA007                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4972067.492 | 571524.782 | 1539.265  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





## TALL WEEDS POINT LOG SHEETS



|              |                           |
|--------------|---------------------------|
| Point ID     | TG001                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5006912.631 | 374494.415 | 1458.003  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-29-2020  |
| RMSE Hz           | 0.006 m     |
| RMSE Z            | 0.011 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG002                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Sloans Point              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4947791.609 | 583423.162 | 1511.447  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-21-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.018 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG003                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf Summit           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5015950.983 | 616458.390 | 2126.647  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-14-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG004                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Granite Lake              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4994010.567 | 577624.074 | 2019.303  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-20-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.016 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG005                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

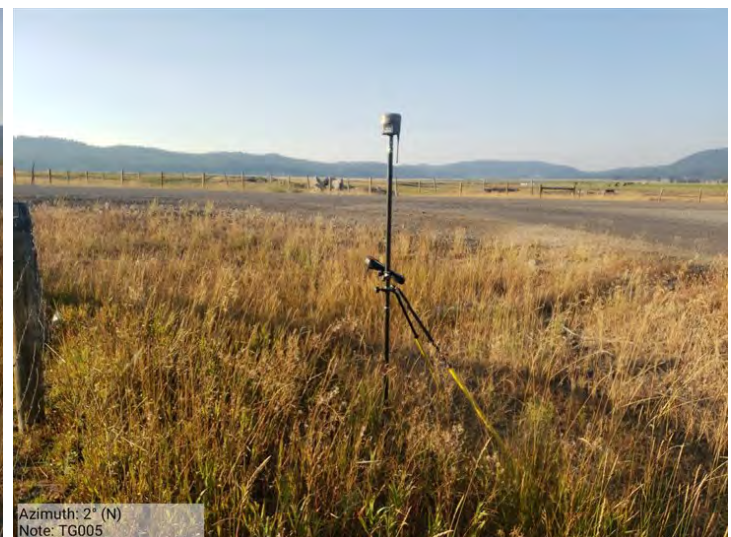
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4930957.938 | 577980.161 | 1451.357  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-06-2020 |
| RMSE Hz           | 0.003 m    |
| RMSE Z            | 0.006 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG006                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Fitsum Summit             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4972200.823 | 581599.682 | 2168.461  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-09-2020 |
| RMSE Hz           | 0.002 m    |
| RMSE Z            | 0.004 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | TG007                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5007457.735 | 381915.902 | 1284.395  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-30-2020  |
| RMSE Hz           | 0.004 m     |
| RMSE Z            | 0.009 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG008                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Smiths Ferry              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4909824.548 | 577268.425 | 1458.844  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-04-2020 |
| RMSE Hz           | 0.002 m    |
| RMSE Z            | 0.005 m    |
| GPS Method        | RTK        |

**PHOTOS**





|              |                           |
|--------------|---------------------------|
| Point ID     | TG009                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Pilot Peak                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

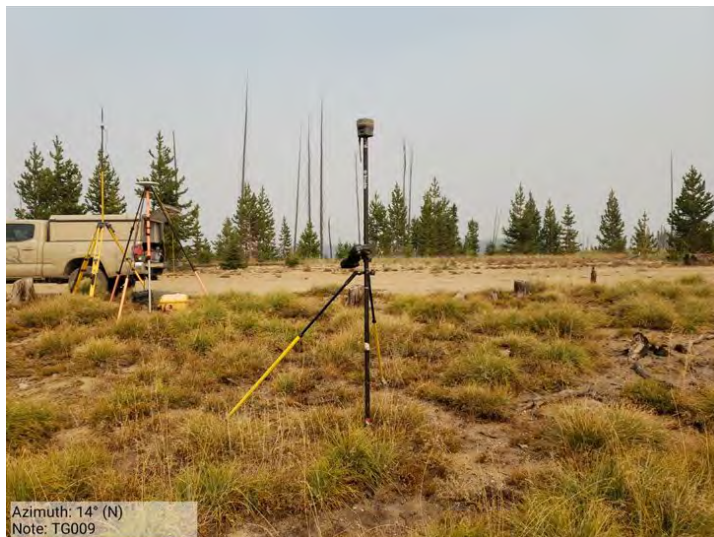
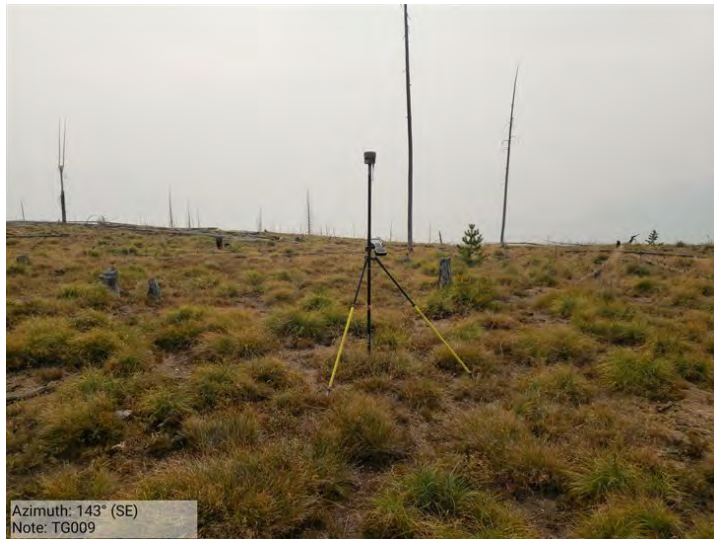
|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5010343.932 | 609679.947 | 2352.735  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-15-2020 |
| RMSE Hz           | 0.002 m    |
| RMSE Z            | 0.004 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG010                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5010760.622 | 565924.456 | 2157.137  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-18-2020 |
| RMSE Hz           | 0.003 m    |
| RMSE Z            | 0.006 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG010A                    |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4956689.776 | 570467.769 | 1487.293  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG011                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4969495.619 | 577481.070 | 1608.232  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.017 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG012                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lake Fork                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4968978.948 | 572383.052 | 1564.836  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG013                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | No Business Mountain      |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4966773.920 | 568974.433 | 1529.953  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.008 m    |
| RMSE Z            | 0.017 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | TG014                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5008165.043 | 567019.578 | 2116.274  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-24-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.008 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | TG015                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Teapot Mountain           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4971411.625 | 601740.917 | 1264.932  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-27-2020  |
| RMSE Hz           | 0.012 m     |
| RMSE Z            | 0.017 m     |
| GPS Method        | Fast-Static |

PHOTOS





## FOREST POINT LOG SHEETS



|              |                           |
|--------------|---------------------------|
| Point ID     | FR001                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4972000.253 | 570096.943 | 1508.087  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-22-2020    |
| RMSE Hz           | 0.023 m       |
| RMSE Z            | 0.029 m       |
| GPS Method        | Total Station |

**PHOTOS**





|              |                           |
|--------------|---------------------------|
| Point ID     | FR002                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4937773.850 | 577911.495 | 1504.957  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-07-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.025 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR003                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4969913.802 | 577526.374 | 1611.488  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-23-2020    |
| RMSE Hz           | 0.029 m       |
| RMSE Z            | 0.044 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR004                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Alpha                     |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4927756.906 | 572745.881 | 1477.603  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-07-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.025 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR005                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Alpha                     |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

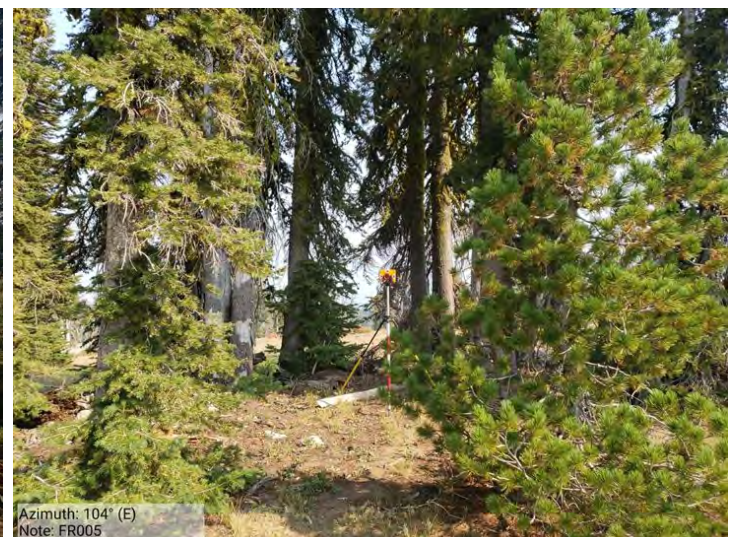
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4918320.182 | 570294.043 | 2290.731  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-05-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.026 m       |
| GPS Method        | Total Station |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | FR006                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Pony Meadows              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5006144.122 | 605224.336 | 2284.376  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-15-2020    |
| RMSE Hz           | 0.020 m       |
| RMSE Z            | 0.027 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR007                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5008126.985 | 567025.643 | 2116.821  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-24-2020    |
| RMSE Hz           | 0.022 m       |
| RMSE Z            | 0.028 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR008                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Victor Peak               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5005909.930 | 578815.022 | 2119.444  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-20-2020    |
| RMSE Hz           | 0.019 m       |
| RMSE Z            | 0.026 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR009                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4969925.328 | 577550.746 | 1612.698  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-23-2020    |
| RMSE Hz           | 0.029 m       |
| RMSE Z            | 0.044 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR010                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Eagle Nest                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4940997.543 | 583616.877 | 2040.244  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-21-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.024 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR011                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

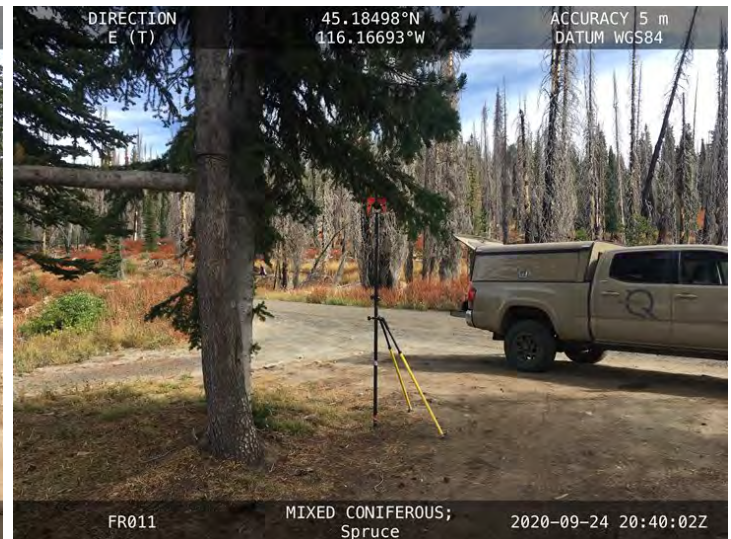
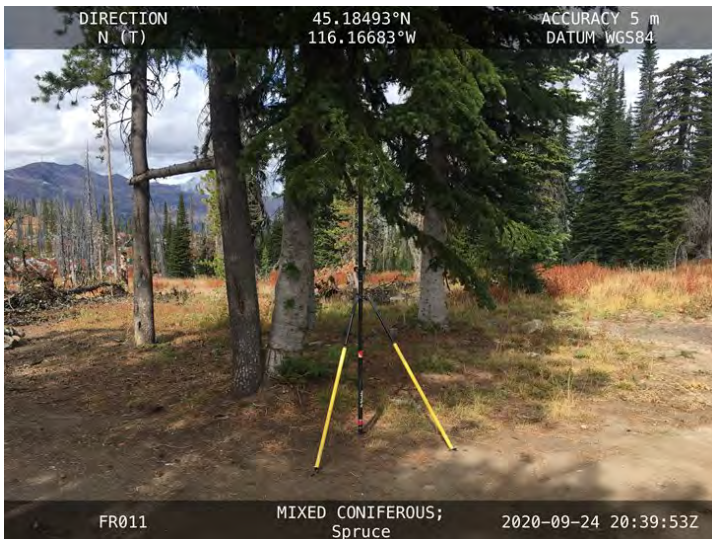
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5003836.066 | 565449.729 | 2218.069  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-24-2020    |
| RMSE Hz           | 0.019 m       |
| RMSE Z            | 0.028 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR012                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cold Spring Ridge         |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4936289.202 | 567631.959 | 1475.917  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-07-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.024 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR013                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Black Tip                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

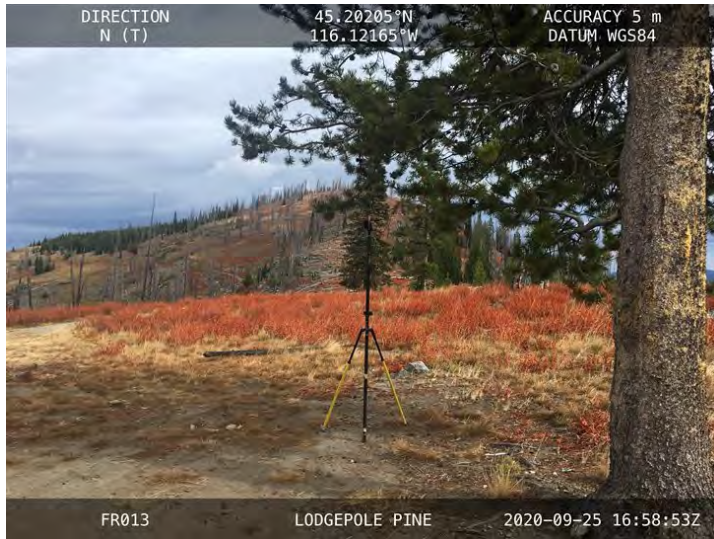
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5005776.972 | 568985.756 | 2316.327  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-25-2020    |
| RMSE Hz           | 0.021 m       |
| RMSE Z            | 0.031 m       |
| GPS Method        | Total Station |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | FR014                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5006137.228 | 375789.628 | 1443.210  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-29-2020    |
| RMSE Hz           | 0.019 m       |
| RMSE Z            | 0.033 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR015                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5006833.484 | 566635.765 | 2149.026  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-19-2020    |
| RMSE Hz           | 0.017 m       |
| RMSE Z            | 0.022 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR016                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Enos Lake                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4990634.376 | 596928.364 | 1302.200  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-26-2020    |
| RMSE Hz           | 0.019 m       |
| RMSE Z            | 0.027 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR017                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Union                     |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5004372.735 | 379907.137 | 1492.254  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-29-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.024 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR018                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Sloans Point              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4948136.969 | 583016.163 | 1510.914  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-08-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.024 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR019                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Teapot Mountain           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4971645.017 | 601722.124 | 1267.804  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-27-2020    |
| RMSE Hz           | 0.029 m       |
| RMSE Z            | 0.043 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR020                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Eagle Nest                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4929244.218 | 585914.822 | 1539.669  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-06-2020    |
| RMSE Hz           | 0.022 m       |
| RMSE Z            | 0.030 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR021                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5008535.105 | 564639.511 | 1707.895  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-18-2020    |
| RMSE Hz           | 0.017 m       |
| RMSE Z            | 0.022 m       |
| GPS Method        | Total Station |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | FR022                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4969923.501 | 577560.644 | 1613.046  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-23-2020    |
| RMSE Hz           | 0.029 m       |
| RMSE Z            | 0.044 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR023                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

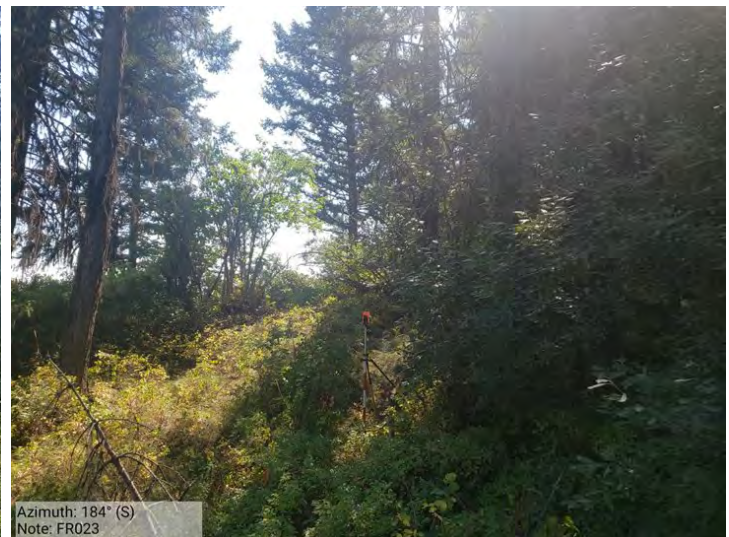
|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4975250.964 | 575507.492 | 1565.275  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-10-2020    |
| RMSE Hz           | 0.021 m       |
| RMSE Z            | 0.030 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR024                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Teapot Mountain           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4971624.196 | 602054.138 | 1241.984  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-27-2020    |
| RMSE Hz           | 0.029 m       |
| RMSE Z            | 0.047 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR025                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Pony Meadows              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5009427.004 | 607486.646 | 2125.579  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-15-2020    |
| RMSE Hz           | 0.021 m       |
| RMSE Z            | 0.030 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR026                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Williams Peak             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4989024.178 | 598766.161 | 1294.462  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-26-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.022 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR027                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5021135.268 | 582479.076 | 1950.796  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-13-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.030 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR028                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Skunk Creek Summit        |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4915121.023 | 585125.139 | 2091.125  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-05-2020    |
| RMSE Hz           | 0.019 m       |
| RMSE Z            | 0.028 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR029                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Oregon                    |
| County       | Umatilla                  |
| Quad         | Sullivan Gulch            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System |             |
|                   | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5003206.246 | 376170.295 | 1381.771  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-29-2020    |
| RMSE Hz           | 0.017 m       |
| RMSE Z            | 0.023 m       |
| GPS Method        | Total Station |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | FR030                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Williams Peak             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4985225.170 | 601316.271 | 1121.115  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-28-2020    |
| RMSE Hz           | 0.018 m       |
| RMSE Z            | 0.024 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR031                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Fitsum Summit             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4972377.563 | 580667.881 | 2035.573  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | LJR                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-10-2020    |
| RMSE Hz           | 0.016 m       |
| RMSE Z            | 0.021 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR032                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | No Business Mountain      |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4955513.275 | 564293.975 | 1776.148  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-22-2020    |
| RMSE Hz           | 0.019 m       |
| RMSE Z            | 0.028 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR033                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Hazard Lake               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5010510.377 | 566323.770 | 2137.811  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-24-2020    |
| RMSE Hz           | 0.019 m       |
| RMSE Z            | 0.028 m       |
| GPS Method        | Total Station |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | FR034                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Lone Tree                 |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4951283.678 | 568340.482 | 1479.931  |

|                |                                   |
|----------------|-----------------------------------|
| Operator       | CPB                               |
| Receiver Model | Nikon NPL-322+ 5" P Total Station |
| Receiver S/N   |                                   |
| Antenna Height | 2.000 m                           |

|                   |               |
|-------------------|---------------|
| Date (MM-DD-YYYY) | 09-22-2020    |
| RMSE Hz           | 0.021 m       |
| RMSE Z            | 0.031 m       |
| GPS Method        | Total Station |

**PHOTOS**





## BRUSHLAND POINT LOG SHEETS



|              |                           |
|--------------|---------------------------|
| Point ID     | SH001                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Victor Peak               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5003049.355 | 578789.572 | 1836.205  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-20-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.013 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH002                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Sloans Point              |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4948266.663 | 582508.340 | 1507.206  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-21-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | SH003                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | McCall                    |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

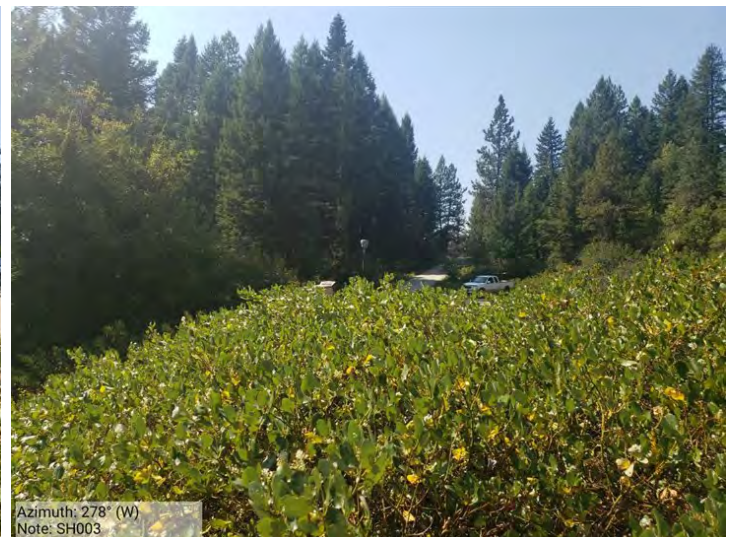
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4975263.804 | 575555.982 | 1565.086  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-10-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH004                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Burgdorf Summit           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5015961.239 | 616434.713 | 2127.807  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-14-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH005                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Donnelly                  |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4952720.827 | 569443.806 | 1481.001  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.010 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH006                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Williams Peak             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4985175.061 | 601312.298 | 1121.407  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-28-2020  |
| RMSE Hz           | 0.005 m     |
| RMSE Z            | 0.009 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH007                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Teapot Mountain           |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4971397.210 | 601728.956 | 1264.137  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |             |
|-------------------|-------------|
| Date (MM-DD-YYYY) | 09-27-2020  |
| RMSE Hz           | 0.011 m     |
| RMSE Z            | 0.019 m     |
| GPS Method        | Fast-Static |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH008                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Alpha                     |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

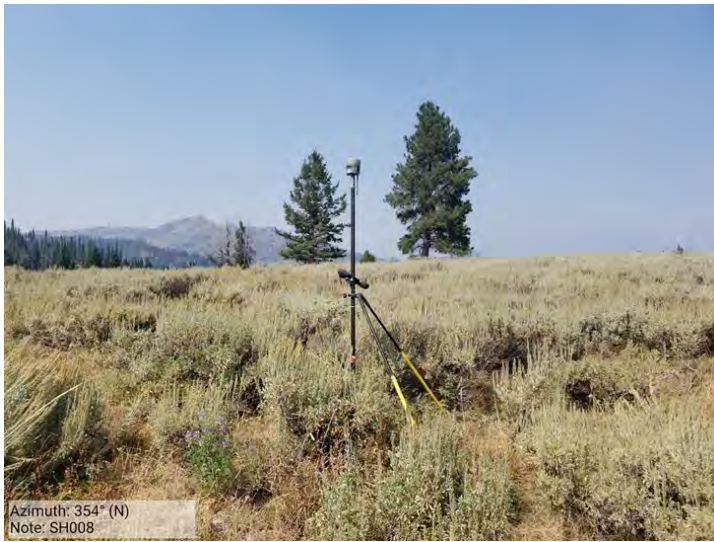
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4918435.803 | 571456.382 | 2153.824  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-05-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH009                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |
|-------------------|
| Coordinate System |
| UTM 11N           |
| NAD83(2011)       |
| NAVD88            |
| GEOID18           |
| Meters            |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4931318.539 | 576299.992 | 1462.032  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-07-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.007 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH010                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Paddy Flat                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

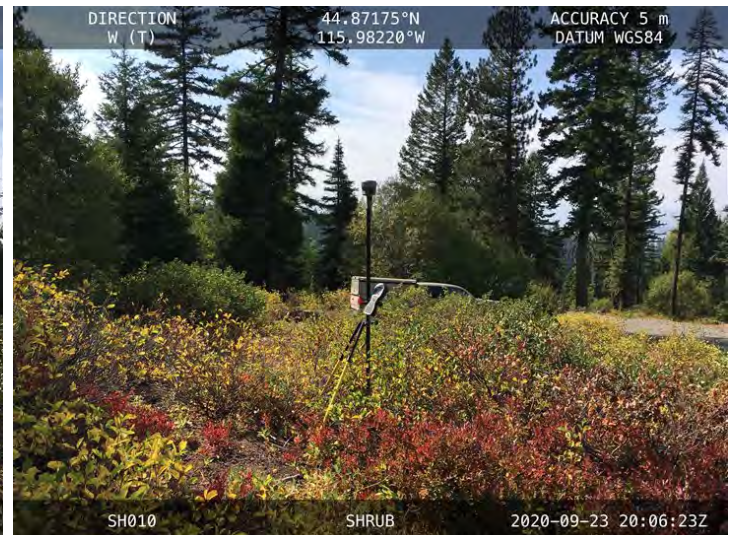
|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4969203.572 | 580392.175 | 1883.366  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-23-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.013 m    |
| GPS Method        | RTK        |

PHOTOS







|              |                           |
|--------------|---------------------------|
| Point ID     | SH011                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Victor Peak               |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5004710.754 | 580765.421 | 1954.187  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-20-2020 |
| RMSE Hz           | 0.004 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH012                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Pilot Peak                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5000983.325 | 611054.533 | 975.953   |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-14-2020 |
| RMSE Hz           | 0.007 m    |
| RMSE Z            | 0.013 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH013                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Sixmile Point             |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4911957.582 | 580189.323 | 1511.260  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-04-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH014                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Gold Fork Rock            |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |             |
|-------------------|-------------|
| Coordinate System | UTM 11N     |
|                   | NAD83(2011) |
|                   | NAVD88      |
|                   | GEOID18     |
|                   | Meters      |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4950092.426 | 589910.226 | 1880.825  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-08-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH015                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | No Business Mountain      |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4961850.550 | 565678.723 | 1496.223  |

|                |             |
|----------------|-------------|
| Operator       | CPB         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-22-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.014 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH016                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Idaho                     |
| Quad         | Carey Dome                |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 5028210.132 | 585718.717 | 2340.023  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-13-2020 |
| RMSE Hz           | 0.005 m    |
| RMSE Z            | 0.011 m    |
| GPS Method        | RTK        |

PHOTOS





|              |                           |
|--------------|---------------------------|
| Point ID     | SH017                     |
| Project No.  | 37557                     |
| Project Name | USGS - North Fork Payette |
| State        | Idaho                     |
| County       | Valley                    |
| Quad         | Cascade                   |

|   |                      |
|---|----------------------|
|   | Aerial Target        |
|   | LiDAR Ground Control |
| X | LiDAR QC Point       |
|   | New Control          |
|   | Photo ID             |
|   | Published Control    |

|                   |  |
|-------------------|--|
| Coordinate System |  |
| UTM 11N           |  |
| NAD83(2011)       |  |
| NAVD88            |  |
| GEOID18           |  |
| Meters            |  |

| Northing    | Easting    | Elevation |
|-------------|------------|-----------|
| 4938938.061 | 574639.740 | 1487.562  |

|                |             |
|----------------|-------------|
| Operator       | LJR         |
| Receiver Model | Trimble R10 |
| Receiver S/N   | 8783        |
| Antenna Height | 2.000 m     |

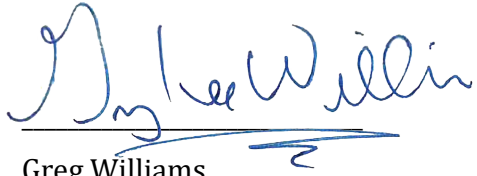
|                   |            |
|-------------------|------------|
| Date (MM-DD-YYYY) | 09-07-2020 |
| RMSE Hz           | 0.006 m    |
| RMSE Z            | 0.012 m    |
| GPS Method        | RTK        |

PHOTOS



Quantum Spatial, Inc. provided lidar services for the ID\_NorthernID\_2019\_D19 project as described in this report.

I, Greg Williams, have reviewed the attached report for completeness and hereby state that it is a complete and accurate report of this project.

A handwritten signature in blue ink that reads "Greg Williams". The signature is written in a cursive style and is positioned above a horizontal line.

Greg Williams

Project Manager

Quantum Spatial, Inc.



I, Steven J. Hyde, being a Licensed Professional Land Surveyor in the State of Idaho, hereby certify to the best of my professional knowledge and belief that the survey methodologies, static GNSS occupations used during airborne flights, and ground survey point collection and results shown for the Idaho portion on the attached report titled, Survey Report of LiDAR Calibrations & Quality Control Points ID\_NorthForkPayette\_2020\_B20 dated October 13, 2020, were performed and obtained utilizing commonly acceptable survey standards, practices and procedures. The survey portion of this project was accomplished between September 04, 2020 through September 30, 2020

I have reviewed the accuracy statements as part of my oversight and found them to meet the National Standards for Spatial Accuracy (NSSDA) shown.

---

Steven J. Hyde PLS 10235  
10033 MLK Street N  
St. Petersburg, FL 33716

10/12/2020

I, Evon P. Silvia, PLS, being duly registered as a Professional Land Surveyor in and by the state of Oregon, hereby certify that the methodologies, static GNSS occupations used during airborne flights, and ground survey point collection were performed using commonly accepted Standard Practices. Ground survey field work for this report was conducted on September 4-30, 2020.

Accuracy statistics shown in the Accuracy Section of this Report have been reviewed by me and found to meet the "National Standard for Spatial Data Accuracy".

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

---

Evon P. Silvia, PLS  
Quantum Spatial, Inc.  
Corvallis, OR 97330

OREGON  
JUNE 10, 2014  
EVON P. SILVIA  
81104LS

EXPIRES: 06/30/2022