

Ground Control Survey Report for the U.S. Geological Survey

Contractor: Woolpert

Date: August 2021

Contract : G16PC00022

Task Order: 140G0220F0290

Project Name: WY North Converse 2021 D20



Table of Contents

1. Survey Report	3
1.1. Introduction.....	3
1.2. Project Area	3
1.3. Purpose.....	3
1.4. Date of Survey	3
1.5. Monumentation	3
1.6. Accuracy Standards	3
1.7. GPS Equipment.....	4
1.8. Methodology	4
1.8.1. Static GPS.....	4
1.8.2. Real-time Kinematic (RTK) GPS.....	4
1.8.3. GPS Data Analysis and Processing	4
1.8.4. Datum Reference and Final Coordinates.....	4
1.8.5. Quality Assurance	4
2. Ground Control/Geodetic Control Coordinates	4
2.1. Ground Control – Worldwide UTM	4
2.2. Ground Control-Geodetic Coordinate System	25
2.3. Ground Control-Worldwide/UTM Coordinate System.....	45
2.4. Ground Control-Geodetic Coordinate System	65
3. Control Diagram	85
4. Control Logs.....	Error! Bookmark not defined.

1. Survey Report

1.1. Introduction

This report contains a comprehensive outline of the Ground Control Survey that supported the lidar data collected for the task order. All survey activity was performed to achieve ground control accuracies that meet or exceed the National Mapping Accuracy Standards.

1.2. Project Area

The project area consists of approximately 24,500 square miles across North Central and Eastern Wyoming.

Figure 1.2.1 – Defined Project Area



1.3. Purpose

The purpose of this survey was to establish three-dimensional coordinates for 223 lidar control points, 374 non-vegetated checkpoints, and 252 vegetated check points. The points were collected per the flight layout and were uniformly dispersed over the project area.

1.4. Date of Survey

Ground control field operations were conducted from May 8, 2021 through August 14, 2021.

1.5. Monumentation

Prior to aerial imagery acquisition, Woolpert field crews performed a field reconnaissance to verify the existence and suitability of pre-selected existing National Geodetic Survey (NGS) control stations. Existing NSRS control stations were utilized as checks to ensure that quality x, y, z coordinate values were computed for each of the newly established photogrammetric control stations. Recovery information sheets for the existing NGS control stations can be found in [Section 3](#). A control diagram can be found in Section 4. of this report.

1.6. Accuracy Standards

The relative vertical accuracy of the LiDAR data will be 10 cm RMSEz with swath overlap (between adjacent swaths) and an absolute vertical accuracy of 15cm RMSE.

1.7. GPS Equipment

Woolpert survey crews used the following GPS equipment:

- Five (5) Trimble Navigation R8 model GNSS dual-frequency GPS receivers
- Six (6) R10 Model GNSS dual- frequency GPS receivers
- Six (6) TSC3 data collectors

1.8. Methodology

1.8.1. Static GPS

The field crew utilized Static GPS surveying throughout the ground control data collection process. The survey was conducted using a 5-second epoch rate with each observation lasting at least 30 minutes. Each station was occupied twice to ensure the required horizontal and vertical accuracies were met.

1.8.2. Real-time Kinematic (RTK) GPS

The field crew utilized Real-Time Kinematic (RTK) GPS surveying throughout the ground control data collection process. The survey was conducted using a 1-second epoch rate, in a fixed solution RTK mode, with each observation lasting between 60 and 180 seconds. Each station was occupied twice to insure the required horizontal and vertical accuracies were met.

1.8.3. GPS Data Analysis and Processing

The field crew chief processed all session baselines each day using Trimble Navigation’s Trimble Business Center (TBC) software, version 5.60 baseline processor, with the accompanying broadcast ephemeris. Daily processing ensured the integrity of the network as it was constructed and allowing the field crews to immediately reschedule observations of any poor baselines.

1.8.4. Datum Reference and Final Coordinates

The spatial reference system for the project is NAD83 2011 (2010.00 epoch). Orthometric heights are based on NAVD88 vertical datum, Geoid18 was used to determine the orthometric heights from the ellipsoid heights. The projected coordinates are displayed in Universal Transverse Mercator, Zones 12 and 13 (UTM12 and UTM13). Units for both the horizontal and vertical datums will be expressed in Meters to three (3) decimal places.

1.8.5. Quality Assurance

Existing NGS published benchmarks were surveyed to assure that there were no discrepancies in the field observation data. Close examinations of the residuals showed no distortions in orientation or scale. Ground control data meets positional accuracies necessary to support 1.0 point per 0.3 meters squared (1-foot GSD) data at 95% confidence level as outlined in the Geospatial Positioning Accuracy Standards, Part 3: National Standard for Spatial Data Accuracy (NSSDA), published by the Federal Geographic Data Committee (FGDC-STD-007.3-1998).

2. Ground Control/Geodetic Control Coordinates

2.1. Ground Control – Worldwide UTM

- Horizontal Datum: NAD 1983 (Conus) 2011
- Horizontal Projection: 12N
- Vertical Datum: NAVD88
- Geoid Model: Geoid18 (Conus)
- Units: Meters

Table 2.1 Ground Control -Worldwide UTM

Point Number	UTM 12N Northing (M)	UTM 12N Easting (M)	Orthometric Height (M)	Description
1001_2021_WY	4744604.175	950180.396	1646.706	LCP
1002_2021_WY	4740614.609	980240.716	1451.730	LCP
1003_2021_WY	4749082.063	988747.144	1533.516	LCP
1004_2021_WY	4730105.993	934845.888	1846.025	LCP
1005_2021_WY	4742321.461	943322.023	1728.924	LCP
1006_2021_WY	4714855.779	964522.527	1921.265	LCP
1007_2021_WY	4738643.223	968298.570	1446.555	LCP
1008_2021_WY	4763236.375	921938.913	1623.964	LCP
1009_2021_WY	4744080.020	925967.389	1934.493	LCP
1010_2021_WY	4758021.864	916963.931	1537.432	LCP
1011_2021_WY	4747338.052	937938.649	1690.504	LCP
1012_2021_WY	4755816.596	908792.806	1542.913	LCP
1013_2021_WY	4757221.743	904823.102	1544.626	LCP
1014_2021_WY	4746776.552	999496.278	1549.711	LCP
1015_2021_WY	4752235.921	996048.189	1524.321	LCP
1016_2021_WY	4739050.882	975757.033	1450.936	LCP
1017_2021_WY	4826137.663	910504.488	1662.409	LCP
1018_2021_WY	4757149.308	912535.236	1541.610	LCP
1019_2021_WY	4779203.793	919296.850	1747.262	LCP
1020_2021_WY	4798025.420	991688.291	1371.790	LCP
1021_2021_WY	4783956.291	912480.878	1798.078	LCP
1022_2021_WY	4811211.578	932206.610	1543.990	LCP
1023_2021_WY	4807944.403	961514.959	1441.194	LCP
1024_2021_WY	4837581.415	947539.822	1504.678	LCP
1025_2021_WY	4848961.353	905382.308	1444.564	LCP
1026_2021_WY	4846537.571	930561.072	1579.852	LCP
1026A_2021_WY	4846841.919	931206.801	1593.433	LCP
1027_2021_WY	4812821.412	972132.242	1415.279	LCP
1028_2021_WY	4829393.411	949272.015	1453.091	LCP
1029_2021_WY	4811598.748	984404.871	1455.794	LCP
1030_2021_WY	4817443.571	954841.881	1489.400	LCP
1031_2021_WY	4781276.439	967081.700	1469.566	LCP
1033_2021_WY	4831281.187	536333.261	2136.437	LCP
1035_2021_WY	4844967.680	506051.912	2113.452	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1036_2021_WY	4796869.103	544875.678	2049.738	LCP
1037_2021_WY	4827579.402	548547.590	2225.703	LCP
1038_2021_WY	4847152.707	539160.492	2126.400	LCP
1039_2021_WY	4825973.622	553030.670	2264.193	LCP
1041_2021_WY	4860729.804	501854.776	2415.405	LCP
1043_2021_WY	4816362.592	505002.955	2442.875	LCP
1044_2021_WY	4846393.719	574070.917	2811.040	LCP
1045_2021_WY	4825695.146	560164.845	2433.407	LCP
1046_2021_WY	4846862.933	554005.733	2462.555	LCP
1047_2021_WY	4851874.743	565291.974	2641.943	LCP
1048_2021_WY	4848351.866	569337.578	2684.898	LCP
1049_2021_WY	4804724.523	570303.346	2647.361	LCP
1050_2021_WY	4827827.998	781471.306	1794.045	LCP
1051_2021_WY	4839670.235	792485.238	1523.121	LCP
1052_2021_WY	4853254.240	797690.309	1518.021	LCP
1053_2021_WY	4871382.986	795615.430	1450.158	LCP
1054_2021_WY	4908357.278	776331.489	1460.238	LCP
1055_2021_WY	4880758.327	782946.672	1345.740	LCP
1056_2021_WY	4896880.711	804149.551	2678.414	LCP
1057_2021_WY	4852015.466	802760.454	1955.764	LCP
1058_2021_WY	4823589.521	812939.084	2472.096	LCP
1059_2021_WY	4832092.366	811467.936	2213.430	LCP
1060_2021_WY	4903635.619	755769.666	1240.759	LCP
1061_2021_WY	4885504.976	905965.162	1495.189	LCP
1062_2021_WY	4887293.287	901435.221	1471.272	LCP
1063_2021_WY	4874063.253	913338.381	1501.626	LCP
1064_2021_WY	4865630.330	912908.309	1583.857	LCP
1065_2021_WY	4841434.735	919138.474	1649.857	LCP
1066_2021_WY	4919845.013	956269.781	1331.449	LCP
1067_2021_WY	4909432.956	943297.954	1444.078	LCP
1067A_2021_WY	4908146.205	942500.479	1463.612	LCP
1068_2021_WY	4896883.851	943275.683	1381.299	LCP
1069_2021_WY	4891383.499	917778.814	1515.398	LCP
1070_2021_WY	4880027.499	945749.476	1415.423	LCP
1071_2021_WY	4862435.823	972002.705	1378.117	LCP
1071A_2021_WY	4857794.072	971783.346	1412.585	LCP
1072_2021_WY	4855752.113	958466.677	1436.470	LCP
1073_2021_WY	4847633.397	966161.465	1434.491	LCP
1073A_2021_WY	4846974.357	962538.939	1477.280	LCP
1074_2021_WY	4923795.599	952291.468	1383.912	LCP
1075_2021_WY	4917957.956	967429.090	1318.947	LCP
1076_2021_WY	4917995.737	736169.401	1177.542	LCP
1077_2021_WY	4861436.078	751637.964	1348.561	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1078_2021_WY	4867967.401	744323.041	1297.755	LCP
1079_2021_WY	4961361.138	698166.147	1248.104	LCP
1080_2021_WY	4912603.973	632664.250	1790.343	LCP
1081_2021_WY	4889154.573	724331.370	1320.575	LCP
1082_2021_WY	4886816.662	727924.117	1315.798	LCP
1083_2021_WY	4902087.088	652001.536	2200.572	LCP
1084_2021_WY	4874892.150	740465.366	1252.358	LCP
1085_2021_WY	4883946.748	651991.196	1991.835	LCP
1086_2021_WY	4882181.108	648173.432	2105.189	LCP
1087A_2021_WY	4866453.147	643313.890	2497.819	LCP
1088_2021_WY	4921570.115	700339.921	1373.153	LCP
1089_2021_WY	4909199.404	664301.791	1721.415	LCP
1090_2021_WY	4891264.384	611090.706	1942.377	LCP
1091_2021_WY	4908542.063	626598.378	1840.960	LCP
1092_2021_WY	4890488.260	714044.669	1372.132	LCP
1093_2021_WY	4884714.838	660891.038	1908.952	LCP
1094_2021_WY	4905617.785	769860.924	1376.019	LCP
1095_2021_WY	4904700.047	623167.737	1963.451	LCP
1096_2021_WY	4888996.918	673531.851	1889.858	LCP
1097_2021_WY	4929105.216	640130.523	1653.337	LCP
1098_2021_WY	4908133.194	679320.420	1609.564	LCP
1099_2021_WY	4897611.281	699561.688	1439.054	LCP
1100_2021_WY	4897344.861	808657.282	2841.825	LCP
1101_2021_WY	4946005.278	775987.773	2560.256	LCP
1102_2021_WY	4941806.543	763398.620	1437.153	LCP
1103_2021_WY	4984333.300	745669.746	2721.996	LCP
1104_2021_WY	4943595.651	751412.182	1359.401	LCP
1105_2021_WY	4902139.331	763906.443	1305.764	LCP
1106_2021_WY	4923184.217	726919.022	1211.065	LCP
1107_2021_WY	4954995.627	724530.967	1143.583	LCP
1108_2021_WY	4920794.739	720121.642	1249.336	LCP
1109_2021_WY	4985144.256	715879.676	1213.654	LCP
1110_2021_WY	4934014.568	781273.575	2895.742	LCP
1111_2021_WY	4967942.518	709307.338	1169.493	LCP
1112_2021_WY	4938450.643	778055.840	2341.183	LCP
1113_2021_WY	4917886.413	705194.413	1340.429	LCP
1114_2021_WY	4954131.220	614693.968	2073.980	LCP
1115_2021_WY	4961489.466	623027.191	2011.830	LCP
1116_2021_WY	4965651.388	682512.977	1361.106	LCP
1117_2021_WY	4958000.101	676366.512	1344.694	LCP
1118_2021_WY	4927506.745	675731.090	1574.237	LCP
1119_2021_WY	4915166.097	786675.937	2660.730	LCP
1120_2021_WY	4921199.441	642552.154	1689.914	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1121_2021_WY	4938122.702	659097.118	1509.912	LCP
1122_2021_WY	4979150.458	619589.152	3110.373	LCP
1123_2021_WY	4927026.831	684614.090	1494.529	LCP
1124_2021_WY	4981981.207	590708.380	2247.314	LCP
1125_2021_WY	4976355.188	605896.518	2427.954	LCP
1126A_2021_WY	4977443.308	596456.711	2108.164	LCP
1127_2021_WY	4923472.496	601728.023	1868.927	LCP
1128_2021_WY	4922982.112	594296.332	1936.910	LCP
1129_2021_WY	4980791.872	623068.453	3277.357	LCP
1130_2021_WY	4975084.863	601761.987	2106.027	LCP
1131_2021_WY	4924791.283	623970.182	1721.139	LCP
1132_2021_WY	4950192.912	689188.222	1307.236	LCP
1133_2021_WY	4980968.778	654037.289	1265.764	LCP
1134_2021_WY	4933301.838	656304.113	1510.207	LCP
1135_2021_WY	4900632.316	618468.927	1872.614	LCP
1136_2021_WY	4940923.839	642253.239	2011.272	LCP
1137_2021_WY	4925473.936	971715.833	1313.016	LCP
1138_2021_WY	4964370.184	904823.508	1200.966	LCP
1139_2021_WY	4953341.753	919349.508	1274.306	LCP
1140_2021_WY	4960650.720	896035.466	1195.954	LCP
1141_2021_WY	4921996.989	920197.050	1441.023	LCP
1142_2021_WY	4924827.222	936490.033	1322.249	LCP
1143_2021_WY	4939528.539	929394.566	1294.523	LCP
1144_2021_WY	4963415.159	914051.950	1264.454	LCP
1145_2021_WY	4979489.596	958718.030	1209.657	LCP
1146_2021_WY	4972747.907	944235.520	1092.697	LCP
1147_2021_WY	4964797.763	968094.255	1229.862	LCP
1148_2021_WY	4963563.185	909539.101	1221.888	LCP
1149_2021_WY	4965347.764	962099.269	1276.136	LCP
1150_2021_WY	4959615.242	950971.745	1127.262	LCP
1151_2021_WY	4927234.686	584558.685	2022.737	LCP
1152_2021_WY	4946557.158	924372.995	1256.090	LCP
1153_2021_WY	4945058.203	941640.565	1217.323	LCP
1153A_2021_WY	4933741.016	941377.963	1270.152	LCP
1154_2021_WY	4983239.863	944614.039	1074.175	LCP
1155_2021_WY	4967911.026	644180.414	1290.117	LCP
1156_2021_WY	4980908.721	642277.489	1409.359	LCP
1157_2021_WY	4937361.852	653872.022	1561.968	LCP
1158_2021_WY	4947815.076	716608.258	1348.601	LCP
1161_2021_WY	4888849.799	609991.317	1954.151	LCP
1162_2021_WY	4893910.276	613577.569	1915.475	LCP
1163_2021_WY	4896040.509	615376.676	1902.067	LCP
1164_2021_WY	4909539.944	627795.495	1803.090	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1165_2021_WY	4910802.841	629439.532	1791.358	LCP
1166_2021_WY	4911492.671	683010.641	1560.777	LCP
1167_2021_WY	4924984.051	575249.869	2258.035	LCP
1168_2021_WY	4924249.034	610151.006	1807.175	LCP
1169_2021_WY	4924064.009	617275.492	1769.016	LCP
1170_2021_WY	4929493.683	666555.692	1609.455	LCP
1171_2021_WY	4968429.456	702581.903	1188.625	LCP
1172_2021_WY	4885567.674	790155.733	1456.173	LCP
1173_2021_WY	4864696.111	734341.808	1264.554	LCP
1174_2021_WY	4931095.820	738253.217	1217.935	LCP
1175_2021_WY	4934223.515	743088.902	1215.563	LCP
1176_2021_WY	4942464.976	766399.615	1777.158	LCP
1177_2021_WY	4941912.301	771110.856	2061.850	LCP
1178_2021_WY	4916307.899	787860.232	2522.007	LCP
1178A_2021_WY	4912775.930	794151.044	2796.374	LCP
1178B_2021_WY	4912782.865	794128.918	2795.491	LCP
1179_2021_WY	4908220.706	796844.018	2757.232	LCP
1180_2021_WY	4898710.055	800835.086	2545.403	LCP
1181_2021_WY	4924873.791	939431.373	1351.832	LCP
1182_2021_WY	4912992.082	926753.382	1457.375	LCP
1183_2021_WY	4919140.859	962491.691	1305.935	LCP
1184_2021_WY	4784072.832	909811.751	1849.826	LCP
1185_2021_WY	4818189.324	942056.848	1483.304	LCP
1186_2021_WY	4809894.149	977247.698	1464.659	LCP
1187_2021_WY	4784481.541	998203.782	1462.648	LCP
1188_2021_WY	4756396.612	929763.509	1506.179	LCP
1189_2021_WY	4749713.861	953647.954	1510.317	LCP
1190_2021_WY	4744750.440	958889.453	1468.658	LCP
1191_2021_WY	4925630.397	587331.657	1995.417	LCP
1192_2021_WY	4923726.867	657843.760	1609.190	LCP
1193_2021_WY	4953771.421	629178.441	2318.824	LCP
1194_2021_WY	4959856.874	712986.249	1267.532	LCP
1195_2021_WY	4875675.039	720857.629	1402.394	LCP
1196_2021_WY	4906807.888	736730.386	1230.999	LCP
1197_2021_WY	4850457.449	943154.110	1539.734	LCP
1198_2021_WY	4772048.193	941126.111	1584.030	LCP
1204_2021_WY	4852083.857	557455.021	2358.865	LCP
1205_2021_WY	4851463.686	559187.026	2400.804	LCP
1206_2021_WY	4926104.816	578098.880	2148.012	LCP
1207_2021_WY	4927646.922	581245.428	2081.827	LCP
1208_2021_WY	4985610.023	583776.448	2303.935	LCP
1209_2021_WY	4847135.376	765962.565	1455.281	LCP
1210_2021_WY	4850605.347	759197.788	1442.206	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1211_2021_WY	4849283.613	762700.020	1381.837	LCP
1212_2021_WY	4854265.598	755552.114	1351.800	LCP
1213_2021_WY	4880365.493	766850.649	1423.030	LCP
1214_2021_WY	4845978.821	773688.283	1520.581	LCP
1215_2021_WY	4845712.003	776374.643	1570.624	LCP
1216_2021_WY	4782852.959	925889.495	1810.117	LCP
1217_2021_WY	4744373.410	947259.517	1720.343	LCP
1218_2021_WY	4746097.039	985988.454	1486.708	LCP
1219_2021_WY	4792172.193	533469.853	1902.589	LCP
1220_2021_WY	4792986.671	538253.156	1950.081	LCP
1221_2021_WY	4841952.488	577941.052	2752.842	LCP
1222_2021_WY	4840062.434	583026.463	2548.989	LCP
1223_2021_WY	4832352.868	587805.290	2352.580	LCP
1224_2021_WY	4831224.895	592437.462	2311.602	LCP
1225_2021_WY	4828807.643	597096.721	2254.180	LCP
1226_2021_WY	4825745.650	601721.277	2197.705	LCP
1227_2021_WY	4823211.839	606263.084	2145.321	LCP
2001_2021_WY	4858735.775	752483.609	1405.648	NVA
2002_2021_WY	4866922.428	734683.091	1278.141	NVA
2003_2021_WY	4861961.641	729656.541	1297.334	NVA
2004_2021_WY	4866323.578	737883.680	1272.469	NVA
2005_2021_WY	4848741.569	789114.205	1555.504	NVA
2006_2021_WY	4861537.422	792728.374	1426.435	NVA
2007_2021_WY	4869835.920	785498.601	1423.306	NVA
2008_2021_WY	4828488.099	798049.664	2181.683	NVA
2008A_2021_WY	4828578.166	794965.925	2048.405	NVA
2009_2021_WY	4828527.898	794604.585	2061.885	NVA
2010_2021_WY	4849891.406	808306.968	2172.397	NVA
2011_2021_WY	4931279.860	654622.879	1551.334	NVA
2012_2021_WY	4845886.918	788756.334	1607.866	NVA
2013_2021_WY	4866070.343	791003.445	1421.164	NVA
2014_2021_WY	4861345.549	792810.322	1426.379	NVA
2015_2021_WY	4856226.649	764488.411	1509.895	NVA
2016_2021_WY	4842767.677	785640.715	1623.736	NVA
2017_2021_WY	4833375.649	811646.257	2360.297	NVA
2018_2021_WY	4865038.271	796941.670	1482.984	NVA
2019_H_2021_WY	4877264.487	743556.994	1239.341	NVA
2020_2021_WY	4847364.697	769750.546	1432.337	NVA
2021_2021_WY	4894820.530	748772.568	1218.966	NVA
2022_2021_WY	4884303.697	720032.694	1356.673	NVA
2023_H_2021_WY	4869473.648	740904.910	1270.898	NVA
2024_H_2021_WY	4904427.447	741100.177	1216.934	NVA
2025_2021_WY	4887067.873	742509.547	1281.840	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2026_2021_WY	4892084.059	743623.804	1250.085	NVA
2027_2021_WY	4873865.168	739348.752	1266.771	NVA
2028_2021_WY	4887864.749	746449.350	1217.944	NVA
2029_H_2021_WY	4916853.379	735687.857	1198.508	NVA
2030_2021_WY	4876634.175	709787.950	1491.124	NVA
2031_H_2021_WY	4889161.024	747371.797	1219.381	NVA
2032_2021_WY	4886710.333	747518.612	1228.277	NVA
2033_2021_WY	4871242.054	744259.138	1290.476	NVA
2034_H_2021_WY	4897510.177	744653.549	1220.860	NVA
2035_2021_WY	4875412.888	743107.615	1242.971	NVA
2036_H_2021_WY	4876048.944	704159.042	1525.006	NVA
2037_2021_WY	4880669.840	747818.866	1252.631	NVA
2038_2021_WY	4871728.742	711628.852	1552.001	NVA
2039_H_2021_WY	4876405.609	717462.018	1433.027	NVA
2040_2021_WY	4875862.149	723778.995	1383.404	NVA
2041_H_2021_WY	4878580.865	744665.819	1239.560	NVA
2042_2021_WY	4880375.570	723573.227	1416.426	NVA
2043_2021_WY	4900186.847	747124.373	1208.708	NVA
2044_2021_WY	4900372.818	774119.121	1425.188	NVA
2045_2021_WY	4887427.532	795042.777	1626.713	NVA
2046_2021_WY	4879142.692	763432.317	1465.896	NVA
2047_2021_WY	4879437.351	762105.616	1429.421	NVA
2048_2021_WY	4892130.197	778100.497	1341.537	NVA
2049_2021_WY	4880113.931	774251.355	1464.224	NVA
2050_2021_WY	4889329.883	796982.262	1836.850	NVA
2051_2021_WY	4880338.523	770562.646	1387.064	NVA
2052_2021_WY	4885882.976	785355.118	1478.137	NVA
2053_2021_WY	4902364.207	757791.303	1270.027	NVA
2054_2021_WY	4894094.901	800262.905	2278.918	NVA
2055_2021_WY	4881991.756	762268.426	1433.026	NVA
2055A_2021_WY	4881740.759	762136.600	1438.292	NVA
2056_2021_WY	4877372.271	773418.867	1456.998	NVA
2057_2021_WY	4939207.244	661055.045	1463.221	NVA
2058_2021_WY	4931017.917	652267.605	1536.997	NVA
2059_2021_WY	4934555.363	652451.093	1571.008	NVA
2060_2021_WY	4921277.075	648909.336	1694.375	NVA
2061_2021_WY	4927514.226	651118.316	1592.053	NVA
2062_2021_WY	4913904.446	685485.844	1539.170	NVA
2063_2021_WY	4923242.988	667599.930	1574.608	NVA
2064_2021_WY	4957331.793	677877.586	1338.631	NVA
2065_2021_WY	4932329.562	658611.981	1560.462	NVA
2066_2021_WY	4923334.917	647660.136	1688.947	NVA
2067_2021_WY	4929876.810	660370.521	1529.173	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2068_2021_WY	4938289.870	649735.095	1625.553	NVA
2069_2021_WY	4919478.728	639230.765	1715.773	NVA
2070_2021_WY	4933966.965	659165.402	1492.384	NVA
2071_2021_WY	4945453.766	689775.181	1320.313	NVA
2072_2021_WY	4925410.955	648163.314	1646.924	NVA
2073_2021_WY	4932493.158	660883.139	1533.243	NVA
2074_2021_WY	4924511.914	645015.258	1648.483	NVA
2075H_2021_WY	4930024.760	664697.790	1578.191	NVA
2076_2021_WY	4913676.904	666551.802	1736.994	NVA
2077H_2021_WY	4930698.564	657714.308	1559.228	NVA
2078_2021_WY	4935404.330	653898.686	1560.646	NVA
2079_2021_WY	4922664.207	643132.881	1668.480	NVA
2080_2021_WY	4950736.046	715010.050	1301.882	NVA
2081_2021_WY	4955705.401	719742.502	1271.347	NVA
2082_2021_WY	4923263.270	709539.703	1315.951	NVA
2083_2021_WY	4936187.556	755806.746	1291.954	NVA
2084_2021_WY	4947823.956	748410.558	1463.179	NVA
2085_2021_WY	4931822.319	722274.419	1254.736	NVA
2086_2021_WY	4921629.703	725812.494	1221.195	NVA
2087_2021_WY	4935768.025	751137.539	1266.581	NVA
2088_2021_WY	4954099.858	726342.998	1148.895	NVA
2089_2021_WY	4926604.567	734299.543	1178.835	NVA
2090_2021_WY	4920151.920	713083.146	1287.662	NVA
2091_2021_WY	4932958.534	734704.614	1155.289	NVA
2092_2021_WY	4931151.916	739765.103	1209.406	NVA
2093_2021_WY	4921237.124	723637.416	1224.949	NVA
2094_2021_WY	4924085.826	734860.882	1181.884	NVA
2095_2021_WY	4929986.865	714455.711	1316.055	NVA
2096_2021_WY	4924676.847	701621.691	1364.648	NVA
2097_2021_WY	4917149.503	706666.026	1335.746	NVA
2098_2021_WY	4921611.001	707736.578	1321.798	NVA
2099_2021_WY	4925862.133	702671.569	1365.237	NVA
2100_2021_WY	4926522.163	730875.112	1185.263	NVA
2101_2021_WY	4982780.967	653158.442	1266.653	NVA
2102_2021_WY	4959927.672	624529.036	1945.885	NVA
2103_2021_WY	4982509.847	636736.276	1709.126	NVA
2104_2021_WY	4957747.153	678917.327	1332.404	NVA
2105_2021_WY	4952309.866	662979.248	1447.107	NVA
2106_2021_WY	4957839.425	683766.494	1322.614	NVA
2107_2021_WY	4962832.560	675545.146	1344.709	NVA
2108_2021_WY	4954304.869	633782.501	1962.960	NVA
2109_2021_WY	4954846.041	678787.280	1328.072	NVA
2110_2021_WY	4955827.127	656953.661	1563.112	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2111_2021_WY	4960694.895	678844.381	1325.297	NVA
2112_2021_WY	4973497.623	647066.334	1283.010	NVA
2113_2021_WY	4958900.796	678148.311	1333.182	NVA
2114_2021_WY	4955340.098	618006.441	2058.906	NVA
2115_2021_WY	4953132.181	631244.128	2222.843	NVA
2116_2021_WY	4959509.399	672163.425	1381.279	NVA
2117_2021_WY	4956333.983	689101.656	1257.406	NVA
2118_2021_WY	4956257.240	674199.149	1360.796	NVA
2119_2021_WY	4959508.921	680492.591	1321.264	NVA
2120_2021_WY	4977547.468	650715.801	1271.387	NVA
2121_2021_WY	4977817.138	685708.032	1287.666	NVA
2122_2021_WY	4960513.823	683678.709	1305.371	NVA
2123_2021_WY	4960333.232	675644.886	1343.809	NVA
2124_2021_WY	4957207.907	625130.762	1871.961	NVA
2125H_2021_WY	4970013.242	654936.741	1322.065	NVA
2126_2021_WY	4957369.716	688616.567	1275.707	NVA
2127_2021_WY	4965588.427	658804.247	1342.307	NVA
2128H_2021_WY	4982269.288	687570.394	1285.081	NVA
2129_2021_WY	4953565.470	676831.191	1336.753	NVA
2130H_2021_WY	4980552.826	687610.657	1280.941	NVA
2131_2021_WY	4961354.095	685082.107	1298.848	NVA
2132_2021_WY	4954640.737	666960.040	1415.678	NVA
2133_2021_WY	4968904.107	713594.578	1162.539	NVA
2134_2021_WY	4971069.693	709457.096	1169.682	NVA
2135_2021_WY	4966556.360	726875.213	1189.551	NVA
2136_2021_WY	4970010.156	715747.185	1149.328	NVA
2137_2021_WY	4983348.984	709050.475	1225.984	NVA
2138_H_2021_WY	4965121.469	704483.156	1200.089	NVA
2139_H_2021_WY	4966005.223	707696.907	1187.683	NVA
2140_2021_WY	4969919.996	712513.076	1147.505	NVA
2141_H_2021_WY	4968114.868	704446.027	1174.874	NVA
2142_2021_WY	4965607.013	740777.871	2455.749	NVA
2142A_2021_WY	4963826.209	730514.558	1306.917	NVA
2143_2021_WY	4960065.069	695181.784	1244.640	NVA
2144_2021_WY	4973310.813	702191.176	1202.435	NVA
2145_2021_WY	4964704.160	699053.769	1216.557	NVA
2146_H_2021_WY	4963335.435	697376.355	1227.255	NVA
2147_2021_WY	4981264.483	713367.523	1155.284	NVA
2148_2021_WY	4805721.921	963710.440	1449.483	NVA
2149_2021_WY	4781627.663	938563.651	1686.060	NVA
2150_2021_WY	4877437.401	799475.157	1753.246	NVA
2153_H_2021_WY	4762756.428	967734.608	1633.150	NVA
2154_2021_WY	4904419.943	669186.701	1766.286	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2155_2021_WY	4761678.242	921013.176	1622.085	NVA
2156_2021_WY	4922999.827	959702.228	1340.531	NVA
2157_H_2021_WY	4754673.189	925286.753	1532.687	NVA
2157A_H_2021_WY	4754670.505	925284.239	1532.555	NVA
2158_2021_WY	4830101.657	960762.758	1378.001	NVA
2160_2021_WY	4848233.548	503267.133	2427.952	NVA
2160A_2021_WY	4863380.508	500187.031	2298.518	NVA
2160B_2021_WY	4863276.159	500231.325	2302.094	NVA
2161_2021_WY	4921058.400	773866.112	2043.046	NVA
2162_2021_WY	4788379.284	984750.312	1370.809	NVA
2163_2021_WY	4923471.035	762242.768	1693.743	NVA
2164_2021_WY	4763045.552	984276.867	1561.010	NVA
2165_2021_WY	4773529.572	939164.657	1581.566	NVA
2167_2021_WY	4746849.506	909780.208	1626.052	NVA
2167A_2021_WY	4748299.674	911618.530	1623.962	NVA
2168_2021_WY	4820625.944	918081.965	1573.050	NVA
2169_2021_WY	4863586.626	741554.619	1318.867	NVA
2171_2021_WY	4899329.943	656644.509	2014.728	NVA
2173_H_2021_WY	4765815.961	927760.115	1635.187	NVA
2174_2021_WY	4884705.391	678808.604	1774.046	NVA
2175_2021_WY	4828865.105	544054.345	2145.925	NVA
2175A_2021_WY	4829944.064	541937.835	2193.252	NVA
2176_H_2021_WY	4753559.564	954965.792	1477.308	NVA
2177_2021_WY	4917147.341	953999.663	1400.590	NVA
2178_2021_WY	4882430.440	785993.906	1362.405	NVA
2179_2021_WY	4923922.899	774476.688	2195.190	NVA
2180_H_2021_WY	4758144.868	920350.615	1529.964	NVA
2181_H_2021_WY	4745200.773	966958.028	1557.324	NVA
2182_2021_WY	4858722.567	942249.401	1499.627	NVA
2183_2021_WY	4742761.734	989429.487	1462.260	NVA
2184_2021_WY	4809959.387	965623.728	1415.841	NVA
2184A_2021_WY	4812728.645	970047.905	1404.919	NVA
2186_2021_WY	4856657.968	954107.398	1448.278	NVA
2187_2021_WY	4918502.635	739507.064	1275.070	NVA
2188_H_2021_WY	4746253.524	965053.719	1553.978	NVA
2190_H_2021_WY	4740204.010	959089.055	1460.543	NVA
2191_H_2021_WY	4749018.288	958506.047	1464.571	NVA
2192_2021_WY	4849155.763	945998.445	1515.903	NVA
2193_2021_WY	4848195.209	955500.774	1483.785	NVA
2194_2021_WY	4809613.959	959661.665	1415.984	NVA
2195_2021_WY	4927420.588	680197.609	1531.094	NVA
2196_2021_WY	4907480.079	774929.952	1429.400	NVA
2197_2021_WY	4859625.497	943605.277	1505.388	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2198_2021_WY	4961583.268	966664.642	1243.466	NVA
2200_H_2021_WY	4754244.975	962304.052	1509.427	NVA
2201_2021_WY	4763357.828	936596.103	1571.015	NVA
2201A_2021_WY	4768081.444	937429.428	1628.769	NVA
2202_H_2021_WY	4816238.584	955133.452	1494.551	NVA
2203_2021_WY	4927268.487	682690.099	1510.056	NVA
2204_2021_WY	4878586.372	951905.802	1452.744	NVA
2205_2021_WY	4715506.141	956626.925	1736.036	NVA
2206_2021_WY	4849416.750	550526.473	2402.747	NVA
2208_2021_WY	4710110.458	960845.974	1977.169	NVA
2209_2021_WY	4733868.270	959497.309	1552.191	NVA
2210_2021_WY	4890947.471	671262.851	1788.302	NVA
2211_2021_WY	4927966.141	749097.934	1258.309	NVA
2212_2021_WY	4838928.834	917313.642	1638.286	NVA
2213_2021_WY	4804119.918	984314.915	1425.188	NVA
2214_H_2021_WY	4750526.892	959804.693	1468.878	NVA
2215_2021_WY	4751257.134	948656.328	1543.839	NVA
2216_2021_WY	4746703.208	955849.505	1519.343	NVA
2217_2021_WY	4893510.358	766524.133	1337.681	NVA
2218_2021_WY	4819813.783	953653.195	1545.339	NVA
2219_2021_WY	4752009.312	948607.157	1538.804	NVA
2222_2021_WY	4764180.886	984586.277	1547.692	NVA
2223_2021_WY	4758858.690	935545.533	1503.205	NVA
2224_2021_WY	4852913.133	554590.611	2352.187	NVA
2225_2021_WY	4856126.699	947031.237	1502.457	NVA
2226_2021_WY	4877628.800	799003.151	1737.512	NVA
2227_2021_WY	4901714.653	698590.438	1515.845	NVA
2227A_2021_WY	4895961.430	708338.189	1390.175	NVA
2228_2021_WY	4922389.842	625174.670	1881.637	NVA
2229_H_2021_WY	4751890.879	959550.639	1493.524	NVA
2230_2021_WY	4922814.604	767511.768	1857.151	NVA
2231A_2021_WY	4895812.646	668381.429	1765.033	NVA
2232_2021_WY	4837113.142	533734.775	2182.574	NVA
2233_2021_WY	4748529.804	964708.380	1536.186	NVA
2234_2021_WY	4876016.583	807892.516	2309.428	NVA
2235_2021_WY	4735648.603	949848.890	1606.835	NVA
2236_2021_WY	4907305.360	662285.556	1816.088	NVA
2239_2021_WY	4713593.641	963126.918	1897.874	NVA
2240_2021_WY	4824331.448	981192.664	1332.627	NVA
2241_2021_WY	4749376.245	982436.016	1483.298	NVA
2242_H_2021_WY	4798311.477	930503.764	1568.531	NVA
2243_2021_WY	4861253.174	944645.301	1529.143	NVA
2244_2021_WY	4755411.746	920445.717	1565.072	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2245_2021_WY	4809402.791	987229.412	1481.006	NVA
2246_2021_WY	4915228.459	770740.821	1490.477	NVA
2247_2021_WY	4770649.575	939017.707	1575.521	NVA
2248_2021_WY	4856309.805	944036.384	1505.416	NVA
2248A_2021_WY	4856208.497	937663.561	1563.605	NVA
2249_2021_WY	4714725.640	911566.151	2392.589	NVA
2250_2021_WY	4724280.409	958622.900	1558.011	NVA
2251_2021_WY	4908419.202	777144.944	1483.518	NVA
2253_2021_WY	4877782.881	953177.392	1466.515	NVA
2254_2021_WY	4860669.294	748192.902	1310.401	NVA
2255_2021_WY	4883043.006	637548.115	2647.503	NVA
2256_2021_WY	4786047.560	938692.023	1663.997	NVA
2256A_2021_WY	4786416.147	930213.405	1712.747	NVA
2257_2021_WY	4733609.403	949926.347	1607.519	NVA
2258_2021_WY	4870574.686	945242.699	1449.521	NVA
2259_2021_WY	4883769.446	652932.387	1976.942	NVA
2260_2021_WY	4849515.971	559607.186	2583.591	NVA
2261_2021_WY	4818944.392	976105.684	1425.722	NVA
2262_2021_WY	4786715.265	950014.504	1646.841	NVA
2263_2021_WY	4769079.817	940700.611	1575.272	NVA
2264_2021_WY	4735521.695	921565.780	2009.987	NVA
2266_2021_WY	4742056.516	972263.022	1485.846	NVA
2266A_2021_WY	4739474.796	974838.162	1458.092	NVA
2267_2021_WY	4717651.558	957223.603	1677.839	NVA
2268_H_2021_WY	4872211.359	730620.273	1331.895	NVA
2269_2021_WY	4943315.194	900835.983	1189.747	NVA
2271_H_2021_WY	4751999.862	941680.973	1556.207	NVA
2272_H_2021_WY	4791702.306	966947.973	1450.234	NVA
2273_2021_WY	4847309.950	961136.198	1460.289	NVA
2274_2021_WY	4757243.736	967265.990	1564.591	NVA
2275_2021_WY	4790299.748	919578.139	1685.909	NVA
2276_2021_WY	4749293.597	984030.581	1496.640	NVA
2277_2021_WY	4874484.724	945620.077	1439.732	NVA
2278_2021_WY	4757471.474	964402.215	1535.076	NVA
2279_H_2021_WY	4748435.516	961315.330	1489.294	NVA
2280_2021_WY	4903850.630	622410.038	1944.589	NVA
2282_2021_WY	4737786.686	927451.168	2022.428	NVA
2284_2021_WY	4933032.086	941530.003	1279.097	NVA
2285_2021_WY	4754210.638	932807.248	1540.102	NVA
2286_2021_WY	4852294.209	560591.932	2474.584	NVA
2287_2021_WY	4806796.293	915239.332	1648.227	NVA
2289A_2021_WY	4905038.922	668207.923	1728.810	NVA
2290_2021_WY	4736824.326	936057.979	1758.299	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2291_2021_WY	4820494.110	956832.561	1494.639	NVA
2292_2021_WY	4912850.438	924684.045	1452.778	NVA
2293_2021_WY	4904585.438	923113.958	1502.011	NVA
2294_2021_WY	4907894.601	911689.578	1414.674	NVA
2295_2021_WY	4911212.202	933517.316	1448.137	NVA
2296_2021_WY	4961218.757	755076.231	2879.460	NVA
2297_2021_WY	4920413.746	939704.981	1393.311	NVA
2298_2021_WY	4911501.798	920004.510	1424.878	NVA
2299_2021_WY	4961547.738	917496.770	1262.852	NVA
2300_2021_WY	4971830.551	920412.018	1274.299	NVA
2301_2021_WY	4934504.594	932387.385	1282.404	NVA
2302_2021_WY	4889913.044	943648.500	1429.309	NVA
2303_2021_WY	4918833.462	934836.494	1411.490	NVA
2304_2021_WY	4909781.915	950648.301	1432.942	NVA
2305_2021_WY	4972352.306	911311.062	1258.520	NVA
2306_2021_WY	4996498.456	934712.459	1115.677	NVA
2307_H_2021_WY	4917332.606	938294.423	1391.615	NVA
2308_2021_WY	4919029.333	950023.007	1340.874	NVA
2309_2021_WY	4919453.901	952524.230	1337.677	NVA
2310_2021_WY	4920424.167	959091.900	1317.665	NVA
2311_2021_WY	4892227.361	925228.221	1505.658	NVA
2312_2021_WY	4904221.159	907465.043	1329.353	NVA
2313_2021_WY	4952484.815	930104.038	1195.925	NVA
2314_2021_WY	4965032.690	957987.830	1220.410	NVA
2315_2021_WY	4975740.537	600848.937	2157.586	NVA
2316_2021_WY	4971797.420	951941.574	1150.206	NVA
2317_2021_WY	4965958.686	945909.748	1115.999	NVA
2318_2021_WY	4966799.376	931799.914	1192.869	NVA
2319_2021_WY	4910117.785	908958.444	1471.321	NVA
2320_2021_WY	4915599.930	911931.101	1428.111	NVA
2321_2021_WY	4947750.292	948840.310	1179.366	NVA
2322_2021_WY	4924465.822	957375.332	1371.408	NVA
2323_2021_WY	4919544.142	953089.540	1337.611	NVA
2324_2021_WY	4971383.332	637939.343	1388.886	NVA
2325_2021_WY	4938536.769	959511.357	1214.981	NVA
2326_2021_WY	4935766.875	959618.234	1259.571	NVA
2326A_2021_WY	4945680.906	958307.203	1193.430	NVA
2327_2021_WY	4965245.707	958890.606	1246.282	NVA
2328_2021_WY	4899117.965	952522.547	1370.329	NVA
2329_2021_WY	4844517.487	926551.479	1602.843	NVA
2330_H_2021_WY	4919186.093	936331.657	1397.124	NVA
2331_2021_WY	4968481.695	945130.179	1102.554	NVA
2332_2021_WY	4979974.533	592593.116	2133.387	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2333_2021_WY	4893842.498	922141.892	1506.772	NVA
2334_2021_WY	4897534.518	961292.269	1340.415	NVA
2335_2021_WY	4975472.343	920975.049	1238.199	NVA
2336_2021_WY	4962071.208	622293.309	2118.425	NVA
2337_2021_WY	4959209.687	959455.690	1230.481	NVA
2338_2021_WY	4901597.078	943837.465	1389.621	NVA
2339_2021_WY	4948926.668	607625.438	2154.853	NVA
2340_2021_WY	4937185.061	959534.141	1228.484	NVA
2341_2021_WY	4958748.521	897700.835	1224.247	NVA
2342_2021_WY	4975625.008	943364.112	1088.185	NVA
2343_2021_WY	4975093.979	643722.852	1302.954	NVA
2344_2021_WY	4965750.417	937609.661	1175.598	NVA
2345_2021_WY	4978626.193	903393.905	1147.232	NVA
2346_2021_WY	4962900.796	900008.185	1262.001	NVA
2347_2021_WY	4917874.454	936842.243	1411.310	NVA
2348_2021_WY	4888024.774	957435.659	1406.306	NVA
2349_2021_WY	4903756.451	944198.648	1407.798	NVA
2350_2021_WY	4974778.720	903019.432	1206.277	NVA
2351_2021_WY	4953002.531	668159.361	1389.135	NVA
2352_2021_WY	4929341.431	638376.787	1662.930	NVA
2353_2021_WY	4955226.850	920014.756	1246.660	NVA
2354_2021_WY	4902577.738	908651.367	1392.690	NVA
2355_2021_WY	4915828.711	936682.194	1395.558	NVA
2356_2021_WY	4912336.539	943332.750	1409.872	NVA
2357_2021_WY	4911381.277	942797.511	1419.411	NVA
2358_2021_WY	4960150.440	952434.549	1142.755	NVA
2359_2021_WY	4931604.998	959900.569	1248.418	NVA
2360_2021_WY	4919057.576	943224.900	1367.566	NVA
2361_2021_WY	4909709.009	952489.376	1398.635	NVA
2362_2021_WY	4867486.765	915444.075	1569.103	NVA
2363_2021_WY	4977042.501	920270.882	1232.870	NVA
2364_2021_WY	4949583.320	956873.967	1171.599	NVA
2365_2021_WY	4914356.736	940814.128	1387.578	NVA
2366_2021_WY	4908640.658	904326.126	1421.865	NVA
2367_2021_WY	4947709.722	944833.504	1196.579	NVA
2368_2021_WY	4924289.245	606565.745	1831.077	NVA
2369_2021_WY	4910185.416	919622.710	1452.257	NVA
2370_2021_WY	4969088.338	916228.967	1241.248	NVA
2371_2021_WY	4886312.946	928962.890	1507.053	NVA
2372_2021_WY	4944075.214	932539.301	1269.209	NVA
2373_2021_WY	4968713.021	710917.691	1157.364	NVA
2374_2021_WY	4922545.616	958485.883	1334.313	NVA
2375_2021_WY	4966724.892	608664.057	1998.775	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2376_2021_WY	4865452.367	919566.933	1548.677	NVA
2377_2021_WY	4960119.851	931335.291	1215.780	NVA
2378_2021_WY	4911159.351	932082.102	1459.369	NVA
2379_2021_WY	4991429.518	909434.277	1110.794	NVA
3002_2021_WY	4862424.308	792532.069	1420.319	VVA
3003_2021_WY	4925675.528	666346.832	1566.324	VVA
3004_2021_WY	4974343.997	602734.811	2085.103	VVA
3005_2021_WY	4873714.515	779573.946	1510.333	VVA
3006_2021_WY	4918854.801	934112.603	1416.181	VVA
3007_2021_WY	4994131.405	918091.171	1184.775	VVA
3008_2021_WY	4827356.456	560564.011	2653.710	VVA
3009_2021_WY	4916305.909	955012.616	1350.488	VVA
3010_2021_WY	4975016.210	641352.978	1354.617	VVA
3011_2021_WY	4850908.099	759001.403	1455.844	VVA
3012_2021_WY	4970357.820	675940.822	1536.218	VVA
3013_2021_WY	4839351.602	798367.635	1724.100	VVA
3014_2021_WY	4940326.368	728404.383	1158.877	VVA
3015_2021_WY	4901241.935	777550.917	1542.080	VVA
3016_2021_WY	4845279.172	799992.559	1605.625	VVA
3017_2021_WY	4917579.997	636055.233	1694.975	VVA
3018_2021_WY	4952764.109	730221.808	1203.095	VVA
3019_2021_WY	4968463.680	950421.276	1127.662	VVA
3020_2021_WY	4966422.973	609509.840	2016.982	VVA
3021_2021_WY	4834172.932	789686.619	1633.136	VVA
3022_2021_WY	4885423.624	639933.404	2234.068	VVA
3023_2021_WY	4871130.186	662520.345	2014.856	VVA
3024_2021_WY	4918459.066	659212.600	1666.818	VVA
3025_2021_WY	4921871.835	672435.475	1574.025	VVA
3026_2021_WY	4966333.927	747141.430	2771.097	VVA
3027_2021_WY	4925154.041	961733.629	1360.915	VVA
3028_2021_WY	4855214.431	754916.858	1331.155	VVA
3029_2021_WY	4921681.697	641022.049	1657.214	VVA
3030_2021_WY	4902792.233	772356.601	1379.575	VVA
3031_2021_WY	4935692.050	777158.314	2631.463	VVA
3032_2021_WY	4828385.700	547381.743	2153.905	VVA
3033_2021_WY	4818394.211	969862.637	1373.146	VVA
3033A_2021_WY	4818164.233	969883.616	1373.510	VVA
3034_2021_WY	4885339.553	662735.877	1863.368	VVA
3035_2021_WY	4759368.741	950010.375	1489.617	VVA
3036_2021_WY	4881434.854	787706.152	1436.598	VVA
3037_2021_WY	4941446.891	774691.653	2315.811	VVA
3038_2021_WY	4881665.984	951021.727	1422.583	VVA
3039_2021_WY	4879169.330	755950.526	1372.448	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3040_2021_WY	4974029.480	640939.940	1347.995	VVA
3041_2021_WY	4876359.481	674816.523	1825.361	VVA
3042_2021_WY	4853279.092	555882.945	2363.115	VVA
3043_2021_WY	4838580.468	532970.354	2402.395	VVA
3044_2021_WY	4856842.423	919927.261	1564.081	VVA
3045A_2021_WY	4973358.949	682315.465	1332.037	VVA
3046_2021_WY	4764308.083	971077.665	1567.424	VVA
3047_2021_WY	4852032.850	802761.784	1956.269	VVA
3048_2021_WY	4892638.643	767729.329	1360.855	VVA
3049_2021_WY	4714337.305	911825.675	2426.178	VVA
3050_2021_WY	4869854.935	785486.225	1422.520	VVA
3051_2021_WY	4961106.591	676308.195	1337.776	VVA
3052_2021_WY	4950326.032	750146.683	1546.554	VVA
3053_2021_WY	4869507.675	953028.899	1466.760	VVA
3054_2021_WY	4714118.142	907606.126	2337.363	VVA
3055_2021_WY	4875444.499	804917.152	2227.449	VVA
3056_2021_WY	4825524.779	990642.914	1334.507	VVA
3057_2021_WY	4711581.367	914936.539	2528.491	VVA
3058_2021_WY	4858616.200	793137.566	1492.772	VVA
3059_2021_WY	4851980.919	767134.465	1507.223	VVA
3060_2021_WY	4847281.171	555699.527	2471.329	VVA
3061_2021_WY	4745730.736	960295.221	1471.830	VVA
3063_2021_WY	4871117.600	952932.246	1465.083	VVA
3064_2021_WY	4971201.807	643848.760	1304.091	VVA
3065_2021_WY	4989171.737	922184.006	1243.375	VVA
3066A_2021_WY	4883022.457	637513.190	2656.054	VVA
3067_2021_WY	4862609.108	798338.151	1617.307	VVA
3068_2021_WY	4869443.383	778631.308	1512.860	VVA
3069_2021_WY	4875342.632	727273.234	1373.971	VVA
3070_2021_WY	4748497.006	958382.693	1464.294	VVA
3071_2021_WY	4890929.953	798751.230	1994.737	VVA
3072_2021_WY	4974098.263	643863.542	1304.876	VVA
3073_2021_WY	4886182.908	639525.345	2172.571	VVA
3074_2021_WY	4889492.851	780709.625	1363.834	VVA
3075_2021_WY	4952860.297	630144.005	2270.324	VVA
3076A_2021_WY	4966322.093	608755.443	2003.211	VVA
3078_2021_WY	4981215.168	668245.252	1364.460	VVA
3079_2021_WY	4888262.988	716600.772	1386.239	VVA
3080_2021_WY	4876728.652	710485.612	1480.106	VVA
3081_2021_WY	4812499.324	521823.332	1964.413	VVA
3082_2021_WY	4981889.624	680477.652	1448.000	VVA
3083_2021_WY	4750455.078	957665.832	1477.781	VVA
3084_2021_WY	4937641.906	657267.434	1539.811	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3085_2021_WY	4752252.550	940552.152	1584.945	VVA
3086_2021_WY	4735285.459	950035.031	1593.388	VVA
3087_2021_WY	4963843.268	955993.924	1184.788	VVA
3088_2021_WY	4719490.705	927806.959	2218.165	VVA
3089_2021_WY	4979065.515	644854.149	1321.436	VVA
3090_2021_WY	4847488.602	769545.828	1431.812	VVA
3091_2021_WY	4965275.497	609524.848	2030.213	VVA
3093_2021_WY	4958114.610	660106.764	1503.857	VVA
3094_2021_WY	4850683.753	567175.359	2630.395	VVA
3095_2021_WY	4800333.429	545057.946	2091.302	VVA
3096_2021_WY	4847019.452	561682.193	2548.865	VVA
3097_2021_WY	4818388.009	533011.166	2678.348	VVA
3098_2021_WY	4923415.539	590549.524	1967.985	VVA
3099_2021_WY	4922985.419	598719.882	1901.675	VVA
3100_2021_WY	4845790.246	541267.523	2255.187	VVA
3101_2021_WY	4855151.684	559399.657	2194.618	VVA
3102_2021_WY	4704331.862	957506.007	1965.376	VVA
3104_2021_WY	4745343.418	918200.779	1965.234	VVA
3105_2021_WY	4820529.003	535590.736	2267.908	VVA
3106_2021_WY	4863393.119	500203.247	2295.353	VVA
3107_2021_WY	4887893.881	795567.143	1656.778	VVA
3108_2021_WY	4856368.638	501451.630	2346.192	VVA
3109_2021_WY	4922157.815	942600.019	1375.613	VVA
3110_2021_WY	4911947.891	932171.185	1449.198	VVA
3111_2021_WY	4958876.714	679673.862	1325.725	VVA
3112_2021_WY	4857320.783	919754.021	1577.477	VVA
3113_2021_WY	4920889.164	924363.103	1424.523	VVA
3114_2021_WY	4981816.308	925344.769	1246.497	VVA
3115_2021_WY	4914360.783	935781.163	1420.164	VVA
3116_2021_WY	4913638.250	931843.025	1433.928	VVA
3118_2021_WY	4912827.028	969167.000	1348.124	VVA
3119_2021_WY	4917036.149	712972.773	1292.959	VVA
3120_2021_WY	4813263.641	989947.449	1381.549	VVA
3121_2021_WY	4874004.446	956021.808	1440.078	VVA
3122_2021_WY	4782343.688	959659.750	1544.833	VVA
3122A_2021_WY	4784812.182	954663.060	1518.695	VVA
3123_2021_WY	4892136.377	778126.711	1340.588	VVA
3124_2021_WY	4914382.294	939114.477	1400.786	VVA
3125_2021_WY	4965571.635	708548.191	1185.810	VVA
3126_2021_WY	4940133.061	932420.113	1282.461	VVA
3127_2021_WY	4860130.626	927804.144	1502.723	VVA
3128_2021_WY	4751193.369	973642.823	1606.769	VVA
3129_2021_WY	4921481.151	645883.337	1742.401	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3130_2021_WY	4913278.312	933671.918	1422.195	VVA
3131_2021_WY	4790279.867	987465.727	1374.464	VVA
3132_2021_WY	4757100.364	965381.425	1546.277	VVA
3133_2021_WY	4920337.611	637026.599	1708.022	VVA
3134_2021_WY	4879926.071	929459.908	1525.377	VVA
3135_2021_WY	4859970.185	749198.261	1311.105	VVA
3136_2021_WY	4910397.838	934748.191	1467.050	VVA
3137_2021_WY	4958190.445	623166.613	1970.212	VVA
3138_2021_WY	4879470.535	738255.793	1255.190	VVA
3139_2021_WY	4903457.136	932843.061	1437.131	VVA
3140_2021_WY	4916662.285	635973.637	1710.007	VVA
3141_2021_WY	4918657.757	665598.265	1627.052	VVA
3142_2021_WY	4926308.526	629872.050	1671.716	VVA
3144_2021_WY	4770017.398	919834.177	1638.233	VVA
3145_2021_WY	4764874.242	944432.456	1534.149	VVA
3146_2021_WY	4754230.287	932734.837	1542.562	VVA
3147_2021_WY	4895315.316	749018.691	1221.496	VVA
3148_2021_WY	4870617.932	918705.596	1566.507	VVA
3149_2021_WY	4945442.039	689777.617	1320.275	VVA
3150_2021_WY	4972270.706	689518.342	1259.708	VVA
3151_2021_WY	4770942.313	919457.785	1639.968	VVA
3151A_2021_WY	4773713.415	920154.819	1665.466	VVA
3152_2021_WY	4889952.542	943998.883	1420.332	VVA
3153_2021_WY	4757802.619	910157.082	1538.860	VVA
3154_2021_WY	4924140.876	923152.847	1390.859	VVA
3155_2021_WY	4906400.711	931751.521	1473.834	VVA
3156_2021_WY	4977084.915	646281.796	1275.337	VVA
3157_2021_WY	4829608.524	800008.775	2130.628	VVA
3158_2021_WY	4913197.697	931086.604	1428.222	VVA
3159_2021_WY	4916719.764	912212.174	1419.822	VVA
3160_2021_WY	4872246.960	738515.554	1263.011	VVA
3161_2021_WY	4990523.874	960076.422	1183.999	VVA
3162_2021_WY	4719360.069	959808.543	1656.204	VVA
3163_2021_WY	4897139.936	905191.652	1451.221	VVA
3164_2021_WY	4897529.758	775884.522	1413.844	VVA
3165_2021_WY	4950642.331	641983.991	1596.125	VVA
3166_2021_WY	4884375.072	794982.979	1904.256	VVA
3167_2021_WY	4957792.058	664523.735	1447.359	VVA
3168_2021_WY	4925006.578	625955.234	1713.067	VVA
3169_2021_WY	4834178.767	948733.429	1462.878	VVA
3170_2021_WY	4815047.125	970121.417	1391.623	VVA
3171_2021_WY	4885889.592	790777.458	1472.968	VVA
3172_2021_WY	4911225.037	950660.297	1400.046	VVA

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

3173_2021_WY	4901138.038	698859.820	1504.586	VVA
3173A_2021_WY	4897620.625	699559.386	1439.124	VVA
3175_2021_WY	4903843.696	741949.816	1214.760	VVA
3176_2021_WY	4975029.288	642107.134	1332.352	VVA
3177_2021_WY	4921662.430	709853.568	1308.221	VVA
3178_2021_WY	4863936.911	741341.664	1307.302	VVA
3179_2021_WY	4761184.247	977205.053	1564.249	VVA
3180_2021_WY	4935947.464	656471.349	1534.760	VVA
3181_2021_WY	4977359.942	650853.427	1271.485	VVA
3182_2021_WY	4757323.887	967932.258	1573.121	VVA
3183_2021_WY	4888828.086	739321.042	1326.238	VVA
3184_2021_WY	4805853.999	956239.204	1435.260	VVA
3185_2021_WY	4921697.897	716384.782	1291.484	VVA
3186_2021_WY	4877172.220	757898.633	1357.848	VVA
3187_2021_WY	4849615.330	922400.881	1603.647	VVA
3188_2021_WY	4942244.592	926138.379	1265.136	VVA
3189_2021_WY	4882549.082	950700.721	1416.770	VVA
3190_2021_WY	4922208.665	959009.176	1332.246	VVA
3191_2021_WY	4919645.978	950437.798	1347.117	VVA
3192_2021_WY	4878230.955	771438.536	1399.625	VVA
3193_2021_WY	4890117.773	779487.464	1345.350	VVA
3194_2021_WY	4921880.487	923057.685	1415.974	VVA
3195_2021_WY	4841916.905	953136.766	1459.985	VVA
3196_2021_WY	4841601.400	972430.269	1534.978	VVA
3197_2021_WY	4907822.726	928164.020	1464.020	VVA
3198_2021_WY	4935458.283	907735.899	1245.060	VVA
3199_2021_WY	4921350.310	923118.807	1413.906	VVA
3200_2021_WY	4965491.636	935293.713	1164.548	VVA
3201_2021_WY	4924605.847	916907.634	1385.065	VVA
3202_2021_WY	4925345.224	702693.179	1365.251	VVA
3203_2021_WY	4922485.262	923987.875	1420.897	VVA
3204_2021_WY	4983035.373	713574.043	1149.591	VVA
3205_2021_WY	4850381.241	805650.748	2111.854	VVA
3206_2021_WY	4925081.898	624648.801	1712.635	VVA
3207_2021_WY	4952561.236	677483.004	1318.053	VVA
3208_2021_WY	4858352.509	759852.070	1465.810	VVA
3209_2021_WY	4852906.042	905710.970	1577.153	VVA
3210_2021_WY	4865573.987	732934.020	1286.467	VVA
3211_2021_WY	4701805.518	955703.777	2125.175	VVA
3212_2021_WY	4931981.605	959834.689	1247.556	VVA
3213_2021_WY	4909928.373	909894.588	1455.182	VVA
3214_2021_WY	4959360.578	680474.637	1321.597	VVA
3215_2021_WY	4972119.613	682309.682	1301.437	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3216_2021_WY	4859886.937	975436.124	1372.102	VVA
3217_2021_WY	4915185.490	911851.392	1442.167	VVA
3218_2021_WY	4884153.805	763338.833	1427.209	VVA
3219_2021_WY	4749268.004	982822.646	1491.011	VVA
3220_2021_WY	4911671.223	916310.481	1484.810	VVA
3222_2021_WY	4905483.204	920386.125	1523.100	VVA
3223_2021_WY	4722663.208	931417.610	2171.766	VVA
3224_2021_WY	4739768.257	926326.678	1981.730	VVA
3225_2021_WY	4933971.621	759189.313	1356.248	VVA
3226_2021_WY	4921828.951	899345.673	1414.782	VVA
3227_2021_WY	4892991.527	748891.875	1225.514	VVA
3228_2021_WY	4895766.019	932131.078	1430.891	VVA
3229_2021_WY	4755962.272	920342.232	1548.598	VVA
3230_2021_WY	4805096.196	965969.683	1434.236	VVA
3231_2021_WY	4875587.082	704058.162	1515.150	VVA
3232_2021_WY	4781127.751	964246.391	1506.273	VVA
3233_2021_WY	4868865.291	926930.452	1501.647	VVA
3234_2021_WY	4736032.731	923532.621	1971.979	VVA
3235_2021_WY	4923689.456	922499.875	1415.446	VVA
3236_2021_WY	4968484.393	942510.524	1130.025	VVA
3238_2021_WY	4784445.997	918580.719	1700.095	VVA
3239_2021_WY	4911992.507	684439.783	1523.336	VVA
3240_2021_WY	4874009.990	775157.502	1500.962	VVA
3241_2021_WY	4903833.141	622414.993	1943.683	VVA
3242_2021_WY	4822992.244	953757.635	1482.933	VVA
3243_2021_WY	4888893.217	923084.402	1511.464	VVA
3245_2021_WY	4937110.362	654708.022	1545.736	VVA
3246_2021_WY	4878546.826	951944.994	1452.482	VVA
3247_2021_WY	4755787.453	924085.430	1522.770	VVA
3248_2021_WY	4945042.781	968858.763	1237.788	VVA
3249_2021_WY	4886756.616	609185.698	1989.047	VVA
3250_2021_WY	4812753.164	970049.203	1404.511	VVA
3251_2021_WY	4997197.091	957264.075	1159.692	VVA
3253_2021_WY	4753129.005	996846.084	1527.438	VVA
3254_2021_WY	4975292.715	692653.561	1242.324	VVA
3255_2021_WY	4878363.665	949645.790	1438.591	VVA
3256_2021_WY	4966044.105	897906.736	1235.362	VVA
3257_2021_WY	4853668.981	903019.791	1531.667	VVA
3258_2021_WY	4742369.842	984236.697	1485.026	VVA
3259_2021_WY	4876502.876	748256.904	1291.288	VVA
3260_2021_WY	4950292.194	691818.039	1292.631	VVA

2.2. Ground Control-Geodetic Coordinate System

- Horizontal Datum: NAD 1983 (Conus)
- Vertical Datum: NAVD88
- Units: Meters

Table 2.2 Ground Control -NAD 83 (Conus)

Point Number	NAD1983 (Conus) Latitude (N)	NAD1983 (Conus) Longitude (W)	Ellipsoid Height (M)	Description
1001_2021_WY	42°43'18.66402"	-105°30'08.25227"	1632.776	LCP
1002_2021_WY	42°40'04.56750"	-105°08'25.35032"	1437.322	LCP
1003_2021_WY	42°44'18.34393"	-105°01'47.42110"	1518.932	LCP
1004_2021_WY	42°36'02.41766"	-105°41'59.46041"	1833.570	LCP
1005_2021_WY	42°42'19.33296"	-105°35'14.87463"	1715.386	LCP
1006_2021_WY	42°26'48.21312"	-105°21'07.76739"	1908.200	LCP
1007_2021_WY	42°39'27.43369"	-105°17'13.18101"	1432.277	LCP
1008_2021_WY	42°54'17.92132"	-105°49'54.62755"	1609.821	LCP
1009_2021_WY	42°43'51.40847"	-105°47'49.77275"	1921.550	LCP
1010_2021_WY	42°51'39.37718"	-105°53'47.06428"	1523.625	LCP
1011_2021_WY	42°45'12.35904"	-105°38'56.52222"	1676.906	LCP
1012_2021_WY	42°50'44.03111"	-105°59'51.52362"	1529.365	LCP
1013_2021_WY	42°51'37.00873"	-106°02'42.12226"	1531.076	LCP
1014_2021_WY	42°42'39.15826"	-104°54'04.62144"	1535.326	LCP
1015_2021_WY	42°45'43.18774"	-104°56'18.15405"	1509.760	LCP
1016_2021_WY	42°39'24.14329"	-105°11'46.01572"	1436.578	LCP
1017_2021_WY	43°28'31.49838"	-105°55'28.92479"	1647.724	LCP
1018_2021_WY	42°51'19.84182"	-105°57'03.76662"	1527.929	LCP
1019_2021_WY	43°02'58.70954"	-105°51'07.59731"	1732.811	LCP
1020_2021_WY	43°10'29.47929"	-104°57'04.20855"	1356.379	LCP
1021_2021_WY	43°05'45.59770"	-105°55'55.01898"	1783.736	LCP
1022_2021_WY	43°19'45.81523"	-105°40'09.41338"	1528.912	LCP
1023_2021_WY	43°16'57.83122"	-105°18'44.03923"	1425.770	LCP
1024_2021_WY	43°33'24.38747"	-105°27'33.91989"	1489.425	LCP
1025_2021_WY	43°40'58.52899"	-105°58'14.64441"	1429.949	LCP
1026_2021_WY	43°38'49.37073"	-105°39'41.72581"	1564.901	LCP
1026A_2021_WY	43°38'57.84795"	-105°39'12.15317"	1578.477	LCP
1027_2021_WY	43°19'11.45925"	-105°10'40.28682"	1399.826	LCP
1028_2021_WY	43°28'56.47785"	-105°26'41.40355"	1437.759	LCP
1029_2021_WY	43°18'03.99759"	-105°01'42.20070"	1440.349	LCP
1030_2021_WY	43°22'18.87669"	-105°23'10.40769"	1474.015	LCP
1031_2021_WY	43°02'25.34018"	-105°15'59.13482"	1454.409	LCP
1033_2021_WY	43°38'01.08090"	-110°32'58.49913"	2127.505	LCP
1035_2021_WY	43°45'27.82528"	-110°55'29.35423"	2104.495	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1036_2021_WY	43°19'23.96614"	-110°26'47.48716"	2039.850	LCP
1037_2021_WY	43°35'58.58616"	-110°23'54.61356"	2216.935	LCP
1038_2021_WY	43°46'35.01034"	-110°30'48.17162"	2117.435	LCP
1039_2021_WY	43°35'05.43767"	-110°20'35.23164"	2255.442	LCP
1041_2021_WY	43°53'58.81323"	-110°58'36.85632"	2406.329	LCP
1043_2021_WY	43°30'00.62729"	-110°56'17.21765"	2433.283	LCP
1044_2021_WY	43°46'00.79962"	-110°04'46.99750"	2802.990	LCP
1045_2021_WY	43°34'54.46088"	-110°15'17.23746"	2424.662	LCP
1046_2021_WY	43°46'22.25501"	-110°19'44.21975"	2453.957	LCP
1047_2021_WY	43°49'01.41681"	-110°11'17.21169"	2633.707	LCP
1048_2021_WY	43°47'05.91372"	-110°08'17.77190"	2676.737	LCP
1049_2021_WY	43°23'31.56998"	-110°07'54.95642"	2638.626	LCP
1050_2021_WY	43°33'01.06966"	-107°30'56.05881"	1782.282	LCP
1051_2021_WY	43°39'08.92471"	-107°22'23.14040"	1511.789	LCP
1052_2021_WY	43°46'20.89071"	-107°18'04.21820"	1507.064	LCP
1053_2021_WY	43°56'10.28469"	-107°19'00.74712"	1439.548	LCP
1054_2021_WY	44°16'33.47232"	-107°32'14.36319"	1450.055	LCP
1055_2021_WY	44°01'31.50092"	-107°28'09.90681"	1334.695	LCP
1056_2021_WY	44°09'42.40296"	-107°11'46.03360"	2669.756	LCP
1057_2021_WY	43°45'33.42714"	-107°14'20.42140"	1945.150	LCP
1058_2021_WY	43°29'58.90352"	-107°07'45.45213"	2461.216	LCP
1059_2021_WY	43°34'36.11146"	-107°08'33.26696"	2202.759	LCP
1060_2021_WY	44°14'27.73703"	-107°47'48.74011"	1228.647	LCP
1061_2021_WY	44°00'37.28447"	-105°56'08.90384"	1480.654	LCP
1062_2021_WY	44°01'43.98171"	-105°59'26.68786"	1456.767	LCP
1063_2021_WY	43°54'13.13695"	-105°51'11.09558"	1486.988	LCP
1064_2021_WY	43°49'41.76448"	-105°51'53.74605"	1569.231	LCP
1065_2021_WY	43°36'28.10944"	-105°48'23.71192"	1635.042	LCP
1066_2021_WY	44°17'18.66662"	-105°16'53.27890"	1317.094	LCP
1067_2021_WY	44°12'11.62739"	-105°27'07.48903"	1429.718	LCP
1067A_2021_WY	44°11'31.85753"	-105°27'47.15202"	1449.231	LCP
1068_2021_WY	44°05'26.84185"	-105°27'46.48723"	1366.695	LCP
1069_2021_WY	44°03'23.21009"	-105°47'03.83792"	1500.866	LCP
1070_2021_WY	43°56'17.66213"	-105°26'46.73646"	1400.597	LCP
1071_2021_WY	43°45'51.64630"	-105°08'10.98016"	1363.124	LCP
1071A_2021_WY	43°43'22.47787"	-105°08'35.38775"	1397.538	LCP
1072_2021_WY	43°42'46.63666"	-105°18'33.84433"	1421.420	LCP
1073_2021_WY	43°38'07.58152"	-105°13'16.94656"	1419.346	LCP
1073A_2021_WY	43°37'54.45330"	-105°15'59.83355"	1462.126	LCP
1074_2021_WY	44°19'35.01372"	-105°19'39.59525"	1369.641	LCP
1075_2021_WY	44°15'52.35625"	-105°08'38.41966"	1304.478	LCP
1076_2021_WY	44°22'36.35802"	-108°02'07.79923"	1164.635	LCP
1077_2021_WY	43°51'47.18885"	-107°52'07.00046"	1335.513	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1078_2021_WY	43°55'27.43622"	-107°57'23.46368"	1284.558	LCP
1079_2021_WY	44°46'41.44168"	-108°29'43.23098"	1234.790	LCP
1080_2021_WY	44°21'16.48827"	-109°20'07.28882"	1781.080	LCP
1081_2021_WY	44°07'16.23784"	-108°11'46.57449"	1307.077	LCP
1082_2021_WY	44°05'56.55811"	-108°09'08.75834"	1302.339	LCP
1083_2021_WY	44°15'22.16098"	-109°05'45.25940"	2190.307	LCP
1084_2021_WY	43°59'16.14890"	-108°00'04.94720"	1239.106	LCP
1085_2021_WY	44°05'34.53487"	-109°06'04.61344"	1981.986	LCP
1086_2021_WY	44°04'40.15364"	-109°08'58.00102"	2095.732	LCP
1087A_2021_WY	43°56'14.09857"	-109°12'51.69184"	2489.367	LCP
1088_2021_WY	44°25'10.91873"	-108°29'00.23620"	1359.665	LCP
1089_2021_WY	44°19'02.91161"	-108°56'22.85144"	1709.755	LCP
1090_2021_WY	44°09'58.09858"	-109°36'37.81011"	1934.739	LCP
1091_2021_WY	44°19'08.79094"	-109°24'44.74209"	1832.261	LCP
1092_2021_WY	44°08'10.51227"	-108°19'26.94518"	1358.649	LCP
1093_2021_WY	44°05'52.57012"	-108°59'23.76166"	1898.361	LCP
1094_2021_WY	44°15'13.57686"	-107°37'10.83362"	1365.094	LCP
1095_2021_WY	44°17'06.43604"	-109°27'22.82449"	1955.068	LCP
1096_2021_WY	44°08'00.86864"	-108°49'50.54239"	1878.208	LCP
1097_2021_WY	44°30'05.99150"	-109°14'14.12576"	1642.887	LCP
1098_2021_WY	44°18'15.59762"	-108°45'06.67447"	1596.892	LCP
1099_2021_WY	44°12'15.90775"	-108°30'08.37986"	1425.787	LCP
1100_2021_WY	44°09'50.61014"	-107°08'22.55149"	2833.208	LCP
1101_2021_WY	44°36'51.87831"	-107°31'17.68555"	2551.561	LCP
1102_2021_WY	44°34'53.02058"	-107°40'55.65362"	1427.407	LCP
1103_2021_WY	44°58'11.76884"	-107°53'04.56359"	2711.624	LCP
1104_2021_WY	44°36'06.33933"	-107°49'55.20801"	1348.557	LCP
1105_2021_WY	44°13'28.87744"	-107°41'45.20543"	1294.205	LCP
1106_2021_WY	44°25'34.94249"	-108°08'57.12872"	1197.896	LCP
1107_2021_WY	44°42'47.35365"	-108°09'55.06800"	1131.192	LCP
1108_2021_WY	44°24'25.14446"	-108°14'07.84051"	1235.957	LCP
1109_2021_WY	44°59'12.85968"	-108°15'41.64283"	1201.631	LCP
1110_2021_WY	44°30'16.64000"	-107°27'41.86595"	2887.327	LCP
1111_2021_WY	44°50'03.07787"	-108°21'07.07111"	1156.621	LCP
1112_2021_WY	44°32'44.62901"	-107°29'58.71531"	2332.577	LCP
1113_2021_WY	44°23'06.75592"	-108°25'26.16347"	1326.923	LCP
1114_2021_WY	44°43'52.96673"	-109°33'05.50440"	2065.387	LCP
1115_2021_WY	44°47'46.36804"	-109°26'40.37910"	2002.504	LCP
1116_2021_WY	44°49'15.36721"	-108°41'29.32430"	1347.808	LCP
1117_2021_WY	44°45'13.15197"	-108°46'18.52910"	1331.345	LCP
1118_2021_WY	44°28'46.19139"	-108°47'24.96664"	1561.262	LCP
1119_2021_WY	44°19'59.31742"	-107°24'15.15279"	2652.011	LCP
1120_2021_WY	44°25'48.18419"	-109°12'32.35208"	1679.513	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1121_2021_WY	44°34'43.91613"	-108°59'45.69022"	1497.532	LCP
1122_2021_WY	44°57'20.62023"	-109°29'01.80026"	3101.855	LCP
1123_2021_WY	44°28'22.67636"	-108°40'43.78596"	1481.259	LCP
1124_2021_WY	44°59'07.72416"	-109°50'57.81334"	2239.807	LCP
1125_2021_WY	44°55'57.87926"	-109°39'28.67747"	2420.091	LCP
1126A_2021_WY	44°56'37.96923"	-109°46'38.49922"	2100.525	LCP
1127_2021_WY	44°27'26.64304"	-109°43'16.67608"	1861.007	LCP
1128_2021_WY	44°27'14.38020"	-109°48'53.21674"	1929.104	LCP
1129_2021_WY	44°58'11.65544"	-109°26'21.61687"	3268.546	LCP
1130_2021_WY	44°55'18.89499"	-109°42'38.17963"	2098.220	LCP
1131_2021_WY	44°27'56.87163"	-109°26'29.39006"	1712.111	LCP
1132_2021_WY	44°40'48.56538"	-108°36'46.26901"	1293.711	LCP
1133_2021_WY	44°57'55.63995"	-109°02'48.35691"	1253.178	LCP
1134_2021_WY	44°32'09.96915"	-109°01'57.53033"	1498.188	LCP
1135_2021_WY	44°14'57.45065"	-109°30'58.07433"	1864.466	LCP
1136_2021_WY	44°36'27.34488"	-109°12'26.29719"	2000.372	LCP
1137_2021_WY	44°19'44.71900"	-105°05'01.69778"	1298.583	LCP
1138_2021_WY	44°43'05.55649"	-105°53'19.33739"	1186.276	LCP
1139_2021_WY	44°36'39.62773"	-105°42'54.29288"	1259.811	LCP
1140_2021_WY	44°41'23.13497"	-106°00'07.61265"	1181.143	LCP
1141_2021_WY	44°19'46.28930"	-105°43'47.51078"	1426.630	LCP
1142_2021_WY	44°20'43.05666"	-105°31'26.61041"	1307.945	LCP
1143_2021_WY	44°28'52.63353"	-105°36'01.91668"	1280.122	LCP
1144_2021_WY	44°42'15.77472"	-105°46'24.37589"	1249.903	LCP
1145_2021_WY	44°49'16.35145"	-105°11'52.49289"	1194.937	LCP
1146_2021_WY	44°46'11.84207"	-105°23'09.89153"	1077.964	LCP
1147_2021_WY	44°41'00.87934"	-105°05'36.26629"	1215.233	LCP
1148_2021_WY	44°42'29.87409"	-105°49'48.18803"	1207.263	LCP
1149_2021_WY	44°41'32.58256"	-105°10'05.39455"	1261.460	LCP
1150_2021_WY	44°38'53.18049"	-105°18'46.58211"	1112.659	LCP
1151_2021_WY	44°29'36.51792"	-109°56'11.25022"	2015.074	LCP
1152_2021_WY	44°32'50.10736"	-105°39'27.47778"	1241.625	LCP
1153_2021_WY	44°31'24.46863"	-105°26'33.12221"	1202.981	LCP
1153A_2021_WY	44°25'19.97907"	-105°27'19.66703"	1255.869	LCP
1154_2021_WY	44°51'49.38060"	-105°22'19.76001"	1059.355	LCP
1155_2021_WY	44°51'00.13495"	-109°10'31.47512"	1278.237	LCP
1156_2021_WY	44°58'02.52410"	-109°11'44.96327"	1397.742	LCP
1157_2021_WY	44°34'23.35986"	-109°03'43.30544"	1550.028	LCP
1158_2021_WY	44°39'03.68301"	-108°16'05.67637"	1335.610	LCP
1161_2021_WY	44°08'40.45931"	-109°37'29.11689"	1946.611	LCP
1162_2021_WY	44°11'22.45279"	-109°34'43.80627"	1907.678	LCP
1163_2021_WY	44°12'30.45882"	-109°33'21.10342"	1894.160	LCP
1164_2021_WY	44°19'40.36581"	-109°23'49.83899"	1794.278	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1165_2021_WY	44°20'20.23262"	-109°22'34.50846"	1782.390	LCP
1166_2021_WY	44°20'01.08284"	-108°42'16.01084"	1547.842	LCP
1167_2021_WY	44°28'27.29369"	-110°03'13.86435"	2250.405	LCP
1168_2021_WY	44°27'47.36013"	-109°36'55.03699"	1798.987	LCP
1169_2021_WY	44°27'37.33069"	-109°31'32.86709"	1760.461	LCP
1170_2021_WY	44°29'58.36899"	-108°54'17.73238"	1596.902	LCP
1171_2021_WY	44°50'25.82865"	-108°26'12.37120"	1175.568	LCP
1172_2021_WY	44°03'56.94444"	-107°22'37.21383"	1445.953	LCP
1173_2021_WY	43°53'53.21462"	-108°04'55.65979"	1251.164	LCP
1174_2021_WY	44°29'37.89980"	-108°00'12.09513"	1205.562	LCP
1175_2021_WY	44°31'13.32296"	-107°56'28.14922"	1203.638	LCP
1176_2021_WY	44°35'10.34978"	-107°38'38.57168"	1767.739	LCP
1177_2021_WY	44°34'46.14014"	-107°35'06.33607"	2052.820	LCP
1178_2021_WY	44°20'34.56468"	-107°23'19.51160"	2513.404	LCP
1178A_2021_WY	44°18'31.25470"	-107°18'43.15085"	2788.069	LCP
1178B_2021_WY	44°18'31.51122"	-107°18'44.13345"	2787.184	LCP
1179_2021_WY	44°15'59.98745"	-107°16'51.16624"	2748.889	LCP
1180_2021_WY	44°10'46.50534"	-107°14'11.17530"	2536.735	LCP
1181_2021_WY	44°20'38.17902"	-105°29'14.23685"	1337.553	LCP
1182_2021_WY	44°14'41.95985"	-105°39'19.19875"	1443.064	LCP
1183_2021_WY	44°16'41.83589"	-105°12'16.20477"	1291.497	LCP
1184_2021_WY	43°05'54.56676"	-105°57'52.32370"	1835.560	LCP
1185_2021_WY	43°23'10.39642"	-105°32'33.74229"	1468.037	LCP
1186_2021_WY	43°17'25.46570"	-105°07'03.49705"	1449.215	LCP
1187_2021_WY	43°02'57.59861"	-104°53'00.93801"	1447.431	LCP
1188_2021_WY	42°50'21.41992"	-105°44'29.81728"	1492.219	LCP
1189_2021_WY	42°45'56.20830"	-105°27'21.76514"	1495.983	LCP
1190_2021_WY	42°43'04.85564"	-105°23'46.70872"	1454.383	LCP
1191_2021_WY	44°28'43.34446"	-109°54'06.69041"	1987.741	LCP
1192_2021_WY	44°26'58.62518"	-109°00'58.33279"	1597.427	LCP
1193_2021_WY	44°43'32.43305"	-109°22'07.55527"	2308.962	LCP
1194_2021_WY	44°45'37.40970"	-108°18'31.88086"	1254.636	LCP
1195_2021_WY	44°00'03.64669"	-108°14'42.95997"	1388.973	LCP
1196_2021_WY	44°16'33.58033"	-108°02'00.76471"	1217.876	LCP
1197_2021_WY	43°40'29.25496"	-105°30'10.56984"	1524.661	LCP
1198_2021_WY	42°58'23.31296"	-105°35'27.21502"	1569.308	LCP
1204_2021_WY	43°49'10.53702"	-110°17'07.92245"	2350.333	LCP
1205_2021_WY	43°48'49.94466"	-110°15'50.63927"	2392.334	LCP
1206_2021_WY	44°29'02.52381"	-110°01'04.31500"	2140.382	LCP
1207_2021_WY	44°29'51.24576"	-109°58'41.01429"	2074.172	LCP
1208_2021_WY	45°01'08.36976"	-109°56'12.12784"	2296.430	LCP
1209_2021_WY	43°43'46.34801"	-107°41'51.84725"	1442.713	LCP
1210_2021_WY	43°45'47.26680"	-107°46'47.72177"	1429.391	LCP

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

1211_2021_WY	43°45'00.05340"	-107°44'13.66503"	1369.135	LCP
1212_2021_WY	43°47'50.28633"	-107°49'24.24428"	1338.857	LCP
1213_2021_WY	44°01'40.48580"	-107°40'12.41481"	1410.889	LCP
1214_2021_WY	43°42'58.80951"	-107°36'09.22650"	1508.326	LCP
1215_2021_WY	43°42'46.59269"	-107°34'09.88085"	1558.489	LCP
1216_2021_WY	43°04'43.32235"	-105°46'07.34702"	1795.460	LCP
1217_2021_WY	42°43'17.35203"	-105°32'16.75063"	1706.545	LCP
1218_2021_WY	42°42'48.38515"	-105°03'57.30702"	1472.173	LCP
1219_2021_WY	43°16'53.85134"	-110°35'14.92879"	1892.434	LCP
1220_2021_WY	43°17'19.43309"	-110°31'42.49435"	1939.933	LCP
1221_2021_WY	43°43'35.43168"	-110°01'56.23983"	2744.756	LCP
1222_2021_WY	43°42'32.18988"	-109°58'10.02058"	2540.954	LCP
1223_2021_WY	43°38'20.35293"	-109°54'41.03870"	2344.469	LCP
1224_2021_WY	43°37'41.77677"	-109°51'15.02811"	2303.535	LCP
1225_2021_WY	43°36'21.30302"	-109°47'48.71772"	2246.086	LCP
1226_2021_WY	43°34'39.85014"	-109°44'24.54465"	2189.579	LCP
1227_2021_WY	43°33'15.45696"	-109°41'03.87782"	2137.136	LCP
2001_2021_WY	43°50'18.75509"	-107°51'33.76454"	1392.624	NVA
2002_2021_WY	43°55'04.89183"	-108°04'36.85213"	1264.755	NVA
2003_2021_WY	43°52'29.99883"	-108°08'29.65271"	1283.921	NVA
2004_2021_WY	43°54'41.81275"	-108°02'14.48930"	1259.128	NVA
2005_2021_WY	43°44'07.13318"	-107°24'35.81696"	1543.969	NVA
2006_2021_WY	43°50'55.95535"	-107°21'29.42829"	1415.340	NVA
2007_2021_WY	43°55'34.60367"	-107°26'36.62451"	1412.013	NVA
2008_2021_WY	43°32'59.26002"	-107°18'37.39557"	2170.700	NVA
2008A_2021_WY	43°33'06.58278"	-107°20'54.37035"	2037.276	NVA
2009_2021_WY	43°33'05.47033"	-107°21'10.54012"	2050.740	NVA
2010_2021_WY	43°44'16.50105"	-107°10'17.30636"	2161.983	NVA
2011_2021_WY	44°31'05.78035"	-109°03'15.84789"	1539.524	NVA
2012_2021_WY	43°42'35.28516"	-107°24'57.29769"	1596.307	NVA
2013_2021_WY	43°53'25.04175"	-107°22'37.63994"	1410.087	NVA
2014_2021_WY	43°50'49.63177"	-107°21'26.14362"	1415.284	NVA
2015_2021_WY	43°48'42.44399"	-107°42'41.50654"	1497.255	NVA
2016_2021_WY	43°40'58.70983"	-107°27'22.20300"	1612.038	NVA
2017_2021_WY	43°35'17.34644"	-107°08'22.67867"	2349.650	NVA
2018_2021_WY	43°52'43.14103"	-107°18'14.10604"	1472.253	NVA
2019_H_2021_WY	44°00'29.27043"	-107°57'42.42753"	1226.168	NVA
2020_2021_WY	43°43'48.84477"	-107°39'02.39919"	1419.905	NVA
2021_2021_WY	44°09'51.16996"	-107°53'18.77264"	1206.166	NVA
2022_2021_WY	44°04'43.89150"	-108°15'07.04597"	1343.174	NVA
2023_H_2021_WY	43°56'20.24339"	-107°59'54.08446"	1257.624	NVA
2024_H_2021_WY	44°15'11.37102"	-107°58'47.85569"	1203.947	NVA
2025_2021_WY	44°05'47.82431"	-107°58'13.22159"	1268.692	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2026_2021_WY	44°08'28.84749"	-107°57'14.83300"	1237.020	NVA
2027_2021_WY	43°58'44.21873"	-108°00'56.67408"	1253.495	NVA
2028_2021_WY	44°06'08.88082"	-107°55'14.94205"	1204.926	NVA
2029_H_2021_WY	44°21'59.94696"	-108°02'31.39361"	1185.549	NVA
2030_2021_WY	44°00'46.38192"	-108°22'58.12234"	1477.839	NVA
2031_H_2021_WY	44°06'49.71467"	-107°54'31.32250"	1206.416	NVA
2032_2021_WY	44°05'30.21995"	-107°54'28.86594"	1215.289	NVA
2033_2021_WY	43°57'13.50380"	-107°57'20.91382"	1277.301	NVA
2034_H_2021_WY	44°11'23.22827"	-107°56'19.46383"	1207.912	NVA
2035_2021_WY	43°59'29.87527"	-107°58'05.63511"	1229.779	NVA
2036_H_2021_WY	44°00'33.14300"	-108°27'11.48558"	1511.878	NVA
2037_2021_WY	44°02'14.35438"	-107°54'25.57617"	1239.604	NVA
2038_2021_WY	43°58'05.65120"	-108°21'42.57429"	1538.767	NVA
2039_H_2021_WY	44°00'30.94614"	-108°17'14.18207"	1419.632	NVA
2040_2021_WY	44°00'06.52204"	-108°12'31.65240"	1369.970	NVA
2041_H_2021_WY	44°01'10.55051"	-107°56'50.51513"	1226.423	NVA
2042_2021_WY	44°02'32.86517"	-108°12'34.02422"	1402.963	NVA
2043_2021_WY	44°12'46.86050"	-107°54'23.78813"	1195.938	NVA
2044_2021_WY	44°12'18.16250"	-107°34'09.02580"	1414.380	NVA
2045_2021_WY	44°04'50.08198"	-107°18'54.24496"	1617.001	NVA
2046_2021_WY	44°01'05.36135"	-107°42'47.91161"	1453.533	NVA
2047_2021_WY	44°01'16.60528"	-107°43'46.87957"	1416.993	NVA
2048_2021_WY	44°07'46.07514"	-107°31'25.65277"	1330.626	NVA
2049_2021_WY	44°01'22.52931"	-107°34'41.00474"	1452.542	NVA
2050_2021_WY	44°05'48.79196"	-107°17'23.37092"	1827.391	NVA
2051_2021_WY	44°01'34.72248"	-107°37'25.99700"	1375.143	NVA
2052_2021_WY	44°04'13.92635"	-107°26'11.97678"	1467.536	NVA
2053_2021_WY	44°13'44.03001"	-107°46'19.99002"	1258.019	NVA
2054_2021_WY	44°08'18.08945"	-107°14'46.37023"	2269.949	NVA
2055_2021_WY	44°02'39.05525"	-107°43'35.02418"	1420.672	NVA
2055A_2021_WY	44°02'31.10270"	-107°43'41.38571"	1425.924	NVA
2056_2021_WY	43°59'54.94034"	-107°35'23.42311"	1445.162	NVA
2057_2021_WY	44°35'17.47629"	-108°58'15.74029"	1450.680	NVA
2058_2021_WY	44°30'59.09883"	-109°05'02.75610"	1525.395	NVA
2059_2021_WY	44°32'53.54219"	-109°04'50.68573"	1559.279	NVA
2060_2021_WY	44°25'46.09069"	-109°07'44.88507"	1683.444	NVA
2061_2021_WY	44°29'06.47737"	-109°05'58.47567"	1580.683	NVA
2062_2021_WY	44°21'16.92481"	-108°40'21.24075"	1526.092	NVA
2063_2021_WY	44°26'35.05163"	-108°53'37.76472"	1562.174	NVA
2064_2021_WY	44°44'50.16366"	-108°45'10.69428"	1325.249	NVA
2065_2021_WY	44°31'36.66299"	-109°00'14.09487"	1548.306	NVA
2066_2021_WY	44°26'53.67201"	-109°08'39.24600"	1678.035	NVA
2067_2021_WY	44°30'15.81965"	-108°58'57.21588"	1516.980	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2068_2021_WY	44°34'56.55938"	-109°06'49.80271"	1613.976	NVA
2069_2021_WY	44°24'54.76932"	-109°15'04.17089"	1705.714	NVA
2070_2021_WY	44°32'29.25922"	-108°59'47.21846"	1480.130	NVA
2071_2021_WY	44°38'14.55120"	-108°36'25.94727"	1306.779	NVA
2072_2021_WY	44°28'00.55040"	-109°08'14.35376"	1635.897	NVA
2073_2021_WY	44°31'40.15106"	-108°58'31.08010"	1520.927	NVA
2074_2021_WY	44°27'33.72571"	-109°10'37.66406"	1637.751	NVA
2075H_2021_WY	44°30'17.10415"	-108°55'41.20066"	1565.728	NVA
2076_2021_WY	44°21'26.08976"	-108°54'36.19310"	1724.990	NVA
2077H_2021_WY	44°30'44.54326"	-109°00'56.53349"	1547.199	NVA
2078_2021_WY	44°33'19.93353"	-109°03'44.20309"	1548.761	NVA
2079_2021_WY	44°26'35.22142"	-109°12'04.64268"	1657.973	NVA
2080_2021_WY	44°40'39.97061"	-108°17'13.74362"	1288.889	NVA
2081_2021_WY	44°43'15.67164"	-108°13'31.34761"	1258.723	NVA
2082_2021_WY	44°25'56.36306"	-108°22'02.16920"	1302.465	NVA
2083_2021_WY	44°32'01.05254"	-107°46'49.41366"	1281.164	NVA
2084_2021_WY	44°38'26.92242"	-107°52'03.80466"	1452.308	NVA
2085_2021_WY	44°30'19.75695"	-108°12'13.58858"	1241.571	NVA
2086_2021_WY	44°24'45.86765"	-108°09'49.54747"	1207.957	NVA
2087_2021_WY	44°31'53.38288"	-107°50'21.38668"	1255.357	NVA
2088_2021_WY	44°42'16.30765"	-108°08'34.24060"	1136.587	NVA
2089_2021_WY	44°27'17.18719"	-108°03'18.19653"	1166.077	NVA
2090_2021_WY	44°24'11.90950"	-108°19'26.66430"	1274.187	NVA
2091_2021_WY	44°30'42.37209"	-108°02'49.51338"	1142.746	NVA
2092_2021_WY	44°29'37.91443"	-107°59'03.63862"	1197.133	NVA
2093_2021_WY	44°24'35.58877"	-108°11'28.38756"	1211.647	NVA
2094_2021_WY	44°25'55.00759"	-108°02'56.93823"	1169.082	NVA
2095_2021_WY	44°29'28.84983"	-108°18'10.02790"	1302.674	NVA
2096_2021_WY	44°26'50.22909"	-108°27'57.97984"	1351.151	NVA
2097_2021_WY	44°22'41.39199"	-108°24'20.77530"	1322.238	NVA
2098_2021_WY	44°25'04.73948"	-108°23'26.02476"	1308.294	NVA
2099_2021_WY	44°27'27.55010"	-108°27'08.85720"	1351.740	NVA
2100_2021_WY	44°27'18.48427"	-108°05'53.08139"	1172.332	NVA
2101_2021_WY	44°58'55.01796"	-109°03'26.47016"	1254.133	NVA
2102_2021_WY	44°46'54.83578"	-109°25'33.42343"	1936.368	NVA
2103_2021_WY	44°58'58.30587"	-109°15'56.24045"	1698.284	NVA
2104_2021_WY	44°45'02.68151"	-108°44'22.92232"	1319.007	NVA
2105_2021_WY	44°42'20.28568"	-108°56'33.53688"	1434.207	NVA
2106_2021_WY	44°45'01.24685"	-108°40'42.44309"	1309.174	NVA
2107_2021_WY	44°47'50.37271"	-108°46'49.86309"	1331.419	NVA
2108_2021_WY	44°43'46.67153"	-109°18'37.84104"	1952.549	NVA
2109_2021_WY	44°43'28.85115"	-108°44'32.49061"	1314.657	NVA
2110_2021_WY	44°44'19.04725"	-109°01'03.30749"	1550.508	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2111_2021_WY	44°46'38.20396"	-108°44'22.51384"	1311.935	NVA
2112_2021_WY	44°53'58.96654"	-109°08'14.23100"	1270.882	NVA
2113_2021_WY	44°45'40.73078"	-108°44'56.41884"	1319.809	NVA
2114_2021_WY	44°44'30.19393"	-109°30'33.94859"	2050.044	NVA
2115_2021_WY	44°43'10.37311"	-109°20'34.27949"	2212.766	NVA
2116_2021_WY	44°46'05.71479"	-108°49'27.71893"	1368.031	NVA
2117_2021_WY	44°44'07.49803"	-108°36'42.01997"	1243.933	NVA
2118_2021_WY	44°44'18.62134"	-108°47'59.17408"	1347.487	NVA
2119_2021_WY	44°45'58.30840"	-108°43'09.09118"	1307.868	NVA
2120_2021_WY	44°56'07.39131"	-109°05'23.57195"	1258.993	NVA
2121_2021_WY	44°55'46.33244"	-108°38'47.91023"	1274.658	NVA
2122_2021_WY	44°46'27.92942"	-108°40'42.96305"	1291.971	NVA
2123_2021_WY	44°46'29.34680"	-108°46'48.43090"	1330.492	NVA
2124_2021_WY	44°45'26.34833"	-109°25'08.45754"	1862.383	NVA
2125H_2021_WY	44°52'00.10392"	-109°02'19.40676"	1309.375	NVA
2126_2021_WY	44°44'41.49596"	-108°37'02.67864"	1262.251	NVA
2127_2021_WY	44°49'33.72986"	-108°59'28.25296"	1329.443	NVA
2128H_2021_WY	44°58'08.73084"	-108°37'17.06593"	1272.265	NVA
2129_2021_WY	44°42'49.12903"	-108°46'02.94056"	1323.375	NVA
2130H_2021_WY	44°57'13.11491"	-108°37'17.52737"	1268.058	NVA
2131_2021_WY	44°46'53.83594"	-108°39'38.06478"	1285.463	NVA
2132_2021_WY	44°43'32.47683"	-108°53'30.01184"	1402.587	NVA
2133_2021_WY	44°50'29.63414"	-108°17'50.56698"	1149.877	NVA
2134_2021_WY	44°51'44.15597"	-108°20'55.61148"	1156.911	NVA
2135_2021_WY	44°48'58.89023"	-108°07'50.13180"	1177.646	NVA
2136_2021_WY	44°51'03.10684"	-108°16'10.93195"	1136.798	NVA
2137_2021_WY	44°58'22.09970"	-108°20'55.84580"	1213.677	NVA
2138_H_2021_WY	44°48'36.78090"	-108°24'50.64913"	1186.993	NVA
2139_H_2021_WY	44°49'02.05379"	-108°22'23.19185"	1174.702	NVA
2140_2021_WY	44°51'03.68297"	-108°18'38.24485"	1134.816	NVA
2141_H_2021_WY	44°50'13.73011"	-108°24'48.00221"	1161.855	NVA
2142_2021_WY	44°48'11.78445"	-107°57'19.61403"	2445.221	NVA
2142A_2021_WY	44°47'26.33118"	-108°05'09.09439"	1295.224	NVA
2143_2021_WY	44°46'02.43209"	-108°32'00.68346"	1231.267	NVA
2144_2021_WY	44°53'04.26318"	-108°26'23.14485"	1189.543	NVA
2145_2021_WY	44°48'28.79065"	-108°28'58.17527"	1203.330	NVA
2146_H_2021_WY	44°47'46.15054"	-108°30'16.37781"	1213.973	NVA
2147_2021_WY	44°57'10.00162"	-108°17'42.14324"	1143.022	NVA
2148_2021_WY	43°15'41.29685"	-105°17'13.83544"	1434.062	NVA
2149_2021_WY	43°03'37.81358"	-105°36'52.76241"	1671.214	NVA
2150_2021_WY	43°59'20.49604"	-107°15'55.70876"	1743.207	NVA
2153_H_2021_WY	42°52'26.51336"	-105°16'26.07476"	1618.291	NVA
2154_2021_WY	44°16'24.07537"	-108°52'48.05159"	1754.414	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2155_2021_WY	42°53'29.45161"	-105°50'39.48936"	1608.027	NVA
2156_2021_WY	44°18'52.63026"	-105°14'09.19764"	1326.146	NVA
2157_H_2021_WY	42°49'34.77596"	-105°47'50.89174"	1518.940	NVA
2157A_H_2021_WY	42°49'34.69433"	-105°47'51.00929"	1518.808	NVA
2158_2021_WY	43°28'54.19674"	-105°18'10.21386"	1362.637	NVA
2160_2021_WY	43°47'13.74794"	-110°57'33.81987"	2418.935	NVA
2160A_2021_WY	43°55'24.73919"	-110°59'51.61263"	2289.317	NVA
2160B_2021_WY	43°55'21.35686"	-110°59'49.62648"	2292.897	NVA
2161_2021_WY	44°23'27.73831"	-107°33'41.36399"	2033.495	NVA
2162_2021_WY	43°05'34.57229"	-105°02'40.14666"	1355.490	NVA
2163_2021_WY	44°25'01.27540"	-107°42'21.46791"	1683.158	NVA
2164_2021_WY	42°51'58.79585"	-105°04'19.87597"	1546.095	NVA
2165_2021_WY	42°59'15.20156"	-105°36'49.24002"	1566.844	NVA
2167_2021_WY	42°45'52.53608"	-105°59'31.62165"	1613.052	NVA
2167A_2021_WY	42°46'35.82824"	-105°58'07.24759"	1610.847	NVA
2168_2021_WY	43°25'18.47147"	-105°50'08.18287"	1558.203	NVA
2169_2021_WY	43°53'08.92377"	-107°59'34.58886"	1305.592	NVA
2171_2021_WY	44°13'49.30833"	-109°02'18.96660"	2004.117	NVA
2173_H_2021_WY	42°55'29.54626"	-105°45'31.90784"	1620.844	NVA
2174_2021_WY	44°05'37.30129"	-108°45'58.48870"	1762.134	NVA
2175_2021_WY	43°36'41.26578"	-110°27'14.64120"	2137.143	NVA
2175A_2021_WY	43°37'16.67866"	-110°28'48.75808"	2184.451	NVA
2176_H_2021_WY	42°47'57.48964"	-105°26'12.91112"	1462.778	NVA
2177_2021_WY	44°15'56.77039"	-105°18'43.62566"	1386.256	NVA
2178_2021_WY	44°02'21.34319"	-107°25'50.03474"	1351.667	NVA
2179_2021_WY	44°24'59.57824"	-107°33'08.36766"	2185.880	NVA
2180_H_2021_WY	42°51'36.67839"	-105°51'18.08909"	1516.085	NVA
2181_H_2021_WY	42°43'01.90458"	-105°17'52.36770"	1542.860	NVA
2182_2021_WY	43°44'57.86993"	-105°30'26.37229"	1484.627	NVA
2183_2021_WY	42°40'52.99203"	-105°01'37.19447"	1447.848	NVA
2184_2021_WY	43°17'53.73228"	-105°15'36.50804"	1400.397	NVA
2184A_2021_WY	43°19'13.15962"	-105°12'12.63791"	1389.464	NVA
2186_2021_WY	43°43'25.49397"	-105°21'44.95230"	1433.229	NVA
2187_2021_WY	44°22'48.82396"	-107°59'36.33905"	1262.372	NVA
2188_H_2021_WY	42°43'40.01968"	-105°19'12.57220"	1539.507	NVA
2190_H_2021_WY	42°40'37.73733"	-105°23'51.20834"	1446.463	NVA
2191_H_2021_WY	42°45'23.37975"	-105°23'51.05318"	1450.123	NVA
2192_2021_WY	43°39'41.13977"	-105°28'08.00400"	1500.789	NVA
2193_2021_WY	43°38'49.44284"	-105°21'08.68742"	1468.634	NVA
2194_2021_WY	43°17'55.76185"	-105°20'00.85323"	1400.559	NVA
2195_2021_WY	44°28'39.44090"	-108°44'03.03867"	1517.951	NVA
2196_2021_WY	44°16'07.00334"	-107°33'19.13424"	1419.030	NVA
2197_2021_WY	43°45'24.08863"	-105°29'23.34410"	1490.386	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2198_2021_WY	44°39'20.59947"	-105°06'51.39306"	1228.842	NVA
2200_H_2021_WY	42°48'03.80766"	-105°20'49.39100"	1494.756	NVA
2201_2021_WY	42°53'52.20140"	-105°39'10.68264"	1556.592	NVA
2201A_2021_WY	42°56'22.94938"	-105°38'20.84719"	1614.201	NVA
2202_H_2021_WY	43°21'39.36827"	-105°23'01.11202"	1479.158	NVA
2203_2021_WY	44°28'32.26221"	-108°42'10.49471"	1496.837	NVA
2204_2021_WY	43°55'17.68504"	-105°22'16.31326"	1437.930	NVA
2205_2021_WY	42°27'26.05985"	-105°26'49.90957"	1723.250	NVA
2206_2021_WY	43°47'45.91340"	-110°22'18.97771"	2394.056	NVA
2208_2021_WY	42°24'22.98482"	-105°24'01.61589"	1964.508	NVA
2209_2021_WY	42°37'12.43825"	-105°23'51.76837"	1538.353	NVA
2210_2021_WY	44°09'05.97115"	-108°51'30.29854"	1776.739	NVA
2211_2021_WY	44°27'43.44971"	-107°52'07.19315"	1246.633	NVA
2212_2021_WY	43°35'10.89696"	-105°49'51.72925"	1623.487	NVA
2213_2021_WY	43°14'03.08201"	-105°02'09.81157"	1409.756	NVA
2214_H_2021_WY	42°46'09.25846"	-105°22'49.78266"	1454.346	NVA
2215_2021_WY	42°46'56.56906"	-105°30'55.97780"	1529.591	NVA
2216_2021_WY	42°44'14.37218"	-105°25'54.07851"	1505.085	NVA
2217_2021_WY	44°08'46.24569"	-107°40'03.17569"	1325.966	NVA
2218_2021_WY	43°23'37.92762"	-105°23'55.91445"	1529.973	NVA
2219_2021_WY	42°47'20.94598"	-105°30'55.98276"	1524.521	NVA
2222_2021_WY	42°52'34.69990"	-105°04'02.79429"	1532.755	NVA
2223_2021_WY	42°51'29.13410"	-105°40'09.34696"	1488.969	NVA
2224_2021_WY	43°49'38.19661"	-110°19'15.83923"	2343.566	NVA
2225_2021_WY	43°43'23.80813"	-105°27'01.31400"	1487.407	NVA
2226_2021_WY	43°59'27.37819"	-107°16'16.46593"	1727.452	NVA
2227_2021_WY	44°14'29.73239"	-108°30'46.50467"	1502.579	NVA
2227A_2021_WY	44°11'13.65644"	-108°23'35.69276"	1376.742	NVA
2228_2021_WY	44°26'38.32289"	-109°25'36.98756"	1872.627	NVA
2229_H_2021_WY	42°46'53.81314"	-105°22'56.91797"	1478.956	NVA
2230_2021_WY	44°24'33.10072"	-107°38'24.82622"	1847.075	NVA
2231A_2021_WY	44°11'45.96331"	-108°53'34.31166"	1753.517	NVA
2232_2021_WY	43°41'10.55672"	-110°34'53.14997"	2173.564	NVA
2233_2021_WY	42°44'54.20519"	-105°19'20.96302"	1521.643	NVA
2234_2021_WY	43°58'22.03257"	-107°09'41.62234"	2299.762	NVA
2235_2021_WY	42°38'30.35600"	-105°30'48.28531"	1593.350	NVA
2236_2021_WY	44°18'03.19404"	-108°57'55.93422"	1804.677	NVA
2239_2021_WY	42°26'10.49147"	-105°22'12.22442"	1884.926	NVA
2240_2021_WY	43°25'01.93121"	-105°03'23.82686"	1317.155	NVA
2241_2021_WY	42°44'42.18147"	-105°06'22.60970"	1468.638	NVA
2242_H_2021_WY	43°12'52.94220"	-105°42'00.97195"	1553.575	NVA
2243_2021_WY	43°46'14.36133"	-105°28'32.20347"	1514.149	NVA
2244_2021_WY	42°50'08.24241"	-105°51'21.25897"	1551.362	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2245_2021_WY	43°16'46.65146"	-104°59'44.51259"	1465.568	NVA
2246_2021_WY	44°20'23.34528"	-107°36'13.29349"	1480.184	NVA
2247_2021_WY	42°57'42.55393"	-105°37'03.83227"	1560.860	NVA
2248_2021_WY	43°43'36.18323"	-105°29'14.00335"	1490.386	NVA
2248A_2021_WY	43°43'46.53413"	-105°33'57.85762"	1548.645	NVA
2249_2021_WY	42°28'31.62501"	-105°59'36.86425"	2381.320	NVA
2250_2021_WY	42°32'04.94508"	-105°24'57.67943"	1544.635	NVA
2251_2021_WY	44°16'34.36234"	-107°31'37.61596"	1473.419	NVA
2253_2021_WY	43°54'48.95972"	-105°21'22.02539"	1451.700	NVA
2254_2021_WY	43°51'26.56893"	-107°54'42.39334"	1297.253	NVA
2255_2021_WY	44°05'15.53635"	-109°16'54.69473"	2638.987	NVA
2256_2021_WY	43°06'00.19607"	-105°36'34.57396"	1649.071	NVA
2256A_2021_WY	43°06'29.56805"	-105°42'47.01823"	1697.946	NVA
2257_2021_WY	42°37'24.38511"	-105°30'50.69779"	1594.118	NVA
2258_2021_WY	43°51'13.80396"	-105°27'37.74161"	1434.602	NVA
2259_2021_WY	44°05'28.08586"	-109°05'22.49419"	1967.018	NVA
2260_2021_WY	43°47'46.69566"	-110°15'32.61380"	2575.150	NVA
2261_2021_WY	43°22'19.89849"	-105°07'25.69318"	1410.261	NVA
2262_2021_WY	43°05'57.88006"	-105°28'14.03669"	1631.791	NVA
2263_2021_WY	42°56'48.39682"	-105°35'54.32347"	1560.621	NVA
2264_2021_WY	42°39'23.80357"	-105°51'25.42828"	1997.690	NVA
2266_2021_WY	42°41'08.82699"	-105°14'09.71790"	1471.417	NVA
2266A_2021_WY	42°39'39.85573"	-105°12'24.89544"	1443.726	NVA
2267_2021_WY	42°28'34.02475"	-105°26'17.76116"	1664.891	NVA
2268_H_2021_WY	43°58'00.72366"	-108°07'30.54545"	1318.494	NVA
2269_2021_WY	44°31'53.90178"	-105°57'18.99548"	1175.030	NVA
2271_H_2021_WY	42°47'35.10837"	-105°35'59.51235"	1542.165	NVA
2272_H_2021_WY	43°08'01.92400"	-105°15'33.53019"	1434.928	NVA
2273_2021_WY	43°38'08.40693"	-105°17'01.09226"	1445.135	NVA
2274_2021_WY	42°49'29.71821"	-105°17'03.08505"	1549.818	NVA
2275_2021_WY	43°08'56.39886"	-105°50'25.07541"	1671.297	NVA
2276_2021_WY	42°44'35.90751"	-105°05'13.09888"	1481.994	NVA
2277_2021_WY	43°53'19.12875"	-105°27'09.18337"	1424.851	NVA
2278_2021_WY	42°49'43.33144"	-105°19'07.91491"	1520.321	NVA
2279_H_2021_WY	42°44'58.52342"	-105°21'49.76781"	1474.808	NVA
2280_2021_WY	44°16'39.37594"	-109°27'57.71502"	1936.251	NVA
2282_2021_WY	42°40'25.26071"	-105°47'01.85650"	2009.805	NVA
2284_2021_WY	44°24'56.77691"	-105°27'14.99197"	1264.817	NVA
2285_2021_WY	42°49'04.68454"	-105°42'22.34351"	1526.213	NVA
2286_2021_WY	43°49'16.45286"	-110°14'47.41895"	2466.160	NVA
2287_2021_WY	43°17'57.64298"	-105°52'51.77246"	1633.569	NVA
2289A_2021_WY	44°16'44.94037"	-108°53'31.45712"	1716.988	NVA
2290_2021_WY	42°39'36.82923"	-105°40'47.98406"	1745.338	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2291_2021_WY	43°23'52.93946"	-105°21'33.22533"	1479.252	NVA
2292_2021_WY	44°14'41.73731"	-105°40'52.51107"	1438.452	NVA
2293_2021_WY	44°10'18.28751"	-105°42'26.96828"	1487.593	NVA
2294_2021_WY	44°12'28.59066"	-105°50'49.99440"	1400.221	NVA
2295_2021_WY	44°13'30.17124"	-105°34'20.87937"	1433.821	NVA
2296_2021_WY	44°45'31.93850"	-107°46'37.65282"	2869.876	NVA
2297_2021_WY	44°18'13.69991"	-105°29'15.45699"	1379.040	NVA
2298_2021_WY	44°14'07.96670"	-105°44'26.49647"	1410.504	NVA
2299_2021_WY	44°41'08.32674"	-105°43'53.97195"	1248.347	NVA
2300_2021_WY	44°46'34.02330"	-105°41'11.65907"	1259.719	NVA
2301_2021_WY	44°26'04.12321"	-105°34'02.12137"	1268.033	NVA
2302_2021_WY	44°01'41.14716"	-105°27'50.82987"	1414.608	NVA
2303_2021_WY	44°17'33.24272"	-105°32'58.91774"	1397.210	NVA
2304_2021_WY	44°12'06.69309"	-105°21'36.82440"	1418.558	NVA
2305_2021_WY	44°47'09.89467"	-105°48'02.50766"	1243.845	NVA
2306_2021_WY	44°59'19.02311"	-105°29'07.84520"	1100.848	NVA
2307_H_2021_WY	44°16'37.35922"	-105°30'28.12079"	1377.336	NVA
2308_2021_WY	44°17'06.34964"	-105°21'36.29176"	1326.597	NVA
2309_2021_WY	44°17'14.46478"	-105°19'42.66931"	1323.376	NVA
2310_2021_WY	44°17'30.95933"	-105°14'44.75177"	1303.271	NVA
2311_2021_WY	44°03'35.04687"	-105°41'28.01044"	1491.097	NVA
2312_2021_WY	44°10'38.53176"	-105°54'09.84484"	1314.850	NVA
2313_2021_WY	44°35'49.14721"	-105°34'51.09032"	1181.495	NVA
2314_2021_WY	44°41'31.90376"	-105°13'12.25182"	1205.713	NVA
2315_2021_WY	44°55'40.60642"	-109°43'19.34651"	2149.819	NVA
2316_2021_WY	44°45'23.83848"	-105°17'24.06397"	1135.435	NVA
2317_2021_WY	44°42'29.13293"	-105°22'15.41573"	1101.349	NVA
2318_2021_WY	44°43'27.31642"	-105°32'51.14648"	1178.351	NVA
2319_2021_WY	44°13'45.88437"	-105°52'46.33023"	1456.865	NVA
2320_2021_WY	44°16'36.82626"	-105°50'17.36109"	1413.673	NVA
2321_2021_WY	44°32'35.32056"	-105°21'00.10928"	1164.963	NVA
2322_2021_WY	44°19'45.18425"	-105°15'49.08747"	1357.065	NVA
2323_2021_WY	44°17'16.11007"	-105°19'17.00618"	1323.303	NVA
2324_2021_WY	44°52'57.05562"	-109°15'12.26748"	1377.701	NVA
2325_2021_WY	44°27'14.06893"	-105°13'28.40275"	1200.534	NVA
2326_2021_WY	44°25'44.50869"	-105°13'32.42061"	1245.145	NVA
2326A_2021_WY	44°31'07.18377"	-105°13'59.85190"	1178.928	NVA
2327_2021_WY	44°41'36.69778"	-105°12'30.75792"	1231.587	NVA
2328_2021_WY	44°06'18.57220"	-105°20'45.76423"	1355.721	NVA
2329_2021_WY	43°37'52.47736"	-105°42'45.67578"	1587.931	NVA
2330_H_2021_WY	44°17'41.39995"	-105°31'50.69713"	1382.845	NVA
2331_2021_WY	44°43'52.24808"	-105°22'42.77032"	1087.871	NVA
2332_2021_WY	44°58'01.83136"	-109°49'33.09219"	2125.829	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2333_2021_WY	44°04'33.58879"	-105°43'41.50368"	1492.246	NVA
2334_2021_WY	44°05'07.83259"	-105°14'18.23914"	1325.752	NVA
2335_2021_WY	44°48'30.34634"	-105°40'35.32064"	1223.569	NVA
2336_2021_WY	44°48'05.66784"	-109°27'13.26636"	2109.186	NVA
2337_2021_WY	44°38'20.77856"	-105°12'24.67444"	1215.839	NVA
2338_2021_WY	44°07'57.66732"	-105°27'07.07797"	1375.099	NVA
2339_2021_WY	44°41'08.29192"	-109°38'30.72346"	2146.815	NVA
2340_2021_WY	44°26'30.43065"	-105°13'31.68641"	1214.048	NVA
2341_2021_WY	44°40'18.41009"	-105°58'57.55616"	1209.464	NVA
2342_2021_WY	44°47'46.58097"	-105°23'40.33955"	1073.430	NVA
2343_2021_WY	44°54'53.13210"	-109°10'44.97281"	1291.127	NVA
2344_2021_WY	44°42'40.80593"	-105°28'31.49267"	1161.060	NVA
2345_2021_WY	44°50'48.63555"	-105°53'43.44711"	1132.429	NVA
2346_2021_WY	44°42'27.84601"	-105°57'01.49369"	1247.263	NVA
2347_2021_WY	44°16'57.98060"	-105°31'31.70457"	1397.032	NVA
2348_2021_WY	44°00'09.82574"	-105°17'40.34909"	1391.572	NVA
2349_2021_WY	44°09'06.53904"	-105°26'44.34950"	1393.319	NVA
2350_2021_WY	44°48'45.20226"	-105°54'11.41637"	1191.512	NVA
2351_2021_WY	44°42'38.41161"	-108°52'37.46914"	1376.008	NVA
2352_2021_WY	44°30'14.86147"	-109°15'33.28001"	1652.623	NVA
2353_2021_WY	44°37'39.06524"	-105°42'18.69543"	1232.173	NVA
2354_2021_WY	44°09'43.09380"	-105°53'21.22340"	1378.185	NVA
2355_2021_WY	44°15'52.32400"	-105°31'45.03549"	1381.270	NVA
2356_2021_WY	44°13'45.21868"	-105°26'57.10375"	1395.553	NVA
2357_2021_WY	44°13'15.57220"	-105°27'24.01836"	1405.081	NVA
2358_2021_WY	44°39'07.13285"	-105°17'38.80306"	1128.131	NVA
2359_2021_WY	44°23'29.66235"	-105°13'32.96870"	1234.011	NVA
2360_2021_WY	44°17'22.26727"	-105°26'41.47424"	1353.306	NVA
2361_2021_WY	44°12'00.24492"	-105°20'14.50482"	1384.230	NVA
2362_2021_WY	43°50'36.58321"	-105°49'55.48675"	1554.442	NVA
2363_2021_WY	44°49'22.50373"	-105°41'02.57176"	1218.213	NVA
2364_2021_WY	44°33'16.28917"	-105°14'52.02127"	1157.066	NVA
2365_2021_WY	44°14'55.88401"	-105°28'43.99205"	1373.280	NVA
2366_2021_WY	44°13'07.49034"	-105°56'18.41476"	1407.362	NVA
2367_2021_WY	44°32'42.94034"	-105°24'00.94248"	1182.210	NVA
2368_2021_WY	44°27'50.59788"	-109°39'37.21587"	1823.021	NVA
2369_2021_WY	44°13'26.27155"	-105°44'47.42616"	1437.873	NVA
2370_2021_WY	44°45'14.32648"	-105°44'29.23216"	1226.666	NVA
2371_2021_WY	44°00'16.36116"	-105°38'58.10656"	1492.389	NVA
2372_2021_WY	44°31'12.58099"	-105°33'26.51161"	1254.823	NVA
2373_2021_WY	44°50'26.31459"	-108°19'52.65444"	1144.575	NVA
2374_2021_WY	44°18'40.74548"	-105°15'05.26299"	1319.942	NVA
2375_2021_WY	44°50'44.37198"	-109°37'29.89055"	1990.528	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2376_2021_WY	43°49'22.53575"	-105°46'57.34628"	1533.952	NVA
2377_2021_WY	44°39'52.82617"	-105°33'32.42241"	1201.329	NVA
2378_2021_WY	44°13'31.52977"	-105°35'25.43629"	1445.055	NVA
2379_2021_WY	44°57'29.48415"	-105°48'32.14578"	1095.926	NVA
3002_2021_WY	43°51'24.92422"	-107°21'36.45567"	1409.233	VVA
3003_2021_WY	44°27'54.87898"	-108°54'31.60491"	1553.894	VVA
3004_2021_WY	44°54'54.38829"	-109°41'54.35821"	2077.255	VVA
3005_2021_WY	43°57'48.26643"	-107°30'54.49141"	1498.787	VVA
3006_2021_WY	44°17'35.48613"	-105°33'31.37168"	1401.900	VVA
3007_2021_WY	44°58'38.54635"	-105°41'50.63871"	1169.948	VVA
3008_2021_WY	43°35'48.19121"	-110°14'58.77119"	2645.014	VVA
3009_2021_WY	44°15'27.36004"	-105°18'00.79412"	1336.130	VVA
3010_2021_WY	44°54'52.32184"	-109°12'33.08493"	1343.042	VVA
3011_2021_WY	43°45'57.31192"	-107°46'55.96544"	1443.020	VVA
3012_2021_WY	44°51'53.71598"	-108°46'22.48286"	1523.058	VVA
3013_2021_WY	43°38'50.20842"	-107°18'01.71146"	1713.078	VVA
3014_2021_WY	44°34'48.13458"	-108°07'22.75747"	1146.213	VVA
3015_2021_WY	44°12'41.61005"	-107°31'33.02498"	1531.625	VVA
3016_2021_WY	43°41'59.58963"	-107°16'37.46559"	1594.706	VVA
3017_2021_WY	44°23'55.43141"	-109°17'29.49119"	1685.253	VVA
3018_2021_WY	44°41'28.62809"	-108°05'40.36328"	1191.004	VVA
3019_2021_WY	44°43'39.77622"	-105°18'43.45067"	1112.930	VVA
3020_2021_WY	44°50'34.12464"	-109°36'51.60732"	2008.691	VVA
3021_2021_WY	43°36'15.02391"	-107°24'38.43183"	1621.700	VVA
3022_2021_WY	44°06'31.03438"	-109°15'05.20826"	2225.251	VVA
3023_2021_WY	43°58'31.23943"	-108°58'25.54360"	2004.662	VVA
3024_2021_WY	44°24'06.91874"	-109°00'02.25747"	1655.183	VVA
3025_2021_WY	44°25'46.55314"	-108°50'00.79934"	1561.345	VVA
3026_2021_WY	44°48'27.48699"	-107°52'29.09369"	2761.120	VVA
3027_2021_WY	44°19'57.46360"	-105°12'31.10870"	1346.512	VVA
3028_2021_WY	43°48'21.78321"	-107°49'51.00373"	1318.191	VVA
3029_2021_WY	44°26'04.88588"	-109°13'41.05362"	1646.917	VVA
3030_2021_WY	44°13'38.81602"	-107°35'23.77770"	1368.727	VVA
3031_2021_WY	44°31'16.63388"	-107°30'44.64912"	2622.821	VVA
3032_2021_WY	43°36'24.99113"	-110°24'46.35740"	2145.129	VVA
3033_2021_WY	43°22'16.29186"	-105°12'03.37574"	1357.689	VVA
3033A_2021_WY	43°22'08.82787"	-105°12'03.15740"	1358.052	VVA
3034_2021_WY	44°06'11.33781"	-108°58'00.14582"	1852.621	VVA
3035_2021_WY	42°51'15.47337"	-105°29'33.36969"	1475.026	VVA
3036_2021_WY	44°01'46.72823"	-107°24'35.19816"	1425.940	VVA
3037_2021_WY	44°34'26.20009"	-107°32'25.14979"	2307.012	VVA
3038_2021_WY	43°56'58.97176"	-105°22'46.38237"	1407.785	VVA
3039_2021_WY	44°01'15.74804"	-107°48'23.38651"	1359.723	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3040_2021_WY	44°54'20.65490"	-109°12'52.90370"	1336.460	VVA
3041_2021_WY	44°01'10.45781"	-108°49'07.82655"	1814.029	VVA
3042_2021_WY	43°49'49.70998"	-110°18'17.84462"	2354.537	VVA
3043_2021_WY	43°41'58.24160"	-110°35'26.97058"	2393.367	VVA
3044_2021_WY	43°44'43.87736"	-105°47'05.52522"	1549.348	VVA
3045A_2021_WY	44°53'25.13077"	-108°41'28.33840"	1318.887	VVA
3046_2021_WY	42°53'09.17813"	-105°13'54.78904"	1552.511	VVA
3047_2021_WY	43°45'33.98745"	-107°14'20.32676"	1945.655	VVA
3048_2021_WY	44°08'16.45501"	-107°39'10.61428"	1349.197	VVA
3049_2021_WY	42°28'18.58686"	-105°59'26.54430"	2414.919	VVA
3050_2021_WY	43°55'35.23609"	-107°26'37.14176"	1411.226	VVA
3051_2021_WY	44°46'53.80341"	-108°46'17.31035"	1324.455	VVA
3052_2021_WY	44°39'45.72108"	-107°50'40.72106"	1535.973	VVA
3053_2021_WY	43°50'22.36109"	-105°21'53.90311"	1451.867	VVA
3054_2021_WY	42°28'19.53291"	-106°02'31.19872"	2326.007	VVA
3055_2021_WY	43°58'07.99158"	-107°11'56.04793"	2217.656	VVA
3056_2021_WY	43°25'18.38506"	-104°56'22.05901"	1319.007	VVA
3057_2021_WY	42°26'43.61369"	-105°57'17.99869"	2517.316	VVA
3058_2021_WY	43°49'20.87609"	-107°21'16.89969"	1481.631	VVA
3059_2021_WY	43°46'21.63207"	-107°40'50.87934"	1494.671	VVA
3060_2021_WY	43°46'35.35895"	-110°18'28.30213"	2462.780	VVA
3061_2021_WY	42°43'33.46002"	-105°22'42.33461"	1457.471	VVA
3063_2021_WY	43°51'14.50486"	-105°21'53.30634"	1450.204	VVA
3064_2021_WY	44°52'46.96874"	-109°10'43.21553"	1292.243	VVA
3065_2021_WY	44°55'49.81323"	-105°38'59.49655"	1228.602	VVA
3066A_2021_WY	44°05'14.89423"	-109°16'56.28384"	2647.542	VVA
3067_2021_WY	43°51'22.54191"	-107°17'16.54334"	1606.613	VVA
3068_2021_WY	43°55'31.36812"	-107°31'44.76667"	1501.128	VVA
3069_2021_WY	43°59'45.84259"	-108°09'55.74048"	1360.547	VVA
3070_2021_WY	42°45'06.82578"	-105°23'57.97338"	1449.871	VVA
3071_2021_WY	44°06'37.95384"	-107°16'00.71826"	1985.487	VVA
3072_2021_WY	44°54'20.77749"	-109°10'39.57894"	1293.031	VVA
3073_2021_WY	44°06'55.91335"	-109°15'22.83260"	2163.767	VVA
3074_2021_WY	44°06'17.16706"	-107°29'33.51497"	1353.011	VVA
3075_2021_WY	44°43'02.28782"	-109°21'24.51448"	2260.379	VVA
3076A_2021_WY	44°50'31.27175"	-109°37'26.03947"	1994.957	VVA
3078_2021_WY	44°57'52.01832"	-108°51'59.91305"	1351.551	VVA
3079_2021_WY	44°06'55.75814"	-108°17'35.32752"	1372.746	VVA
3080_2021_WY	44°00'48.72230"	-108°22'26.68675"	1466.806	VVA
3081_2021_WY	43°27'54.31177"	-110°43'48.76612"	1954.720	VVA
3082_2021_WY	44°58'03.05151"	-108°42'41.08823"	1435.093	VVA
3083_2021_WY	42°46'11.54157"	-105°24'23.65784"	1463.299	VVA
3084_2021_WY	44°34'29.79029"	-109°01'09.13708"	1527.581	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3085_2021_WY	42°47'45.60093"	-105°36'48.27333"	1570.934	VVA
3086_2021_WY	42°38'18.24586"	-105°30'41.18204"	1579.910	VVA
3087_2021_WY	44°40'58.11777"	-105°14'46.19433"	1170.099	VVA
3088_2021_WY	42°30'33.84092"	-105°47'35.65912"	2206.745	VVA
3089_2021_WY	44°57'00.94706"	-109°09'49.30263"	1309.523	VVA
3090_2021_WY	43°43'53.12209"	-107°39'11.31097"	1419.371	VVA
3091_2021_WY	44°49'56.94002"	-109°36'51.81508"	2021.926	VVA
3093_2021_WY	44°45'30.62149"	-108°58'37.43924"	1491.045	VVA
3094_2021_WY	43°48'22.20898"	-110°09'53.44885"	2622.211	VVA
3095_2021_WY	43°21'16.22257"	-110°26'38.37025"	2081.668	VVA
3096_2021_WY	43°46'25.16868"	-110°14'00.80057"	2540.478	VVA
3097_2021_WY	43°31'03.71598"	-110°35'29.58302"	2669.252	VVA
3098_2021_WY	44°27'30.14898"	-109°51'42.44799"	1960.258	VVA
3099_2021_WY	44°27'12.36183"	-109°45'33.10034"	1893.803	VVA
3100_2021_WY	43°45'50.43728"	-110°29'14.29539"	2246.298	VVA
3101_2021_WY	43°50'49.41459"	-110°15'39.64765"	2186.145	VVA
3102_2021_WY	42°21'23.61458"	-105°26'43.53827"	1953.166	VVA
3104_2021_WY	42°44'47.55848"	-105°53'26.58505"	1952.351	VVA
3105_2021_WY	43°32'12.68843"	-110°33'34.17945"	2258.897	VVA
3106_2021_WY	43°55'25.14792"	-110°59'50.88542"	2286.154	VVA
3107_2021_WY	44°05'04.40539"	-107°18'29.77748"	1647.131	VVA
3108_2021_WY	43°51'37.45664"	-110°58'54.97078"	2337.069	VVA
3109_2021_WY	44°19'03.64524"	-105°27'00.08806"	1361.361	VVA
3110_2021_WY	44°13'56.78342"	-105°35'19.10092"	1434.891	VVA
3111_2021_WY	44°45'38.57771"	-108°43'47.10956"	1312.330	VVA
3112_2021_WY	43°44'59.67154"	-105°47'11.89508"	1562.748	VVA
3113_2021_WY	44°19'01.82979"	-105°40'43.45071"	1410.180	VVA
3114_2021_WY	44°51'45.72614"	-105°36'58.15698"	1231.797	VVA
3115_2021_WY	44°15'06.90426"	-105°32'29.88531"	1405.868	VVA
3116_2021_WY	44°14'52.02522"	-105°35'28.81697"	1419.631	VVA
3118_2021_WY	44°13'02.91287"	-105°07'36.96724"	1333.625	VVA
3119_2021_WY	44°22'31.15301"	-108°19'36.24464"	1279.466	VVA
3120_2021_WY	43°18'44.77538"	-104°57'32.22173"	1366.085	VVA
3121_2021_WY	43°52'40.78210"	-105°19'26.73156"	1425.240	VVA
3122_2021_WY	43°03'16.04755"	-105°21'22.38371"	1529.734	VVA
3122A_2021_WY	43°04'46.50762"	-105°24'54.96084"	1503.610	VVA
3123_2021_WY	44°07'46.23920"	-107°31'24.46357"	1329.680	VVA
3124_2021_WY	44°15'00.39986"	-105°30'00.20010"	1386.488	VVA
3125_2021_WY	44°48'47.12392"	-108°21'45.11260"	1172.846	VVA
3126_2021_WY	44°29'05.64992"	-105°33'43.74874"	1268.084	VVA
3127_2021_WY	43°46'13.80635"	-105°41'05.42001"	1487.873	VVA
3128_2021_WY	42°46'00.48111"	-105°12'41.91773"	1592.085	VVA
3129_2021_WY	44°25'54.92007"	-109°10'01.47284"	1731.717	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3130_2021_WY	44°14'36.50483"	-105°34'07.79343"	1407.895	VVA
3131_2021_WY	43°06'29.59084"	-105°00'34.69319"	1359.129	VVA
3132_2021_WY	42°49'29.22121"	-105°18'26.10061"	1531.519	VVA
3133_2021_WY	44°25'24.10709"	-109°16'42.97870"	1698.121	VVA
3134_2021_WY	43°56'49.20548"	-105°38'54.45881"	1510.620	VVA
3135_2021_WY	43°51'02.72278"	-107°53'58.59754"	1297.983	VVA
3136_2021_WY	44°13'01.26015"	-105°33'28.07826"	1452.722	VVA
3137_2021_WY	44°45'59.40583"	-109°26'36.90849"	1960.842	VVA
3138_2021_WY	44°01'46.93628"	-108°01'36.60053"	1241.913	VVA
3139_2021_WY	44°09'21.38227"	-105°35'14.11761"	1422.690	VVA
3140_2021_WY	44°23'25.75640"	-109°17'34.04290"	1700.332	VVA
3141_2021_WY	44°24'08.20083"	-108°55'13.52924"	1614.920	VVA
3142_2021_WY	44°28'42.29460"	-109°22'01.01944"	1662.226	VVA
3144_2021_WY	42°58'01.03982"	-105°51'08.79292"	1623.919	VVA
3145_2021_WY	42°54'24.88198"	-105°33'22.37265"	1519.532	VVA
3146_2021_WY	42°49'05.46604"	-105°42'25.46446"	1528.674	VVA
3147_2021_WY	44°10'06.88122"	-107°53'06.86349"	1208.720	VVA
3148_2021_WY	43°52'11.03336"	-105°47'21.19863"	1551.809	VVA
3149_2021_WY	44°38'14.16915"	-108°36'25.85240"	1306.742	VVA
3150_2021_WY	44°52'43.12692"	-108°36'01.71144"	1246.586	VVA
3151_2021_WY	42°58'31.64906"	-105°51'22.84606"	1625.643	VVA
3151A_2021_WY	42°59'59.73779"	-105°50'44.70258"	1651.074	VVA
3152_2021_WY	44°01'41.65966"	-105°27'35.04405"	1405.630	VVA
3153_2021_WY	42°51'45.54197"	-105°58'46.44031"	1525.190	VVA
3154_2021_WY	44°20'49.30544"	-105°41'28.35952"	1376.472	VVA
3155_2021_WY	44°10'58.68613"	-105°35'54.34789"	1459.450	VVA
3156_2021_WY	44°55'55.74230"	-109°08'46.24862"	1263.281	VVA
3157_2021_WY	43°33'32.67754"	-107°17'08.03865"	2119.734	VVA
3158_2021_WY	44°14'39.42090"	-105°36'04.07666"	1413.921	VVA
3159_2021_WY	44°17'12.40117"	-105°50'01.55665"	1405.381	VVA
3160_2021_WY	43°57'52.81344"	-108°01'36.63859"	1249.711	VVA
3161_2021_WY	44°55'08.95609"	-105°10'14.95606"	1169.340	VVA
3162_2021_WY	42°29'23.65223"	-105°24'20.16046"	1643.057	VVA
3163_2021_WY	44°06'54.46449"	-105°56'11.43362"	1436.710	VVA
3164_2021_WY	44°10'43.78692"	-107°32'55.00065"	1403.038	VVA
3165_2021_WY	44°41'42.34819"	-109°12'28.81654"	1584.884	VVA
3166_2021_WY	44°03'11.43626"	-107°19'03.05896"	1894.368	VVA
3167_2021_WY	44°45'16.56810"	-108°55'17.03529"	1434.350	VVA
3168_2021_WY	44°28'02.61117"	-109°24'59.39636"	1703.896	VVA
3169_2021_WY	43°31'32.03099"	-105°26'51.07744"	1447.578	VVA
3170_2021_WY	43°20'27.76611"	-105°12'02.25327"	1376.162	VVA
3171_2021_WY	44°04'06.47097"	-107°22'08.68480"	1462.821	VVA
3172_2021_WY	44°12'53.21324"	-105°21'31.83001"	1385.683	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3173_2021_WY	44°14'10.79670"	-108°30'35.15894"	1491.316	VVA
3173A_2021_WY	44°12'16.21260"	-108°30'08.47073"	1425.856	VVA
3175_2021_WY	44°14'51.46323"	-107°58'10.56634"	1201.802	VVA
3176_2021_WY	44°54'52.20475"	-109°11'58.69260"	1320.694	VVA
3177_2021_WY	44°25'04.20714"	-108°21'50.31857"	1294.729	VVA
3178_2021_WY	43°53'20.51291"	-107°59'43.54912"	1294.023	VVA
3179_2021_WY	42°51'14.75943"	-105°09'35.58767"	1549.363	VVA
3180_2021_WY	44°33'35.53128"	-109°01'47.06567"	1522.641	VVA
3181_2021_WY	44°56'01.21244"	-109°05'17.49782"	1259.081	VVA
3182_2021_WY	42°49'30.84032"	-105°16'33.64815"	1558.343	VVA
3183_2021_WY	44°06'48.57465"	-108°00'33.55401"	1313.015	VVA
3184_2021_WY	43°16'01.94887"	-105°22'43.22427"	1419.877	VVA
3185_2021_WY	44°24'58.43601"	-108°16'55.24606"	1278.058	VVA
3186_2021_WY	44°00'08.66505"	-107°46'59.51629"	1345.170	VVA
3187_2021_WY	43°40'45.54418"	-105°45'35.78141"	1588.848	VVA
3188_2021_WY	44°30'27.20683"	-105°38'20.62436"	1250.692	VVA
3189_2021_WY	43°57'28.16484"	-105°22'58.02313"	1401.976	VVA
3190_2021_WY	44°18'28.69235"	-105°14'42.82658"	1317.864	VVA
3191_2021_WY	44°17'25.31568"	-105°21'15.75656"	1332.840	VVA
3192_2021_WY	44°00'25.36650"	-107°36'50.60436"	1387.690	VVA
3193_2021_WY	44°06'39.06731"	-107°30'27.19527"	1334.455	VVA
3194_2021_WY	44°19'36.55864"	-105°41'39.23713"	1401.610	VVA
3195_2021_WY	43°35'32.10303"	-105°23'12.61561"	1444.749	VVA
3196_2021_WY	43°34'38.86422"	-105°08'57.54799"	1519.790	VVA
3197_2021_WY	44°11'52.17155"	-105°38'31.05307"	1449.658	VVA
3198_2021_WY	44°27'26.37372"	-105°52'29.89748"	1230.416	VVA
3199_2021_WY	44°19'19.32093"	-105°41'38.03603"	1399.548	VVA
3200_2021_WY	44°42'37.52825"	-105°30'17.05623"	1150.027	VVA
3201_2021_WY	44°21'17.30794"	-105°46'07.90874"	1370.600	VVA
3202_2021_WY	44°27'10.79185"	-108°27'08.60846"	1351.753	VVA
3203_2021_WY	44°19'54.12521"	-105°40'55.65064"	1406.536	VVA
3204_2021_WY	44°58'07.10368"	-108°17'30.02989"	1137.395	VVA
3205_2021_WY	43°44'36.30127"	-107°12'14.79075"	2101.359	VVA
3206_2021_WY	44°28'05.86676"	-109°25'58.43674"	1703.554	VVA
3207_2021_WY	44°42'16.02811"	-108°45'34.59316"	1304.659	VVA
3208_2021_WY	43°49'57.15699"	-107°46'04.98558"	1453.015	VVA
3209_2021_WY	43°43'05.25394"	-105°57'49.33528"	1562.566	VVA
3210_2021_WY	43°54'23.23862"	-108°05'57.30264"	1273.061	VVA
3211_2021_WY	42°20'05.89077"	-105°28'09.12226"	2113.157	VVA
3212_2021_WY	44°23'41.95658"	-105°13'34.73332"	1233.146	VVA
3213_2021_WY	44°13'37.87884"	-105°52'04.83428"	1440.731	VVA
3214_2021_WY	44°45'53.52099"	-108°43'10.09642"	1308.199	VVA
3215_2021_WY	44°52'45.00486"	-108°41'30.20770"	1288.257	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3216_2021_WY	43°44'21.57322"	-105°05'46.34042"	1357.041	VVA
3217_2021_WY	44°16'23.61062"	-105°50'22.11636"	1427.729	VVA
3218_2021_WY	44°03'47.63662"	-107°42'43.12932"	1414.978	VVA
3219_2021_WY	42°44'37.81701"	-105°06'06.02568"	1476.355	VVA
3220_2021_WY	44°14'21.05806"	-105°47'11.84962"	1470.412	VVA
3222_2021_WY	44°10'52.92751"	-105°44'26.70688"	1508.681	VVA
3223_2021_WY	42°32'09.05585"	-105°44'49.49974"	2160.039	VVA
3224_2021_WY	42°41'31.48190"	-105°47'45.70376"	1969.022	VVA
3225_2021_WY	44°30'45.00484"	-107°44'20.40026"	1345.726	VVA
3226_2021_WY	44°20'23.17594"	-105°59'25.77583"	1400.188	VVA
3227_2021_WY	44°08'51.83010"	-107°53'16.52310"	1212.685	VVA
3228_2021_WY	44°05'14.72202"	-105°36'08.70440"	1416.330	VVA
3229_2021_WY	42°50'26.22254"	-105°51'24.32094"	1534.853	VVA
3230_2021_WY	43°15'16.10644"	-105°15'36.02930"	1418.811	VVA
3231_2021_WY	44°00'18.28856"	-108°27'16.65152"	1502.036	VVA
3232_2021_WY	43°02'26.79243"	-105°18'04.26752"	1491.146	VVA
3233_2021_WY	43°50'57.52605"	-105°41'19.29531"	1486.836	VVA
3234_2021_WY	42°39'36.42189"	-105°49'58.01883"	1959.591	VVA
3235_2021_WY	44°20'36.10497"	-105°41'59.04197"	1401.059	VVA
3236_2021_WY	44°43'58.17103"	-105°24'41.29396"	1115.379	VVA
3238_2021_WY	43°05'49.38664"	-105°51'24.93852"	1685.584	VVA
3239_2021_WY	44°20'15.96805"	-108°41'10.89206"	1510.330	VVA
3240_2021_WY	43°58'03.81940"	-107°34'11.76863"	1489.144	VVA
3241_2021_WY	44°16'38.80631"	-109°27'57.50629"	1935.345	VVA
3242_2021_WY	43°25'20.24027"	-105°23'41.81089"	1467.570	VVA
3243_2021_WY	44°01'51.89870"	-105°43'13.54578"	1496.882	VVA
3245_2021_WY	44°34'14.56915"	-109°03'05.69433"	1533.730	VVA
3246_2021_WY	43°55'16.32298"	-105°22'14.68490"	1437.668	VVA
3247_2021_WY	42°50'13.14859"	-105°48'40.56720"	1508.967	VVA
3248_2021_WY	44°30'22.24649"	-105°06'06.46789"	1223.281	VVA
3249_2021_WY	44°07'33.06950"	-109°38'06.93147"	1981.575	VVA
3250_2021_WY	43°19'13.94746"	-105°12'12.50513"	1389.056	VVA
3251_2021_WY	44°58'50.62525"	-105°12'00.84366"	1144.993	VVA
3253_2021_WY	42°46'10.12239"	-104°55'40.42328"	1512.869	VVA
3254_2021_WY	44°54'17.94756"	-108°33'34.79660"	1229.333	VVA
3255_2021_WY	43°55'15.47270"	-105°23'57.84970"	1423.762	VVA
3256_2021_WY	44°44'13.53000"	-105°58'27.82170"	1220.591	VVA
3257_2021_WY	43°43'35.16470"	-105°59'47.09122"	1517.111	VVA
3258_2021_WY	42°40'52.16877"	-105°05'25.35016"	1470.585	VVA
3259_2021_WY	43°59'58.95722"	-107°54'12.95121"	1278.253	VVA
3260_2021_WY	44°40'49.26668"	-108°34'46.78325"	1279.109	VVA

2.3. Ground Control-Worldwide/UTM Coordinate System

- Horizontal Datum: NAD 1983 (Conus) 2011
- Horizontal Projection: 13N
- Vertical Datum: NAVD88
- Geoid Model: Geoid18 (Conus)
- Units: Meters

Table 2.3 Ground Control -Worldwide UTM

Point Number	UTM 13N Northing (M)	UTM 13N Easting (M)	Orthometric Height (M)	Description
1001_2021_WY	4730049.890	458874.752	1646.706	LCP
1002_2021_WY	4723950.213	488496.836	1451.730	LCP
1003_2021_WY	4731768.864	497557.565	1533.516	LCP
1004_2021_WY	4716708.950	442588.236	1846.025	LCP
1005_2021_WY	4728264.797	451888.464	1728.924	LCP
1006_2021_WY	4699437.690	471040.004	1921.265	LCP
1007_2021_WY	4722835.192	476478.062	1446.555	LCP
1008_2021_WY	4750598.471	432093.447	1623.964	LCP
1009_2021_WY	4731245.655	434741.925	1934.493	LCP
1010_2021_WY	4745762.076	426770.579	1537.432	LCP
1011_2021_WY	4733638.767	446887.184	1690.504	LCP
1012_2021_WY	4744147.849	418479.888	1542.913	LCP
1013_2021_WY	4745828.959	414627.896	1544.626	LCP
1014_2021_WY	4728713.749	508083.824	1549.711	LCP
1015_2021_WY	4734387.315	505042.204	1524.321	LCP
1016_2021_WY	4722712.421	483926.245	1450.936	LCP
1017_2021_WY	4814026.413	425212.640	1662.409	LCP
1018_2021_WY	4745208.438	422300.122	1541.610	LCP
1019_2021_WY	4766679.714	430601.650	1747.262	LCP
1020_2021_WY	4780233.641	503968.826	1371.790	LCP
1021_2021_WY	4771896.896	424156.453	1798.078	LCP
1022_2021_WY	4797611.864	445740.204	1543.990	LCP
1023_2021_WY	4792259.683	474667.384	1441.194	LCP
1024_2021_WY	4822749.169	462893.121	1504.678	LCP
1025_2021_WY	4837114.766	421758.766	1444.564	LCP
1026_2021_WY	4832885.015	446644.083	1579.852	LCP
1026A_2021_WY	4833141.293	447308.635	1593.433	LCP
1027_2021_WY	4796349.925	485578.553	1415.279	LCP
1028_2021_WY	4814477.854	464027.178	1453.091	LCP
1029_2021_WY	4794253.873	497697.384	1455.794	LCP
1030_2021_WY	4802188.561	468710.009	1489.400	LCP
1031_2021_WY	4765332.522	478298.246	1469.566	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1033_2021_WY	4846168.014	52304.710	2136.437	LCP
1035_2021_WY	4862052.629	23017.072	2113.452	LCP
1036_2021_WY	4811145.245	58358.318	2049.738	LCP
1037_2021_WY	4841582.147	64247.868	2225.703	LCP
1038_2021_WY	4861831.116	56283.284	2126.400	LCP
1039_2021_WY	4839652.292	68613.165	2264.193	LCP
1041_2021_WY	4878123.008	19966.626	2415.405	LCP
1043_2021_WY	4833518.122	19893.158	2442.875	LCP
1044_2021_WY	4858536.709	91123.275	2811.040	LCP
1045_2021_WY	4838857.497	75724.298	2433.407	LCP
1046_2021_WY	4860462.853	71102.716	2462.555	LCP
1047_2021_WY	4864652.189	82747.723	2641.943	LCP
1048_2021_WY	4860837.374	86535.056	2684.898	LCP
1049_2021_WY	4817164.644	84342.744	2647.361	LCP
1050_2021_WY	4825001.806	296795.773	1794.045	LCP
1051_2021_WY	4836012.115	308629.586	1523.121	LCP
1052_2021_WY	4849175.621	314799.799	1518.021	LCP
1053_2021_WY	4867395.105	314045.747	1450.158	LCP
1054_2021_WY	4905655.376	297515.877	1460.238	LCP
1055_2021_WY	4877660.670	302098.925	1345.740	LCP
1056_2021_WY	4892186.580	324405.802	2678.414	LCP
1057_2021_WY	4847574.069	319763.463	1955.764	LCP
1058_2021_WY	4818509.914	327855.794	2472.096	LCP
1059_2021_WY	4827089.568	327002.379	2213.430	LCP
1060_2021_WY	4902449.470	276670.583	1240.759	LCP
1061_2021_WY	4873448.797	424985.468	1495.189	LCP
1062_2021_WY	4875558.018	420606.174	1471.272	LCP
1063_2021_WY	4861525.123	431494.213	1501.626	LCP
1064_2021_WY	4853162.744	430455.233	1583.857	LCP
1065_2021_WY	4828630.478	434908.075	1649.857	LCP
1066_2021_WY	4903957.284	477543.324	1331.449	LCP
1067_2021_WY	4894544.889	463878.803	1444.078	LCP
1067A_2021_WY	4893322.760	462991.591	1463.612	LCP
1068_2021_WY	4882060.861	462942.980	1381.299	LCP
1069_2021_WY	4878441.413	437171.060	1515.398	LCP
1070_2021_WY	4865110.080	464179.926	1415.423	LCP
1071_2021_WY	4845708.871	489022.398	1378.117	LCP
1071A_2021_WY	4841107.829	488468.729	1412.585	LCP
1072_2021_WY	4840038.654	475074.748	1436.470	LCP
1073_2021_WY	4831406.990	482143.217	1434.491	LCP
1073A_2021_WY	4831012.707	478492.188	1477.280	LCP
1074_2021_WY	4908177.798	473874.162	1383.912	LCP
1075_2021_WY	4901265.858	488505.913	1318.947	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1076_2021_WY	4918203.058	258174.240	1177.542	LCP
1077_2021_WY	4860669.183	269479.551	1348.561	LCP
1078_2021_WY	4867713.581	262658.501	1297.755	LCP
1079_2021_WY	4964254.654	223451.176	1248.104	LCP
1080_2021_WY	4920403.897	154485.514	1790.343	LCP
1081_2021_WY	4890300.542	244259.728	1320.575	LCP
1082_2021_WY	4887706.651	247673.150	1315.798	LCP
1083_2021_WY	4908487.421	173023.048	2200.572	LCP
1084_2021_WY	4874900.172	259314.223	1252.358	LCP
1085_2021_WY	4890377.428	171687.883	1991.835	LCP
1086_2021_WY	4888892.991	167747.457	2105.189	LCP
1087A_2021_WY	4873542.986	161750.001	2497.819	LCP
1088_2021_WY	4924393.360	222694.140	1373.153	LCP
1089_2021_WY	4914687.461	185822.550	1721.415	LCP
1090_2021_WY	4900670.663	131378.164	1942.377	LCP
1091_2021_WY	4916792.109	148130.484	1840.960	LCP
1092_2021_WY	4892380.932	234095.093	1372.132	LCP
1093_2021_WY	4890495.216	180628.867	1908.952	LCP
1094_2021_WY	4903396.862	290865.086	1376.019	LCP
1095_2021_WY	4913206.450	144423.060	1963.451	LCP
1096_2021_WY	4893847.578	193559.247	1889.858	LCP
1097_2021_WY	4936332.676	163151.549	1653.337	LCP
1098_2021_WY	4912524.081	200734.827	1609.564	LCP
1099_2021_WY	4900544.548	220164.816	1439.054	LCP
1100_2021_WY	4892320.613	328931.827	2841.825	LCP
1101_2021_WY	4943210.785	299931.574	2560.256	LCP
1102_2021_WY	4939949.870	287072.635	1437.153	LCP
1103_2021_WY	4983659.197	272530.228	2721.996	LCP
1104_2021_WY	4942614.389	275252.753	1359.401	LCP
1105_2021_WY	4900363.524	284674.469	1305.764	LCP
1106_2021_WY	4924055.604	249327.942	1211.065	LCP
1107_2021_WY	4955961.158	249283.147	1143.583	LCP
1108_2021_WY	4922170.181	242372.524	1249.336	LCP
1109_2021_WY	4986672.211	242879.820	1213.654	LCP
1110_2021_WY	4930870.071	304320.331	2895.742	LCP
1111_2021_WY	4969998.503	235052.033	1169.493	LCP
1112_2021_WY	4935528.117	301438.295	2341.183	LCP
1113_2021_WY	4920362.284	227267.729	1340.429	LCP
1114_2021_WY	4963196.305	139593.835	2073.980	LCP
1115_2021_WY	4969929.382	148459.199	2011.830	LCP
1116_2021_WY	4969690.771	208148.716	1361.106	LCP
1117_2021_WY	4962508.745	201450.211	1344.694	LCP
1118_2021_WY	4932122.609	198572.373	1574.237	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1119_2021_WY	4911686.624	308325.103	2660.730	LCP
1120_2021_WY	4928261.376	164988.943	1689.914	LCP
1121_2021_WY	4943940.925	182749.497	1509.912	LCP
1122_2021_WY	4987820.202	146332.466	3110.373	LCP
1123_2021_WY	4930991.708	207402.303	1494.529	LCP
1124_2021_WY	4992788.199	117696.653	2247.314	LCP
1125_2021_WY	4986042.883	132450.568	2427.954	LCP
1126A_2021_WY	4987829.087	123102.373	2108.164	LCP
1127_2021_WY	4933528.724	124385.810	1868.927	LCP
1128_2021_WY	4933584.838	116925.861	1936.910	LCP
1129_2021_WY	4989201.531	149928.499	3277.357	LCP
1130_2021_WY	4985080.310	128226.884	2106.027	LCP
1131_2021_WY	4933212.108	146697.710	1721.139	LCP
1132_2021_WY	4953772.791	213669.888	1307.236	LCP
1133_2021_WY	4987084.133	180860.793	1265.764	LCP
1134_2021_WY	4939333.894	179606.960	1510.207	LCP
1135_2021_WY	4909487.844	139432.541	1872.614	LCP
1136_2021_WY	4947976.685	166140.071	2011.272	LCP
1137_2021_WY	4908428.459	493318.263	1313.016	LCP
1138_2021_WY	4952031.996	429613.959	1200.966	LCP
1139_2021_WY	4939988.430	443260.589	1274.306	LCP
1140_2021_WY	4948975.967	420592.927	1195.954	LCP
1141_2021_WY	4908732.497	441808.594	1441.023	LCP
1142_2021_WY	4910358.525	458228.504	1322.249	LCP
1143_2021_WY	4925505.962	452243.740	1294.523	LCP
1144_2021_WY	4950402.748	438728.610	1264.454	LCP
1145_2021_WY	4963108.319	484352.859	1209.657	LCP
1146_2021_WY	4957468.450	469449.395	1092.697	LCP
1147_2021_WY	4947805.102	492597.668	1229.862	LCP
1148_2021_WY	4950881.949	434248.066	1221.888	LCP
1149_2021_WY	4948792.843	486675.285	1276.136	LCP
1150_2021_WY	4943908.236	475185.077	1127.262	LCP
1151_2021_WY	4938549.120	107510.023	2022.737	LCP
1152_2021_WY	4932868.150	447761.902	1256.090	LCP
1153_2021_WY	4930110.683	464833.653	1217.323	LCP
1153A_2021_WY	4918870.094	463743.596	1270.152	LCP
1154_2021_WY	4967878.607	470598.998	1074.175	LCP
1155_2021_WY	4974778.047	170054.750	1290.117	LCP
1156_2021_WY	4987895.130	169116.704	1409.359	LCP
1157_2021_WY	4943565.705	177477.576	1561.968	LCP
1158_2021_WY	4949381.908	240851.714	1348.601	LCP
1161_2021_WY	4898339.154	130103.620	1954.151	LCP
1162_2021_WY	4903131.714	134055.508	1915.475	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1163_2021_WY	4905127.866	136008.210	1902.067	LCP
1164_2021_WY	4917700.930	149399.069	1803.090	LCP
1165_2021_WY	4918841.625	151133.363	1791.358	LCP
1166_2021_WY	4915606.771	204663.554	1560.777	LCP
1167_2021_WY	4936984.840	98043.528	2258.035	LCP
1168_2021_WY	4933685.608	132856.247	1807.175	LCP
1169_2021_WY	4932977.489	139958.380	1769.016	LCP
1170_2021_WY	4934779.420	189560.342	1609.455	LCP
1171_2021_WY	4970980.850	228378.455	1188.625	LCP
1172_2021_WY	4881930.265	309634.767	1456.173	LCP
1173_2021_WY	4865175.500	252465.928	1264.554	LCP
1174_2021_WY	4931115.443	261212.527	1217.935	LCP
1175_2021_WY	4933879.808	266264.546	1215.563	LCP
1176_2021_WY	4940385.881	290112.946	1777.158	LCP
1177_2021_WY	4939488.855	294769.174	2061.850	LCP
1178_2021_WY	4912738.127	309589.044	2522.007	LCP
1178A_2021_WY	4908757.900	315600.991	2796.374	LCP
1178B_2021_WY	4908766.429	315579.444	2795.491	LCP
1179_2021_WY	4904021.146	317952.234	2757.232	LCP
1180_2021_WY	4894251.300	321235.954	2545.403	LCP
1181_2021_WY	4910189.949	461158.498	1351.832	LCP
1182_2021_WY	4899292.586	447675.906	1457.375	LCP
1183_2021_WY	4902802.736	483681.117	1305.935	LCP
1184_2021_WY	4772203.558	421507.828	1849.826	LCP
1185_2021_WY	4803848.464	456042.943	1483.304	LCP
1186_2021_WY	4793071.554	490456.795	1464.659	LCP
1187_2021_WY	4766299.734	509480.476	1462.648	LCP
1188_2021_WY	4743234.432	439394.670	1506.179	LCP
1189_2021_WY	4734887.928	462687.444	1510.317	LCP
1190_2021_WY	4729577.799	467550.246	1468.658	LCP
1191_2021_WY	4936742.412	110162.519	1995.417	LCP
1192_2021_WY	4929662.528	180440.735	1609.190	LCP
1193_2021_WY	4961768.219	154031.906	2318.824	LCP
1194_2021_WY	4961661.004	238125.512	1267.532	LCP
1195_2021_WY	4877106.886	239813.024	1402.394	LCP
1196_2021_WY	4907003.782	257915.417	1230.999	LCP
1197_2021_WY	4835876.731	459457.931	1539.734	LCP
1198_2021_WY	4758001.689	451816.247	1584.030	LCP
1204_2021_WY	4865430.863	74929.913	2358.865	LCP
1205_2021_WY	4864685.079	76616.027	2400.804	LCP
1206_2021_WY	4937895.227	100972.667	2148.012	LCP
1207_2021_WY	4939204.650	104229.984	2081.827	LCP
1208_2021_WY	4996927.589	111040.965	2303.935	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1209_2021_WY	4845371.440	282727.705	1455.281	LCP
1210_2021_WY	4849320.974	276233.461	1442.206	LCP
1211_2021_WY	4847749.524	279630.029	1381.837	LCP
1212_2021_WY	4853234.916	272863.100	1351.800	LCP
1213_2021_WY	4878439.579	286023.532	1423.030	LCP
1214_2021_WY	4843659.516	290346.942	1520.581	LCP
1215_2021_WY	4843199.243	293005.907	1570.624	LCP
1216_2021_WY	4769841.147	437423.816	1810.117	LCP
1217_2021_WY	4730027.421	455952.037	1720.343	LCP
1218_2021_WY	4728995.737	494602.181	1486.708	LCP
1219_2021_WY	4807270.756	46615.767	1902.589	LCP
1220_2021_WY	4807740.620	51457.241	1950.081	LCP
1221_2021_WY	4853817.551	94668.526	2752.842	LCP
1222_2021_WY	4851559.999	99613.237	2548.989	LCP
1223_2021_WY	4843510.007	103829.750	2352.580	LCP
1224_2021_WY	4842047.554	108376.498	2311.602	LCP
1225_2021_WY	4839295.164	112856.784	2254.180	LCP
1226_2021_WY	4835901.438	117255.620	2197.705	LCP
1227_2021_WY	4833041.707	121609.865	2145.321	LCP
2001_2021_WY	4857915.022	270127.061	1405.648	NVA
2002_2021_WY	4867371.334	252967.967	1278.141	NVA
2003_2021_WY	4862787.977	247594.064	1297.334	NVA
2004_2021_WY	4866541.646	256116.802	1272.469	NVA
2005_2021_WY	4845298.063	305924.969	1555.504	NVA
2006_2021_WY	4857791.106	310453.990	1426.435	NVA
2007_2021_WY	4866587.379	303849.285	1423.306	NVA
2008_2021_WY	4824464.743	313369.192	2181.683	NVA
2008A_2021_WY	4824776.801	310301.963	2048.405	NVA
2009_2021_WY	4824752.743	309938.165	2061.885	NVA
2010_2021_WY	4845055.973	325137.572	2172.397	NVA
2011_2021_WY	4937438.960	177780.043	1551.334	HOR/NVA
2012_2021_WY	4842478.374	305361.806	1607.866	NVA
2013_2021_WY	4862434.425	309063.300	1421.164	NVA
2014_2021_WY	4857593.916	310521.766	1426.379	NVA
2015_2021_WY	4854543.006	281915.993	1509.895	NVA
2016_2021_WY	4839594.180	302030.563	1623.736	NVA
2017_2021_WY	4828355.588	327272.631	2360.297	NVA
2018_2021_WY	4860975.063	314907.301	1482.984	NVA
2019_H_2021_WY	4877041.393	262570.109	1239.341	NVA
2020_2021_WY	4845326.071	286521.166	1432.337	NVA
2021_2021_WY	4894169.766	269049.945	1218.966	NVA
2022_2021_WY	4885774.738	239618.120	1356.673	NVA
2023_H_2021_WY	4869464.056	259358.859	1270.898	HOR/NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2024_H_2021_WY	4904310.424	262099.639	1216.934	HOR/NVA
2025_2021_WY	4886894.698	262238.976	1281.840	NVA
2026_2021_WY	4891816.175	263715.752	1250.085	NVA
2027_2021_WY	4873957.070	258125.899	1266.771	NVA
2028_2021_WY	4887402.435	266226.157	1217.944	NVA
2029_H_2021_WY	4917098.974	257610.346	1198.508	HOR/NVA
2030_2021_WY	4878869.052	228839.142	1491.124	NVA
2031_H_2021_WY	4888627.959	267240.513	1219.381	NVA
2032_2021_WY	4886173.297	267208.408	1228.277	NVA
2033_2021_WY	4870984.090	262832.615	1290.476	NVA
2034_H_2021_WY	4897152.473	265138.419	1220.860	HOR/NVA
2035_2021_WY	4875227.432	261987.301	1242.971	NVA
2036_H_2021_WY	4878694.701	223180.335	1525.006	HOR/NVA
2037_2021_WY	4880127.503	267068.132	1252.631	NVA
2038_2021_WY	4873840.985	230319.050	1552.001	NVA
2039_H_2021_WY	4878082.704	236478.690	1433.027	HOR/NVA
2040_2021_WY	4877081.061	242740.892	1383.404	NVA
2041_H_2021_WY	4878273.582	263771.690	1239.560	NVA
2042_2021_WY	4881598.388	242864.021	1416.426	NVA
2043_2021_WY	4899641.507	267797.800	1208.708	NVA
2044_2021_WY	4897857.090	294727.469	1425.188	NVA
2045_2021_WY	4883428.404	314641.166	1626.713	NVA
2046_2021_WY	4877468.972	282526.325	1465.896	NVA
2047_2021_WY	4877859.254	281224.916	1429.421	NVA
2048_2021_WY	4889349.676	298095.615	1341.537	NVA
2049_2021_WY	4877650.564	293383.703	1464.224	NVA
2050_2021_WY	4885183.277	316712.694	1836.850	NVA
2051_2021_WY	4878142.726	289722.492	1387.064	NVA
2052_2021_WY	4882593.882	304872.525	1478.137	NVA
2053_2021_WY	4901034.114	278593.591	1270.027	NVA
2054_2021_WY	4889693.428	320329.364	2278.918	NVA
2055_2021_WY	4880394.390	281573.060	1433.026	NVA
2055A_2021_WY	4880153.714	281423.356	1438.292	NVA
2056_2021_WY	4874977.768	292354.422	1456.998	NVA
2057_2021_WY	4944879.510	184783.689	1463.221	NVA
2058_2021_WY	4937350.520	175409.534	1536.997	HOR/NVA
2059_2021_WY	4940868.491	175852.704	1571.008	NVA
2060_2021_WY	4927872.446	171341.655	1694.375	NVA
2061_2021_WY	4933937.139	174004.806	1592.053	NVA
2062_2021_WY	4917832.406	207310.300	1539.170	NVA
2063_2021_WY	4928463.675	190143.835	1574.608	NVA
2064_2021_WY	4961730.342	202908.950	1338.631	HOR/NVA
2065_2021_WY	4938193.717	181839.331	1560.462	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2066_2021_WY	4930018.601	170245.498	1688.947	NVA
2067_2021_WY	4935616.121	183414.555	1529.173	NVA
2068_2021_WY	4944796.448	173415.918	1625.553	NVA
2069_2021_WY	4926787.001	161546.426	1715.773	NVA
2070_2021_WY	4939787.551	182512.108	1492.384	HOR/NVA
2071_2021_WY	4949000.604	213906.694	1320.313	NVA
2072_2021_WY	4932054.321	170900.249	1646.924	NVA
2073_2021_WY	4938190.133	184118.470	1533.243	NVA
2074_2021_WY	4931387.843	167691.273	1648.483	NVA
2075H_2021_WY	4935445.968	187744.869	1578.191	NVA
2076_2021_WY	4918992.068	188396.361	1736.994	NVA
2077H_2021_WY	4936631.543	180823.401	1559.228	NVA
2078_2021_WY	4941609.581	177360.244	1560.646	NVA
2079_2021_WY	4929681.232	165676.251	1668.480	HOR/NVA
2080_2021_WY	4952413.340	239472.413	1301.882	NVA
2081_2021_WY	4957021.865	244559.107	1271.347	NVA
2082_2021_WY	4925408.267	231996.955	1315.951	NVA
2083_2021_WY	4934904.891	279090.585	1291.954	NVA
2084_2021_WY	4947051.326	272570.515	1463.179	NVA
2085_2021_WY	4933012.489	245328.560	1254.736	NVA
2086_2021_WY	4922586.120	248110.321	1221.195	NVA
2087_2021_WY	4934829.273	274404.008	1266.581	NVA
2088_2021_WY	4954934.238	251024.544	1148.895	NVA
2089_2021_WY	4926926.108	256940.020	1178.835	NVA
2090_2021_WY	4922044.592	235304.000	1287.662	NVA
2091_2021_WY	4933233.551	257810.078	1155.289	NVA
2092_2021_WY	4931060.477	262724.446	1209.406	NVA
2093_2021_WY	4922353.887	245911.964	1224.949	NVA
2094_2021_WY	4924372.874	257315.259	1181.884	NVA
2095_2021_WY	4931755.313	237394.388	1316.055	NVA
2096_2021_WY	4927399.139	224200.805	1364.648	NVA
2097_2021_WY	4919519.279	228681.988	1335.746	NVA
2098_2021_WY	4923892.021	230076.931	1321.798	NVA
2099_2021_WY	4928504.745	225335.236	1365.237	NVA
2100_2021_WY	4927094.980	253518.518	1185.263	NVA
2101_2021_WY	4988958.190	180117.729	1266.653	NVA
2102_2021_WY	4968258.846	149843.578	1945.885	NVA
2103_2021_WY	4989904.180	163703.058	1709.126	NVA
2104_2021_WY	4962068.180	203977.211	1332.404	HOR/NVA
2105_2021_WY	4957816.545	187669.181	1447.107	NVA
2106_2021_WY	4961802.652	208823.167	1322.614	NVA
2107_2021_WY	4967392.111	200987.054	1344.709	NVA
2108_2021_WY	4961961.214	158668.500	1962.960	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2109_2021_WY	4959182.559	203633.522	1328.072	NVA
2110_2021_WY	4961771.720	181913.854	1563.112	NVA
2111_2021_WY	4965015.292	204121.858	1325.297	NVA
2112_2021_WY	4980141.909	173348.963	1283.010	NVA
2113_2021_WY	4963276.197	203294.848	1333.182	NVA
2114_2021_WY	4964159.124	142991.200	2058.906	NVA
2115_2021_WY	4960977.530	156047.408	2222.843	NVA
2116_2021_WY	4964325.100	197366.803	1381.279	NVA
2117_2021_WY	4959907.039	214036.001	1257.406	NVA
2118_2021_WY	4960929.197	199158.639	1360.796	NVA
2119_2021_WY	4963710.151	205679.195	1321.264	NVA
2120_2021_WY	4983914.756	177291.852	1271.387	NVA
2121_2021_WY	4981594.639	212236.107	1287.666	NVA
2122_2021_WY	4964477.922	208932.827	1305.371	NVA
2123_2021_WY	4964890.432	200902.147	1343.809	NVA
2124_2021_WY	4965498.489	150243.635	1871.961	NVA
2125H_2021_WY	4976081.542	180948.050	1322.065	NVA
2126_2021_WY	4960976.307	213628.316	1275.707	NVA
2127_2021_WY	4971378.876	184481.629	1342.307	NVA
2128H_2021_WY	4985899.374	214423.896	1285.081	NVA
2129_2021_WY	4958048.757	201586.992	1336.753	NVA
2130H_2021_WY	4984183.658	214337.033	1280.941	NVA
2131_2021_WY	4965212.885	210395.266	1298.848	NVA
2132_2021_WY	4959849.597	191814.362	1415.678	NVA
2133_2021_WY	4970641.235	239399.852	1162.539	HOR/NVA
2134_2021_WY	4973107.093	235432.353	1169.682	NVA
2135_2021_WY	4967319.198	252473.606	1189.551	HOR/NVA
2136_2021_WY	4971585.614	241628.814	1149.328	NVA
2137_2021_WY	4985386.790	235934.563	1225.984	NVA
2138_H_2021_WY	4967540.236	230031.072	1200.089	NVA
2139_H_2021_WY	4968184.718	233302.453	1187.683	NVA
2140_2021_WY	4971734.492	238396.010	1147.505	NVA
2141_H_2021_WY	4970529.355	230214.995	1174.874	NVA
2142_2021_WY	4965346.772	266268.899	2455.749	NVA
2142A_2021_WY	4964327.743	255902.000	1306.917	NVA
2143_2021_WY	4963181.622	220377.923	1244.640	NVA
2144_2021_WY	4975879.709	228349.219	1202.435	NVA
2145_2021_WY	4967524.587	224583.440	1216.557	NVA
2146_H_2021_WY	4966282.753	222808.828	1227.255	NVA
2147_2021_WY	4982987.968	240086.826	1155.284	HOR/NVA
2148_2021_WY	4789891.442	476692.208	1449.483	NVA
2149_2021_WY	4767716.976	449949.503	1686.060	HOR/NVA
2150_2021_WY	4873149.143	318332.367	1753.246	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2153_H_2021_WY	4746862.745	477628.515	1633.150	HOR/NVA
2154_2021_WY	4909559.272	190348.822	1766.286	NVA
2155_2021_WY	4749113.483	431061.151	1622.085	NVA
2156_2021_WY	4906844.956	481188.093	1340.531	NVA
2157_H_2021_WY	4741837.336	434816.607	1532.687	HOR/NVA
2157A_H_2021_WY	4741834.844	434813.914	1532.555	HOR/NVA
2158_2021_WY	4814355.926	475509.941	1378.001	NVA
2160_2021_WY	4865521.581	20469.301	2427.952	NVA
2160A_2021_WY	4880895.814	18491.824	2298.518	NVA
2160B_2021_WY	4880788.214	18528.516	2302.094	NVA
2161_2021_WY	4918497.390	295986.880	2043.046	NVA
2162_2021_WY	4771136.308	496379.556	1370.809	NVA
2163_2021_WY	4921753.772	284575.379	1693.743	NVA
2164_2021_WY	4745973.913	494103.355	1561.010	NVA
2165_2021_WY	4759615.599	449969.974	1581.566	NVA
2167_2021_WY	4735151.042	418825.820	1626.052	NVA
2167A_2021_WY	4736464.144	420758.782	1623.962	NVA
2168_2021_WY	4807995.488	432358.704	1573.050	NVA
2169_2021_WY	4863545.425	259579.454	1318.867	NVA
2171_2021_WY	4905395.387	177456.668	2014.728	NVA
2173_H_2021_WY	4752751.545	438070.866	1635.187	NVA
2174_2021_WY	4889179.417	198512.979	1774.046	NVA
2175_2021_WY	4843192.943	59849.036	2145.925	NVA
2175A_2021_WY	4844424.981	57811.227	2193.252	NVA
2176_H_2021_WY	4738620.650	464271.675	1477.308	HOR/NVA
2177_2021_WY	4901439.330	475088.167	1400.590	NVA
2178_2021_WY	4879105.878	305258.098	1362.405	NVA
2179_2021_WY	4921308.308	296805.286	2195.190	NVA
2180_H_2021_WY	4745643.679	430150.339	1529.964	HOR/NVA
2181_H_2021_WY	4729453.652	475609.236	1557.324	HOR/NVA
2182_2021_WY	4844165.835	459154.791	1499.627	HOR/NVA
2183_2021_WY	4725434.670	497788.064	1462.260	NVA
2184_2021_WY	4793969.665	478899.169	1415.841	NVA
2184A_2021_WY	4796407.128	483498.618	1404.919	DIRT
2186_2021_WY	4841254.756	470803.434	1448.278	NVA
2187_2021_WY	4918464.251	261540.102	1275.070	NVA
2188_H_2021_WY	4730635.998	473789.458	1553.978	HOR/NVA
2190_H_2021_WY	4725040.390	467426.552	1460.543	HOR/NVA
2191_H_2021_WY	4733851.094	467471.552	1464.571	HOR/NVA
2192_2021_WY	4834376.284	462194.026	1515.903	HOR/NVA
2193_2021_WY	4832734.945	471578.632	1483.785	NVA
2194_2021_WY	4794053.437	472943.350	1415.984	NVA
2195_2021_WY	4931708.787	203023.708	1531.094	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2196_2021_WY	4904883.266	296054.610	1429.400	NVA
2197_2021_WY	4844966.223	460569.145	1505.388	HOR/NVA
2198_2021_WY	4944712.995	490939.542	1243.466	NVA
2200_H_2021_WY	4738781.374	471621.173	1509.427	HOR/NVA
2201_2021_WY	4749676.288	446689.522	1571.015	NVA
2201A_2021_WY	4754317.654	447855.053	1628.769	NVA
2202_H_2021_WY	4800968.810	468913.596	1494.551	NVA
2203_2021_WY	4931374.065	205499.989	1510.056	NVA
2204_2021_WY	4863229.834	470200.341	1452.744	HOR/NVA
2205_2021_WY	4700641.826	463230.483	1736.036	NVA
2206_2021_WY	4863268.475	67810.368	2402.747	NVA
2208_2021_WY	4694975.912	467047.603	1977.169	NVA
2209_2021_WY	4718708.018	467384.025	1552.191	NVA
2210_2021_WY	4895960.056	191436.809	1788.302	NVA
2211_2021_WY	4927199.085	271797.880	1258.309	NVA
2212_2021_WY	4826267.911	432911.175	1638.286	HOR/NVA
2213_2021_WY	4786822.301	497072.096	1425.188	NVA
2214_H_2021_WY	4735259.827	468870.639	1468.878	HOR/NVA
2215_2021_WY	4736777.823	457830.379	1543.839	NVA
2216_2021_WY	4731736.262	464664.244	1519.343	NVA
2217_2021_WY	4891569.204	286655.029	1337.681	NVA
2218_2021_WY	4804632.011	467697.576	1545.339	NVA
2219_2021_WY	4737529.746	457834.863	1538.804	NVA
2222_2021_WY	4747081.090	494491.830	1547.692	NVA
2223_2021_WY	4745273.649	445324.008	1503.205	NVA
2224_2021_WY	4866468.029	72127.057	2352.187	NVA
2225_2021_WY	4841237.451	463724.974	1502.457	HOR/NVA
2226_2021_WY	4873374.198	317875.843	1737.512	NVA
2227_2021_WY	4904709.871	219495.424	1515.845	NVA
2227A_2021_WY	4898257.680	228801.165	1390.175	NVA
2228_2021_WY	4930725.476	147724.224	1881.637	NVA
2229_H_2021_WY	4736634.876	468714.714	1493.524	HOR/NVA
2230_2021_WY	4920713.438	289780.543	1857.151	NVA
2231A_2021_WY	4901026.654	188915.906	1765.033	NVA
2232_2021_WY	4852187.469	50129.596	2182.574	NVA
2233_2021_WY	4732925.003	473607.384	1536.186	NVA
2234_2021_WY	4871121.681	326617.977	2309.428	NVA
2235_2021_WY	4721162.466	457910.251	1606.835	NVA
2236_2021_WY	4912944.377	183671.280	1816.088	NVA
2239_2021_WY	4698280.474	469562.519	1897.874	NVA
2240_2021_WY	4807147.744	495416.460	1332.627	NVA
2241_2021_WY	4732509.186	491301.524	1483.298	NVA
2242_H_2021_WY	4784896.010	443121.199	1568.531	HOR/NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2243_2021_WY	4846510.519	461721.628	1529.143	NVA
2244_2021_WY	4742916.497	430050.692	1565.072	NVA
2245_2021_WY	4791867.492	500349.059	1481.006	NVA
2246_2021_WY	4912914.025	292444.639	1490.477	NVA
2247_2021_WY	4756760.143	449618.515	1575.521	HOR/NVA
2248_2021_WY	4841636.021	460758.444	1505.416	NVA
2248A_2021_WY	4841995.704	454410.068	1563.605	NVA
2249_2021_WY	4703045.449	418329.621	2392.589	NVA
2250_2021_WY	4709230.754	465835.961	1558.011	NVA
2251_2021_WY	4905657.687	298331.324	1483.518	NVA
2253_2021_WY	4862338.277	471407.135	1466.515	NVA
2254_2021_WY	4860154.349	265988.312	1310.401	NVA
2255_2021_WY	4890528.431	157201.025	2647.503	NVA
2256_2021_WY	4772106.091	450392.828	1663.997	NVA
2256A_2021_WY	4773078.543	441981.602	1712.747	NVA
2257_2021_WY	4719127.936	457842.947	1607.519	NVA
2258_2021_WY	4855741.800	462990.592	1449.521	NVA
2259_2021_WY	4890131.778	172614.615	1976.942	NVA
2260_2021_WY	4862707.757	76894.436	2583.591	NVA
2261_2021_WY	4802155.101	489970.089	1425.722	NVA
2262_2021_WY	4771961.773	461706.825	1646.841	NVA
2263_2021_WY	4755078.188	451181.369	1575.272	HOR/NVA
2264_2021_WY	4723039.321	429754.201	2009.987	NVA
2266_2021_WY	4725949.749	480663.614	1485.846	NVA
2266A_2021_WY	4723199.179	483042.262	1458.092	NVA
2267_2021_WY	4702734.301	463975.564	1677.839	NVA
2268_H_2021_WY	4872941.949	249299.716	1331.895	NVA
2269_2021_WY	4931367.378	424098.684	1189.747	NVA
2271_H_2021_WY	4738012.194	450942.215	1556.207	HOR/NVA
2272_H_2021_WY	4775713.390	478909.687	1450.234	HOR/NVA
2273_2021_WY	4831447.728	477120.981	1460.289	NVA
2274_2021_WY	4741412.111	476770.451	1564.591	NVA
2275_2021_WY	4777703.841	431674.204	1685.909	NVA
2276_2021_WY	4732313.855	492881.625	1496.640	NVA
2277_2021_WY	4859604.739	463649.326	1439.732	NVA
2278_2021_WY	4741842.162	473937.727	1535.076	NVA
2279_H_2021_WY	4733071.954	470225.118	1489.294	HOR/NVA
2280_2021_WY	4912413.612	143604.167	1944.589	NVA
2282_2021_WY	4724876.748	435772.536	2022.428	NVA
2284_2021_WY	4918153.630	463843.000	1279.097	HOR/NVA
2285_2021_WY	4740842.592	442268.525	1540.102	NVA
2286_2021_WY	4865413.074	78080.623	2474.584	NVA
2287_2021_WY	4794434.288	428536.663	1648.227	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2289A_2021_WY	4910248.703	189417.125	1728.810	NVA
2290_2021_WY	4723309.185	444270.159	1758.299	NVA
2291_2021_WY	4805080.521	470909.517	1494.639	NVA
2292_2021_WY	4899302.564	445606.295	1452.778	NVA
2293_2021_WY	4891191.966	443441.359	1502.011	NVA
2294_2021_WY	4895317.858	432312.447	1414.674	HOR/NVA
2295_2021_WY	4897028.193	454276.827	1448.137	NVA
2296_2021_WY	4959916.882	280203.062	2879.460	NVA
2297_2021_WY	4905732.358	461104.973	1393.311	HOR/NVA
2298_2021_WY	4898301.713	440850.955	1424.878	NVA
2299_2021_WY	4948290.994	442019.622	1262.852	HOR/NVA
2300_2021_WY	4958309.640	445677.298	1274.299	NVA
2301_2021_WY	4920287.734	454853.939	1282.404	NVA
2302_2021_WY	4875098.154	462807.189	1429.309	HOR/NVA
2303_2021_WY	4904515.405	456145.466	1411.490	HOR/NVA
2304_2021_WY	4894356.377	471217.053	1432.942	NVA
2305_2021_WY	4959499.052	436658.463	1258.520	NVA
2306_2021_WY	4981800.597	461726.607	1115.677	NVA
2307_H_2021_WY	4902769.653	459476.589	1391.615	HOR/NVA
2308_2021_WY	4903601.780	471269.415	1340.874	NVA
2309_2021_WY	4903841.596	473788.709	1337.677	HOR/NVA
2310_2021_WY	4904327.409	480392.928	1317.665	NVA
2311_2021_WY	4878739.702	444646.125	1505.658	NVA
2312_2021_WY	4891969.406	427839.922	1329.353	NVA
2313_2021_WY	4938346.239	453899.666	1195.925	NVA
2314_2021_WY	4948781.698	482562.506	1220.410	NVA
2315_2021_WY	4985802.848	127363.460	2157.586	NVA
2316_2021_WY	4955955.650	477045.602	1150.206	NVA
2317_2021_WY	4950590.925	470615.488	1115.999	NVA
2318_2021_WY	4952465.119	456638.924	1192.869	NVA
2319_2021_WY	4897729.766	429756.170	1471.321	NVA
2320_2021_WY	4902969.386	433114.844	1428.111	NVA
2321_2021_WY	4932261.173	472193.900	1179.366	NVA
2322_2021_WY	4908473.192	478980.490	1371.408	NVA
2323_2021_WY	4903890.107	474357.676	1337.611	HOR/NVA
2324_2021_WY	4978706.217	164080.510	1388.886	NVA
2325_2021_WY	4922313.936	482134.218	1214.981	NVA
2326_2021_WY	4919550.838	482037.803	1259.571	NVA
2326A_2021_WY	4929508.595	481459.711	1193.430	NVA
2327_2021_WY	4948927.219	483476.167	1246.282	NVA
2328_2021_WY	4883610.928	472305.144	1370.329	NVA
2329_2021_WY	4831163.949	442508.120	1602.843	VVA
2330_H_2021_WY	4904757.132	457658.923	1397.124	HOR/NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2331_2021_WY	4953158.302	470025.499	1102.554	HOR/NVA
2332_2021_WY	4990643.907	119430.599	2133.387	NVA
2333_2021_WY	4880571.456	441692.096	1506.772	NVA
2334_2021_WY	4881397.840	480913.981	1340.415	HOR/NVA
2335_2021_WY	4961892.268	446505.812	1238.199	NVA
2336_2021_WY	4970564.532	147769.315	2118.425	NVA
2337_2021_WY	4942881.637	483594.719	1230.481	NVA
2338_2021_WY	4886709.381	463844.860	1389.621	HOR/NVA
2339_2021_WY	4958519.705	132150.111	2154.853	NVA
2340_2021_WY	4920967.694	482057.939	1228.484	NVA
2341_2021_WY	4946960.037	422110.854	1224.247	NVA
2342_2021_WY	4960394.964	468794.310	1088.185	NVA
2343_2021_WY	4981982.976	170129.185	1302.954	NVA
2344_2021_WY	4950994.106	462342.384	1175.598	NVA
2345_2021_WY	4966326.781	429240.852	1147.232	NVA
2346_2021_WY	4950923.596	424712.891	1262.001	HOR/NVA
2347_2021_WY	4903414.772	458071.219	1411.310	NVA
2348_2021_WY	4872218.151	476386.483	1406.306	NVA
2349_2021_WY	4888831.523	464361.418	1407.798	NVA
2350_2021_WY	4962524.834	428584.557	1206.277	NVA
2351_2021_WY	4958126.090	192890.636	1389.135	NVA
2352_2021_WY	4936697.383	161417.861	1662.930	HOR/NVA
2353_2021_WY	4941815.578	444061.041	1246.660	NVA
2354_2021_WY	4890247.201	428901.024	1392.690	NVA
2355_2021_WY	4901390.922	457762.684	1395.558	NVA
2356_2021_WY	4897431.231	464125.086	1409.872	NVA
2357_2021_WY	4896519.828	463522.909	1419.411	HOR/NVA
2358_2021_WY	4944333.188	476679.581	1142.755	NVA
2359_2021_WY	4915390.269	482014.209	1248.418	HOR/NVA
2360_2021_WY	4904126.074	464508.110	1367.566	HOR/NVA
2361_2021_WY	4894149.676	473043.316	1398.635	NVA
2362_2021_WY	4854826.890	433113.546	1569.103	NVA
2363_2021_WY	4963506.677	445920.757	1232.870	NVA
2364_2021_WY	4933495.542	480320.121	1171.599	NVA
2365_2021_WY	4899624.899	461766.517	1387.578	HOR/NVA
2366_2021_WY	4896597.247	425037.609	1421.865	NVA
2367_2021_WY	4932514.609	468204.710	1196.579	NVA
2368_2021_WY	4933989.157	129278.127	1831.077	HOR/NVA
2369_2021_WY	4897019.476	440374.993	1452.257	NVA
2370_2021_WY	4955888.603	441312.577	1241.248	NVA
2371_2021_WY	4872582.635	447932.930	1507.053	NVA
2372_2021_WY	4929799.723	455706.049	1269.209	NVA
2373_2021_WY	4970648.255	236715.386	1157.364	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2374_2021_WY	4906481.955	479944.977	1334.313	NVA
2375_2021_WY	4976219.572	134501.933	1998.775	NVA
2376_2021_WY	4852503.596	437069.658	1548.677	NVA
2377_2021_WY	4945852.989	455685.524	1215.780	NVA
2378_2021_WY	4897080.246	452844.851	1459.369	NVA
2379_2021_WY	4978624.117	436197.633	1110.794	NVA
3002_2021_WY	4858689.345	310322.604	1420.319	VVA
3003_2021_WY	4930983.662	189071.554	1566.324	VVA
3004_2021_WY	4984268.267	129143.697	2085.103	VVA
3005_2021_WY	4870884.001	298224.832	1510.333	VVA
3006_2021_WY	4904589.480	455426.729	1416.181	VVA
3007_2021_WY	4980673.488	445012.609	1184.775	VVA
3008_2021_WY	4840489.165	76243.548	2653.710	VVA
3009_2021_WY	4900528.373	476034.464	1350.488	VVA
3010_2021_WY	4982080.709	167757.445	1354.617	VVA
3011_2021_WY	4849637.085	276059.549	1455.844	VVA
3012_2021_WY	4974873.001	201937.722	1536.218	VVA
3013_2021_WY	4835269.726	314469.862	1724.100	VVA
3014_2021_WY	4941044.724	252067.400	1158.877	VVA
3015_2021_WY	4898473.139	298212.064	1542.080	VVA
3016_2021_WY	4841060.366	316517.652	1605.625	VVA
3017_2021_WY	4925124.052	158236.383	1694.975	VVA
3018_2021_WY	4953316.361	254794.897	1203.095	VVA
3019_2021_WY	4952751.141	475287.925	1127.662	VVA
3020_2021_WY	4975855.478	135324.338	2016.982	VVA
3021_2021_WY	4830734.400	305443.065	1633.136	VVA
3022_2021_WY	4892731.561	159756.489	2234.068	VVA
3023_2021_WY	4876815.293	181265.836	2014.856	VVA
3024_2021_WY	4924303.529	181420.779	1666.818	VVA
3025_2021_WY	4926740.406	194869.692	1574.025	VVA
3026_2021_WY	4965602.286	272668.240	2771.097	VVA
3027_2021_WY	4908839.431	483366.105	1360.915	VVA
3028_2021_WY	4854227.119	272298.355	1331.155	VVA
3029_2021_WY	4928855.163	163496.602	1657.214	VVA
3030_2021_WY	4900397.707	293146.895	1379.575	VVA
3031_2021_WY	4932844.094	300341.176	2631.463	VVA
3032_2021_WY	4842472.638	63140.775	2153.905	VVA
3033_2021_WY	4802056.002	483720.832	1373.146	VVA
3033A_2021_WY	4801825.735	483725.191	1373.510	VVA
3034_2021_WY	4890984.313	182516.064	1863.368	VVA
3035_2021_WY	4744752.732	459753.988	1489.617	VVA
3036_2021_WY	4877988.955	306892.465	1436.598	VVA
3037_2021_WY	4938761.919	298304.662	2315.811	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3038_2021_WY	4866357.763	469544.166	1422.583	VVA
3039_2021_WY	4878039.646	275067.990	1372.448	VVA
3040_2021_WY	4981126.145	167272.062	1347.995	VVA
3041_2021_WY	4881140.229	193920.493	1825.361	VVA
3042_2021_WY	4866739.860	73445.442	2363.115	VVA
3043_2021_WY	4853710.050	49471.771	2402.395	VVA
3044_2021_WY	4843908.402	436805.474	1564.081	VVA
3045A_2021_WY	4977396.783	208521.057	1332.037	VVA
3046_2021_WY	4748168.480	481064.423	1567.424	VVA
3047_2021_WY	4847591.298	319766.047	1956.269	VVA
3048_2021_WY	4890612.253	287793.102	1360.855	VVA
3049_2021_WY	4702640.541	418560.562	2426.178	VVA
3050_2021_WY	4866607.232	303838.329	1422.520	VVA
3051_2021_WY	4965613.294	201621.190	1337.776	VVA
3052_2021_WY	4949418.589	274485.745	1546.554	VVA
3053_2021_WY	4854116.407	470659.855	1466.760	VVA
3054_2021_WY	4702720.230	414344.431	2337.363	VVA
3055_2021_WY	4870767.648	323611.243	2227.449	VVA
3056_2021_WY	4807655.552	504900.562	1334.507	VVA
3057_2021_WY	4699677.512	421462.869	2528.491	VVA
3058_2021_WY	4854849.711	310650.183	1492.772	VVA
3059_2021_WY	4850118.027	284246.843	1507.223	VVA
3060_2021_WY	4860757.875	72826.183	2471.329	VVA
3061_2021_WY	4730453.395	469018.357	1471.830	VVA
3063_2021_WY	4855725.054	470680.277	1465.083	VVA
3064_2021_WY	4978087.921	169966.951	1304.091	VVA
3065_2021_WY	4975435.681	448719.196	1243.375	VVA
3066A_2021_WY	4890510.459	157164.652	2656.054	VVA
3067_2021_WY	4858452.683	316123.059	1617.307	VVA
3068_2021_WY	4866694.535	296974.977	1512.860	VVA
3069_2021_WY	4876308.702	246188.717	1373.971	VVA
3070_2021_WY	4733341.221	467311.836	1464.294	VVA
3071_2021_WY	4886649.214	318592.254	1994.737	VVA
3072_2021_WY	4980978.497	170195.965	1304.876	VVA
3073_2021_WY	4893519.498	159404.435	2172.571	VVA
3074_2021_WY	4886530.521	300504.500	1363.834	VVA
3075_2021_WY	4960787.196	154928.848	2270.324	VVA
3076A_2021_WY	4975810.512	134563.418	2003.211	VVA
3078_2021_WY	4986278.038	195060.511	1364.460	VVA
3079_2021_WY	4889974.585	236482.914	1386.239	VVA
3080_2021_WY	4878912.551	229542.081	1480.106	VVA
3081_2021_WY	4828437.827	36436.254	1964.413	VVA
3082_2021_WY	4986045.552	207318.159	1448.000	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3083_2021_WY	4735340.201	466737.590	1477.781	VVA
3084_2021_WY	4943595.549	180887.686	1539.811	VVA
3085_2021_WY	4738343.813	449836.860	1584.945	VVA
3086_2021_WY	4720787.950	458069.751	1593.388	VVA
3087_2021_WY	4947745.118	480491.678	1184.788	VVA
3088_2021_WY	4706641.703	434832.228	2218.165	VVA
3089_2021_WY	4985864.163	171552.584	1321.436	VVA
3090_2021_WY	4845464.419	286326.016	1431.812	VVA
3091_2021_WY	4974708.321	135254.478	2030.213	VVA
3093_2021_WY	4963822.484	185230.028	1503.857	VVA
3094_2021_WY	4863324.993	84543.502	2630.395	VVA
3095_2021_WY	4814595.665	58790.270	2091.302	VVA
3096_2021_WY	4860061.715	78787.066	2548.865	VVA
3097_2021_WY	4833517.239	48049.460	2678.348	VVA
3098_2021_WY	4934293.138	113214.572	1967.985	VVA
3099_2021_WY	4933263.159	121345.110	1901.675	VVA
3100_2021_WY	4860315.893	58290.805	2255.187	VVA
3101_2021_WY	4868355.844	77096.705	2194.618	VVA
3102_2021_WY	4689461.933	463317.389	1965.376	VVA
3104_2021_WY	4733054.194	427101.106	1965.234	VVA
3105_2021_WY	4835471.324	50783.596	2267.908	VVA
3106_2021_WY	4880907.244	18508.962	2295.353	VVA
3107_2021_WY	4883855.048	315197.741	1656.778	VVA
3108_2021_WY	4873790.390	19245.619	2346.192	VVA
3109_2021_WY	4907256.223	464112.751	1375.613	VVA
3110_2021_WY	4897858.400	452990.992	1449.198	VVA
3111_2021_WY	4963139.635	204815.512	1325.725	VVA
3112_2021_WY	4844397.018	436667.634	1577.477	VVA
3113_2021_WY	4907325.728	445873.618	1424.523	VVA
3114_2021_WY	4967883.122	451321.738	1246.497	VVA
3115_2021_WY	4899996.046	456759.054	1420.164	VVA
3116_2021_WY	4899564.352	452787.729	1433.928	VVA
3118_2021_WY	4896035.693	489860.318	1348.124	VVA
3119_2021_WY	4918944.322	234965.668	1292.959	VVA
3120_2021_WY	4795512.229	503328.876	1381.549	VVA
3121_2021_WY	4858373.203	473963.012	1440.078	VVA
3122_2021_WY	4766923.818	470990.925	1544.833	VVA
3122A_2021_WY	4769736.358	466195.977	1518.695	VVA
3123_2021_WY	4889353.927	298122.198	1340.588	VVA
3124_2021_WY	4899774.304	460077.276	1400.786	VVA
3125_2021_WY	4967689.338	234119.705	1185.810	VVA
3126_2021_WY	4925885.881	455298.602	1282.461	VVA
3127_2021_WY	4846611.367	444882.393	1502.723	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3128_2021_WY	4734940.612	482684.163	1606.769	VVA
3129_2021_WY	4928298.214	168335.528	1742.401	VVA
3130_2021_WY	4899072.798	454581.330	1422.195	VVA
3131_2021_WY	4772832.566	499215.884	1374.464	VVA
3132_2021_WY	4741403.394	474885.493	1546.277	VVA
3133_2021_WY	4927806.304	159408.599	1708.022	VVA
3134_2021_WY	4866190.806	447963.934	1525.377	VVA
3135_2021_WY	4859384.238	266940.237	1311.105	VVA
3136_2021_WY	4896128.128	455442.229	1467.050	VVA
3137_2021_WY	4966624.659	148354.778	1970.212	VVA
3138_2021_WY	4879627.191	257443.447	1255.190	VVA
3139_2021_WY	4889360.583	453040.827	1437.131	VVA
3140_2021_WY	4924213.682	158087.604	1710.007	VVA
3141_2021_WY	4924033.689	187809.583	1627.052	VVA
3142_2021_WY	4934293.755	152702.839	1671.716	VVA
3144_2021_WY	4757497.760	430481.410	1638.233	VVA
3145_2021_WY	4750627.624	454595.430	1534.149	VVA
3146_2021_WY	4740867.292	442197.857	1542.562	VVA
3147_2021_WY	4894645.232	269331.469	1221.496	VVA
3148_2021_WY	4857707.053	436586.478	1566.507	VVA
3149_2021_WY	4948988.722	213908.262	1320.275	VVA
3150_2021_WY	4975778.473	215628.089	1259.708	VVA
3151_2021_WY	4758445.194	430172.677	1639.968	VVA
3151A_2021_WY	4761153.712	431063.993	1665.466	VVA
3152_2021_WY	4875111.997	463158.671	1420.332	VVA
3153_2021_WY	4746027.897	419979.220	1538.860	VVA
3154_2021_WY	4910650.093	444906.771	1390.859	VVA
3155_2021_WY	4892369.154	452169.073	1473.834	VVA
3156_2021_WY	4983781.198	172831.205	1275.337	VVA
3157_2021_WY	4825440.270	315402.645	2130.628	VVA
3158_2021_WY	4899181.142	452002.902	1428.222	VVA
3159_2021_WY	4904063.438	433476.331	1419.822	VVA
3160_2021_WY	4872403.665	257177.277	1263.011	VVA
3161_2021_WY	4973983.742	486517.762	1183.999	VVA
3162_2021_WY	4704251.659	466668.020	1656.204	VVA
3163_2021_WY	4885086.439	425061.429	1451.221	VVA
3164_2021_WY	4894894.022	296280.065	1413.844	VVA
3165_2021_WY	4957699.530	166587.147	1596.125	VVA
3166_2021_WY	4880390.365	314359.466	1904.256	VVA
3167_2021_WY	4963174.665	189615.054	1447.359	VVA
3168_2021_WY	4933281.316	148695.870	1713.067	VVA
3169_2021_WY	4819277.760	463835.673	1462.878	VVA
3170_2021_WY	4798708.064	483738.044	1391.623	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3171_2021_WY	4882205.898	310277.898	1472.968	VVA
3172_2021_WY	4895791.193	471334.171	1400.046	VVA
3173_2021_WY	4904114.835	219722.085	1504.586	VVA
3173A_2021_WY	4900554.040	220163.200	1439.124	VVA
3175_2021_WY	4903666.188	262904.351	1214.760	VVA
3176_2021_WY	4982037.956	168511.339	1332.352	VVA
3177_2021_WY	4923788.179	232192.746	1308.221	VVA
3178_2021_WY	4863910.237	259392.482	1307.302	VVA
3179_2021_WY	4744625.435	486937.206	1564.249	VVA
3180_2021_WY	4941962.616	179968.392	1534.760	VVA
3181_2021_WY	4983717.370	177415.359	1271.485	VVA
3182_2021_WY	4741444.502	477438.942	1573.121	VVA
3183_2021_WY	4888882.506	259187.210	1326.238	VVA
3184_2021_WY	4790558.092	469269.026	1435.260	VVA
3185_2021_WY	4923344.935	238710.977	1291.484	VVA
3186_2021_WY	4875906.553	276865.336	1357.848	VVA
3187_2021_WY	4836536.937	438745.256	1603.647	VVA
3188_2021_WY	4928447.235	449202.527	1265.136	VVA
3189_2021_WY	4867259.624	469288.877	1416.770	VVA
3190_2021_WY	4906108.564	480440.918	1332.246	VVA
3191_2021_WY	4904184.972	471727.078	1347.117	VVA
3192_2021_WY	4875977.811	290442.500	1399.625	VVA
3193_2021_WY	4887242.491	299331.672	1345.350	VVA
3194_2021_WY	4908407.595	444646.928	1415.974	VVA
3195_2021_WY	4826659.347	468774.012	1459.985	VVA
3196_2021_WY	4824955.078	487943.858	1534.978	VVA
3197_2021_WY	4894045.602	448702.782	1464.020	VVA
3198_2021_WY	4923041.346	430390.959	1245.060	VVA
3199_2021_WY	4907875.518	444669.030	1413.906	VVA
3200_2021_WY	4950906.947	460019.063	1164.548	VVA
3201_2021_WY	4911569.213	438725.541	1385.065	VVA
3202_2021_WY	4927987.425	225318.885	1365.251	VVA
3203_2021_WY	4908941.492	445616.792	1420.897	VVA
3204_2021_WY	4984739.204	240423.854	1149.591	VVA
3205_2021_WY	4845736.257	322525.805	2111.854	VVA
3206_2021_WY	4933452.487	147396.754	1712.635	VVA
3207_2021_WY	4956998.505	202163.486	1318.053	VVA
3208_2021_WY	4856998.717	277447.044	1465.810	VVA
3209_2021_WY	4841017.718	422370.848	1577.153	VVA
3210_2021_WY	4866153.331	251125.460	1286.467	VVA
3211_2021_WY	4687075.201	461346.338	2125.175	VVA
3212_2021_WY	4915769.707	481976.217	1247.556	VVA
3213_2021_WY	4897472.973	430674.133	1455.182	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3214_2021_WY	4963563.438	205650.335	1321.597	VVA
3215_2021_WY	4976160.474	208423.677	1301.437	VVA
3216_2021_WY	4842925.502	492253.106	1372.102	VVA
3217_2021_WY	4902562.712	433005.264	1442.167	VVA
3218_2021_WY	4882472.241	282797.670	1427.209	VVA
3219_2021_WY	4732374.098	491678.392	1491.011	VVA
3220_2021_WY	4898739.734	437186.903	1484.810	VVA
3222_2021_WY	4892284.139	440792.037	1523.100	VVA
3223_2021_WY	4709544.107	438649.983	2171.766	VVA
3224_2021_WY	4726928.686	434793.777	1981.730	VVA
3225_2021_WY	4932447.209	282300.663	1356.248	VVA
3226_2021_WY	4910088.614	421042.571	1414.782	VVA
3227_2021_WY	4892337.125	269035.566	1225.514	VVA
3228_2021_WY	4881759.173	451772.627	1430.891	VVA
3229_2021_WY	4743471.821	429986.819	1548.598	VVA
3230_2021_WY	4789107.147	478894.829	1434.236	VVA
3231_2021_WY	4878241.204	223046.074	1515.150	VVA
3232_2021_WY	4765386.891	475467.104	1506.273	VVA
3233_2021_WY	4855367.042	444645.030	1501.647	VVA
3234_2021_WY	4723408.648	431748.093	1971.979	VVA
3235_2021_WY	4910248.568	444223.972	1415.446	VVA
3236_2021_WY	4953353.711	467419.463	1130.025	VVA
3238_2021_WY	4771948.651	430263.117	1700.095	VVA
3239_2021_WY	4916000.969	206126.388	1523.336	VVA
3240_2021_WY	4871499.380	293843.443	1500.962	VVA
3241_2021_WY	4912395.783	143607.835	1943.683	VVA
3242_2021_WY	4807786.744	468029.802	1482.933	VVA
3243_2021_WY	4875577.437	442270.324	1511.464	VVA
3245_2021_WY	4943253.163	178293.640	1545.736	VVA
3246_2021_WY	4863187.649	470236.465	1452.482	VVA
3247_2021_WY	4743031.746	433700.118	1522.770	VVA
3248_2021_WY	4928100.631	491908.251	1237.788	VVA
3249_2021_WY	4896307.167	129146.032	1989.047	VVA
3250_2021_WY	4796431.424	483501.668	1404.511	VVA
3251_2021_WY	4980829.166	484213.181	1159.692	VVA
3253_2021_WY	4735218.807	505899.054	1527.438	VVA
3254_2021_WY	4978562.083	218979.791	1242.324	VVA
3255_2021_WY	4863172.142	467935.757	1438.591	VVA
3256_2021_WY	4954207.045	422852.341	1235.362	VVA
3257_2021_WY	4841971.643	419747.045	1531.667	VVA
3258_2021_WY	4725412.882	492595.705	1485.026	VVA
3259_2021_WY	4875940.090	267201.895	1291.288	VVA
3260_2021_WY	4953678.182	216301.333	1292.631	VVA

2.4. Ground Control-Geodetic Coordinate System

- Horizontal Datum: NAD 1983 (Conus)
- Vertical Datum: NAVD88
- Units: Meters

Table 2.4 Ground Control -NAD 83 (Conus)

Point Number	NAD1983 (Conus) Latitude (N)	NAD1983 (Conus) Longitude (W)	Ellipsoid Height (M)	Description
1001_2021_WY	42°43'18.66402"	-105°30'08.25227"	1632.776	LCP
1002_2021_WY	42°40'04.56750"	-105°08'25.35032"	1437.322	LCP
1003_2021_WY	42°44'18.34393"	-105°01'47.42110"	1518.932	LCP
1004_2021_WY	42°36'02.41766"	-105°41'59.46041"	1833.570	LCP
1005_2021_WY	42°42'19.33296"	-105°35'14.87463"	1715.386	LCP
1006_2021_WY	42°26'48.21312"	-105°21'07.76739"	1908.200	LCP
1007_2021_WY	42°39'27.43369"	-105°17'13.18101"	1432.277	LCP
1008_2021_WY	42°54'17.92132"	-105°49'54.62755"	1609.821	LCP
1009_2021_WY	42°43'51.40847"	-105°47'49.77275"	1921.550	LCP
1010_2021_WY	42°51'39.37718"	-105°53'47.06428"	1523.625	LCP
1011_2021_WY	42°45'12.35904"	-105°38'56.52222"	1676.906	LCP
1012_2021_WY	42°50'44.03111"	-105°59'51.52362"	1529.365	LCP
1013_2021_WY	42°51'37.00873"	-106°02'42.12226"	1531.076	LCP
1014_2021_WY	42°42'39.15826"	-104°54'04.62144"	1535.326	LCP
1015_2021_WY	42°45'43.18774"	-104°56'18.15405"	1509.760	LCP
1016_2021_WY	42°39'24.14329"	-105°11'46.01572"	1436.578	LCP
1017_2021_WY	43°28'31.49838"	-105°55'28.92479"	1647.724	LCP
1018_2021_WY	42°51'19.84182"	-105°57'03.76662"	1527.929	LCP
1019_2021_WY	43°02'58.70954"	-105°51'07.59731"	1732.811	LCP
1020_2021_WY	43°10'29.47929"	-104°57'04.20855"	1356.379	LCP
1021_2021_WY	43°05'45.59770"	-105°55'55.01898"	1783.736	LCP
1022_2021_WY	43°19'45.81523"	-105°40'09.41338"	1528.912	LCP
1023_2021_WY	43°16'57.83122"	-105°18'44.03923"	1425.770	LCP
1024_2021_WY	43°33'24.38747"	-105°27'33.91989"	1489.425	LCP
1025_2021_WY	43°40'58.52899"	-105°58'14.64441"	1429.949	LCP
1026_2021_WY	43°38'49.37073"	-105°39'41.72581"	1564.901	LCP
1026A_2021_WY	43°38'57.84795"	-105°39'12.15317"	1578.477	LCP
1027_2021_WY	43°19'11.45925"	-105°10'40.28682"	1399.826	LCP
1028_2021_WY	43°28'56.47785"	-105°26'41.40355"	1437.759	LCP
1029_2021_WY	43°18'03.99759"	-105°01'42.20070"	1440.349	LCP
1030_2021_WY	43°22'18.87669"	-105°23'10.40769"	1474.015	LCP
1031_2021_WY	43°02'25.34018"	-105°15'59.13482"	1454.409	LCP
1033_2021_WY	43°38'01.08090"	-110°32'58.49913"	2127.505	LCP
1035_2021_WY	43°45'27.82528"	-110°55'29.35423"	2104.495	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1036_2021_WY	43°19'23.96614"	-110°26'47.48716"	2039.850	LCP
1037_2021_WY	43°35'58.58616"	-110°23'54.61356"	2216.935	LCP
1038_2021_WY	43°46'35.01034"	-110°30'48.17162"	2117.435	LCP
1039_2021_WY	43°35'05.43767"	-110°20'35.23164"	2255.442	LCP
1041_2021_WY	43°53'58.81323"	-110°58'36.85632"	2406.329	LCP
1043_2021_WY	43°30'00.62729"	-110°56'17.21765"	2433.283	LCP
1044_2021_WY	43°46'00.79962"	-110°04'46.99750"	2802.990	LCP
1045_2021_WY	43°34'54.46088"	-110°15'17.23746"	2424.662	LCP
1046_2021_WY	43°46'22.25501"	-110°19'44.21975"	2453.957	LCP
1047_2021_WY	43°49'01.41681"	-110°11'17.21169"	2633.707	LCP
1048_2021_WY	43°47'05.91372"	-110°08'17.77190"	2676.737	LCP
1049_2021_WY	43°23'31.56998"	-110°07'54.95642"	2638.626	LCP
1050_2021_WY	43°33'01.06966"	-107°30'56.05881"	1782.282	LCP
1051_2021_WY	43°39'08.92471"	-107°22'23.14040"	1511.789	LCP
1052_2021_WY	43°46'20.89071"	-107°18'04.21820"	1507.064	LCP
1053_2021_WY	43°56'10.28469"	-107°19'00.74712"	1439.548	LCP
1054_2021_WY	44°16'33.47232"	-107°32'14.36319"	1450.055	LCP
1055_2021_WY	44°01'31.50092"	-107°28'09.90681"	1334.695	LCP
1056_2021_WY	44°09'42.40296"	-107°11'46.03360"	2669.756	LCP
1057_2021_WY	43°45'33.42714"	-107°14'20.42140"	1945.150	LCP
1058_2021_WY	43°29'58.90352"	-107°07'45.45213"	2461.216	LCP
1059_2021_WY	43°34'36.11146"	-107°08'33.26696"	2202.759	LCP
1060_2021_WY	44°14'27.73703"	-107°47'48.74011"	1228.647	LCP
1061_2021_WY	44°00'37.28447"	-105°56'08.90384"	1480.654	LCP
1062_2021_WY	44°01'43.98171"	-105°59'26.68786"	1456.767	LCP
1063_2021_WY	43°54'13.13695"	-105°51'11.09558"	1486.988	LCP
1064_2021_WY	43°49'41.76448"	-105°51'53.74605"	1569.231	LCP
1065_2021_WY	43°36'28.10944"	-105°48'23.71192"	1635.042	LCP
1066_2021_WY	44°17'18.66662"	-105°16'53.27890"	1317.094	LCP
1067_2021_WY	44°12'11.62739"	-105°27'07.48903"	1429.718	LCP
1067A_2021_WY	44°11'31.85753"	-105°27'47.15202"	1449.231	LCP
1068_2021_WY	44°05'26.84185"	-105°27'46.48723"	1366.695	LCP
1069_2021_WY	44°03'23.21009"	-105°47'03.83792"	1500.866	LCP
1070_2021_WY	43°56'17.66213"	-105°26'46.73646"	1400.597	LCP
1071_2021_WY	43°45'51.64630"	-105°08'10.98016"	1363.124	LCP
1071A_2021_WY	43°43'22.47787"	-105°08'35.38775"	1397.538	LCP
1072_2021_WY	43°42'46.63666"	-105°18'33.84433"	1421.420	LCP
1073_2021_WY	43°38'07.58152"	-105°13'16.94656"	1419.346	LCP
1073A_2021_WY	43°37'54.45330"	-105°15'59.83355"	1462.126	LCP
1074_2021_WY	44°19'35.01372"	-105°19'39.59525"	1369.641	LCP
1075_2021_WY	44°15'52.35625"	-105°08'38.41966"	1304.478	LCP
1076_2021_WY	44°22'36.35802"	-108°02'07.79923"	1164.635	LCP
1077_2021_WY	43°51'47.18885"	-107°52'07.00046"	1335.513	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1078_2021_WY	43°55'27.43622"	-107°57'23.46368"	1284.558	LCP
1079_2021_WY	44°46'41.44168"	-108°29'43.23098"	1234.790	LCP
1080_2021_WY	44°21'16.48827"	-109°20'07.28882"	1781.080	LCP
1081_2021_WY	44°07'16.23784"	-108°11'46.57449"	1307.077	LCP
1082_2021_WY	44°05'56.55811"	-108°09'08.75834"	1302.339	LCP
1083_2021_WY	44°15'22.16098"	-109°05'45.25940"	2190.307	LCP
1084_2021_WY	43°59'16.14890"	-108°00'04.94720"	1239.106	LCP
1085_2021_WY	44°05'34.53487"	-109°06'04.61344"	1981.986	LCP
1086_2021_WY	44°04'40.15364"	-109°08'58.00102"	2095.732	LCP
1087A_2021_WY	43°56'14.09857"	-109°12'51.69184"	2489.367	LCP
1088_2021_WY	44°25'10.91873"	-108°29'00.23620"	1359.665	LCP
1089_2021_WY	44°19'02.91161"	-108°56'22.85144"	1709.755	LCP
1090_2021_WY	44°09'58.09858"	-109°36'37.81011"	1934.739	LCP
1091_2021_WY	44°19'08.79094"	-109°24'44.74209"	1832.261	LCP
1092_2021_WY	44°08'10.51227"	-108°19'26.94518"	1358.649	LCP
1093_2021_WY	44°05'52.57012"	-108°59'23.76166"	1898.361	LCP
1094_2021_WY	44°15'13.57686"	-107°37'10.83362"	1365.094	LCP
1095_2021_WY	44°17'06.43604"	-109°27'22.82449"	1955.068	LCP
1096_2021_WY	44°08'00.86864"	-108°49'50.54239"	1878.208	LCP
1097_2021_WY	44°30'05.99150"	-109°14'14.12576"	1642.887	LCP
1098_2021_WY	44°18'15.59762"	-108°45'06.67447"	1596.892	LCP
1099_2021_WY	44°12'15.90775"	-108°30'08.37986"	1425.787	LCP
1100_2021_WY	44°09'50.61014"	-107°08'22.55149"	2833.208	LCP
1101_2021_WY	44°36'51.87831"	-107°31'17.68555"	2551.561	LCP
1102_2021_WY	44°34'53.02058"	-107°40'55.65362"	1427.407	LCP
1103_2021_WY	44°58'11.76884"	-107°53'04.56359"	2711.624	LCP
1104_2021_WY	44°36'06.33933"	-107°49'55.20801"	1348.557	LCP
1105_2021_WY	44°13'28.87744"	-107°41'45.20543"	1294.205	LCP
1106_2021_WY	44°25'34.94249"	-108°08'57.12872"	1197.896	LCP
1107_2021_WY	44°42'47.35365"	-108°09'55.06800"	1131.192	LCP
1108_2021_WY	44°24'25.14446"	-108°14'07.84051"	1235.957	LCP
1109_2021_WY	44°59'12.85968"	-108°15'41.64283"	1201.631	LCP
1110_2021_WY	44°30'16.64000"	-107°27'41.86595"	2887.327	LCP
1111_2021_WY	44°50'03.07787"	-108°21'07.07111"	1156.621	LCP
1112_2021_WY	44°32'44.62901"	-107°29'58.71531"	2332.577	LCP
1113_2021_WY	44°23'06.75592"	-108°25'26.16347"	1326.923	LCP
1114_2021_WY	44°43'52.96673"	-109°33'05.50440"	2065.387	LCP
1115_2021_WY	44°47'46.36804"	-109°26'40.37910"	2002.504	LCP
1116_2021_WY	44°49'15.36721"	-108°41'29.32430"	1347.808	LCP
1117_2021_WY	44°45'13.15197"	-108°46'18.52910"	1331.345	LCP
1118_2021_WY	44°28'46.19139"	-108°47'24.96664"	1561.262	LCP
1119_2021_WY	44°19'59.31742"	-107°24'15.15279"	2652.011	LCP
1120_2021_WY	44°25'48.18419"	-109°12'32.35208"	1679.513	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1121_2021_WY	44°34'43.91613"	-108°59'45.69022"	1497.532	LCP
1122_2021_WY	44°57'20.62023"	-109°29'01.80026"	3101.855	LCP
1123_2021_WY	44°28'22.67636"	-108°40'43.78596"	1481.259	LCP
1124_2021_WY	44°59'07.72416"	-109°50'57.81334"	2239.807	LCP
1125_2021_WY	44°55'57.87926"	-109°39'28.67747"	2420.091	LCP
1126A_2021_WY	44°56'37.96923"	-109°46'38.49922"	2100.525	LCP
1127_2021_WY	44°27'26.64304"	-109°43'16.67608"	1861.007	LCP
1128_2021_WY	44°27'14.38020"	-109°48'53.21674"	1929.104	LCP
1129_2021_WY	44°58'11.65544"	-109°26'21.61687"	3268.546	LCP
1130_2021_WY	44°55'18.89499"	-109°42'38.17963"	2098.220	LCP
1131_2021_WY	44°27'56.87163"	-109°26'29.39006"	1712.111	LCP
1132_2021_WY	44°40'48.56538"	-108°36'46.26901"	1293.711	LCP
1133_2021_WY	44°57'55.63995"	-109°02'48.35691"	1253.178	LCP
1134_2021_WY	44°32'09.96915"	-109°01'57.53033"	1498.188	LCP
1135_2021_WY	44°14'57.45065"	-109°30'58.07433"	1864.466	LCP
1136_2021_WY	44°36'27.34488"	-109°12'26.29719"	2000.372	LCP
1137_2021_WY	44°19'44.71900"	-105°05'01.69778"	1298.583	LCP
1138_2021_WY	44°43'05.55649"	-105°53'19.33739"	1186.276	LCP
1139_2021_WY	44°36'39.62773"	-105°42'54.29288"	1259.811	LCP
1140_2021_WY	44°41'23.13497"	-106°00'07.61265"	1181.143	LCP
1141_2021_WY	44°19'46.28930"	-105°43'47.51078"	1426.630	LCP
1142_2021_WY	44°20'43.05666"	-105°31'26.61041"	1307.945	LCP
1143_2021_WY	44°28'52.63353"	-105°36'01.91668"	1280.122	LCP
1144_2021_WY	44°42'15.77472"	-105°46'24.37589"	1249.903	LCP
1145_2021_WY	44°49'16.35145"	-105°11'52.49289"	1194.937	LCP
1146_2021_WY	44°46'11.84207"	-105°23'09.89153"	1077.964	LCP
1147_2021_WY	44°41'00.87934"	-105°05'36.26629"	1215.233	LCP
1148_2021_WY	44°42'29.87409"	-105°49'48.18803"	1207.263	LCP
1149_2021_WY	44°41'32.58256"	-105°10'05.39455"	1261.460	LCP
1150_2021_WY	44°38'53.18049"	-105°18'46.58211"	1112.659	LCP
1151_2021_WY	44°29'36.51792"	-109°56'11.25022"	2015.074	LCP
1152_2021_WY	44°32'50.10736"	-105°39'27.47778"	1241.625	LCP
1153_2021_WY	44°31'24.46863"	-105°26'33.12221"	1202.981	LCP
1153A_2021_WY	44°25'19.97907"	-105°27'19.66703"	1255.869	LCP
1154_2021_WY	44°51'49.38060"	-105°22'19.76001"	1059.355	LCP
1155_2021_WY	44°51'00.13495"	-109°10'31.47512"	1278.237	LCP
1156_2021_WY	44°58'02.52410"	-109°11'44.96327"	1397.742	LCP
1157_2021_WY	44°34'23.35986"	-109°03'43.30544"	1550.028	LCP
1158_2021_WY	44°39'03.68301"	-108°16'05.67637"	1335.610	LCP
1161_2021_WY	44°08'40.45931"	-109°37'29.11689"	1946.611	LCP
1162_2021_WY	44°11'22.45279"	-109°34'43.80627"	1907.678	LCP
1163_2021_WY	44°12'30.45882"	-109°33'21.10342"	1894.160	LCP
1164_2021_WY	44°19'40.36581"	-109°23'49.83899"	1794.278	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1165_2021_WY	44°20'20.23262"	-109°22'34.50846"	1782.390	LCP
1166_2021_WY	44°20'01.08284"	-108°42'16.01084"	1547.842	LCP
1167_2021_WY	44°28'27.29369"	-110°03'13.86435"	2250.405	LCP
1168_2021_WY	44°27'47.36013"	-109°36'55.03699"	1798.987	LCP
1169_2021_WY	44°27'37.33069"	-109°31'32.86709"	1760.461	LCP
1170_2021_WY	44°29'58.36899"	-108°54'17.73238"	1596.902	LCP
1171_2021_WY	44°50'25.82865"	-108°26'12.37120"	1175.568	LCP
1172_2021_WY	44°03'56.94444"	-107°22'37.21383"	1445.953	LCP
1173_2021_WY	43°53'53.21462"	-108°04'55.65979"	1251.164	LCP
1174_2021_WY	44°29'37.89980"	-108°00'12.09513"	1205.562	LCP
1175_2021_WY	44°31'13.32296"	-107°56'28.14922"	1203.638	LCP
1176_2021_WY	44°35'10.34978"	-107°38'38.57168"	1767.739	LCP
1177_2021_WY	44°34'46.14014"	-107°35'06.33607"	2052.820	LCP
1178_2021_WY	44°20'34.56468"	-107°23'19.51160"	2513.404	LCP
1178A_2021_WY	44°18'31.25470"	-107°18'43.15085"	2788.069	LCP
1178B_2021_WY	44°18'31.51122"	-107°18'44.13345"	2787.184	LCP
1179_2021_WY	44°15'59.98745"	-107°16'51.16624"	2748.889	LCP
1180_2021_WY	44°10'46.50534"	-107°14'11.17530"	2536.735	LCP
1181_2021_WY	44°20'38.17902"	-105°29'14.23685"	1337.553	LCP
1182_2021_WY	44°14'41.95985"	-105°39'19.19875"	1443.064	LCP
1183_2021_WY	44°16'41.83589"	-105°12'16.20477"	1291.497	LCP
1184_2021_WY	43°05'54.56676"	-105°57'52.32370"	1835.560	LCP
1185_2021_WY	43°23'10.39642"	-105°32'33.74229"	1468.037	LCP
1186_2021_WY	43°17'25.46570"	-105°07'03.49705"	1449.215	LCP
1187_2021_WY	43°02'57.59861"	-104°53'00.93801"	1447.431	LCP
1188_2021_WY	42°50'21.41992"	-105°44'29.81728"	1492.219	LCP
1189_2021_WY	42°45'56.20830"	-105°27'21.76514"	1495.983	LCP
1190_2021_WY	42°43'04.85564"	-105°23'46.70872"	1454.383	LCP
1191_2021_WY	44°28'43.34446"	-109°54'06.69041"	1987.741	LCP
1192_2021_WY	44°26'58.62518"	-109°00'58.33279"	1597.427	LCP
1193_2021_WY	44°43'32.43305"	-109°22'07.55527"	2308.962	LCP
1194_2021_WY	44°45'37.40970"	-108°18'31.88086"	1254.636	LCP
1195_2021_WY	44°00'03.64669"	-108°14'42.95997"	1388.973	LCP
1196_2021_WY	44°16'33.58033"	-108°02'00.76471"	1217.876	LCP
1197_2021_WY	43°40'29.25496"	-105°30'10.56984"	1524.661	LCP
1198_2021_WY	42°58'23.31296"	-105°35'27.21502"	1569.308	LCP
1204_2021_WY	43°49'10.53702"	-110°17'07.92245"	2350.333	LCP
1205_2021_WY	43°48'49.94466"	-110°15'50.63927"	2392.334	LCP
1206_2021_WY	44°29'02.52381"	-110°01'04.31500"	2140.382	LCP
1207_2021_WY	44°29'51.24576"	-109°58'41.01429"	2074.172	LCP
1208_2021_WY	45°01'08.36976"	-109°56'12.12784"	2296.430	LCP
1209_2021_WY	43°43'46.34801"	-107°41'51.84725"	1442.713	LCP
1210_2021_WY	43°45'47.26680"	-107°46'47.72177"	1429.391	LCP

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1211_2021_WY	43°45'00.05340"	-107°44'13.66503"	1369.135	LCP
1212_2021_WY	43°47'50.28633"	-107°49'24.24428"	1338.857	LCP
1213_2021_WY	44°01'40.48580"	-107°40'12.41481"	1410.889	LCP
1214_2021_WY	43°42'58.80951"	-107°36'09.22650"	1508.326	LCP
1215_2021_WY	43°42'46.59269"	-107°34'09.88085"	1558.489	LCP
1216_2021_WY	43°04'43.32235"	-105°46'07.34702"	1795.460	LCP
1217_2021_WY	42°43'17.35203"	-105°32'16.75063"	1706.545	LCP
1218_2021_WY	42°42'48.38515"	-105°03'57.30702"	1472.173	LCP
1219_2021_WY	43°16'53.85134"	-110°35'14.92879"	1892.434	LCP
1220_2021_WY	43°17'19.43309"	-110°31'42.49435"	1939.933	LCP
1221_2021_WY	43°43'35.43168"	-110°01'56.23983"	2744.756	LCP
1222_2021_WY	43°42'32.18988"	-109°58'10.02058"	2540.954	LCP
1223_2021_WY	43°38'20.35293"	-109°54'41.03870"	2344.469	LCP
1224_2021_WY	43°37'41.77677"	-109°51'15.02811"	2303.535	LCP
1225_2021_WY	43°36'21.30302"	-109°47'48.71772"	2246.086	LCP
1226_2021_WY	43°34'39.85014"	-109°44'24.54465"	2189.579	LCP
1227_2021_WY	43°33'15.45696"	-109°41'03.87782"	2137.136	LCP
2001_2021_WY	43°50'18.75509"	-107°51'33.76454"	1392.624	NVA
2002_2021_WY	43°55'04.89183"	-108°04'36.85213"	1264.755	NVA
2003_2021_WY	43°52'29.99883"	-108°08'29.65271"	1283.921	NVA
2004_2021_WY	43°54'41.81275"	-108°02'14.48930"	1259.128	NVA
2005_2021_WY	43°44'07.13318"	-107°24'35.81696"	1543.969	NVA
2006_2021_WY	43°50'55.95535"	-107°21'29.42829"	1415.340	NVA
2007_2021_WY	43°55'34.60367"	-107°26'36.62451"	1412.013	NVA
2008_2021_WY	43°32'59.26002"	-107°18'37.39557"	2170.700	NVA
2008A_2021_WY	43°33'06.58278"	-107°20'54.37035"	2037.276	NVA
2009_2021_WY	43°33'05.47033"	-107°21'10.54012"	2050.740	NVA
2010_2021_WY	43°44'16.50105"	-107°10'17.30636"	2161.983	NVA
2011_2021_WY	44°31'05.78035"	-109°03'15.84789"	1539.524	HOR/NVA
2012_2021_WY	43°42'35.28516"	-107°24'57.29769"	1596.307	NVA
2013_2021_WY	43°53'25.04175"	-107°22'37.63994"	1410.087	NVA
2014_2021_WY	43°50'49.63177"	-107°21'26.14362"	1415.284	NVA
2015_2021_WY	43°48'42.44399"	-107°42'41.50654"	1497.255	NVA
2016_2021_WY	43°40'58.70983"	-107°27'22.20300"	1612.038	NVA
2017_2021_WY	43°35'17.34644"	-107°08'22.67867"	2349.650	NVA
2018_2021_WY	43°52'43.14103"	-107°18'14.10604"	1472.253	NVA
2019_H_2021_WY	44°00'29.27043"	-107°57'42.42753"	1226.168	NVA
2020_2021_WY	43°43'48.84477"	-107°39'02.39919"	1419.905	NVA
2021_2021_WY	44°09'51.16996"	-107°53'18.77264"	1206.166	NVA
2022_2021_WY	44°04'43.89150"	-108°15'07.04597"	1343.174	NVA
2023_H_2021_WY	43°56'20.24339"	-107°59'54.08446"	1257.624	HOR/NVA
2024_H_2021_WY	44°15'11.37102"	-107°58'47.85569"	1203.947	HOR/NVA
2025_2021_WY	44°05'47.82431"	-107°58'13.22159"	1268.692	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2026_2021_WY	44°08'28.84749"	-107°57'14.83300"	1237.020	NVA
2027_2021_WY	43°58'44.21873"	-108°00'56.67408"	1253.495	NVA
2028_2021_WY	44°06'08.88082"	-107°55'14.94205"	1204.926	NVA
2029_H_2021_WY	44°21'59.94696"	-108°02'31.39361"	1185.549	HOR/NVA
2030_2021_WY	44°00'46.38192"	-108°22'58.12234"	1477.839	NVA
2031_H_2021_WY	44°06'49.71467"	-107°54'31.32250"	1206.416	NVA
2032_2021_WY	44°05'30.21995"	-107°54'28.86594"	1215.289	NVA
2033_2021_WY	43°57'13.50380"	-107°57'20.91382"	1277.301	NVA
2034_H_2021_WY	44°11'23.22827"	-107°56'19.46383"	1207.912	HOR/NVA
2035_2021_WY	43°59'29.87527"	-107°58'05.63511"	1229.779	NVA
2036_H_2021_WY	44°00'33.14300"	-108°27'11.48558"	1511.878	HOR/NVA
2037_2021_WY	44°02'14.35438"	-107°54'25.57617"	1239.604	NVA
2038_2021_WY	43°58'05.65120"	-108°21'42.57429"	1538.767	NVA
2039_H_2021_WY	44°00'30.94614"	-108°17'14.18207"	1419.632	HOR/NVA
2040_2021_WY	44°00'06.52204"	-108°12'31.65240"	1369.970	NVA
2041_H_2021_WY	44°01'10.55051"	-107°56'50.51513"	1226.423	NVA
2042_2021_WY	44°02'32.86517"	-108°12'34.02422"	1402.963	NVA
2043_2021_WY	44°12'46.86050"	-107°54'23.78813"	1195.938	NVA
2044_2021_WY	44°12'18.16250"	-107°34'09.02580"	1414.380	NVA
2045_2021_WY	44°04'50.08198"	-107°18'54.24496"	1617.001	NVA
2046_2021_WY	44°01'05.36135"	-107°42'47.91161"	1453.533	NVA
2047_2021_WY	44°01'16.60528"	-107°43'46.87957"	1416.993	NVA
2048_2021_WY	44°07'46.07514"	-107°31'25.65277"	1330.626	NVA
2049_2021_WY	44°01'22.52931"	-107°34'41.00474"	1452.542	NVA
2050_2021_WY	44°05'48.79196"	-107°17'23.37092"	1827.391	NVA
2051_2021_WY	44°01'34.72248"	-107°37'25.99700"	1375.143	NVA
2052_2021_WY	44°04'13.92635"	-107°26'11.97678"	1467.536	NVA
2053_2021_WY	44°13'44.03001"	-107°46'19.99002"	1258.019	NVA
2054_2021_WY	44°08'18.08945"	-107°14'46.37023"	2269.949	NVA
2055_2021_WY	44°02'39.05525"	-107°43'35.02418"	1420.672	NVA
2055A_2021_WY	44°02'31.10270"	-107°43'41.38571"	1425.924	NVA
2056_2021_WY	43°59'54.94034"	-107°35'23.42311"	1445.162	NVA
2057_2021_WY	44°35'17.47629"	-108°58'15.74029"	1450.680	NVA
2058_2021_WY	44°30'59.09883"	-109°05'02.75610"	1525.395	HOR/NVA
2059_2021_WY	44°32'53.54219"	-109°04'50.68573"	1559.279	NVA
2060_2021_WY	44°25'46.09069"	-109°07'44.88507"	1683.444	NVA
2061_2021_WY	44°29'06.47737"	-109°05'58.47567"	1580.683	NVA
2062_2021_WY	44°21'16.92481"	-108°40'21.24075"	1526.092	NVA
2063_2021_WY	44°26'35.05163"	-108°53'37.76472"	1562.174	NVA
2064_2021_WY	44°44'50.16366"	-108°45'10.69428"	1325.249	HOR/NVA
2065_2021_WY	44°31'36.66299"	-109°00'14.09487"	1548.306	NVA
2066_2021_WY	44°26'53.67201"	-109°08'39.24600"	1678.035	NVA
2067_2021_WY	44°30'15.81965"	-108°58'57.21588"	1516.980	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2068_2021_WY	44°34'56.55938"	-109°06'49.80271"	1613.976	NVA
2069_2021_WY	44°24'54.76932"	-109°15'04.17089"	1705.714	NVA
2070_2021_WY	44°32'29.25922"	-108°59'47.21846"	1480.130	HOR/NVA
2071_2021_WY	44°38'14.55120"	-108°36'25.94727"	1306.779	NVA
2072_2021_WY	44°28'00.55040"	-109°08'14.35376"	1635.897	NVA
2073_2021_WY	44°31'40.15106"	-108°58'31.08010"	1520.927	NVA
2074_2021_WY	44°27'33.72571"	-109°10'37.66406"	1637.751	NVA
2075H_2021_WY	44°30'17.10415"	-108°55'41.20066"	1565.728	NVA
2076_2021_WY	44°21'26.08976"	-108°54'36.19310"	1724.990	NVA
2077H_2021_WY	44°30'44.54326"	-109°00'56.53349"	1547.199	NVA
2078_2021_WY	44°33'19.93353"	-109°03'44.20309"	1548.761	NVA
2079_2021_WY	44°26'35.22142"	-109°12'04.64268"	1657.973	HOR/NVA
2080_2021_WY	44°40'39.97061"	-108°17'13.74362"	1288.889	NVA
2081_2021_WY	44°43'15.67164"	-108°13'31.34761"	1258.723	NVA
2082_2021_WY	44°25'56.36306"	-108°22'02.16920"	1302.465	NVA
2083_2021_WY	44°32'01.05254"	-107°46'49.41366"	1281.164	NVA
2084_2021_WY	44°38'26.92242"	-107°52'03.80466"	1452.308	NVA
2085_2021_WY	44°30'19.75695"	-108°12'13.58858"	1241.571	NVA
2086_2021_WY	44°24'45.86765"	-108°09'49.54747"	1207.957	NVA
2087_2021_WY	44°31'53.38288"	-107°50'21.38668"	1255.357	NVA
2088_2021_WY	44°42'16.30765"	-108°08'34.24060"	1136.587	NVA
2089_2021_WY	44°27'17.18719"	-108°03'18.19653"	1166.077	NVA
2090_2021_WY	44°24'11.90950"	-108°19'26.66430"	1274.187	NVA
2091_2021_WY	44°30'42.37209"	-108°02'49.51338"	1142.746	NVA
2092_2021_WY	44°29'37.91443"	-107°59'03.63862"	1197.133	NVA
2093_2021_WY	44°24'35.58877"	-108°11'28.38756"	1211.647	NVA
2094_2021_WY	44°25'55.00759"	-108°02'56.93823"	1169.082	NVA
2095_2021_WY	44°29'28.84983"	-108°18'10.02790"	1302.674	NVA
2096_2021_WY	44°26'50.22909"	-108°27'57.97984"	1351.151	NVA
2097_2021_WY	44°22'41.39199"	-108°24'20.77530"	1322.238	NVA
2098_2021_WY	44°25'04.73948"	-108°23'26.02476"	1308.294	NVA
2099_2021_WY	44°27'27.55010"	-108°27'08.85720"	1351.740	NVA
2100_2021_WY	44°27'18.48427"	-108°05'53.08139"	1172.332	NVA
2101_2021_WY	44°58'55.01796"	-109°03'26.47016"	1254.133	NVA
2102_2021_WY	44°46'54.83578"	-109°25'33.42343"	1936.368	NVA
2103_2021_WY	44°58'58.30587"	-109°15'56.24045"	1698.284	NVA
2104_2021_WY	44°45'02.68151"	-108°44'22.92232"	1319.007	HOR/NVA
2105_2021_WY	44°42'20.28568"	-108°56'33.53688"	1434.207	NVA
2106_2021_WY	44°45'01.24685"	-108°40'42.44309"	1309.174	NVA
2107_2021_WY	44°47'50.37271"	-108°46'49.86309"	1331.419	NVA
2108_2021_WY	44°43'46.67153"	-109°18'37.84104"	1952.549	NVA
2109_2021_WY	44°43'28.85115"	-108°44'32.49061"	1314.657	NVA
2110_2021_WY	44°44'19.04725"	-109°01'03.30749"	1550.508	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2111_2021_WY	44°46'38.20396"	-108°44'22.51384"	1311.935	NVA
2112_2021_WY	44°53'58.96654"	-109°08'14.23100"	1270.882	NVA
2113_2021_WY	44°45'40.73078"	-108°44'56.41884"	1319.809	NVA
2114_2021_WY	44°44'30.19393"	-109°30'33.94859"	2050.044	NVA
2115_2021_WY	44°43'10.37311"	-109°20'34.27949"	2212.766	NVA
2116_2021_WY	44°46'05.71479"	-108°49'27.71893"	1368.031	NVA
2117_2021_WY	44°44'07.49803"	-108°36'42.01997"	1243.933	NVA
2118_2021_WY	44°44'18.62134"	-108°47'59.17408"	1347.487	NVA
2119_2021_WY	44°45'58.30840"	-108°43'09.09118"	1307.868	NVA
2120_2021_WY	44°56'07.39131"	-109°05'23.57195"	1258.993	NVA
2121_2021_WY	44°55'46.33244"	-108°38'47.91023"	1274.658	NVA
2122_2021_WY	44°46'27.92942"	-108°40'42.96305"	1291.971	NVA
2123_2021_WY	44°46'29.34680"	-108°46'48.43090"	1330.492	NVA
2124_2021_WY	44°45'26.34833"	-109°25'08.45754"	1862.383	NVA
2125H_2021_WY	44°52'00.10392"	-109°02'19.40676"	1309.375	NVA
2126_2021_WY	44°44'41.49596"	-108°37'02.67864"	1262.251	NVA
2127_2021_WY	44°49'33.72986"	-108°59'28.25296"	1329.443	NVA
2128H_2021_WY	44°58'08.73084"	-108°37'17.06593"	1272.265	NVA
2129_2021_WY	44°42'49.12903"	-108°46'02.94056"	1323.375	NVA
2130H_2021_WY	44°57'13.11491"	-108°37'17.52737"	1268.058	NVA
2131_2021_WY	44°46'53.83594"	-108°39'38.06478"	1285.463	NVA
2132_2021_WY	44°43'32.47683"	-108°53'30.01184"	1402.587	NVA
2133_2021_WY	44°50'29.63414"	-108°17'50.56698"	1149.877	HOR/NVA
2134_2021_WY	44°51'44.15597"	-108°20'55.61148"	1156.911	NVA
2135_2021_WY	44°48'58.89023"	-108°07'50.13180"	1177.646	HOR/NVA
2136_2021_WY	44°51'03.10684"	-108°16'10.93195"	1136.798	NVA
2137_2021_WY	44°58'22.09970"	-108°20'55.84580"	1213.677	NVA
2138_H_2021_WY	44°48'36.78090"	-108°24'50.64913"	1186.993	NVA
2139_H_2021_WY	44°49'02.05379"	-108°22'23.19185"	1174.702	NVA
2140_2021_WY	44°51'03.68297"	-108°18'38.24485"	1134.816	NVA
2141_H_2021_WY	44°50'13.73011"	-108°24'48.00221"	1161.855	NVA
2142_2021_WY	44°48'11.78445"	-107°57'19.61403"	2445.221	NVA
2142A_2021_WY	44°47'26.33118"	-108°05'09.09439"	1295.224	NVA
2143_2021_WY	44°46'02.43209"	-108°32'00.68346"	1231.267	NVA
2144_2021_WY	44°53'04.26318"	-108°26'23.14485"	1189.543	NVA
2145_2021_WY	44°48'28.79065"	-108°28'58.17527"	1203.330	NVA
2146_H_2021_WY	44°47'46.15054"	-108°30'16.37781"	1213.973	NVA
2147_2021_WY	44°57'10.00162"	-108°17'42.14324"	1143.022	HOR/NVA
2148_2021_WY	43°15'41.29685"	-105°17'13.83544"	1434.062	NVA
2149_2021_WY	43°03'37.81358"	-105°36'52.76241"	1671.214	HOR/NVA
2150_2021_WY	43°59'20.49604"	-107°15'55.70876"	1743.207	NVA
2153_H_2021_WY	42°52'26.51336"	-105°16'26.07476"	1618.291	HOR/NVA
2154_2021_WY	44°16'24.07537"	-108°52'48.05159"	1754.414	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2155_2021_WY	42°53'29.45161"	-105°50'39.48936"	1608.027	NVA
2156_2021_WY	44°18'52.63026"	-105°14'09.19764"	1326.146	NVA
2157_H_2021_WY	42°49'34.77596"	-105°47'50.89174"	1518.940	HOR/NVA
2157A_H_2021_WY	42°49'34.69433"	-105°47'51.00929"	1518.808	HOR/NVA
2158_2021_WY	43°28'54.19674"	-105°18'10.21386"	1362.637	NVA
2160_2021_WY	43°47'13.74794"	-110°57'33.81987"	2418.935	NVA
2160A_2021_WY	43°55'24.73919"	-110°59'51.61263"	2289.317	NVA
2160B_2021_WY	43°55'21.35686"	-110°59'49.62648"	2292.897	NVA
2161_2021_WY	44°23'27.73831"	-107°33'41.36399"	2033.495	NVA
2162_2021_WY	43°05'34.57229"	-105°02'40.14666"	1355.490	NVA
2163_2021_WY	44°25'01.27540"	-107°42'21.46791"	1683.158	NVA
2164_2021_WY	42°51'58.79585"	-105°04'19.87597"	1546.095	NVA
2165_2021_WY	42°59'15.20156"	-105°36'49.24002"	1566.844	NVA
2167_2021_WY	42°45'52.53608"	-105°59'31.62165"	1613.052	NVA
2167A_2021_WY	42°46'35.82824"	-105°58'07.24759"	1610.847	NVA
2168_2021_WY	43°25'18.47147"	-105°50'08.18287"	1558.203	NVA
2169_2021_WY	43°53'08.92377"	-107°59'34.58886"	1305.592	NVA
2171_2021_WY	44°13'49.30833"	-109°02'18.96660"	2004.117	NVA
2173_H_2021_WY	42°55'29.54626"	-105°45'31.90784"	1620.844	NVA
2174_2021_WY	44°05'37.30129"	-108°45'58.48870"	1762.134	NVA
2175_2021_WY	43°36'41.26578"	-110°27'14.64120"	2137.143	NVA
2175A_2021_WY	43°37'16.67866"	-110°28'48.75808"	2184.451	NVA
2176_H_2021_WY	42°47'57.48964"	-105°26'12.91112"	1462.778	HOR/NVA
2177_2021_WY	44°15'56.77039"	-105°18'43.62566"	1386.256	NVA
2178_2021_WY	44°02'21.34319"	-107°25'50.03474"	1351.667	NVA
2179_2021_WY	44°24'59.57824"	-107°33'08.36766"	2185.880	NVA
2180_H_2021_WY	42°51'36.67839"	-105°51'18.08909"	1516.085	HOR/NVA
2181_H_2021_WY	42°43'01.90458"	-105°17'52.36770"	1542.860	HOR/NVA
2182_2021_WY	43°44'57.86993"	-105°30'26.37229"	1484.627	HOR/NVA
2183_2021_WY	42°40'52.99203"	-105°01'37.19447"	1447.848	NVA
2184_2021_WY	43°17'53.73228"	-105°15'36.50804"	1400.397	NVA
2184A_2021_WY	43°19'13.15962"	-105°12'12.63791"	1389.464	DIRT
2186_2021_WY	43°43'25.49397"	-105°21'44.95230"	1433.229	NVA
2187_2021_WY	44°22'48.82396"	-107°59'36.33905"	1262.372	NVA
2188_H_2021_WY	42°43'40.01968"	-105°19'12.57220"	1539.507	HOR/NVA
2190_H_2021_WY	42°40'37.73733"	-105°23'51.20834"	1446.463	HOR/NVA
2191_H_2021_WY	42°45'23.37975"	-105°23'51.05318"	1450.123	HOR/NVA
2192_2021_WY	43°39'41.13977"	-105°28'08.00400"	1500.789	HOR/NVA
2193_2021_WY	43°38'49.44284"	-105°21'08.68742"	1468.634	NVA
2194_2021_WY	43°17'55.76185"	-105°20'00.85323"	1400.559	NVA
2195_2021_WY	44°28'39.44090"	-108°44'03.03867"	1517.951	NVA
2196_2021_WY	44°16'07.00334"	-107°33'19.13424"	1419.030	NVA
2197_2021_WY	43°45'24.08863"	-105°29'23.34410"	1490.386	HOR/NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2198_2021_WY	44°39'20.59947"	-105°06'51.39306"	1228.842	NVA
2200_H_2021_WY	42°48'03.80766"	-105°20'49.39100"	1494.756	HOR/NVA
2201_2021_WY	42°53'52.20140"	-105°39'10.68264"	1556.592	NVA
2201A_2021_WY	42°56'22.94938"	-105°38'20.84719"	1614.201	NVA
2202_H_2021_WY	43°21'39.36827"	-105°23'01.11202"	1479.158	NVA
2203_2021_WY	44°28'32.26221"	-108°42'10.49471"	1496.837	NVA
2204_2021_WY	43°55'17.68504"	-105°22'16.31326"	1437.930	HOR/NVA
2205_2021_WY	42°27'26.05985"	-105°26'49.90957"	1723.250	NVA
2206_2021_WY	43°47'45.91340"	-110°22'18.97771"	2394.056	NVA
2208_2021_WY	42°24'22.98482"	-105°24'01.61589"	1964.508	NVA
2209_2021_WY	42°37'12.43825"	-105°23'51.76837"	1538.353	NVA
2210_2021_WY	44°09'05.97115"	-108°51'30.29854"	1776.739	NVA
2211_2021_WY	44°27'43.44971"	-107°52'07.19315"	1246.633	NVA
2212_2021_WY	43°35'10.89696"	-105°49'51.72925"	1623.487	HOR/NVA
2213_2021_WY	43°14'03.08201"	-105°02'09.81157"	1409.756	NVA
2214_H_2021_WY	42°46'09.25846"	-105°22'49.78266"	1454.346	HOR/NVA
2215_2021_WY	42°46'56.56906"	-105°30'55.97780"	1529.591	NVA
2216_2021_WY	42°44'14.37218"	-105°25'54.07851"	1505.085	NVA
2217_2021_WY	44°08'46.24569"	-107°40'03.17569"	1325.966	NVA
2218_2021_WY	43°23'37.92762"	-105°23'55.91445"	1529.973	NVA
2219_2021_WY	42°47'20.94598"	-105°30'55.98276"	1524.521	NVA
2222_2021_WY	42°52'34.69990"	-105°04'02.79429"	1532.755	NVA
2223_2021_WY	42°51'29.13410"	-105°40'09.34696"	1488.969	NVA
2224_2021_WY	43°49'38.19661"	-110°19'15.83923"	2343.566	NVA
2225_2021_WY	43°43'23.80813"	-105°27'01.31400"	1487.407	HOR/NVA
2226_2021_WY	43°59'27.37819"	-107°16'16.46593"	1727.452	NVA
2227_2021_WY	44°14'29.73239"	-108°30'46.50467"	1502.579	NVA
2227A_2021_WY	44°11'13.65644"	-108°23'35.69276"	1376.742	NVA
2228_2021_WY	44°26'38.32289"	-109°25'36.98756"	1872.627	NVA
2229_H_2021_WY	42°46'53.81314"	-105°22'56.91797"	1478.956	HOR/NVA
2230_2021_WY	44°24'33.10072"	-107°38'24.82622"	1847.075	NVA
2231A_2021_WY	44°11'45.96331"	-108°53'34.31166"	1753.517	NVA
2232_2021_WY	43°41'10.55672"	-110°34'53.14997"	2173.564	NVA
2233_2021_WY	42°44'54.20519"	-105°19'20.96302"	1521.643	NVA
2234_2021_WY	43°58'22.03257"	-107°09'41.62234"	2299.762	NVA
2235_2021_WY	42°38'30.35600"	-105°30'48.28531"	1593.350	NVA
2236_2021_WY	44°18'03.19404"	-108°57'55.93422"	1804.677	NVA
2239_2021_WY	42°26'10.49147"	-105°22'12.22442"	1884.926	NVA
2240_2021_WY	43°25'01.93121"	-105°03'23.82686"	1317.155	NVA
2241_2021_WY	42°44'42.18147"	-105°06'22.60970"	1468.638	NVA
2242_H_2021_WY	43°12'52.94220"	-105°42'00.97195"	1553.575	HOR/NVA
2243_2021_WY	43°46'14.36133"	-105°28'32.20347"	1514.149	NVA
2244_2021_WY	42°50'08.24241"	-105°51'21.25897"	1551.362	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2245_2021_WY	43°16'46.65146"	-104°59'44.51259"	1465.568	NVA
2246_2021_WY	44°20'23.34528"	-107°36'13.29349"	1480.184	NVA
2247_2021_WY	42°57'42.55393"	-105°37'03.83227"	1560.860	HOR/NVA
2248_2021_WY	43°43'36.18323"	-105°29'14.00335"	1490.386	NVA
2248A_2021_WY	43°43'46.53413"	-105°33'57.85762"	1548.645	NVA
2249_2021_WY	42°28'31.62501"	-105°59'36.86425"	2381.320	NVA
2250_2021_WY	42°32'04.94508"	-105°24'57.67943"	1544.635	NVA
2251_2021_WY	44°16'34.36234"	-107°31'37.61596"	1473.419	NVA
2253_2021_WY	43°54'48.95972"	-105°21'22.02539"	1451.700	NVA
2254_2021_WY	43°51'26.56893"	-107°54'42.39334"	1297.253	NVA
2255_2021_WY	44°05'15.53635"	-109°16'54.69473"	2638.987	NVA
2256_2021_WY	43°06'00.19607"	-105°36'34.57396"	1649.071	NVA
2256A_2021_WY	43°06'29.56805"	-105°42'47.01823"	1697.946	NVA
2257_2021_WY	42°37'24.38511"	-105°30'50.69779"	1594.118	NVA
2258_2021_WY	43°51'13.80396"	-105°27'37.74161"	1434.602	NVA
2259_2021_WY	44°05'28.08586"	-109°05'22.49419"	1967.018	NVA
2260_2021_WY	43°47'46.69566"	-110°15'32.61380"	2575.150	NVA
2261_2021_WY	43°22'19.89849"	-105°07'25.69318"	1410.261	NVA
2262_2021_WY	43°05'57.88006"	-105°28'14.03669"	1631.791	NVA
2263_2021_WY	42°56'48.39682"	-105°35'54.32347"	1560.621	HOR/NVA
2264_2021_WY	42°39'23.80357"	-105°51'25.42828"	1997.690	NVA
2266_2021_WY	42°41'08.82699"	-105°14'09.71790"	1471.417	NVA
2266A_2021_WY	42°39'39.85573"	-105°12'24.89544"	1443.726	NVA
2267_2021_WY	42°28'34.02475"	-105°26'17.76116"	1664.891	NVA
2268_H_2021_WY	43°58'00.72366"	-108°07'30.54545"	1318.494	NVA
2269_2021_WY	44°31'53.90178"	-105°57'18.99548"	1175.030	NVA
2271_H_2021_WY	42°47'35.10837"	-105°35'59.51235"	1542.165	HOR/NVA
2272_H_2021_WY	43°08'01.92400"	-105°15'33.53019"	1434.928	HOR/NVA
2273_2021_WY	43°38'08.40693"	-105°17'01.09226"	1445.135	NVA
2274_2021_WY	42°49'29.71821"	-105°17'03.08505"	1549.818	NVA
2275_2021_WY	43°08'56.39886"	-105°50'25.07541"	1671.297	NVA
2276_2021_WY	42°44'35.90751"	-105°05'13.09888"	1481.994	NVA
2277_2021_WY	43°53'19.12875"	-105°27'09.18337"	1424.851	NVA
2278_2021_WY	42°49'43.33144"	-105°19'07.91491"	1520.321	NVA
2279_H_2021_WY	42°44'58.52342"	-105°21'49.76781"	1474.808	HOR/NVA
2280_2021_WY	44°16'39.37594"	-109°27'57.71502"	1936.251	NVA
2282_2021_WY	42°40'25.26071"	-105°47'01.85650"	2009.805	NVA
2284_2021_WY	44°24'56.77691"	-105°27'14.99197"	1264.817	HOR/NVA
2285_2021_WY	42°49'04.68454"	-105°42'22.34351"	1526.213	NVA
2286_2021_WY	43°49'16.45286"	-110°14'47.41895"	2466.160	NVA
2287_2021_WY	43°17'57.64298"	-105°52'51.77246"	1633.569	NVA
2289A_2021_WY	44°16'44.94037"	-108°53'31.45712"	1716.988	NVA
2290_2021_WY	42°39'36.82923"	-105°40'47.98406"	1745.338	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2291_2021_WY	43°23'52.93946"	-105°21'33.22533"	1479.252	NVA
2292_2021_WY	44°14'41.73731"	-105°40'52.51107"	1438.452	NVA
2293_2021_WY	44°10'18.28751"	-105°42'26.96828"	1487.593	NVA
2294_2021_WY	44°12'28.59066"	-105°50'49.99440"	1400.221	HOR/NVA
2295_2021_WY	44°13'30.17124"	-105°34'20.87937"	1433.821	NVA
2296_2021_WY	44°45'31.93850"	-107°46'37.65282"	2869.876	NVA
2297_2021_WY	44°18'13.69991"	-105°29'15.45699"	1379.040	HOR/NVA
2298_2021_WY	44°14'07.96670"	-105°44'26.49647"	1410.504	NVA
2299_2021_WY	44°41'08.32674"	-105°43'53.97195"	1248.347	HOR/NVA
2300_2021_WY	44°46'34.02330"	-105°41'11.65907"	1259.719	NVA
2301_2021_WY	44°26'04.12321"	-105°34'02.12137"	1268.033	NVA
2302_2021_WY	44°01'41.14716"	-105°27'50.82987"	1414.608	HOR/NVA
2303_2021_WY	44°17'33.24272"	-105°32'58.91774"	1397.210	HOR/NVA
2304_2021_WY	44°12'06.69309"	-105°21'36.82440"	1418.558	NVA
2305_2021_WY	44°47'09.89467"	-105°48'02.50766"	1243.845	NVA
2306_2021_WY	44°59'19.02311"	-105°29'07.84520"	1100.848	NVA
2307_H_2021_WY	44°16'37.35922"	-105°30'28.12079"	1377.336	HOR/NVA
2308_2021_WY	44°17'06.34964"	-105°21'36.29176"	1326.597	NVA
2309_2021_WY	44°17'14.46478"	-105°19'42.66931"	1323.376	HOR/NVA
2310_2021_WY	44°17'30.95933"	-105°14'44.75177"	1303.271	NVA
2311_2021_WY	44°03'35.04687"	-105°41'28.01044"	1491.097	NVA
2312_2021_WY	44°10'38.53176"	-105°54'09.84484"	1314.850	NVA
2313_2021_WY	44°35'49.14721"	-105°34'51.09032"	1181.495	NVA
2314_2021_WY	44°41'31.90376"	-105°13'12.25182"	1205.713	NVA
2315_2021_WY	44°55'40.60642"	-109°43'19.34651"	2149.819	NVA
2316_2021_WY	44°45'23.83848"	-105°17'24.06397"	1135.435	NVA
2317_2021_WY	44°42'29.13293"	-105°22'15.41573"	1101.349	NVA
2318_2021_WY	44°43'27.31642"	-105°32'51.14648"	1178.351	NVA
2319_2021_WY	44°13'45.88437"	-105°52'46.33023"	1456.865	NVA
2320_2021_WY	44°16'36.82626"	-105°50'17.36109"	1413.673	NVA
2321_2021_WY	44°32'35.32056"	-105°21'00.10928"	1164.963	NVA
2322_2021_WY	44°19'45.18425"	-105°15'49.08747"	1357.065	NVA
2323_2021_WY	44°17'16.11007"	-105°19'17.00618"	1323.303	HOR/NVA
2324_2021_WY	44°52'57.05562"	-109°15'12.26748"	1377.701	NVA
2325_2021_WY	44°27'14.06893"	-105°13'28.40275"	1200.534	NVA
2326_2021_WY	44°25'44.50869"	-105°13'32.42061"	1245.145	NVA
2326A_2021_WY	44°31'07.18377"	-105°13'59.85190"	1178.928	NVA
2327_2021_WY	44°41'36.69778"	-105°12'30.75792"	1231.587	NVA
2328_2021_WY	44°06'18.57220"	-105°20'45.76423"	1355.721	NVA
2329_2021_WY	43°37'52.47736"	-105°42'45.67578"	1587.931	VVA
2330_H_2021_WY	44°17'41.39995"	-105°31'50.69713"	1382.845	HOR/NVA
2331_2021_WY	44°43'52.24808"	-105°22'42.77032"	1087.871	HOR/NVA
2332_2021_WY	44°58'01.83136"	-109°49'33.09219"	2125.829	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2333_2021_WY	44°04'33.58879"	-105°43'41.50368"	1492.246	NVA
2334_2021_WY	44°05'07.83259"	-105°14'18.23914"	1325.752	HOR/NVA
2335_2021_WY	44°48'30.34634"	-105°40'35.32064"	1223.569	NVA
2336_2021_WY	44°48'05.66784"	-109°27'13.26636"	2109.186	NVA
2337_2021_WY	44°38'20.77856"	-105°12'24.67444"	1215.839	NVA
2338_2021_WY	44°07'57.66732"	-105°27'07.07797"	1375.099	HOR/NVA
2339_2021_WY	44°41'08.29192"	-109°38'30.72346"	2146.815	NVA
2340_2021_WY	44°26'30.43065"	-105°13'31.68641"	1214.048	NVA
2341_2021_WY	44°40'18.41009"	-105°58'57.55616"	1209.464	NVA
2342_2021_WY	44°47'46.58097"	-105°23'40.33955"	1073.430	NVA
2343_2021_WY	44°54'53.13210"	-109°10'44.97281"	1291.127	NVA
2344_2021_WY	44°42'40.80593"	-105°28'31.49267"	1161.060	NVA
2345_2021_WY	44°50'48.63555"	-105°53'43.44711"	1132.429	NVA
2346_2021_WY	44°42'27.84601"	-105°57'01.49369"	1247.263	HOR/NVA
2347_2021_WY	44°16'57.98060"	-105°31'31.70457"	1397.032	NVA
2348_2021_WY	44°00'09.82574"	-105°17'40.34909"	1391.572	NVA
2349_2021_WY	44°09'06.53904"	-105°26'44.34950"	1393.319	NVA
2350_2021_WY	44°48'45.20226"	-105°54'11.41637"	1191.512	NVA
2351_2021_WY	44°42'38.41161"	-108°52'37.46914"	1376.008	NVA
2352_2021_WY	44°30'14.86147"	-109°15'33.28001"	1652.623	HOR/NVA
2353_2021_WY	44°37'39.06524"	-105°42'18.69543"	1232.173	NVA
2354_2021_WY	44°09'43.09380"	-105°53'21.22340"	1378.185	NVA
2355_2021_WY	44°15'52.32400"	-105°31'45.03549"	1381.270	NVA
2356_2021_WY	44°13'45.21868"	-105°26'57.10375"	1395.553	NVA
2357_2021_WY	44°13'15.57220"	-105°27'24.01836"	1405.081	HOR/NVA
2358_2021_WY	44°39'07.13285"	-105°17'38.80306"	1128.131	NVA
2359_2021_WY	44°23'29.66235"	-105°13'32.96870"	1234.011	HOR/NVA
2360_2021_WY	44°17'22.26727"	-105°26'41.47424"	1353.306	HOR/NVA
2361_2021_WY	44°12'00.24492"	-105°20'14.50482"	1384.230	NVA
2362_2021_WY	43°50'36.58321"	-105°49'55.48675"	1554.442	NVA
2363_2021_WY	44°49'22.50373"	-105°41'02.57176"	1218.213	NVA
2364_2021_WY	44°33'16.28917"	-105°14'52.02127"	1157.066	NVA
2365_2021_WY	44°14'55.88401"	-105°28'43.99205"	1373.280	HOR/NVA
2366_2021_WY	44°13'07.49034"	-105°56'18.41476"	1407.362	NVA
2367_2021_WY	44°32'42.94034"	-105°24'00.94248"	1182.210	NVA
2368_2021_WY	44°27'50.59788"	-109°39'37.21587"	1823.021	HOR/NVA
2369_2021_WY	44°13'26.27155"	-105°44'47.42616"	1437.873	NVA
2370_2021_WY	44°45'14.32648"	-105°44'29.23216"	1226.666	NVA
2371_2021_WY	44°00'16.36116"	-105°38'58.10656"	1492.389	NVA
2372_2021_WY	44°31'12.58099"	-105°33'26.51161"	1254.823	NVA
2373_2021_WY	44°50'26.31459"	-108°19'52.65444"	1144.575	NVA
2374_2021_WY	44°18'40.74548"	-105°15'05.26299"	1319.942	NVA
2375_2021_WY	44°50'44.37198"	-109°37'29.89055"	1990.528	NVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

2376_2021_WY	43°49'22.53575"	-105°46'57.34628"	1533.952	NVA
2377_2021_WY	44°39'52.82617"	-105°33'32.42241"	1201.329	NVA
2378_2021_WY	44°13'31.52977"	-105°35'25.43629"	1445.055	NVA
2379_2021_WY	44°57'29.48415"	-105°48'32.14578"	1095.926	NVA
3002_2021_WY	43°51'24.92422"	-107°21'36.45567"	1409.233	VVA
3003_2021_WY	44°27'54.87898"	-108°54'31.60491"	1553.894	VVA
3004_2021_WY	44°54'54.38829"	-109°41'54.35821"	2077.255	VVA
3005_2021_WY	43°57'48.26643"	-107°30'54.49141"	1498.787	VVA
3006_2021_WY	44°17'35.48613"	-105°33'31.37168"	1401.900	VVA
3007_2021_WY	44°58'38.54635"	-105°41'50.63871"	1169.948	VVA
3008_2021_WY	43°35'48.19121"	-110°14'58.77119"	2645.014	VVA
3009_2021_WY	44°15'27.36004"	-105°18'00.79412"	1336.130	VVA
3010_2021_WY	44°54'52.32184"	-109°12'33.08493"	1343.042	VVA
3011_2021_WY	43°45'57.31192"	-107°46'55.96544"	1443.020	VVA
3012_2021_WY	44°51'53.71598"	-108°46'22.48286"	1523.058	VVA
3013_2021_WY	43°38'50.20842"	-107°18'01.71146"	1713.078	VVA
3014_2021_WY	44°34'48.13458"	-108°07'22.75747"	1146.213	VVA
3015_2021_WY	44°12'41.61005"	-107°31'33.02498"	1531.625	VVA
3016_2021_WY	43°41'59.58963"	-107°16'37.46559"	1594.706	VVA
3017_2021_WY	44°23'55.43141"	-109°17'29.49119"	1685.253	VVA
3018_2021_WY	44°41'28.62809"	-108°05'40.36328"	1191.004	VVA
3019_2021_WY	44°43'39.77622"	-105°18'43.45067"	1112.930	VVA
3020_2021_WY	44°50'34.12464"	-109°36'51.60732"	2008.691	VVA
3021_2021_WY	43°36'15.02391"	-107°24'38.43183"	1621.700	VVA
3022_2021_WY	44°06'31.03438"	-109°15'05.20826"	2225.251	VVA
3023_2021_WY	43°58'31.23943"	-108°58'25.54360"	2004.662	VVA
3024_2021_WY	44°24'06.91874"	-109°00'02.25747"	1655.183	VVA
3025_2021_WY	44°25'46.55314"	-108°50'00.79934"	1561.345	VVA
3026_2021_WY	44°48'27.48699"	-107°52'29.09369"	2761.120	VVA
3027_2021_WY	44°19'57.46360"	-105°12'31.10870"	1346.512	VVA
3028_2021_WY	43°48'21.78321"	-107°49'51.00373"	1318.191	VVA
3029_2021_WY	44°26'04.88588"	-109°13'41.05362"	1646.917	VVA
3030_2021_WY	44°13'38.81602"	-107°35'23.77770"	1368.727	VVA
3031_2021_WY	44°31'16.63388"	-107°30'44.64912"	2622.821	VVA
3032_2021_WY	43°36'24.99113"	-110°24'46.35740"	2145.129	VVA
3033_2021_WY	43°22'16.29186"	-105°12'03.37574"	1357.689	VVA
3033A_2021_WY	43°22'08.82787"	-105°12'03.15740"	1358.052	VVA
3034_2021_WY	44°06'11.33781"	-108°58'00.14582"	1852.621	VVA
3035_2021_WY	42°51'15.47337"	-105°29'33.36969"	1475.026	VVA
3036_2021_WY	44°01'46.72823"	-107°24'35.19816"	1425.940	VVA
3037_2021_WY	44°34'26.20009"	-107°32'25.14979"	2307.012	VVA
3038_2021_WY	43°56'58.97176"	-105°22'46.38237"	1407.785	VVA
3039_2021_WY	44°01'15.74804"	-107°48'23.38651"	1359.723	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3040_2021_WY	44°54'20.65490"	-109°12'52.90370"	1336.460	VVA
3041_2021_WY	44°01'10.45781"	-108°49'07.82655"	1814.029	VVA
3042_2021_WY	43°49'49.70998"	-110°18'17.84462"	2354.537	VVA
3043_2021_WY	43°41'58.24160"	-110°35'26.97058"	2393.367	VVA
3044_2021_WY	43°44'43.87736"	-105°47'05.52522"	1549.348	VVA
3045A_2021_WY	44°53'25.13077"	-108°41'28.33840"	1318.887	VVA
3046_2021_WY	42°53'09.17813"	-105°13'54.78904"	1552.511	VVA
3047_2021_WY	43°45'33.98745"	-107°14'20.32676"	1945.655	VVA
3048_2021_WY	44°08'16.45501"	-107°39'10.61428"	1349.197	VVA
3049_2021_WY	42°28'18.58686"	-105°59'26.54430"	2414.919	VVA
3050_2021_WY	43°55'35.23609"	-107°26'37.14176"	1411.226	VVA
3051_2021_WY	44°46'53.80341"	-108°46'17.31035"	1324.455	VVA
3052_2021_WY	44°39'45.72108"	-107°50'40.72106"	1535.973	VVA
3053_2021_WY	43°50'22.36109"	-105°21'53.90311"	1451.867	VVA
3054_2021_WY	42°28'19.53291"	-106°02'31.19872"	2326.007	VVA
3055_2021_WY	43°58'07.99158"	-107°11'56.04793"	2217.656	VVA
3056_2021_WY	43°25'18.38506"	-104°56'22.05901"	1319.007	VVA
3057_2021_WY	42°26'43.61369"	-105°57'17.99869"	2517.316	VVA
3058_2021_WY	43°49'20.87609"	-107°21'16.89969"	1481.631	VVA
3059_2021_WY	43°46'21.63207"	-107°40'50.87934"	1494.671	VVA
3060_2021_WY	43°46'35.35895"	-110°18'28.30213"	2462.780	VVA
3061_2021_WY	42°43'33.46002"	-105°22'42.33461"	1457.471	VVA
3063_2021_WY	43°51'14.50486"	-105°21'53.30634"	1450.204	VVA
3064_2021_WY	44°52'46.96874"	-109°10'43.21553"	1292.243	VVA
3065_2021_WY	44°55'49.81323"	-105°38'59.49655"	1228.602	VVA
3066A_2021_WY	44°05'14.89423"	-109°16'56.28384"	2647.542	VVA
3067_2021_WY	43°51'22.54191"	-107°17'16.54334"	1606.613	VVA
3068_2021_WY	43°55'31.36812"	-107°31'44.76667"	1501.128	VVA
3069_2021_WY	43°59'45.84259"	-108°09'55.74048"	1360.547	VVA
3070_2021_WY	42°45'06.82578"	-105°23'57.97338"	1449.871	VVA
3071_2021_WY	44°06'37.95384"	-107°16'00.71826"	1985.487	VVA
3072_2021_WY	44°54'20.77749"	-109°10'39.57894"	1293.031	VVA
3073_2021_WY	44°06'55.91335"	-109°15'22.83260"	2163.767	VVA
3074_2021_WY	44°06'17.16706"	-107°29'33.51497"	1353.011	VVA
3075_2021_WY	44°43'02.28782"	-109°21'24.51448"	2260.379	VVA
3076A_2021_WY	44°50'31.27175"	-109°37'26.03947"	1994.957	VVA
3078_2021_WY	44°57'52.01832"	-108°51'59.91305"	1351.551	VVA
3079_2021_WY	44°06'55.75814"	-108°17'35.32752"	1372.746	VVA
3080_2021_WY	44°00'48.72230"	-108°22'26.68675"	1466.806	VVA
3081_2021_WY	43°27'54.31177"	-110°43'48.76612"	1954.720	VVA
3082_2021_WY	44°58'03.05151"	-108°42'41.08823"	1435.093	VVA
3083_2021_WY	42°46'11.54157"	-105°24'23.65784"	1463.299	VVA
3084_2021_WY	44°34'29.79029"	-109°01'09.13708"	1527.581	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3085_2021_WY	42°47'45.60093"	-105°36'48.27333"	1570.934	VVA
3086_2021_WY	42°38'18.24586"	-105°30'41.18204"	1579.910	VVA
3087_2021_WY	44°40'58.11777"	-105°14'46.19433"	1170.099	VVA
3088_2021_WY	42°30'33.84092"	-105°47'35.65912"	2206.745	VVA
3089_2021_WY	44°57'00.94706"	-109°09'49.30263"	1309.523	VVA
3090_2021_WY	43°43'53.12209"	-107°39'11.31097"	1419.371	VVA
3091_2021_WY	44°49'56.94002"	-109°36'51.81508"	2021.926	VVA
3093_2021_WY	44°45'30.62149"	-108°58'37.43924"	1491.045	VVA
3094_2021_WY	43°48'22.20898"	-110°09'53.44885"	2622.211	VVA
3095_2021_WY	43°21'16.22257"	-110°26'38.37025"	2081.668	VVA
3096_2021_WY	43°46'25.16868"	-110°14'00.80057"	2540.478	VVA
3097_2021_WY	43°31'03.71598"	-110°35'29.58302"	2669.252	VVA
3098_2021_WY	44°27'30.14898"	-109°51'42.44799"	1960.258	VVA
3099_2021_WY	44°27'12.36183"	-109°45'33.10034"	1893.803	VVA
3100_2021_WY	43°45'50.43728"	-110°29'14.29539"	2246.298	VVA
3101_2021_WY	43°50'49.41459"	-110°15'39.64765"	2186.145	VVA
3102_2021_WY	42°21'23.61458"	-105°26'43.53827"	1953.166	VVA
3104_2021_WY	42°44'47.55848"	-105°53'26.58505"	1952.351	VVA
3105_2021_WY	43°32'12.68843"	-110°33'34.17945"	2258.897	VVA
3106_2021_WY	43°55'25.14792"	-110°59'50.88542"	2286.154	VVA
3107_2021_WY	44°05'04.40539"	-107°18'29.77748"	1647.131	VVA
3108_2021_WY	43°51'37.45664"	-110°58'54.97078"	2337.069	VVA
3109_2021_WY	44°19'03.64524"	-105°27'00.08806"	1361.361	VVA
3110_2021_WY	44°13'56.78342"	-105°35'19.10092"	1434.891	VVA
3111_2021_WY	44°45'38.57771"	-108°43'47.10956"	1312.330	VVA
3112_2021_WY	43°44'59.67154"	-105°47'11.89508"	1562.748	VVA
3113_2021_WY	44°19'01.82979"	-105°40'43.45071"	1410.180	VVA
3114_2021_WY	44°51'45.72614"	-105°36'58.15698"	1231.797	VVA
3115_2021_WY	44°15'06.90426"	-105°32'29.88531"	1405.868	VVA
3116_2021_WY	44°14'52.02522"	-105°35'28.81697"	1419.631	VVA
3118_2021_WY	44°13'02.91287"	-105°07'36.96724"	1333.625	VVA
3119_2021_WY	44°22'31.15301"	-108°19'36.24464"	1279.466	VVA
3120_2021_WY	43°18'44.77538"	-104°57'32.22173"	1366.085	VVA
3121_2021_WY	43°52'40.78210"	-105°19'26.73156"	1425.240	VVA
3122_2021_WY	43°03'16.04755"	-105°21'22.38371"	1529.734	VVA
3122A_2021_WY	43°04'46.50762"	-105°24'54.96084"	1503.610	VVA
3123_2021_WY	44°07'46.23920"	-107°31'24.46357"	1329.680	VVA
3124_2021_WY	44°15'00.39986"	-105°30'00.20010"	1386.488	VVA
3125_2021_WY	44°48'47.12392"	-108°21'45.11260"	1172.846	VVA
3126_2021_WY	44°29'05.64992"	-105°33'43.74874"	1268.084	VVA
3127_2021_WY	43°46'13.80635"	-105°41'05.42001"	1487.873	VVA
3128_2021_WY	42°46'00.48111"	-105°12'41.91773"	1592.085	VVA
3129_2021_WY	44°25'54.92007"	-109°10'01.47284"	1731.717	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3130_2021_WY	44°14'36.50483"	-105°34'07.79343"	1407.895	VVA
3131_2021_WY	43°06'29.59084"	-105°00'34.69319"	1359.129	VVA
3132_2021_WY	42°49'29.22121"	-105°18'26.10061"	1531.519	VVA
3133_2021_WY	44°25'24.10709"	-109°16'42.97870"	1698.121	VVA
3134_2021_WY	43°56'49.20548"	-105°38'54.45881"	1510.620	VVA
3135_2021_WY	43°51'02.72278"	-107°53'58.59754"	1297.983	VVA
3136_2021_WY	44°13'01.26015"	-105°33'28.07826"	1452.722	VVA
3137_2021_WY	44°45'59.40583"	-109°26'36.90849"	1960.842	VVA
3138_2021_WY	44°01'46.93628"	-108°01'36.60053"	1241.913	VVA
3139_2021_WY	44°09'21.38227"	-105°35'14.11761"	1422.690	VVA
3140_2021_WY	44°23'25.75640"	-109°17'34.04290"	1700.332	VVA
3141_2021_WY	44°24'08.20083"	-108°55'13.52924"	1614.920	VVA
3142_2021_WY	44°28'42.29460"	-109°22'01.01944"	1662.226	VVA
3144_2021_WY	42°58'01.03982"	-105°51'08.79292"	1623.919	VVA
3145_2021_WY	42°54'24.88198"	-105°33'22.37265"	1519.532	VVA
3146_2021_WY	42°49'05.46604"	-105°42'25.46446"	1528.674	VVA
3147_2021_WY	44°10'06.88122"	-107°53'06.86349"	1208.720	VVA
3148_2021_WY	43°52'11.03336"	-105°47'21.19863"	1551.809	VVA
3149_2021_WY	44°38'14.16915"	-108°36'25.85240"	1306.742	VVA
3150_2021_WY	44°52'43.12692"	-108°36'01.71144"	1246.586	VVA
3151_2021_WY	42°58'31.64906"	-105°51'22.84606"	1625.643	VVA
3151A_2021_WY	42°59'59.73779"	-105°50'44.70258"	1651.074	VVA
3152_2021_WY	44°01'41.65966"	-105°27'35.04405"	1405.630	VVA
3153_2021_WY	42°51'45.54197"	-105°58'46.44031"	1525.190	VVA
3154_2021_WY	44°20'49.30544"	-105°41'28.35952"	1376.472	VVA
3155_2021_WY	44°10'58.68613"	-105°35'54.34789"	1459.450	VVA
3156_2021_WY	44°55'55.74230"	-109°08'46.24862"	1263.281	VVA
3157_2021_WY	43°33'32.67754"	-107°17'08.03865"	2119.734	VVA
3158_2021_WY	44°14'39.42090"	-105°36'04.07666"	1413.921	VVA
3159_2021_WY	44°17'12.40117"	-105°50'01.55665"	1405.381	VVA
3160_2021_WY	43°57'52.81344"	-108°01'36.63859"	1249.711	VVA
3161_2021_WY	44°55'08.95609"	-105°10'14.95606"	1169.340	VVA
3162_2021_WY	42°29'23.65223"	-105°24'20.16046"	1643.057	VVA
3163_2021_WY	44°06'54.46449"	-105°56'11.43362"	1436.710	VVA
3164_2021_WY	44°10'43.78692"	-107°32'55.00065"	1403.038	VVA
3165_2021_WY	44°41'42.34819"	-109°12'28.81654"	1584.884	VVA
3166_2021_WY	44°03'11.43626"	-107°19'03.05896"	1894.368	VVA
3167_2021_WY	44°45'16.56810"	-108°55'17.03529"	1434.350	VVA
3168_2021_WY	44°28'02.61117"	-109°24'59.39636"	1703.896	VVA
3169_2021_WY	43°31'32.03099"	-105°26'51.07744"	1447.578	VVA
3170_2021_WY	43°20'27.76611"	-105°12'02.25327"	1376.162	VVA
3171_2021_WY	44°04'06.47097"	-107°22'08.68480"	1462.821	VVA
3172_2021_WY	44°12'53.21324"	-105°21'31.83001"	1385.683	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3173_2021_WY	44°14'10.79670"	-108°30'35.15894"	1491.316	VVA
3173A_2021_WY	44°12'16.21260"	-108°30'08.47073"	1425.856	VVA
3175_2021_WY	44°14'51.46323"	-107°58'10.56634"	1201.802	VVA
3176_2021_WY	44°54'52.20475"	-109°11'58.69260"	1320.694	VVA
3177_2021_WY	44°25'04.20714"	-108°21'50.31857"	1294.729	VVA
3178_2021_WY	43°53'20.51291"	-107°59'43.54912"	1294.023	VVA
3179_2021_WY	42°51'14.75943"	-105°09'35.58767"	1549.363	VVA
3180_2021_WY	44°33'35.53128"	-109°01'47.06567"	1522.641	VVA
3181_2021_WY	44°56'01.21244"	-109°05'17.49782"	1259.081	VVA
3182_2021_WY	42°49'30.84032"	-105°16'33.64815"	1558.343	VVA
3183_2021_WY	44°06'48.57465"	-108°00'33.55401"	1313.015	VVA
3184_2021_WY	43°16'01.94887"	-105°22'43.22427"	1419.877	VVA
3185_2021_WY	44°24'58.43601"	-108°16'55.24606"	1278.058	VVA
3186_2021_WY	44°00'08.66505"	-107°46'59.51629"	1345.170	VVA
3187_2021_WY	43°40'45.54418"	-105°45'35.78141"	1588.848	VVA
3188_2021_WY	44°30'27.20683"	-105°38'20.62436"	1250.692	VVA
3189_2021_WY	43°57'28.16484"	-105°22'58.02313"	1401.976	VVA
3190_2021_WY	44°18'28.69235"	-105°14'42.82658"	1317.864	VVA
3191_2021_WY	44°17'25.31568"	-105°21'15.75656"	1332.840	VVA
3192_2021_WY	44°00'25.36650"	-107°36'50.60436"	1387.690	VVA
3193_2021_WY	44°06'39.06731"	-107°30'27.19527"	1334.455	VVA
3194_2021_WY	44°19'36.55864"	-105°41'39.23713"	1401.610	VVA
3195_2021_WY	43°35'32.10303"	-105°23'12.61561"	1444.749	VVA
3196_2021_WY	43°34'38.86422"	-105°08'57.54799"	1519.790	VVA
3197_2021_WY	44°11'52.17155"	-105°38'31.05307"	1449.658	VVA
3198_2021_WY	44°27'26.37372"	-105°52'29.89748"	1230.416	VVA
3199_2021_WY	44°19'19.32093"	-105°41'38.03603"	1399.548	VVA
3200_2021_WY	44°42'37.52825"	-105°30'17.05623"	1150.027	VVA
3201_2021_WY	44°21'17.30794"	-105°46'07.90874"	1370.600	VVA
3202_2021_WY	44°27'10.79185"	-108°27'08.60846"	1351.753	VVA
3203_2021_WY	44°19'54.12521"	-105°40'55.65064"	1406.536	VVA
3204_2021_WY	44°58'07.10368"	-108°17'30.02989"	1137.395	VVA
3205_2021_WY	43°44'36.30127"	-107°12'14.79075"	2101.359	VVA
3206_2021_WY	44°28'05.86676"	-109°25'58.43674"	1703.554	VVA
3207_2021_WY	44°42'16.02811"	-108°45'34.59316"	1304.659	VVA
3208_2021_WY	43°49'57.15699"	-107°46'04.98558"	1453.015	VVA
3209_2021_WY	43°43'05.25394"	-105°57'49.33528"	1562.566	VVA
3210_2021_WY	43°54'23.23862"	-108°05'57.30264"	1273.061	VVA
3211_2021_WY	42°20'05.89077"	-105°28'09.12226"	2113.157	VVA
3212_2021_WY	44°23'41.95658"	-105°13'34.73332"	1233.146	VVA
3213_2021_WY	44°13'37.87884"	-105°52'04.83428"	1440.731	VVA
3214_2021_WY	44°45'53.52099"	-108°43'10.09642"	1308.199	VVA
3215_2021_WY	44°52'45.00486"	-108°41'30.20770"	1288.257	VVA

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

3216_2021_WY	43°44'21.57322"	-105°05'46.34042"	1357.041	VVA
3217_2021_WY	44°16'23.61062"	-105°50'22.11636"	1427.729	VVA
3218_2021_WY	44°03'47.63662"	-107°42'43.12932"	1414.978	VVA
3219_2021_WY	42°44'37.81701"	-105°06'06.02568"	1476.355	VVA
3220_2021_WY	44°14'21.05806"	-105°47'11.84962"	1470.412	VVA
3222_2021_WY	44°10'52.92751"	-105°44'26.70688"	1508.681	VVA
3223_2021_WY	42°32'09.05585"	-105°44'49.49974"	2160.039	VVA
3224_2021_WY	42°41'31.48190"	-105°47'45.70376"	1969.022	VVA
3225_2021_WY	44°30'45.00484"	-107°44'20.40026"	1345.726	VVA
3226_2021_WY	44°20'23.17594"	-105°59'25.77583"	1400.188	VVA
3227_2021_WY	44°08'51.83010"	-107°53'16.52310"	1212.685	VVA
3228_2021_WY	44°05'14.72202"	-105°36'08.70440"	1416.330	VVA
3229_2021_WY	42°50'26.22254"	-105°51'24.32094"	1534.853	VVA
3230_2021_WY	43°15'16.10644"	-105°15'36.02930"	1418.811	VVA
3231_2021_WY	44°00'18.28856"	-108°27'16.65152"	1502.036	VVA
3232_2021_WY	43°02'26.79243"	-105°18'04.26752"	1491.146	VVA
3233_2021_WY	43°50'57.52605"	-105°41'19.29531"	1486.836	VVA
3234_2021_WY	42°39'36.42189"	-105°49'58.01883"	1959.591	VVA
3235_2021_WY	44°20'36.10497"	-105°41'59.04197"	1401.059	VVA
3236_2021_WY	44°43'58.17103"	-105°24'41.29396"	1115.379	VVA
3238_2021_WY	43°05'49.38664"	-105°51'24.93852"	1685.584	VVA
3239_2021_WY	44°20'15.96805"	-108°41'10.89206"	1510.330	VVA
3240_2021_WY	43°58'03.81940"	-107°34'11.76863"	1489.144	VVA
3241_2021_WY	44°16'38.80631"	-109°27'57.50629"	1935.345	VVA
3242_2021_WY	43°25'20.24027"	-105°23'41.81089"	1467.570	VVA
3243_2021_WY	44°01'51.89870"	-105°43'13.54578"	1496.882	VVA
3245_2021_WY	44°34'14.56915"	-109°03'05.69433"	1533.730	VVA
3246_2021_WY	43°55'16.32298"	-105°22'14.68490"	1437.668	VVA
3247_2021_WY	42°50'13.14859"	-105°48'40.56720"	1508.967	VVA
3248_2021_WY	44°30'22.24649"	-105°06'06.46789"	1223.281	VVA
3249_2021_WY	44°07'33.06950"	-109°38'06.93147"	1981.575	VVA
3250_2021_WY	43°19'13.94746"	-105°12'12.50513"	1389.056	VVA
3251_2021_WY	44°58'50.62525"	-105°12'00.84366"	1144.993	VVA
3253_2021_WY	42°46'10.12239"	-104°55'40.42328"	1512.869	VVA
3254_2021_WY	44°54'17.94756"	-108°33'34.79660"	1229.333	VVA
3255_2021_WY	43°55'15.47270"	-105°23'57.84970"	1423.762	VVA
3256_2021_WY	44°44'13.53000"	-105°58'27.82170"	1220.591	VVA
3257_2021_WY	43°43'35.16470"	-105°59'47.09122"	1517.111	VVA
3258_2021_WY	42°40'52.16877"	-105°05'25.35016"	1470.585	VVA
3259_2021_WY	43°59'58.95722"	-107°54'12.95121"	1278.253	VVA
3260_2021_WY	44°40'49.26668"	-108°34'46.78325"	1279.109	VVA

3. GPS Control Diagram

Image 3.1 Overview of the Lidar Control Network

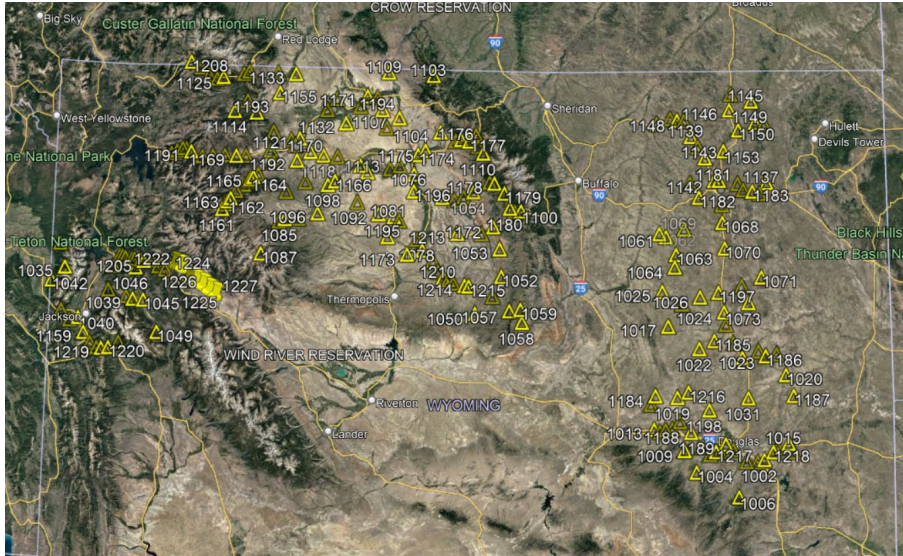


Image 3.2 Overview of the Lidar NVA Network

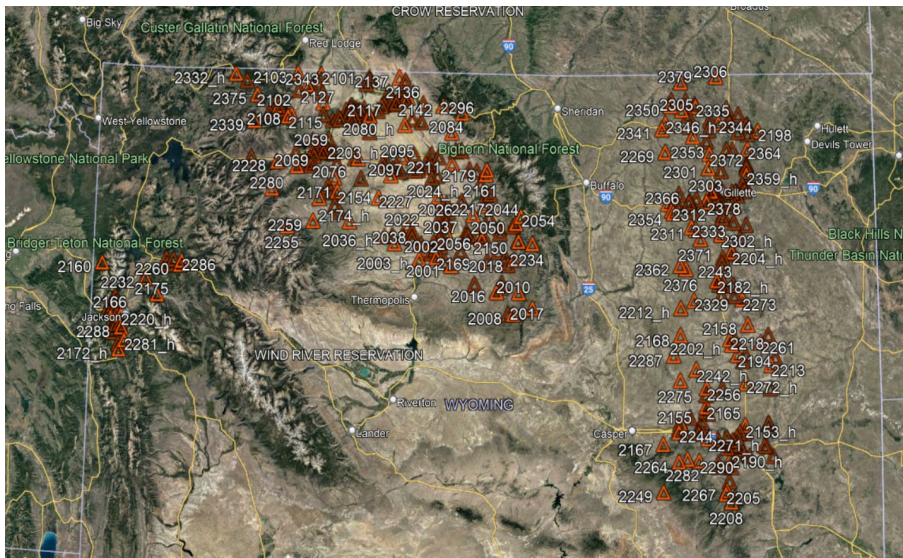
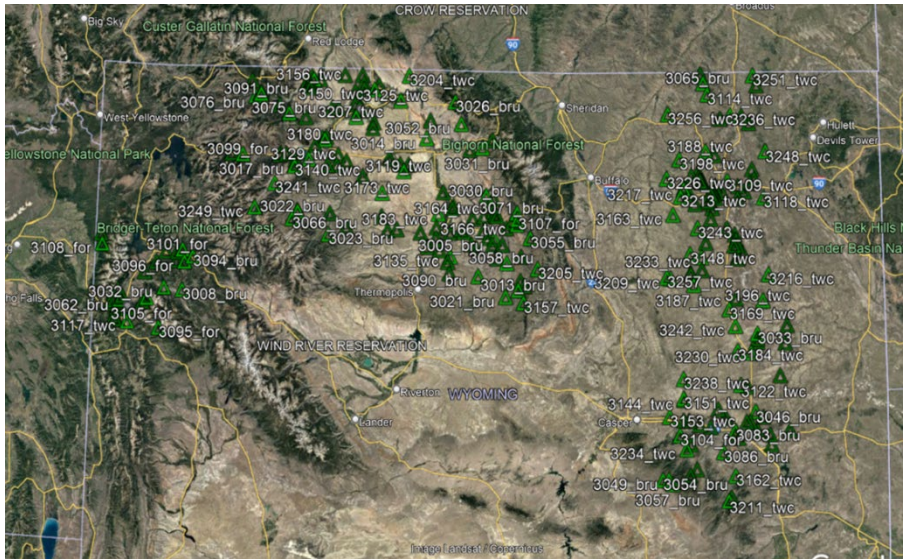


Image 3.3 Overview of the Lidar VVA Network



Not to Scale

4. NGS Datasheets

Below are the published National Geodetic Survey (NGS) datasheets for those existing monumented control stations used to establish 3-dimensional coordinates for each of the newly established project ground control survey points.

National Geodetic Survey, Retrieval Date = AUGUST 11, 2021

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OW0158 *****
OW0158 FBN - This is a Federal Base Network Control Station.
OW0158 DESIGNATION - A 47
OW0158 PID - OW0158
OW0158 STATE/COUNTY- WY/FREMONT
OW0158 COUNTRY - US
OW0158 USGS QUAD - MASON DRAW (2017)
OW0158
OW0158 *CURRENT SURVEY CONTROL
OW0158
OW0158* NAD 83(2011) POSITION- 43 30 39.26756(N) 109 34 14.50803(W) ADJUSTED
OW0158* NAD 83(2011) ELLIP HT- 2082.818 (meters) (06/27/12) ADJUSTED
OW0158* NAD 83(2011) EPOCH - 2010.00
OW0158* NAVD 88 ORTHO HEIGHT - 2090.984 (meters) 6860.17 (feet) ADJUSTED
OW0158
OW0158 GEOID HEIGHT - -8.427 (meters) GEOID18
OW0158 NAD 83(2011) X - -1,552,440.150 (meters) COMP
OW0158 NAD 83(2011) Y - -4,366,824.443 (meters) COMP
OW0158 NAD 83(2011) Z - 4,370,274.749 (meters) COMP
OW0158 LAPLACE CORR - -7.62 (seconds) DEFLEC18
OW0158 DYNAMIC HEIGHT - 2089.552 (meters) 6855.47 (feet) COMP
OW0158 MODELED GRAVITY - 979,859.7 (mgal) NAVD 88
OW0158
OW0158 VERT ORDER - SECOND CLASS 0
OW0158
OW0158 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OW0158 Standards:
OW0158 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
OW0158 Horiz Ellip SD_N SD_E SD_h (unitless)
OW0158 -----
OW0158 NETWORK 0.65 1.71 0.27 0.26 0.87 -0.06333201
OW0158 -----
OW0158 Click here for local accuracies and other accuracy information.
OW0158
OW0158
OW0158.The horizontal coordinates were established by GPS observations
OW0158.and adjusted by the National Geodetic Survey in June 2012.
OW0158
OW0158.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OW0158.been affixed to the stable North American tectonic plate. See
OW0158.NA2011 for more information.
OW0158
OW0158.The horizontal coordinates are valid at the epoch date displayed above
OW0158.which is a decimal equivalence of Year/Month/Day.
OW0158
OW0158.The orthometric height was determined by differential leveling and
OW0158.adjusted by the NATIONAL GEODETIC SURVEY
OW0158.in June 1991.
    
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Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

OW0158_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 OW0158+SATELLITE: SATELLITE OBSERVATIONS - December 29, 2004

OW0158

OW0158	HISTORY	- Date	Condition	Report By
OW0158	HISTORY	- 1934	MONUMENTED	CGS
OW0158	HISTORY	- 19930717	GOOD	NGS
OW0158	HISTORY	- 19990714	GOOD	NGS
OW0158	HISTORY	- 20041229	GOOD	INDIV

OW0158
 OW0158 STATION DESCRIPTION

OW0158
 OW0158'DESCRIBED BY COAST AND GEODETIC SURVEY 1934
 OW0158'4.2 MI E FROM DUBOIS.
 OW0158'ABOUT 4.2 MILES EAST ALONG U.S. HIGHWAY 287 FROM THE WELTY STORE AT
 OW0158'DUBOIS, FREMONT COUNTY, ABOUT 0.2 MILE EAST OF THE BRIDGE OVER JAKEYS
 OW0158'FORK, 47.0 FEET NORTHWEST OF THE CENTER LINE OF THE HIGHWAY, IN THE
 OW0158'TOP OF A LARGE FLAT GRANITE ROCK, AND ABOUT 5.5 FEET HIGHER THAN THE
 OW0158'HIGHWAY. A STANDARD DISK, STAMPED A 47 1934.

OW0158
 OW0158 STATION RECOVERY (1993)

OW0158
 OW0158'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)
 OW0158'STATION IS LOCATED ABOUT 6 KM (3.70 MI) SOUTHEAST OF DUBOIS, 0.4 KM
 OW0158'(0.25 MI) SOUTHWEST OF US HIGHWAY 26, ALONG A DIRT ROAD LEADING TO A
 OW0158'STATE FISH HATCHERY, ON A VERY SLIGHT NORTHEAST-SOUTHWEST RIDGE, IN
 OW0158'THE SOUTHWEST 1/4 OF SECTION 15, T 41 N, R 106 W. OWNERSHIP--UNKNOWN.
 OW0158'TO REACH FROM THE POST OFFICE IN THE NORTHWEST SECTION OF DUBOIS, GO
 OW0158'EAST ON US HIGHWAYS 26 AND 287 FOR 1.11 KM (0.70 MI) TO A CROSS
 OW0158'STREET. TURN RIGHT, SOUTH, ON THE HIGHWAYS FOR 5.96 KM (3.70 MI) TO A
 OW0158'BRIDGE AT MILE 59.20. CONTINUE AHEAD FOR 0.20 KM (0.10 MI) TO A DIRT
 OW0158'CROSSROAD. TURN RIGHT, SOUTHWEST, FOR 30 M (98.4 FT) TO A FORK. BEAR
 OW0158'RIGHT, SOUTHERLY, ON FISH HATCHERY ROAD FOR 0.35 KM (0.20 MI) TO A
 OW0158'REVERSE FORK LEFT JUST PAST TOP OF LOW RISE AND STATION ON THE RIGHT.
 OW0158'STATION MARK IS SET IN A DRILL HOLE IN AN 0.7 M (2.3 FT) X 0.9 M (3.0
 OW0158'FT) GRANITE OUTCROP PROJECTING 15 CM ABOVE GROUND ON ITS SOUTHEAST
 OW0158'SIDE. IT IS 13.9 M (45.6 FT) NORTHWEST OF, AND 1.5 M (4.9 FT) HIGHER
 OW0158'THAN THE ROAD CENTER, 0.9 M (3.0 FT) EAST OF A FIBERGLASS WITNESS
 OW0158'POST, 0.4 M (1.3 FT) NORTH OF THE SOUTH END OF THE OUTCROP, AND 1 M
 OW0158'(3.3 FT) SOUTHEAST OF THE EXTENDED CENTER OF ROAD LEADING TO THE
 OW0158'NORTHEAST. DESCRIBED BY G.R.HEID

OW0158
 OW0158 STATION RECOVERY (1999)

OW0158
 OW0158'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)
 OW0158'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. RECOVERED IN GOOD
 OW0158'CONDITION AND AS PREVIOUSLY DESCRIBED.

OW0158
 OW0158 STATION RECOVERY (2004)

OW0158
 OW0158'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2004 (CDH)
 OW0158'MARK RECOVERED AS DESCRIBED, HAS A NGS CARSONITE POST ALONGSIDE AND IS
 OW0158'25 FEET WEST OF PRIVATE ROAD TO CM RANCH (DUDE GUEST RANCH)

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = MAY 21, 2021

OU0239 *****

OU0239 DESIGNATION - V 58

OU0239 PID - OU0239

OU0239 STATE/COUNTY- WY/CONVERSE

OU0239 COUNTRY - US

OU0239 USGS QUAD - BILL SE (2017)

OU0239

OU0239 *CURRENT SURVEY CONTROL

OU0239

OU0239* NAD 83(1986) POSITION- 43 03 04. (N) 105 16 09. (W) SCALED

OU0239* [NAVD 88](#) ORTHO HEIGHT - 1483.689 (meters) 4867.74 (feet) ADJUSTED

OU0239

OU0239 GEOID HEIGHT - -15.170 (meters) GEOID18

OU0239 DYNAMIC HEIGHT - 1482.809 (meters) 4864.85 (feet) COMP

OU0239 MODELED GRAVITY - 979,975.5 (mgal) NAVD 88

OU0239

OU0239 VERT ORDER - SECOND CLASS 0

OU0239

OU0239.The horizontal coordinates were scaled from a map and have

OU0239.an estimated accuracy of +/- 6 seconds.

OU0239.

OU0239.The orthometric height was determined by differential leveling and

OU0239.adjusted by the NATIONAL GEODETIC SURVEY

OU0239.in June 1991.

OU0239

OU0239.Significant digits in the geoid height do not necessarily reflect accuracy.

OU0239.GEOID18 height accuracy estimate available [here](#).

OU0239

OU0239.Click [photographs](#) - Photos may exist for this station.

OU0239

OU0239.The dynamic height is computed by dividing the NAVD 88

OU0239.geopotential number by the normal gravity value computed on the

OU0239.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

OU0239.degrees latitude (g = 980.6199 gals.).

OU0239

OU0239.The modeled gravity was interpolated from observed gravity values.

OU0239

	North	East	Units	Estimated Accuracy
OU0239; SPC WY E	- 283,340.	191,650.	MT	(+/- 180 meters Scaled)

OU0239

OU0239_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TDH780665(NAD 83)

OU0239

OU0239 SUPERSEDED SURVEY CONTROL

OU0239

OU0239 NGVD 29 (??/??/92) 1482.853 (m) 4864.99 (f) ADJ UNCH 2 0

OU0239

OU0239.Superseded values are not recommended for survey control.

OU0239

OU0239.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

OU0239. See file [dsdata.pdf](#) to determine how the superseded data were derived.

OU0239

OU0239_MARKER: DB = BENCH MARK DISK

OU0239_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

OU0239_STAMPING: V-58 1934

OU0239_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

OU0239+STABILITY: SURFACE MOTION

OU0239

OU0239	HISTORY	- Date	Condition	Report By
--------	---------	--------	-----------	-----------

OU0239	HISTORY	- 1934	MONUMENTED	CGS
--------	---------	--------	------------	-----

OU0239	HISTORY	- 1959	GOOD	CGS
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OU0239

OU0239 STATION DESCRIPTION

OU0239

OU0239'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

OU0239'22 MI N FROM DOUGLAS.

OU0239'22.0 MI. N. ALONG STATE HWY. 59 FROM THE POST OFFICE AT DOUGLAS,

OU0239'CONVERSE COUNTY, THEN 0.4 MI. NW ALONG A COUNTY RD., THEN 0.4

OU0239'MI. N. ALONG AN ABANDONED HWY., IN THE NE 1/4 SEC. 33, T. 36 N.,

OU0239'R 70 W., ABOUT 425 FT. S. OF DAM AT A SMALL RESERVOIR AND 16 FT.

OU0239'W OF CENTER OF ROAD.

OU0239

OU0239 STATION RECOVERY (1959)

OU0239

OU0239'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1959

OU0239'RECOVERED IN GOOD CONDITION.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JULY 25, 2021
 PX0182 *****
 PX0182 DESIGNATION - T 84
 PX0182 PID - PX0182
 PX0182 STATE/COUNTY- WY/PARK
 PX0182 COUNTRY - US
 PX0182 USGS QUAD - CLARK (2017)
 PX0182
 PX0182 *CURRENT SURVEY CONTROL
 PX0182
 PX0182* NAD 83(1993) POSITION- 44 54 18.36282(N) 109 10 43.81591(W) ADJUSTED
 PX0182* [NAVD 88](#) ORTHO HEIGHT - 1305.951 (meters) 4284.61 (feet) ADJUSTED
 PX0182
 PX0182 GEOID HEIGHT - -11.837 (meters) GEOID18
 PX0182 LAPLACE CORR - -21.47 (seconds) DEFLEC18
 PX0182 DYNAMIC HEIGHT - 1305.380 (meters) 4282.73 (feet) COMP
 PX0182 MODELED GRAVITY - 980,135.8 (mgal) NAVD 88
 PX0182
 PX0182 HORZ ORDER - THIRD
 PX0182 VERT ORDER - SECOND CLASS 0
 PX0182
 PX0182.The horizontal coordinates were established by classical geodetic methods
 PX0182.and adjusted by the National Geodetic Survey in January 1997.
 PX0182.
 PX0182.The orthometric height was determined by differential leveling and
 PX0182.adjusted by the NATIONAL GEODETIC SURVEY
 PX0182.in June 1991.
 PX0182
 PX0182.Significant digits in the geoid height do not necessarily reflect accuracy.
 PX0182.GEOID18 height accuracy estimate available [here](#).
 PX0182
 PX0182.Click [photographs](#) - Photos may exist for this station.
 PX0182
 PX0182.The Laplace correction was computed from DEFLEC18 derived deflections.
 PX0182
 PX0182.The dynamic height is computed by dividing the NAVD 88
 PX0182.geopotential number by the normal gravity value computed on the
 PX0182.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 PX0182.degrees latitude (g = 980.6199 gals.).
 PX0182
 PX0182.The modeled gravity was interpolated from observed gravity values.
 PX0182
 PX0182. The following values were computed from the NAD 83(1993) position.
 PX0182
 PX0182;

	North	East	Units	Scale Factor	Converg.
PX0182;SPC WYWC	- 489,408.281	566,133.847	MT	0.99995160	-0 18 09.8
PX0182;SPC WYWC	- 1,605,667.00	1,857,390.80	sFT	0.99995160	-0 18 09.8
PX0182;UTM 12	- 4,974,021.667	643,772.301	MT	0.99985418	+1 17 09.0

 PX0182
 PX0182!

PX0182!SPC WYWC	- 0.99979714	x	0.99995160	=	0.99974875
PX0182!UTM 12	- 0.99979714	x	0.99985418	=	0.99965135

 PX0182
 PX0182:

	Primary Azimuth Mark	Grid Az
PX0182:SPC WYWC	- LINE	333 08 56.7
PX0182:UTM 12	- LINE	331 33 37.9

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0182 STATION RECOVERY (1983)
PX0182
PX0182'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1983
PX0182'CODY, 29 MILES FROM JCT. US HWY. 14 A AND STATE HWY. 120, ALONG STATE
PX0182'HWY. 120, THENCE 3.7 MILES WEST ALONG STATE HWY. 292, ALONG EAST EDGE
PX0182'OF SECTION QUARTER SECTION 21, T 57 N, R 102 W, 0.2 MILE SOUTH OF
PX0182'CLARK SCHOOL, 193 FT SOUTH OF HWY. ALONG GRAVEL ROAD, ALONG GRAVEL
PX0182'ROAD, 66 FT. WEST OF ROAD, 21 FT. WEST OF FENCE CEMENTED IN THE TOP OF
PX0182'A GRANITE BOULDER ABOUT 1 FT. HIGHER THAN THE ROAD, A STANDARD TABLET
PX0182'STAMPED T 841934.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

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1          National Geodetic Survey,  Retrieval Date = JULY 11, 2021
OV0081 *****
OV0081 FBN          - This is a Federal Base Network Control Station.
OV0081 DESIGNATION - S 163
OV0081 PID          - OV0081
OV0081 STATE/COUNTY- WY/WASHAKIE
OV0081 COUNTRY      - US
OV0081 USGS QUAD    - JOE EMGE CREEK (2017)
OV0081
OV0081                                *CURRENT SURVEY CONTROL
OV0081
OV0081* NAD 83(2011) POSITION- 43 54 17.94221(N) 107 22 51.32940(W) ADJUSTED
OV0081* NAD 83(2011) ELLIP HT- 1399.142 (meters) (06/27/12) ADJUSTED
OV0081* NAD 83(2011) EPOCH - 2010.00
OV0081* NAVD 88 ORTHO HEIGHT - 1410.158 (meters) 4626.49 (feet) ADJUSTED
OV0081
OV0081 GEOID HEIGHT - -11.050 (meters) GEOID18
OV0081 NAD 83(2011) X - -1,375,264.891 (meters) COMP
OV0081 NAD 83(2011) Y - -4,393,601.065 (meters) COMP
OV0081 NAD 83(2011) Z - 4,401,461.462 (meters) COMP
OV0081 LAPLACE CORR - 12.08 (seconds) DEFLEC18
OV0081 DYNAMIC HEIGHT - 1409.511 (meters) 4624.37 (feet) COMP
OV0081 MODELED GRAVITY - 980,109.9 (mgal) NAVD 88
OV0081
OV0081 VERT ORDER - SECOND CLASS 0
OV0081
OV0081 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OV0081 Standards:
OV0081          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
OV0081          Horiz Ellip          SD_N   SD_E   SD_h          (unitless)
OV0081 -----
OV0081 NETWORK    0.70    1.57          0.28   0.29   0.80          0.13585406
OV0081 -----
OV0081 Click here for local accuracies and other accuracy information.
OV0081
OV0081
OV0081.The horizontal coordinates were established by GPS observations
OV0081.and adjusted by the National Geodetic Survey in June 2012.
OV0081
OV0081.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OV0081.been affixed to the stable North American tectonic plate. See
OV0081.NA2011 for more information.
OV0081
OV0081.The horizontal coordinates are valid at the epoch date displayed above
OV0081.which is a decimal equivalence of Year/Month/Day.
OV0081
OV0081.The orthometric height was determined by differential leveling and
OV0081.adjusted by the NATIONAL GEODETIC SURVEY
OV0081.in June 1991.
OV0081
OV0081.Significant digits in the geoid height do not necessarily reflect accuracy.
OV0081.GEOID18 height accuracy estimate available here.
OV0081
OV0081.Click photographs - Photos may exist for this station.
OV0081

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Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

OV0081.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 OV0081
 OV0081.The Laplace correction was computed from DEFLEC18 derived deflections.
 OV0081
 OV0081.The ellipsoidal height was determined by GPS observations
 OV0081.and is referenced to NAD 83.
 OV0081
 OV0081.The dynamic height is computed by dividing the NAVD 88
 OV0081.geopotential number by the normal gravity value computed on the
 OV0081.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 OV0081.degrees latitude (g = 980.6199 gals.).
 OV0081
 OV0081.The modeled gravity was interpolated from observed gravity values.
 OV0081
 OV0081. The following values were computed from the NAD 83(2011) position.
 OV0081
 OV0081;

	North	East	Units	Scale	Factor	Converg.
OV0081;SPC WYEC	- 478,193.722	396,177.020	MT	0.99993768	-0 01	58.8
OV0081;SPC WYEC	- 1,568,873.90	1,299,790.77	sFT	0.99993768	-0 01	58.8
OV0081;UTM 13	- 4,864,075.343	308,804.910	MT	1.00004963	-1 39	05.7

 OV0081
 OV0081!

	Elev Factor	x	Scale Factor	=	Combined Factor
OV0081!SPC WYEC	- 0.99978065	x	0.99993768	=	0.99971835
OV0081!UTM 13	- 0.99978065	x	1.00004963	=	0.99983027

 OV0081
 OV0081_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TCJ0880464075(NAD 83)
 OV0081
 OV0081

SUPERSEDED SURVEY CONTROL

 OV0081

OV0081	NAD 83(2007)-	43 54 17.94191(N)	107 22 51.33063(W)	AD(2002.00)	0
OV0081	ELLIP H (02/10/07)	1399.166 (m)		GP(2002.00)	
OV0081	ELLIP H (02/28/01)	1399.180 (m)		GP()	2 1
OV0081	NAD 83(1993)-	43 54 17.94096(N)	107 22 51.33011(W)	AD()	B
OV0081	ELLIP H (10/19/94)	1399.239 (m)		GP()	4 1
OV0081	NAVD 88	1410.16 (m)	4626.5 (f)	LEVELING	3
OV0081	NGVD 29 (??/??/92)	1409.387 (m)	4623.96 (f)	ADJ UNCH	2 0

 OV0081
 OV0081.Superseded values are not recommended for survey control.
 OV0081
 OV0081.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 OV0081.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 OV0081
 OV0081_MARKER: DB = BENCH MARK DISK
 OV0081_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 OV0081_STAMPING: S 163 1966
 OV0081_MARK LOGO: CGS
 OV0081_MAGNETIC: N = NO MAGNETIC MATERIAL
 OV0081_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 OV0081+STABILITY: SURFACE MOTION
 OV0081_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 OV0081+SATELLITE: SATELLITE OBSERVATIONS - July 29, 1999
 OV0081

HISTORY	Date	Condition	Report By
OV0081	- 1966	MONUMENTED	CGS
OV0081	- 19930703	GOOD	NGS
OV0081	- 19990729	GOOD	NGS

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

OV0081

OV0081

STATION DESCRIPTION

OV0081

OV0081'DESCRIBED BY COAST AND GEODETIC SURVEY 1966

OV0081'10.45 MI S FROM TEN SLEEP.

OV0081'10.45 MILES SOUTH ALONG NOWOOD ROAD FROM THE JUNCTION OF U.S. HIGHWAY

OV0081'16 AT TEN SLEEP, 0.15 MILE NORTH OF THE JUNCTION OF A FARM ROAD EAST

OV0081'THROUGH A GATE, ACROSS THE ROAD FROM A SHALLOW CUT, 72 FEET WEST OF

OV0081'THE CENTER LINE OF THE ROAD, 2.3 FEET EAST OF A FENCE, 2.4 FEET SOUTH

OV0081'OF A WITNESS POST, ABOUT 1 FOOT LOWER THAN THE ROAD, AND SET IN THE

OV0081'TOP OF A CONCRETE POST PROJECTING 0.3 FOOT ABOVE THE GROUND.

OV0081

OV0081

STATION RECOVERY (1993)

OV0081

OV0081'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (AJL)

OV0081'STATION IS LOCATED ABOUT 16 KM (9.95 MI) SOUTH OF TEN SLEEP, 2.5 KM

OV0081'(1.55 MI) NORTH OF OTTER CREEK, ALONG STATE HIGHWAY 434, ON THE

OV0081'RIGHT-OF-WAY, AT MILE 10.5, IN SOUTH CENTRAL SECTION 36, T 46 N, R 88

OV0081'W. OWNERSHIP--WYOMING DEPARTMENT OF TRANSPORTATION. TO REACH FROM THE

OV0081'JUNCTION OF US HIGHWAY 16 AND STATE HIGHWAY 434 ON THE WEST SIDE OF

OV0081'TEN SLEEP, GO SOUTH ON HIGHWAY 434 FOR 12.0 KM (7.45 MI) TO SPRING

OV0081'CREEK ROAD (PAVED) ON THE LEFT. CONTINUE AHEAD FOR 3.20 KM (2.00 MI)

OV0081'TO A ROAD RIGHT LEADING TO THE LYMAN RANCH. CONTINUE AHEAD FOR 1.58 KM

OV0081'(1.00 MI) TO THE STATION ON THE RIGHT AT MILE POST 10.5. STATION MARK

OV0081'IS SET IN THE TOP OF A 30-CM ROUND CONCRETE POST PROJECTING 2 CM ABOVE

OV0081'GROUND. IT IS 21.6 M (70.9 FT) WEST OF, AND SLIGHTLY LOWER THAN THE

OV0081'HIGHWAY CENTER, 0.6 M (2.0 FT) EAST OF THE RIGHT-OF-WAY FENCE, AND 0.7

OV0081'M (2.3 FT) SOUTH OF A METAL WITNESS POST. DESCRIBED BY DDB

OV0081

OV0081

STATION RECOVERY (1999)

OV0081

OV0081'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)

OV0081'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. RECOVERED IN GOOD

OV0081'CONDITION AND AS PREVIOUSLY DESCRIBED.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JULY 29, 2021
 PX0177 *****
 PX0177 DESIGNATION - P 84
 PX0177 PID - PX0177
 PX0177 STATE/COUNTY- WY/PARK
 PX0177 COUNTRY - US
 PX0177 USGS QUAD - CHAPMAN BENCH (2017)
 PX0177
 PX0177 *CURRENT SURVEY CONTROL
 PX0177
 PX0177* NAD 83(1993) POSITION- 44 48 43.46982(N) 109 09 45.54784(W) ADJUSTED
 PX0177* [NAVD 88](#) ORTHO HEIGHT - 1386.647 (meters) 4549.36 (feet) ADJUSTED
 PX0177
 PX0177 GEOID HEIGHT - -11.942 (meters) GEOID18
 PX0177 LAPLACE CORR - -17.79 (seconds) DEFLEC18
 PX0177 DYNAMIC HEIGHT - 1386.001 (meters) 4547.24 (feet) COMP
 PX0177 MODELED GRAVITY - 980,104.3 (mgal) NAVD 88
 PX0177
 PX0177 HORZ ORDER - THIRD
 PX0177 VERT ORDER - SECOND CLASS 0
 PX0177
 PX0177.The horizontal coordinates were established by classical geodetic methods
 PX0177.and adjusted by the National Geodetic Survey in January 1997.
 PX0177.
 PX0177.The orthometric height was determined by differential leveling and
 PX0177.adjusted by the NATIONAL GEODETIC SURVEY
 PX0177.in June 1991.
 PX0177
 PX0177.Significant digits in the geoid height do not necessarily reflect accuracy.
 PX0177.GEOID18 height accuracy estimate available [here](#).
 PX0177
 PX0177.Click [photographs](#) - Photos may exist for this station.
 PX0177
 PX0177.The Laplace correction was computed from DEFLEC18 derived deflections.
 PX0177
 PX0177.The dynamic height is computed by dividing the NAVD 88
 PX0177.geopotential number by the normal gravity value computed on the
 PX0177.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 PX0177.degrees latitude (g = 980.6199 gals.).
 PX0177
 PX0177.The modeled gravity was interpolated from observed gravity values.
 PX0177
 PX0177. The following values were computed from the NAD 83(1993) position.
 PX0177
 PX0177;

	North	East	Units	Scale Factor	Converg.
PX0177;SPC WYWC	- 479,064.430	567,359.538	MT	0.99995060	-0 17 27.0
PX0177;SPC WYWC	- 1,571,730.55	1,861,412.08	sFT	0.99995060	-0 17 27.0
PX0177;UTM 12	- 4,963,716.707	645,283.903	MT	0.99985956	+1 17 42.6

 PX0177
 PX0177!

PX0177!SPC WYWC	- 0.99978451	x	0.99995060	=	0.99973512
PX0177!UTM 12	- 0.99978451	x	0.99985956	=	0.99964410

 PX0177
 PX0177:

	Primary Azimuth Mark	Grid Az
PX0177:SPC WYWC	- CHAPMAN	047 57 54.1
PX0177:UTM 12	- CHAPMAN	046 22 44.5

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0177'

PX0177'REFERENCE MARKS - NONE.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = MAY 11, 2021
 NQ0290 *****
 NQ0290 DESIGNATION - N 15
 NQ0290 PID - NQ0290
 NQ0290 STATE/COUNTY- WY/CONVERSE
 NQ0290 COUNTRY - US
 NQ0290 USGS QUAD - IRVINE (2018)
 NQ0290
 NQ0290 *CURRENT SURVEY CONTROL
 NQ0290
 NQ0290* NAD 83(2011) POSITION- 42 39 21.54483(N) 105 16 37.73712(W) ADJUSTED
 NQ0290* NAD 83(2011) ELLIP HT- 1436.221 (meters) (06/27/12) ADJUSTED
 NQ0290* NAD 83(2011) EPOCH - 2010.00
 NQ0290* [NAVD 88](#) ORTHO HEIGHT - 1450.509 (meters) 4758.88 (feet) ADJUSTED
 NQ0290
 NQ0290 GEOID HEIGHT - -14.285 (meters) GEOID18
 NQ0290 NAD 83(2011) X - -1,238,128.837 (meters) COMP
 NQ0290 NAD 83(2011) Y - -4,532,938.902 (meters) COMP
 NQ0290 NAD 83(2011) Z - 4,300,447.116 (meters) COMP
 NQ0290 LAPLACE CORR - -3.31 (seconds) DEFLEC18
 NQ0290 DYNAMIC HEIGHT - 1449.587 (meters) 4755.85 (feet) COMP
 NQ0290 MODELED GRAVITY - 979,935.4 (mgal) NAVD 88
 NQ0290
 NQ0290 VERT ORDER - FIRST CLASS II
 NQ0290
 NQ0290 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 NQ0290 Standards:
 NQ0290 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
 NQ0290 Horiz Ellip SD_N SD_E SD_h (unitless)
 NQ0290 -----
 NQ0290 NETWORK 0.74 1.00 0.33 0.27 0.51 -0.04467800
 NQ0290 -----
 NQ0290 Click [here](#) for local accuracies and other accuracy information.
 NQ0290
 NQ0290
 NQ0290.The horizontal coordinates were established by GPS observations
 NQ0290.and adjusted by the National Geodetic Survey in June 2012.
 NQ0290
 NQ0290.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 NQ0290.been affixed to the stable North American tectonic plate. See
 NQ0290.[NA2011](#) for more information.
 NQ0290
 NQ0290.The horizontal coordinates are valid at the epoch date displayed above
 NQ0290.which is a decimal equivalence of Year/Month/Day.
 NQ0290
 NQ0290.The orthometric height was determined by differential leveling and
 NQ0290.adjusted by the NATIONAL GEODETIC SURVEY
 NQ0290.in June 1991.
 NQ0290
 NQ0290.Significant digits in the geoid height do not necessarily reflect accuracy.
 NQ0290.GEOID18 height accuracy estimate available [here](#).
 NQ0290
 NQ0290.Click [photographs](#) - Photos may exist for this station.
 NQ0290
 NQ0290.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 NQ0290

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

NQ0290.The Laplace correction was computed from DEFLEC18 derived deflections.
 NQ0290

NQ0290.The ellipsoidal height was determined by GPS observations
 NQ0290.and is referenced to NAD 83.

NQ0290

NQ0290.The dynamic height is computed by dividing the NAVD 88
 NQ0290.geopotential number by the normal gravity value computed on the
 NQ0290.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 NQ0290.degrees latitude (g = 980.6199 gals.).

NQ0290

NQ0290.The modeled gravity was interpolated from observed gravity values.

NQ0290

NQ0290. The following values were computed from the NAD 83(2011) position.

NQ0290

NQ0290;		North	East	Units	Scale	Factor	Converg.
NQ0290;SPC WY E	-	239,445.633	190,941.617	MT	0.99993851	-0 04	29.5
NQ0290;SPC WY E	-	785,581.21	626,447.62	sFT	0.99993851	-0 04	29.5
NQ0290;UTM 13	-	4,722,650.858	477,284.401	MT	0.99960635	-0 11	16.1
NQ0290!	-	Elev Factor	x	Scale Factor	=	Combined Factor	
NQ0290!SPC WY E	-	0.99977481	x	0.99993851	=	0.99971333	
NQ0290!UTM 13	-	0.99977481	x	0.99960635	=	0.99938125	

NQ0290

NQ0290_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TDH7728422650 (NAD 83)

NQ0290

NQ0290 SUPERSEDED SURVEY CONTROL

NQ0290

NQ0290	NAD 83(2007)-	42 39 21.54462(N)	105 16 37.73818(W)	AD(2002.00)	1
NQ0290	ELLIP H (04/15/08)	1436.240 (m)		GP(2002.00)	1 1
NQ0290	NAVD 88	1450.51 (m)	4758.9 (f)	LEVELING	3
NQ0290	NGVD 29 (??/??/92)	1449.652 (m)	4756.07 (f)	ADJ UNCH	1 2

NQ0290

NQ0290.Superseded values are not recommended for survey control.

NQ0290

NQ0290.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NQ0290.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NQ0290

NQ0290_MARKER: DB = BENCH MARK DISK

NQ0290_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NQ0290_STAMPING: N 15 1934

NQ0290_MARK LOGO: CGS

NQ0290_MAGNETIC: N = NO MAGNETIC MATERIAL

NQ0290_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NQ0290+STABILITY: SURFACE MOTION

NQ0290_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NQ0290+SATELLITE: SATELLITE OBSERVATIONS - January 15, 2008

NQ0290

NQ0290	HISTORY	- Date	Condition	Report By
NQ0290	HISTORY	- 1934	MONUMENTED	CGS
NQ0290	HISTORY	- 1941	GOOD	CGS
NQ0290	HISTORY	- 1985	GOOD	DMA
NQ0290	HISTORY	- 20080115	GOOD	WOOLPT

NQ0290

NQ0290 STATION DESCRIPTION

NQ0290

NQ0290'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

NQ0290'4.5 MI W FROM ORIN.
NQ0290'ABOUT 4.5 MILES WEST ALONG THE CHICAGO, BURLINGTON AND QUINCY
NQ0290'RAILROAD FROM THE STATION AT ORIN, CONVERSE COUNTY, ABOUT 480
NQ0290'FEET EAST OF MILEPOST 139, 90.3 FEET SOUTH OF THE SOUTH RAIL, 75
NQ0290'FEET NORTH OF THE RIGHT-OF-WAY FENCE, AND ABOUT 8 FEET LOWER THAN
NQ0290'THE TRACK. A STANDARD DISK, STAMPED N 15 1934 AND SET IN THE TOP
NQ0290'OF A CONCRETE POST.
NQ0290
NQ0290 STATION RECOVERY (1941)
NQ0290
NQ0290
NQ0290'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1941
NQ0290'RECOVERED IN GOOD CONDITION.
NQ0290
NQ0290 STATION RECOVERY (1985)
NQ0290
NQ0290
NQ0290'RECOVERY NOTE BY DEFENSE MAP AGENCY 1985
NQ0290'RECOVERED IN GOOD CONDITION.
NQ0290
NQ0290 STATION RECOVERY (2008)
NQ0290
NQ0290
NQ0290'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2008 (DJK)
NQ0290'DESCRIBED BY DJK WOOLPERT INC. 2007 THE STATION IS LOCATED ABOUT 15.1
NQ0290'KM (9.5 MI) SOUTHEAST OF DOUGLAS, ABOUT 7.2 KM (4.5 MI) WEST OF ORIN
NQ0290'AND , 7.2 KM (4.5 MI) WEST ALONG THE CHICAGO, BURLINGTON AND QUINCY
NQ0290'RAILROAD FROM THE STATION AT ORIN THE STATION IS NORTHEAST OF THE
NQ0290'ROADWAY AND SOUTHWEST OF THE RAILROAD.
NQ0290'
NQ0290'TO REACH FROM THE INTERSECTION OF I-25 AND HWY 18/20 PROCEED EAST ON
NQ0290'HIGHWAY 18/20 FOR 2.0 KM (1.25 MI) TO INTERSECTION WITH COUNTY ROAD 1.
NQ0290'TURN RIGHT, SOUTH, FOR 1.2 KM (0.75 MI) WHILE CROSSING THE RAILROAD
NQ0290'TRACKS. TURN RIGHT, WEST, ON COUNTY ROAD 1 PARALLELING THE RAILROAD
NQ0290'FOR 7.4 KM (4.6 MI) TO THE STATION ON THE RIGHT NORTH OF COUNTY ROAD
NQ0290'1.
NQ0290'
NQ0290'THE MARK IS A STANDARD TOPOGRAPHIC SURVEY DISK STAMPED N 15 1934, SET
NQ0290'IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND. MARK IS 56.29 M
NQ0290'(184.7 FT) WEST OF AN ORANGE CARSONITE FIBEROPTIC LINE MARKER. 27.58
NQ0290'M (90.5 FT) SOUTH OF THE NEAR RAIL. 27.58 M (90.5 FT) NORTHWEST OF A
NQ0290'PK NAIL AND WASHER STAMPED WOOLPERT 2007 SET IN A POWERPOLE.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JULY 8, 2021
 PX0304 *****
 PX0304 DESIGNATION - MANDER
 PX0304 PID - PX0304
 PX0304 STATE/COUNTY- WY/BIG HORN
 PX0304 COUNTRY - US
 PX0304 USGS QUAD - ORCHARD BENCH (2017)
 PX0304
 PX0304 *CURRENT SURVEY CONTROL
 PX0304
 PX0304* NAD 83(2011) POSITION- 44 16 52.45531(N) 108 02 28.53211(W) ADJUSTED
 PX0304* NAD 83(2011) ELLIP HT- 1233.845 (meters) (06/27/12) ADJUSTED
 PX0304* NAD 83(2011) EPOCH - 2010.00
 PX0304* [NAVD 88](#) ORTHO HEIGHT - 1246.989 (meters) 4091.16 (feet) ADJUSTED
 PX0304
 PX0304 GEOID HEIGHT - -13.138 (meters) GEOID18
 PX0304 NAD 83(2011) X - -1,416,760.723 (meters) COMP
 PX0304 NAD 83(2011) Y - -4,349,680.948 (meters) COMP
 PX0304 NAD 83(2011) Z - 4,431,378.853 (meters) COMP
 PX0304 LAPLACE CORR - 7.18 (seconds) DEFLEC18
 PX0304 DYNAMIC HEIGHT - 1246.429 (meters) 4089.33 (feet) COMP
 PX0304 MODELED GRAVITY - 980,127.1 (mgal) NAVD 88
 PX0304 OBS GRAVITY - 980,127.4 (mgal) GRAV_OBS
 PX0304
 PX0304 VERT ORDER - FIRST CLASS II
 PX0304
 PX0304 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 PX0304 Standards:
 PX0304 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
 PX0304 Horiz Ellip SD_N SD_E SD_h (unitless)
 PX0304 -----
 PX0304 NETWORK 2.07 2.06 0.36 1.04 1.05 -0.18801971
 PX0304 -----
 PX0304 Click [here](#) for local accuracies and other accuracy information.
 PX0304
 PX0304
 PX0304.The horizontal coordinates were established by GPS observations
 PX0304.and adjusted by the National Geodetic Survey in June 2012.
 PX0304
 PX0304.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 PX0304.been affixed to the stable North American tectonic plate. See
 PX0304.[NA2011](#) for more information.
 PX0304
 PX0304.The horizontal coordinates are valid at the epoch date displayed above
 PX0304.which is a decimal equivalence of Year/Month/Day.
 PX0304
 PX0304.The orthometric height was determined by differential leveling and
 PX0304.adjusted by the NATIONAL GEODETIC SURVEY
 PX0304.in June 1991.
 PX0304
 PX0304.Significant digits in the geoid height do not necessarily reflect accuracy.
 PX0304.GEOID18 height accuracy estimate available [here](#).
 PX0304
 PX0304.Click [photographs](#) - Photos may exist for this station.
 PX0304
 PX0304.The X, Y, and Z were computed from the position and the ellipsoidal ht.

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0304
PX0304.Superseded values are not recommended for survey control.
PX0304
PX0304.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
PX0304.See file [dsdata.pdf](#) to determine how the superseded data were derived.
PX0304
PX0304_MARKER: DS = TRIANGULATION STATION DISK
PX0304_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
PX0304_STAMPING: MANDER 1957
PX0304_MARK LOGO: CGS
PX0304_PROJECTION: PROJECTING 15 CENTIMETERS
PX0304_MAGNETIC: N = NO MAGNETIC MATERIAL
PX0304_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
PX0304+STABILITY: SURFACE MOTION
PX0304_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
PX0304+SATELLITE: SATELLITE OBSERVATIONS - July 08, 1999
PX0304
PX0304 HISTORY - Date Condition Report By
PX0304 HISTORY - 1957 MONUMENTED CGS
PX0304 HISTORY - 1982 GOOD NGS
PX0304 HISTORY - 19990708 GOOD GROSCH
PX0304
PX0304 STATION DESCRIPTION
PX0304
PX0304'DESCRIBED BY COAST AND GEODETIC SURVEY 1957 (OSR)
PX0304'STATION IS ABOUT 7 MILES SOUTH OF BASIN, 3 MILES WEST AND
PX0304'1 MILE NORTH OF MANDERSON AND ON A SMALL RISE ON THE WEST
PX0304'SIDE OF U.S. HIGHWAY 20.
PX0304'
PX0304'TO REACH FROM BASIN POST OFFICE, GO SOUTHERLY ON U.S. HIGHWAY
PX0304'20 FOR 6.6 MILES TO A SIDE ROAD LEFT, WIRE GATE AND AZIMUTH
PX0304'MARK ON LEFT. CONTINUE SOUTH ON HIGHWAY FOR 0.8 MILE TO A WIRE
PX0304'GATE ON EITHER SIDE OF HIGHWAY. TURN RIGHT, PASSING THROUGH
PX0304'WIRE GATE, AND FOLLOW GRAVEL ROAD WEST FOR 0.05 MILE, THENCE
PX0304'RIGHT, LEAVING ROAD, FOR ABOUT 0.15 MILE TO TOP OF SMALL RISE
PX0304'AND STATION.
PX0304'
PX0304'STATION MARKS ARE STANDARD DISKS, STAMPED MANDER 1957. THE
PX0304'UNDERGROUND MARK IS SET IN AN IRREGULAR MASS OF CONCRETE WHICH
PX0304'IS 30 INCHES BELOW GROUND SURFACE. SURFACE MARK IS SET
PX0304'IN THE TOP OF A 12 INCH, SQUARE, CONCRETE POST WHICH PROJECTS
PX0304'6 INCHES. IT IS 453 FEET SOUTHEAST OF A TRANSMISSION LINE POLE,
PX0304'116 FEET WEST OF A NORTH-SOUTH RIGHT-OF-WAY FENCE. A 4 IN X 4
PX0304'IN WHITE WITNESS POST WAS SET 4 FEET EAST OF THE MARK.
PX0304'
PX0304'REFERENCE MARK 1 IS A STANDARD DISK, STAMPED MANDER NO 1 1957.
PX0304'IT IS SET IN THE TOP OF A 12 INCH, SQUARE, CONCRETE POST
PX0304'WHICH PROJECTS 6 INCHES.
PX0304'
PX0304'REFERENCE MARK 2 IS A STANDARD DISK, STAMPED MANDER NO 2
PX0304'19579 IT IS SET IN THE TOP OF A 12 INCH, SQUARE, CONCRETE
PX0304'POST WHICH PROJECTS 6 INCHES.
PX0304'
PX0304'AZIMUTH MARK IS A STANDARD DISK, STAMPED MANDER 1957. IT IS
PX0304'SET IN THE TOP OF A 12 INCH, SQUARE, CONCRETE POST WHICH
PX0304'PROJECTS 6 INCHES. IT IS 148 FEET EAST OF HIGHWAY CENTER,

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0304'45 FEET NORTH OF A TELEPHONE POLE, 10 FEET SOUTH OF THE SOUTH GATE
PX0304'POST AND 3 FEET WEST OF A NORTH-SOUTH RIGHT-OF-WAY FENCE. A
PX0304'4 IN X 4 IN WHITE WITNESS POST WAS SET 2 FEET NORTHEAST OF THE
PX0304'MARK.

PX0304

PX0304

STATION RECOVERY (1982)

PX0304

PX0304'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1982

PX0304'37.4 KM (23.25 MI) NORT FROM WORLAND.

PX0304'37.4 KM (23.25 MI) NORTHERLY ALONG U. S. HIGHWAY 20 FROM ITS JUNCTION

PX0304'WITH U. S. HIGHWAY 16 AND STATE HIGHWAY 789 IN WORLAND, 0.2 KM (0.1

PX0304'MI) NORTH OF THE INTERSECTION OF ELK CREEK ROAD, 81.1 METERS (266.1

PX0304'FT) WEST OF THE CENTERLINE OF THE HIGHWAY, 35.4 METERS (116.1 FT) WEST

PX0304'OF A FENCE, 33.0 METERS (108.3 FT) EAST OF THE SOUTHEAST CORNER OF A

PX0304'CHAIN LINK FENCE AND 13.7 METERS (44.9 FT) WEST-NORTHWEST OF REFERENCE

PX0304'MARK 1.

PX0304'THE MARK IS 1.2 METERS W FROM A WITNESS POST.

PX0304'THE MARK IS 4.6 M ABOVE THE HIGHWAY.

PX0304

PX0304

STATION RECOVERY (1999)

PX0304

PX0304'RECOVERY NOTE BY P E GROSCH CONSTRUCTION INCORPORATED 1999 (BWF)

PX0304'RECOVERED IN GOOD CONDITION. NEW DESCRIPTION IS AS FOLLOWS. THE

PX0304'STATION IS LOCATED 23.25 MI (37.42 KM) (ALONG U.S. HWY 20) NORTH OF

PX0304'WORLAND AND 7 MI (11.3 KM) SOUTH OF BASIN IN NE 1/4, NW 1/4, SEC 28

PX0304'T50N R93W. OWNERSHIP--PUBLIC LANDS. TO REACH THE STATION FROM THE

PX0304'INTERSECTION OF U.S. HWY 20, U.S. HWY 16 AND STATE HWY 789, GO

PX0304'NORTHERLY ALONG U.S. HWY 20 FOR 23.25 MI (37.42 KM) TO ELK CREEK ROAD

PX0304'ON THE LEFT, TURN LEFT ON ELK CREEK ROAD AND PROCEED FOR 0.1 MI (0.2

PX0304'KM) THEN TURN RIGHT ON A DIRT PIPELINE ROAD AND PROCEED FOR 0.1 MI

PX0304'(0.2 KM) THEN TURN RIGHT ON A TWO TRACK ROAD AND PROCEED 0.05 MI (0.08

PX0304'KM) TO THE STATION ON THE TOP OF A SMALL RISE. THE STATION MARK IS A

PX0304'CGS TRIANGULATION STATION DISK SET IN THE TOP OF A 12 INCH SQUARE

PX0304'CONCRETE POST PROJECTING 6 INCHES ABOVE GROUND LEVEL. IT IS, 266.1 FT

PX0304'(81.1 M) WEST OF THE CENTERLINE OF U.S. HWY 20, 108.3 FT (33.0 M)

PX0304'EAST OF THE SOUTHEAST CORNER OF A CHAIN LINK FENCE, 44.9 FT (13.7 M)

PX0304'WEST-NORTHWEST OF REFERENCE MARK NO.1. DESCRIBED BY B.W. FREDERICK.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JUNE 1, 2021
 PX0263 *****
 PX0263 CBN - This is a Cooperative Base Network Control Station.
 PX0263 DESIGNATION - LAKE
 PX0263 PID - PX0263
 PX0263 STATE/COUNTY- WY/BIG HORN
 PX0263 COUNTRY - US
 PX0263 USGS QUAD - LOVELL LAKES (2017)
 PX0263
 PX0263 *CURRENT SURVEY CONTROL
 PX0263
 PX0263* NAD 83(2011) POSITION- 44 48 01.54933(N) 108 20 42.94345(W) ADJUSTED
 PX0263* NAD 83(2011) ELLIP HT- 1201.505 (meters) (06/27/12) ADJUSTED
 PX0263* NAD 83(2011) EPOCH - 2010.00
 PX0263* [NAVD 88](#) ORTHO HEIGHT - 1214.436 (meters) 3984.36 (feet) ADJUSTED
 PX0263
 PX0263 GEOID HEIGHT - -12.944 (meters) GEOID18
 PX0263 NAD 83(2011) X - -1,427,072.909 (meters) COMP
 PX0263 NAD 83(2011) Y - -4,303,662.529 (meters) COMP
 PX0263 NAD 83(2011) Z - 4,472,485.444 (meters) COMP
 PX0263 LAPLACE CORR - 8.67 (seconds) DEFLEC18
 PX0263 DYNAMIC HEIGHT - 1213.970 (meters) 3982.83 (feet) COMP
 PX0263 MODELED GRAVITY - 980,192.4 (mgal) NAVD 88
 PX0263
 PX0263 VERT ORDER - FIRST CLASS II
 PX0263
 PX0263 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 PX0263 Standards:
 PX0263 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
 PX0263 Horiz Ellip SD_N SD_E SD_h (unitless)
 PX0263 -----
 PX0263 NETWORK 1.96 5.14 0.91 0.64 2.62 -0.02869498
 PX0263 -----
 PX0263 Click [here](#) for local accuracies and other accuracy information.
 PX0263
 PX0263
 PX0263.The horizontal coordinates were established by GPS observations
 PX0263.and adjusted by the National Geodetic Survey in June 2012.
 PX0263
 PX0263.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 PX0263.been affixed to the stable North American tectonic plate. See
 PX0263.[NA2011](#) for more information.
 PX0263
 PX0263.The horizontal coordinates are valid at the epoch date displayed above
 PX0263.which is a decimal equivalence of Year/Month/Day.
 PX0263
 PX0263.The orthometric height was determined by differential leveling and
 PX0263.adjusted by the NATIONAL GEODETIC SURVEY
 PX0263.in June 1991.
 PX0263
 PX0263.Significant digits in the geoid height do not necessarily reflect accuracy.
 PX0263.GEOID18 height accuracy estimate available [here](#).
 PX0263
 PX0263.Click [photographs](#) - Photos may exist for this station.
 PX0263
 PX0263.The X, Y, and Z were computed from the position and the ellipsoidal ht.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0263
 PX0263.The Laplace correction was computed from DEFLEC18 derived deflections.
 PX0263

PX0263.The ellipsoidal height was determined by GPS observations
 PX0263.and is referenced to NAD 83.

PX0263
 PX0263.The dynamic height is computed by dividing the NAVD 88
 PX0263.geopotential number by the normal gravity value computed on the
 PX0263.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 PX0263.degrees latitude (g = 980.6199 gals.).

PX0263
 PX0263.The modeled gravity was interpolated from observed gravity values.

PX0263. The following values were computed from the NAD 83(2011) position.

PX0263

PX0263;	North	East	Units	Scale	Factor	Converg.
PX0263;SPC WYEC	- 578,185.823	319,941.100	MT	1.00001629	-0 42 47.1	
PX0263;SPC WYEC	- 1,896,931.32	1,049,673.43	sFT	1.00001629	-0 42 47.1	
PX0263;UTM 12	- 4,964,209.827	709,959.650	MT	1.00014211	+1 52 16.7	

PX0263

PX0263!	Elev Factor	x	Scale Factor	=	Combined Factor
PX0263!SPC WYEC	- 0.99981165	x	1.00001629	=	0.99982794
PX0263!UTM 12	- 0.99981165	x	1.00014211	=	0.99995373

PX0263

PX0263:	Primary Azimuth Mark	Grid Az
PX0263:SPC WYEC	- LAKE AZ MK	302 01 31.4
PX0263:UTM 12	- LAKE AZ MK	299 26 27.6

PX0263
 PX0263_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TYQ0995964209(NAD 83)
 PX0263

PX0263

PX0263	PID	Reference Object	Distance	Geod. Az
PX0263				dddmsss.s
PX0263	CQ6028	LAKE RM 1	12.957 METERS	13324
PX0263	CQ6029	LAKE RM 2	13.053 METERS	22308
PX0263	PX0262	LAKE AZ MK		3011844.3
PX0263	PX0334	LOVELL GREAT WESTERN SUGAR STK	APPROX. 6.3 KM	3105555.9
PX0263	PX0333	LOVELL GREAT WESTERN SUGAR TK	APPROX. 6.3 KM	3114349.8
PX0263	PX0330	LOVELL MUNICIPAL TANK	APPROX. 5.5 KM	3171945.0
PX0263	PX0020	E 25	83.560 METERS	32340

PX0263

SUPERSEDED SURVEY CONTROL							
PX0263	NAD 83(2007)-	44 48 01.54894(N)	108 20 42.94482(W)	AD(2002.00)	0		
PX0263	ELLIP H (02/10/07)	1201.541 (m)		GP(2002.00)			
PX0263	ELLIP H (05/11/01)	1201.625 (m)		GP()	4 1		
PX0263	NAD 83(1993)-	44 48 01.54811(N)	108 20 42.94377(W)	AD()	B		
PX0263	ELLIP H (10/19/94)	1201.600 (m)		GP()	4 1		
PX0263	NAD 83(1986)-	44 48 01.53758(N)	108 20 42.92720(W)	AD()	1		
PX0263	NAD 27	- 44 48 01.70520(N)	108 20 40.51830(W)	AD()	1		
PX0263	NAVD 88	1214.44 (m)	3984.4 (f)	LEVELING	3		
PX0263	NAVD 88	1214.44 (m)	3984.4 (f)	LEVELING	3		
PX0263	NGVD 29 (06/08/92)	1213.590 (m)	3981.59 (f)	ADJUSTED	1 2		
PX0263	NGVD 29	1213.55 (m)	3981.5 (f)	LEVELING	3		

PX0263

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0263.Superseded values are not recommended for survey control.
 PX0263
 PX0263.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 PX0263.See file [dsdata.pdf](#) to determine how the superseded data were derived.

PX0263
 PX0263_MARKER: DS = TRIANGULATION STATION DISK
 PX0263_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 PX0263_STAMPING: LAKE 1957
 PX0263_MARK LOGO: CGS
 PX0263_PROJECTION: PROJECTING 10 CENTIMETERS
 PX0263_MAGNETIC: N = NO MAGNETIC MATERIAL
 PX0263_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
 PX0263_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 PX0263+SATELLITE: SATELLITE OBSERVATIONS - December 28, 1995

PX0263	HISTORY	- Date	Condition	Report By
PX0263	HISTORY	- 1957	MONUMENTED	CGS
PX0263	HISTORY	- 1972	GOOD	NGS
PX0263	HISTORY	- 1982	GOOD	NGS
PX0263	HISTORY	- 19820717	GOOD	NGS
PX0263	HISTORY	- 1986	GOOD	
PX0263	HISTORY	- 19931025	GOOD	NGS
PX0263	HISTORY	- 19951228	GOOD	MTDOT

PX0263

PX0263 STATION DESCRIPTION

PX0263

PX0263'DESCRIBED BY COAST AND GEODETIC SURVEY 1957 (OSR)
 PX0263'STATION IS ABOUT 3 MILES SOUTH AND 3 MILES EAST OF LOVELL AND
 PX0263'ON A LOW RIDGE ABOUT 0.05 MILE SOUTHWEST OF U.S. HIGHWAY 310.
 PX0263'
 PX0263'TO REACH FROM THE JUNCTION OF U.S. HIGHWAY 310 AND STATE
 PX0263'HIGHWAY 14 IN THE EAST EDGE OF LOVELL, GO SOUTHERLY ON U.S.
 PX0263'HIGHWAY 310 FOR 2.8 MILES TO AZIMITH MARK ON RIGHT. CONTINUE
 PX0263'ON HIGHWAY FOR 0.15 MILE TO CENTER OF LAKE ON EITHER SIDE OF
 PX0263'HIGHWAY. CONTINUE SOUTHERLY ON HIGHWAY FOR 0.85 MILE TO A SIGN
 PX0263'ON LEFT HASKELL FURNITURE COMPANY AND SIDE ROAD RIGHT. TURN
 PX0263'RIGHT, WEST, AND GO FOR 0.05 MILE, THENCE RIGHT FOR A FEW
 PX0263'YARDS TO HIGHEST POINT OF RIDGE AND STATION.

PX0263'

PX0263'STATION MARKS ARE STANDARD DISKS, STAMPED LAKE 1957. THE
 PX0263'UNDERGROUND MARK IS SET IN AN IRREGULAR MASS OF CONCRETE 30
 PX0263'INCHES BELOW GROUND SURFACE. THE SURFACE MARK IS SET IN THE
 PX0263'TOP OF A 12 INCH SQUARE, CONCRETE POST WHICH PROJECTS ABOUT 4
 PX0263'INCHES. IT IS 209 FEET SOUTHWEST OF THE CENTER OF THE
 PX0263'INTERSECTION OF THE HIGHWAY AND GRAVEL ROAD, 83 FEET NORTHWEST
 PX0263'OF THE GRAVEL ROAD CENTER AND 225 FEET SOUTH OF HIGHWAY 310.
 PX0263'A 4 IN X 4 IN WHITE WITNESS POST WAS SET 3 FEET NORTHWEST OF
 PX0263'THE MARK.

PX0263'

PX0263'REFERENCE MARK 1 IS A STANDARD DISK, STAMPED LAKE NO 1 1957. IT
 PX0263'IS SET IN THE TOP OF A 12 INCH SQUARE, CONCRETE POST WHICH
 PX0263'PROJECTS 5 INCHES AND IS 43 FEET NORTHWEST OF THE GRAVEL ROAD
 PX0263'CENTER.

PX0263'

PX0263'REFERENCE MARK 2 IS A STANDARD DISK, STAMPED LAKE NO 2 1957.
 PX0263'IT IS SET IN THE TOP OF A 12 INCH SQUARE, CONCRETE POST WHICH

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0263'PROJECTS 5 INCHES AND IS 97 FEET NORTHWEST OF THE GRAVEL ROAD
PX0263'CENTER.

PX0263'

PX0263'AZIMUTH MARK IS A STANDARD DISK, STAMPED LAKE 1957. IT IS
PX0263'SET IN THE TOP OF A 12 INCH SQUARE, CONCRETE POST WHICH
PX0263'PROJECTS 4 INCHES. IT IS 49 FEET SOUTHWEST OF HIGHWAY 310,
PX0263'20 FEET EAST OF A NORTH-SOUTH FENCELINE, 18 FEET WEST OF A DIRT
PX0263'ROAD CENTER AND 2 FEET SOUTH OF A POWERLINE POLE. A 4 IN X 4 IN
PX0263'WHITE WITNESS POST WAS SET 1 FOOT NORTHEAST OF THE MARK.

PX0263'

PX0263'BENCH MARK IS A COAST AND GEODETIC SURVEY BRONZE BENCH MARK
PX0263'DISK, STAMPED E 25 1933 ELEV. 3945.278. IT IS SET IN THE TOP OF
PX0263'A 12 INCH SQUARE, CONCRETE POST WHICH PROJECTS 4 INCHES. IT
PX0263'IS 147 FEET SOUTH OF THE CENTER OF A DIRT ROAD AND 43 FEET
PX0263'SOUTHWEST OF HIGHWAY 310.

PX0263

PX0263

STATION RECOVERY (1972)

PX0263

PX0263'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1972 (WMJ)
PX0263'THE STATION MARK, REFERENCE MARKS 1 AND 2, THE AZIMUTH MARK AND
PX0263'THE BENCH MARK WERE RECOVERED AND FOUND TO BE IN GOOD CONDITION.
PX0263'THE DISTANCE AND DIRECTION TO THE REFERENCE MARKS AND THE
PX0263'AZIMUTH MARK COMPARED FAVORABLY WITH THE 1957 OBSERVATIONS.
PX0263'THE DISTANCE TO THE BENCH MARK WAS FOUND TO BE SHORTER BY 0.382
PX0263'METER. BECAUSE OF CHANGES IN THE ROADS IN THE AREA A COMPLETE
PX0263'NEW DESCRIPTION FOLLOWS--

PX0263'

PX0263'THE STATION IS LOCATED ABOUT 4 MILES SOUTHEAST OF LOVELL, 1.5
PX0263'MILES EAST OF U.S. HIGHWAY 310, 0.4 MILE EAST OF LOVELL LAKES
PX0263'AND ON THE NORTH END OF A LOW RIDGE OVERLOOKING THE LAKES.
PX0263'THE PROPERTY IS OWNED BY THE U.S. GOVERNMENT AND CONTROLLED BY
PX0263'THE BUREAU OF LAND MANAGEMENT, WORLAND DISTRICT.

PX0263'

PX0263'TO REACH THE STATION FROM THE INTERSECTION OF MAIN STREET
PX0263'(U.S. HIGHWAY 310) AND NEVADA AVENUE IN LOVELL GO EAST AND
PX0263'SOUTH ON U.S. HIGHWAY 310 FOR 2.4 MILES TO A SURFACED CROSSROAD.
PX0263'TURN LEFT AND GO EAST ON THE SURFACED ROAD FOR 0.6 MILE TO THE
PX0263'AZIMUTH MARK ON THE RIGHT. CONTINUE EASTERLY ON THE
PX0263'SURFACED ROAD FOR 1.0 MILES TO THE BENCH MARK ON THE RIGHT AND A
PX0263'SIDE ROAD RIGHT. TURN RIGHT AND GO SOUTH ON THE BLADED ROAD
PX0263'FOR ABOUT 200 FEET TO THE TOP OF THE RIDGE AND THE STATION ON
PX0263'THE RIGHT.

PX0263'

PX0263'THE STATION MARK IS A STANDARD DISK STAMPED LAKE 1957, SET
PX0263'IN THE TOP OF A 10-INCH SQUARE CONCRETE MONUMENT THAT PROJECTS
PX0263'4 INCHES ABOVE THE GROUND SURFACE, IT IS 87 FEET WEST OF THE
PX0263'CENTER OF THE BLADED ROAD.

PX0263'

PX0263'REFERENCE MARK 1 IS A STANDARD DISK STAMPED LAKE NO 1 1957,
PX0263'SET IN THE TOP OF A 10-INCH SQUARE CONCRETE MONUMENT THAT
PX0263'PROJECTS 4 INCHES ABOVE THE GROUND SURFACE. IT IS 46 FEET
PX0263'WEST OF THE CENTER OF THE BLADED ROAD AND ABOUT 1 FOOT LOWER
PX0263'THAN THE STATION.

PX0263'

PX0263'REFERENCE MARK 2 IS A STANDARD DISK STAMPED LAKE NO 2 1957,
PX0263'SET IN THE TOP OF A 10-INCH SQUARE CONCRETE MONUMENT THAT

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0263'3.08 KM (1.90 MI) TO A PAVED CROSSROAD. TURN LEFT, EAST, ON LANE 13
PX0263'FOR 0.94 KM (0.60 MI) TO A GRAVEL ROAD LEFT AND THE AZIMUTH MARK ON
PX0263'THE RIGHT. CONTINUE AHEAD FOR 1.59 KM (1.00 MI) TO BENCH MARK E 25 ON
PX0263'THE RIGHT JUST BEFORE REACHING A DIRT ROAD RIGHT. CONTINUE AHEAD FOR
PX0263'0.06 KM (0.05 MI) TO THE DIRT ROAD RIGHT. TURN RIGHT, SOUTH, ON ROAD
PX0263'FOR 0.08 KM (0.05 MI) TO THE STATION ON THE RIGHT. STATION MARK IS SET
PX0263'IN THE TOP OF A 25-CM SQUARE CONCRETE POST PROJECTING 15 CM ABOVE
PX0263'GROUND. IT IS 24.0 M (78.7 FT) WEST OF, AND 3 M (9.8 FT) HIGHER THAN
PX0263'THE ROAD CENTER, 9.5 M (31.2 FT) WEST OF THE EAST EDGE OF THE HILL,
PX0263'0.3 M (1.0 FT) WEST OF A FIBERGLASS WITNESS POST, AND 1.0 M (3.3 FT)
PX0263'SOUTHEAST OF A METAL WITNESS POST. DESCRIBED BY G.R.HEID

PX0263

STATION RECOVERY (1995)

PX0263

PX0263

PX0263'RECOVERY NOTE BY MONTANA DEPARTMENT OF TRANSPORTATION 1995 (DRD)

PX0263'RECOVERED AS DESCRIBED.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JULY 16, 2021
 PX0087 *****
 PX0087 DESIGNATION - N 83
 PX0087 PID - PX0087
 PX0087 STATE/COUNTY- WY/PARK
 PX0087 COUNTRY - US
 PX0087 USGS QUAD - SLEEPERS RANCH (2017)
 PX0087
 PX0087 *CURRENT SURVEY CONTROL
 PX0087
 PX0087* NAD 83(2011) POSITION- 44 15 04.65581(N) 108 51 39.30914(W) ADJUSTED
 PX0087* NAD 83(2011) ELLIP HT- 1731.484 (meters) (06/27/12) ADJUSTED
 PX0087* NAD 83(2011) EPOCH - 2010.00
 PX0087* [NAVD 88](#) ORTHO HEIGHT - 1743.404 (meters) 5719.82 (feet) ADJUSTED
 PX0087
 PX0087 GEOID HEIGHT - -11.915 (meters) GEOID18
 PX0087 NAD 83(2011) X - -1,479,705.331 (meters) COMP
 PX0087 NAD 83(2011) Y - -4,331,504.196 (meters) COMP
 PX0087 NAD 83(2011) Z - 4,429,342.930 (meters) COMP
 PX0087 LAPLACE CORR - -15.56 (seconds) DEFLEC18
 PX0087 DYNAMIC HEIGHT - 1742.454 (meters) 5716.70 (feet) COMP
 PX0087 MODELED GRAVITY - 980,011.5 (mgal) NAVD 88
 PX0087
 PX0087 VERT ORDER - SECOND CLASS 0
 PX0087
 PX0087 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 PX0087 Standards:
 PX0087 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
 PX0087 Horiz Ellip SD_N SD_E SD_h (unitless)
 PX0087 -----
 PX0087 NETWORK 1.85 1.92 0.39 0.92 0.98 -0.17178447
 PX0087 -----
 PX0087 Click [here](#) for local accuracies and other accuracy information.
 PX0087
 PX0087
 PX0087.The horizontal coordinates were established by GPS observations
 PX0087.and adjusted by the National Geodetic Survey in June 2012.
 PX0087
 PX0087.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 PX0087.been affixed to the stable North American tectonic plate. See
 PX0087.[NA2011](#) for more information.
 PX0087
 PX0087.The horizontal coordinates are valid at the epoch date displayed above
 PX0087.which is a decimal equivalence of Year/Month/Day.
 PX0087
 PX0087.The orthometric height was determined by differential leveling and
 PX0087.adjusted by the NATIONAL GEODETIC SURVEY
 PX0087.in June 1991.
 PX0087
 PX0087.Significant digits in the geoid height do not necessarily reflect accuracy.
 PX0087.GEOID18 height accuracy estimate available [here](#).
 PX0087
 PX0087.Click [photographs](#) - Photos may exist for this station.
 PX0087
 PX0087.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 PX0087

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0087.The Laplace correction was computed from DEFLEC18 derived deflections.
 PX0087

PX0087.The ellipsoidal height was determined by GPS observations
 PX0087.and is referenced to NAD 83.

PX0087

PX0087.The dynamic height is computed by dividing the NAVD 88
 PX0087.geopotential number by the normal gravity value computed on the
 PX0087.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 PX0087.degrees latitude (g = 980.6199 gals.).

PX0087

PX0087.The modeled gravity was interpolated from observed gravity values.

PX0087

PX0087. The following values were computed from the NAD 83(2011) position.

PX0087

PX0087;		North	East	Units	Scale	Factor	Converg.
PX0087;SPC WYWC	-	416,675.934	591,141.781	MT	0.99993846	-0 04	38.6
PX0087;SPC WYWC	-	1,367,044.29	1,939,437.66	sFT	0.99993846	-0 04	38.6
PX0087;UTM 12	-	4,902,009.076	670,774.498	MT	0.99995868	+1 29	34.9
PX0087!	-	Elev Factor	x	Scale Factor	=	Combined Factor	
PX0087!SPC WYWC	-	0.99972858	x	0.99993846	=	0.99966705	
PX0087!UTM 12	-	0.99972858	x	0.99995868	=	0.99968727	

PX0087

PX0087_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TXQ7077402009(NAD 83)

PX0087

PX0087 SUPERSEDED SURVEY CONTROL

PX0087

PX0087	NAD 83(2007)-	44 15 04.65550(N)	108 51 39.31020(W)	AD(2002.00)	0
PX0087	ELLIP H (02/10/07)	1731.519 (m)		GP(2002.00)	
PX0087	NAD 83(1993)-	44 15 04.65496(N)	108 51 39.31008(W)	AD()	A
PX0087	ELLIP H (02/28/01)	1731.524 (m)		GP()	2 1
PX0087	NAVD 88 (02/28/01)	1743.3 (m)	GEOID99 model used	GPS OBS	
PX0087	NGVD 29 (??/??/92)	1742.340 (m)	5716.33 (f)	ADJ UNCH	2 0

PX0087

PX0087.Superseded values are not recommended for survey control.

PX0087

PX0087.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

PX0087.See file [dsdata.pdf](#) to determine how the superseded data were derived.

PX0087

PX0087_MARKER: DB = BENCH MARK DISK

PX0087_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

PX0087_STAMPING: N 83 1934

PX0087_MARK LOGO: CGS

PX0087_MAGNETIC: N = NO MAGNETIC MATERIAL

PX0087_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

PX0087+STABILITY: SURFACE MOTION

PX0087_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

PX0087+SATELLITE: SATELLITE OBSERVATIONS - September 11, 1999

PX0087

PX0087	HISTORY	- Date	Condition	Report By
PX0087	HISTORY	- 1934	MONUMENTED	CGS
PX0087	HISTORY	- 19990911	GOOD	LOCSUR

PX0087

PX0087

PX0087

PX0087

PX0087

PX0087'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0087'8.6 MI NW FROM MEETEETSE.

PX0087'ABOUT 8.6 MILES NORTHWEST ALONG STATE HIGHWAY 120 FROM THE POST OFFICE
PX0087'AT MEETEETSE, PARK COUNTY, ABOUT 1.3 MILES NORTHWEST OF COTTONWOOD
PX0087'CREEK, ABOUT 200 FEET SOUTH OF THE CENTER LINE OF THE HIGHWAY, ABOUT
PX0087'175 FEET SOUTHEAST OF A CONCRETE CULVERT, ACROSS A DEEP GULLY SOUTH OF
PX0087'AN OLD ROAD BED, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD
PX0087'DISK, STAMPED N 83 1934 AND SET IN THE TOP OF A CONCRETE POST.

PX0087

PX0087

STATION RECOVERY (1999)

PX0087

PX0087'RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1999 (KDJ)
PX0087'THE STATION IS LOCATED IN PARK COUNTY, WYOMING 21.1 MILES (34.0 KM) SE
PX0087'OF CODY, WYOMING AND 6.9 MILES (11.1 KM) NW OF MEETEETSE, JUST OUTSIDE
PX0087'OF THE WESTERLY RIGHT-OF-WAY OF WY HIGHWAY 120, 1.5 MI (2.4 KM) SOUTH
PX0087'OF THE MEETEETSE RIM AND JUST SOUTH OF A SMALL STOCK POND ON AN
PX0087'UNNAMED DRAW. OWNERSHIP--U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF
PX0087'LAND MANAGEMENT, WYOMING LAND OFFICE, CHEYENNE. TO REACH THE STATION
PX0087'FROM THE INTERSECTION OF WYOMING HIGHWAY 120 AND PARK COUNTY ROAD 3LE
PX0087'(AKA LOWER GREYBULL RIVER ROAD OR BURLINGTON - MEETEETSE RD) , SAID
PX0087'INTERSECTION BEING 5.0 MILES (8.0 KM) NW OF MEETEETSE AND 23 MILES
PX0087'(37.0 KM) SE OF CODY ON US HIGHWAY 120, GO 1.7 MILES (2.7 KM) NW ON WY
PX0087'HIGHWAY 120 TO A GRAVELLED APPROACH AND ROW FENCE GATE, GO 0.2 MILES
PX0087'(0.3 KM) NW PARALLEL TO THE HIGHWAY TO STATION. THE STATION IS
PX0087'VISIBLE FROM THE HIGHWAY. THE STATION IS A STANDARD DISK STAMPED N 83
PX0087'1934 SET IN THE TOP OF A CONCRETE POST AND PROJECTING 12 INCHES ABOVE
PX0087'GROUND. DESCRIBED BY KEVIN D. JONES.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

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1      National Geodetic Survey,   Retrieval Date = MAY 20, 2021
OU0398 *****
OU0398 DESIGNATION - HAWK
OU0398 PID - OU0398
OU0398 STATE/COUNTY- WY/CAMPBELL
OU0398 COUNTRY - US
OU0398 USGS QUAD - NEIL BUTTE (2017)
OU0398
OU0398 *CURRENT SURVEY CONTROL
OU0398
OU0398* NAD 83(1993) POSITION- 43 56 33.27575(N) 105 20 33.66616(W) ADJUSTED
OU0398* NAVD 88 ORTHO HEIGHT - 1455.9 (meters) 4777. (feet) VERTCON
OU0398
OU0398 GEOID HEIGHT - -14.789 (meters) GEOID18
OU0398 LAPLACE CORR - -0.30 (seconds) DEFLEC18
OU0398 HORZ ORDER - FIRST
OU0398
OU0398.The horizontal coordinates were established by classical geodetic methods
OU0398.and adjusted by the National Geodetic Survey in January 1997.
OU0398.
OU0398.The NAVD 88 height was computed by applying the VERTCON shift value to
OU0398.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
OU0398
OU0398.Significant digits in the geoid height do not necessarily reflect accuracy.
OU0398.GEOID18 height accuracy estimate available here.
OU0398
OU0398.Click photographs - Photos may exist for this station.
OU0398
OU0398.The Laplace correction was computed from DEFLEC18 derived deflections.
OU0398
OU0398. The following values were computed from the NAD 83(1993) position.
OU0398
OU0398;
OU0398;          North          East          Units Scale Factor Converg.
OU0398;SPC WY E - 382,384.370 185,869.509 MT 0.99993995 -0 07 19.7
OU0398;SPC WY E - 1,254,539.39 609,806.88 sFT 0.99993995 -0 07 19.7
OU0398;UTM 13 - 4,865,552.053 472,499.040 MT 0.99960930 -0 14 16.1
OU0398
OU0398! - Elev Factor x Scale Factor = Combined Factor
OU0398!SPC WY E - 0.99977408 x 0.99993995 = 0.99971405
OU0398!UTM 13 - 0.99977408 x 0.99960930 = 0.99938347
OU0398
OU0398:          Primary Azimuth Mark          Grid Az
OU0398:SPC WY E - HAWK AZ MK 180 18 52.9
OU0398:UTM 13 - HAWK AZ MK 180 25 49.3
OU0398
OU0398_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TDJ7249965552(NAD 83)
OU0398
OU0398|-----|
OU0398| PID Reference Object Distance Geod. Az |
OU0398| | | | | | | | | |
OU0398| CQ3918 HAWK RM 1 13.526 METERS 17730 |
OU0398| CQ3917 HAWK AZ MK 1801133.2 |
OU0398| CQ3919 HAWK RM 2 14.825 METERS 26951 |
OU0398|-----|
OU0398
OU0398
OU0398 SUPERSEDED SURVEY CONTROL
  
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Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

OU0398
 OU0398 NAD 83(1986)- 43 56 33.25973(N) 105 20 33.63936(W) AD() 1
 OU0398 NAD 27 - 43 56 33.34800(N) 105 20 31.67800(W) AD() 1
 OU0398 NGVD 29 (07/19/86) 1455.1 (m) 4774. (f) VERT ANG
 OU0398
 OU0398.Superseded values are not recommended for survey control.
 OU0398
 OU0398.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 OU0398.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 OU0398
 OU0398_MARKER: DS = TRIANGULATION STATION DISK
 OU0398_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 OU0398_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 OU0398+SATELLITE: SATELLITE OBSERVATIONS - July 17, 2006
 OU0398

OU0398	HISTORY	- Date	Condition	Report By
OU0398	HISTORY	- 1955	MONUMENTED	CGS
OU0398	HISTORY	- 1962	GOOD	USFS
OU0398	HISTORY	- 20060717	GOOD	JCLS

 OU0398
 OU0398 STATION DESCRIPTION
 OU0398
 OU0398'DESCRIBED BY COAST AND GEODETIC SURVEY 1955 (RAG)
 OU0398'STATION, LOCATED ABOUT 25.5 MILES SOUTH-SOUTHEAST OF GILLETTE,
 OU0398'30.5 MILES SOUTHWEST OF MOORECROFT AND 5 MILES EAST OF U.S.
 OU0398'HIGHWAY 59, IS ON THE EAST RIGHT-OF-WAY OF A NORTH-SOUTH COUNTY
 OU0398'ROAD, AT THE POINT WHERE ROAD CROSSES THE SUMMIT OF A LOW GRASS
 OU0398'AND BRUSH-COVERED RIDGE. THE STATION RIDGE LIES IN AN EAST-WEST
 OU0398'DIRECTION AND RISES TO A HIGHER GRASS AND BRUSH COVERED SUMMIT
 OU0398'TO THE WEST.
 OU0398'
 OU0398'TO REACH FROM THE JUNCTION OF STATE HIGHWAY 59 AND U.S. HIGHWAYS
 OU0398'14 AND 16 ON THE EAST EDGE OF GILLETTE, DRIVE SOUTH ON STATE
 OU0398'HIGHWAY 59 FOR 24.7 MILES TO THE BELLE FOURCHE RIVER BRIDGE.
 OU0398'CROSS BRIDGE AND CONTINUE SOUTH ON HIGHWAY FOR 0.05 MILE TO A
 OU0398'T-ROAD LEFT. TURN LEFT, CROSS CATTLE GUARD AND DRIVE EAST ON
 OU0398'BLADED ROAD FOR 4.25 MILES TO A CROSS ROAD. CONTINUE EAST
 OU0398'ON BLADED ROAD FOR 1.2 MILES TO A CATTLE GUARD IN ROAD AND A
 OU0398'T-ROAD LEFT. TURN LEFT AND DRIVE NORTH FOR 1.65 MILES TO THE
 OU0398'AZIMUTH MARK ON THE RIGHT. CONTINUE NORTH ON BLADED ROAD FOR
 OU0398'0.5 MILE TO THE STATION ON THE RIGHT.
 OU0398'
 OU0398'SURFACE-STATION MARK, STAMPED HAWK 1955, IS A STANDARD DISK
 OU0398'SET IN THE TOP OF A CONCRETE POST WHICH IS 10 INCHES SQUARE
 OU0398'AND PROJECTS 4 INCHES ABOVE THE SURFACE OF THE GROUND. IT IS
 OU0398'27 FEET EAST OF THE CENTER OF BLADED ROAD AND 4.5 FEET WEST OF
 OU0398'A NORTH-SOUTH FENCE.
 OU0398'
 OU0398'UNDERGROUND-STATION MARK, STAMPED HAWK 1955, IS A STANDARD
 OU0398'DISK SET IN THE TOP OF A MASS OF CONCRETE 36 INCHES BELOW THE
 OU0398'SURFACE OF THE GROUND, ITS CENTER BEING PLUMB WITH THE CENTER
 OU0398'OF THE SURFACE-STATION MARK.
 OU0398'
 OU0398'REFERENCE MARK 1, STAMPED HAWK NO 1 1955, IS A STANDARD DISK
 OU0398'SET IN THE TOP OF A CONCRETE POST WHICH IS 10 INCHES SQUARE AND
 OU0398'PROJECTS ABOUT 3 INCHES ABOVE THE SURFACE OF THE GROUND. IT IS

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

OU0398'32 FEET EAST OF THE CENTER OF BLADED ROAD, 3 FEET WEST OF THE
OU0398'FENCE AND ABOUT 12 INCHES LOWER IN ELEVATION THAN THE STATION
OU0398'MARK.

OU0398'

OU0398'REFERENCE MARK 2, STAMPED HAWK NO 2 1955, IS A STANDARD DISK
OU0398'SET IN THE TOP OF A CONCRETE POST WHICH IS 10 INCHES SQUARE AND
OU0398'PROJECTS ABOUT 4 INCHES ABOVE THE SURFACE OF THE GROUND. IT IS
OU0398'21 FEET WEST OF THE BLADED ROAD AND ABOUT THE SAME ELEVATION
OU0398'AS THE STATION MARK.

OU0398'

OU0398'AZIMUTH MARK, STAMPED HAWK 1955, IS A STANDARD DISK SET IN THE
OU0398'TOP OF A CONCRETE POST WHICH IS 10 INCHES SQUARE AND PROJECTS
OU0398'ABOUT 3 INCHES ABOVE THE SURFACE OF THE GROUND. IT IS 12
OU0398'INCHES WEST OF A POWER LINE POLE AND 30 FEET WEST OF THE CENTER
OU0398'OF THE BLADED ROAD.

OU0398'

OU0398'OBSERVATIONS WERE MADE FROM THE TOP OF A 4 FOOT STAND.

OU0398

OU0398

STATION RECOVERY (1962)

OU0398

OU0398'RECOVERY NOTE BY US FOREST SERVICE 1962 (AWH)

OU0398'ALL STATION MARKS FOUND AS DESCRIBED AND IN GOOD CONDITION.

OU0398

OU0398

STATION RECOVERY (2006)

OU0398

OU0398'RECOVERY NOTE BY JOHN CHANCE LAND SURVEYS INC 2006

OU0398'RECOVERED IN GOOD CONDITION.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JUNE 7, 2021
 AA2134 *****
 AA2134 CBN - This is a Cooperative Base Network Control Station.
 AA2134 DESIGNATION - LA PRELE
 AA2134 PID - AA2134
 AA2134 STATE/COUNTY- WY/CONVERSE
 AA2134 COUNTRY - US
 AA2134 USGS QUAD - WARBONNETT PEAK (2017)
 AA2134
 AA2134 *CURRENT SURVEY CONTROL
 AA2134
 AA2134* NAD 83(2011) POSITION- 42 29 25.55517(N) 105 48 43.60643(W) ADJUSTED
 AA2134* NAD 83(2011) ELLIP HT- 2286.155 (meters) (06/27/12) ADJUSTED
 AA2134* NAD 83(2011) EPOCH - 2010.00
 AA2134* [NAVD 88](#) ORTHO HEIGHT - 2297.6 (meters) 7538. (feet) GPS OBS
 AA2134
 AA2134 NAVD 88 orthometric height was determined with geoid model GEOID93
 AA2134 GEOID HEIGHT - -10.95 (meters) GEOID93
 AA2134 GEOID HEIGHT - -11.285 (meters) GEOID18
 AA2134 NAD 83(2011) X - -1,283,959.432 (meters) COMP
 AA2134 NAD 83(2011) Y - -4,533,757.795 (meters) COMP
 AA2134 NAD 83(2011) Z - 4,287,475.283 (meters) COMP
 AA2134 LAPLACE CORR - -9.72 (seconds) DEFLEC18
 AA2134
 AA2134 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 AA2134 Standards:
 AA2134 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
 AA2134 Horiz Ellip SD_N SD_E SD_h (unitless)
 AA2134 -----
 AA2134 NETWORK 1.71 4.86 0.80 0.54 2.48 -0.07916374
 AA2134 -----
 AA2134 Click [here](#) for local accuracies and other accuracy information.
 AA2134
 AA2134
 AA2134.The horizontal coordinates were established by GPS observations
 AA2134.and adjusted by the National Geodetic Survey in June 2012.
 AA2134
 AA2134.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 AA2134.been affixed to the stable North American tectonic plate. See
 AA2134.[NA2011](#) for more information.
 AA2134
 AA2134.The horizontal coordinates are valid at the epoch date displayed above
 AA2134.which is a decimal equivalence of Year/Month/Day.
 AA2134
 AA2134.The orthometric height was determined by GPS observations and a
 AA2134.high-resolution geoid model.
 AA2134
 AA2134.Significant digits in the geoid height do not necessarily reflect accuracy.
 AA2134.GEOID18 height accuracy estimate available [here](#).
 AA2134
 AA2134.Click [photographs](#) - Photos may exist for this station.
 AA2134
 AA2134.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AA2134
 AA2134.The Laplace correction was computed from DEFLEC18 derived deflections.
 AA2134

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

AA2134'WEST, ON STATE HIGHWAY 91 FOR 4.78 KM (2.95 MI) TO A PAVED ROAD LEFT.
AA2134'TURN LEFT, SOUTH, ON HIGHWAY 91 FOR 32.31 KM (20.05 MI) TO A CATTLE
AA2134'GUARD JUST BEFORE PAVEMENT END. CONTINUE AHEAD ON COUNTY ROAD 16 FOR
AA2134'4.84 KM (3.00 MI) TO A FORK. BEAR RIGHT, SOUTHWEST, LEAVING ROAD 16,
AA2134'FOR 9.74 KM (6.05 MI) TO A CATTLE GUARD AT A LOG-GATHERING AREA.
AA2134'CONTINUE SOUTHWEST FOR 2.64 KM (1.65 MI) TO A BRIDGE OVER ROARING FORK
AA2134'CREEK. CONTINUE AHEAD FOR 0.83 KM (0.50 MI) TO THE STATION ON THE
AA2134'LEFT, 138 M (452.8 FT) BEFORE REACHING A CATTLE GUARD. STATION MARK IS
AA2134'SET FLUSH IN A DRILL HOLE IN THE TOP CENTER OF A 1 M (3.3 FT) X 0.6 M
AA2134'(2.0 FT) X 0.5 M (1.6 FT) HIGH BOULDER. IT IS 27.0 M (88.6 FT)
AA2134'SOUTHEAST OF, AND 1.5 M (4.9 FT) HIGHER THAN THE ROAD CENTER, AND 56.1
AA2134'M (184.1 FT) EAST OF A SIGN LEAVING NATIONAL FOREST LAND. DESCRIBED BY
AA2134'G.R.HEID

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JUNE 14, 2021
 OU0415 *****
 OU0415 CBN - This is a Cooperative Base Network Control Station.
 OU0415 DESIGNATION - BILL
 OU0415 PID - OU0415
 OU0415 STATE/COUNTY- WY/CONVERSE
 OU0415 COUNTRY - US
 OU0415 USGS QUAD - DUGOUT CREEK SOUTH (2018)
 OU0415
 OU0415 *CURRENT SURVEY CONTROL
 OU0415
 OU0415* NAD 83(2011) POSITION- 43 15 59.80384(N) 105 17 33.98639(W) ADJUSTED
 OU0415* NAD 83(2011) ELLIP HT- 1448.915 (meters) (06/27/12) ADJUSTED
 OU0415* NAD 83(2011) EPOCH - 2010.00
 OU0415* [NAVD 88](#) ORTHO HEIGHT - 1464.2 (meters) 4804. (feet) GPS OBS
 OU0415
 OU0415 NAVD 88 orthometric height was determined with geoid model GEOID93
 OU0415 GEOID HEIGHT - -14.79 (meters) GEOID93
 OU0415 GEOID HEIGHT - -15.421 (meters) GEOID18
 OU0415 NAD 83(2011) X - -1,227,171.353 (meters) COMP
 OU0415 NAD 83(2011) Y - -4,488,006.741 (meters) COMP
 OU0415 NAD 83(2011) Z - 4,350,109.995 (meters) COMP
 OU0415 LAPLACE CORR - -1.13 (seconds) DEFLEC18
 OU0415
 OU0415 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 OU0415 Standards:
 OU0415 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
 OU0415 Horiz Ellip SD_N SD_E SD_h (unitless)
 OU0415 -----
 OU0415 NETWORK 1.19 3.29 0.56 0.38 1.68 -0.03314015
 OU0415 -----
 OU0415 Click [here](#) for local accuracies and other accuracy information.
 OU0415
 OU0415
 OU0415.The horizontal coordinates were established by GPS observations
 OU0415.and adjusted by the National Geodetic Survey in June 2012.
 OU0415
 OU0415.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 OU0415.been affixed to the stable North American tectonic plate. See
 OU0415.[NA2011](#) for more information.
 OU0415
 OU0415.The horizontal coordinates are valid at the epoch date displayed above
 OU0415.which is a decimal equivalence of Year/Month/Day.
 OU0415
 OU0415.The orthometric height was determined by GPS observations and a
 OU0415.high-resolution geoid model.
 OU0415
 OU0415.Significant digits in the geoid height do not necessarily reflect accuracy.
 OU0415.GEOID18 height accuracy estimate available [here](#).
 OU0415
 OU0415.Click [photographs](#) - Photos may exist for this station.
 OU0415
 OU0415.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 OU0415
 OU0415.The Laplace correction was computed from DEFLEC18 derived deflections.
 OU0415

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

OU0415.The ellipsoidal height was determined by GPS observations
 OU0415.and is referenced to NAD 83.
 OU0415
 OU0415. The following values were computed from the NAD 83(2011) position.
 OU0415
 OU0415;

	North	East	Units	Scale Factor	Converg.
OU0415;SPC WY E	- 307,279.018	189,762.297	MT	0.99993879	-0 05 11.2
OU0415;SPC WY E	- 1,008,131.24	622,578.47	sFT	0.99993879	-0 05 11.2
OU0415;UTM 13	- 4,790,463.925	476,239.905	MT	0.99960694	-0 12 02.4

 OU0415
 OU0415!

	Elev Factor	x	Scale Factor	=	Combined Factor
OU0415!SPC WY E	- 0.99977283	x	0.99993879	=	0.99971164
OU0415!UTM 13	- 0.99977283	x	0.99960694	=	0.99937986

 OU0415
 OU0415:

	Primary Azimuth Mark	Grid Az
OU0415:SPC WY E	- 209 C4	141 44 44.2
OU0415:UTM 13	- 209 C4	141 51 35.4

 OU0415
 OU0415_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TDH7623990463(NAD 83)
 OU0415

PID	Reference Object	Distance	Geod. Az
			ddmmss.s
OU0415 CP9651	209 C4		1413933.0
OU0415 CP9652	BILL RM 1	6.380 METERS	15805
OU0415 CP9653	BILL RM 2	8.699 METERS	30750

 OU0415
 OU0415

SUPERSEDED SURVEY CONTROL

 OU0415

OU0415	NAD 83(2007)-	43 15 59.80364(N)	105 17 33.98746(W)	AD(2002.00)	0
OU0415	ELLIP H (02/10/07)	1448.942 (m)		GP(2002.00)	
OU0415	ELLIP H (09/07/01)	1448.967 (m)		GP()	4 1
OU0415	NAD 83(1993)-	43 15 59.80269(N)	105 17 33.98750(W)	AD()	B
OU0415	ELLIP H (10/19/94)	1449.022 (m)		GP()	4 1
OU0415	NAD 83(1986)-	43 15 59.78341(N)	105 17 33.96941(W)	AD()	2
OU0415	NAD 27	- 43 15 59.90000(N)	105 17 32.03600(W)	AD()	2
OU0415	NGVD 29 (07/19/86)	1463.1 (m)	4800. (f)	VERT ANG	

 OU0415
 OU0415.Superseded values are not recommended for survey control.
 OU0415
 OU0415.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 OU0415.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 OU0415
 OU0415_MARKER: DD = SURVEY DISK
 OU0415_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 OU0415_STAMPING: BILL 1955
 OU0415_MARK LOGO: USGS
 OU0415_MAGNETIC: N = NO MAGNETIC MATERIAL
 OU0415_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 OU0415+STABILITY: SURFACE MOTION
 OU0415_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 OU0415+SATELLITE: SATELLITE OBSERVATIONS - August 27, 2001
 OU0415

HISTORY	Date	Condition	Report By
OU0415	- 1955	MONUMENTED	USGS

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

OU0415 HISTORY - 1985 GOOD DMA
OU0415 HISTORY - 19930612 GOOD NGS
OU0415 HISTORY - 20010827 GOOD WYHD

OU0415

OU0415 STATION DESCRIPTION

OU0415

OU0415'DESCRIBED BY US GEOLOGICAL SURVEY 1955 (RAG)
OU0415'THE STATION IS LOCATED ABOUT 75 MILES SOUTH OF GILLETTE AND
OU0415'2.8 MILES NORTH-NORTHWEST OF BILL SERVICE STATION AND POST
OU0415'OFFICE, ON THE SUMMIT OF A GRASS-COVERED EAST-WEST RIDGE AT
OU0415'THE POINT WHERE THE STATE HIGHWAY CROSSES THE RIDGE.
OU0415'
OU0415'TO REACH THE STATION FROM BILL POST OFFICE DRIVE NORTHWEST ON
OU0415'STATE HIGHWAY 59 FOR 1.0 MILE TO THE AZIMUTH MARK ON THE LEFT.
OU0415'CONTINUE NORTHWEST ON HIGHWAY 59 FOR 1.8 MILES TO THE SUMMIT
OU0415'OF THE RIDGE AND THE STATION ON THE RIGHT.

OU0415'

OU0415'THE STATION MARK IS A STANDARD GEOLOGICAL SURVEY BENCH MARK
OU0415'DISK SET IN THE TOP OF A CONCRETE POST WHICH IS 6 INCHES
OU0415'SQUARE, PROJECTS 6 INCHES ABOVE THE GROUND AND IS STAMPED
OU0415'BILL 1955. IT IS 56 FEET NORTHEAST OF THE CENTER OF STATE
OU0415'HIGHWAY 59, 8.6 FEET NORTH OF A WHITE WITNESS POST AND 8 FEET
OU0415'NORTHEAST OF A FENCE.

OU0415'

OU0415'REFERENCE MARK 1, STAMPED BILL USGS NO 1 1955, IS A STANDARD
OU0415'COAST AND GEODETIC SURVEY REFERENCE MARK DISK SET IN THE TOP
OU0415'OF A CONCRETE POST WHICH IS 10 INCHES SQUARE, PROJECTS 8 INCHES
OU0415'ABOVE GROUND. IT IS 50 FEET NORTHEAST OF THE CENTER OF STATE
OU0415'HIGHWAY 59 AND 1.9 FEET NORTHEAST OF A FENCE.

OU0415'

OU0415'REFERENCE MARK 2, STAMPED BILL USGS NO 2 1955, IS A STANDARD
OU0415'COAST AND GEODETIC REFERENCE DISK SET IN THE TOP OF A CONCRETE
OU0415'POST WHICH IS 10 INCHES SQUARE AND FLUSH WITH THE SURFACE OF
OU0415'THE GROUND.

OU0415'

OU0415'THE AZIMUTH MARK IS A STANDARD WYOMING STATE HIGHWAY RIGHT-OF-WAY
OU0415'MARKER DISK STAMPED 209 C4 STA 1971 + 00 EL. 4748.79, SET IN
OU0415'THE TOP OF A CONCRETE POST WHICH IS 6 INCHES SQUARE AND PROJECTS
OU0415'8 INCHES ABOVE GROUND. IT IS 100 FEET WEST OF THE CENTER
OU0415'OF STATE HIGHWAY 59 AND 2 FEET WEST OF A FENCE.

OU0415'

OU0415'OBSERVATIONS WERE MADE FROM A 4 FOOT TRIPOD.

OU0415

OU0415 STATION RECOVERY (1985)

OU0415

OU0415'RECOVERY NOTE BY DEFENSE MAP AGENCY 1985 (RSB)

OU0415'BILL 1955 FOUND GOOD.

OU0415'

OU0415'STATION AND REFERENCE MARKS RECOVERED AS DESCRIBED.

OU0415'

OU0415'AZIMUTH MARK NOT RECOVERED.

OU0415

OU0415

OU0415

STATION RECOVERY (1993)

OU0415'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)

OU0415'STATION MARK AND REFERENCE MARKS 1 AND 2 WERE RECOVERED IN GOOD

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

OU0415'CONDITION. NO DATA AVAILABLE ON POSSIBLE AZIMUTH MARK. PROPOSED
OU0415'HIGHWAY WIDENING WILL COME CLOSE TO THE STATION. THE REFERENCE MARKS
OU0415'WILL PROBABLY BE DESTROYED. STATION IS LOCATED ABOUT 55 KM (34.15 MI)
OU0415'NORTH OF DOUGLAS, 115 KM (71.45 MI) SOUTH OF GILLETTE, 4.5 KM (2.80
OU0415'MI) NORTH-NORTHWEST OF BILL, ALONG STATE HIGHWAY 59, AT MILE 38.3, ON
OU0415'TOP OF A RISE, AT A 2 M (6.6 FT) HIGH CUTBANK, IN CENTRAL SECTION 17,
OU0415'T 38 N, R 70 W. OWNERSHIP--U.S. DEPARTMENT OF AGRICULTURE. TO REACH
OU0415'FROM THE POST OFFICE IN BILL, AT THE JUNCTION OF STATE HIGHWAY 59 AND
OU0415'COUNTY ROAD 38, GO NORTH ON HIGHWAY 59 FOR 3.99 KM (2.45 MI) TO A
OU0415'CROSSROAD. CONTINUE AHEAD FOR 0.71 KM (0.45 MI) TO TOP OF RISE AND
OU0415'THE STATION ON THE RIGHT. STATION MARK IS SET IN THE TOP OF A 20-CM
OU0415'SQUARE CONCRETE POST PROJECTING 10 CM ABOVE GROUND. IT IS 0.9 M (3.0
OU0415'FT) NORTHEAST OF A FIBERGLASS WITNESS POST IN THE FENCE LINE, 17.3 M
OU0415'(56.8 FT) NORTHEAST OF, AND 2 M (6.6 FT) HIGHER THAN THE HIGHWAY
OU0415'CENTER, 39.5 M (129.6 FT) WEST-NORTHWEST OF POWERLINE POLE L1/52, AND
OU0415'47.9 M (157.2 FT) SOUTHEAST OF THE SOUTHEAST GATEPOST AT A FIELD
OU0415'ENTRANCE. DESCRIBED BY G.R.HEID
OU0415
OU0415 STATION RECOVERY (2001)
OU0415
OU0415'RECOVERY NOTE BY WYOMING HIGHWAY DEPARTMENT 2001 (JE)
OU0415'RECOVERED IN GOOD CONDITION.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = MAY 10, 2021
 PV0277 *****
 PV0277 DESIGNATION - D 122
 PV0277 PID - PV0277
 PV0277 STATE/COUNTY- WY/CAMPBELL
 PV0277 COUNTRY - US
 PV0277 USGS QUAD - ORIVA (2017)
 PV0277
 PV0277 *CURRENT SURVEY CONTROL
 PV0277
 PV0277* NAD 83(1986) POSITION- 44 18 52. (N) 105 39 58. (W) SCALED
 PV0277* [NAVD 88](#) ORTHO HEIGHT - 1418.289 (meters) 4653.17 (feet) ADJUSTED
 PV0277
 PV0277 GEOID HEIGHT - -14.334 (meters) GEOID18
 PV0277 DYNAMIC HEIGHT - 1417.691 (meters) 4651.21 (feet) COMP
 PV0277 MODELED GRAVITY - 980,146.0 (mgal) NAVD 88
 PV0277 OBS GRAVITY - 980,147.6 (mgal) GRAV_OBS
 PV0277
 PV0277 VERT ORDER - FIRST CLASS II
 PV0277
 PV0277.The horizontal coordinates were scaled from a map and have
 PV0277.an estimated accuracy of +/- 6 seconds.
 PV0277.
 PV0277.The orthometric height was determined by differential leveling and
 PV0277.adjusted by the NATIONAL GEODETIC SURVEY
 PV0277.in June 1991.
 PV0277
 PV0277.Significant digits in the geoid height do not necessarily reflect accuracy.
 PV0277.GEOID18 height accuracy estimate available [here](#).
 PV0277
 PV0277.Click [photographs](#) - Photos may exist for this station.
 PV0277
 PV0277.The dynamic height is computed by dividing the NAVD 88
 PV0277.geopotential number by the normal gravity value computed on the
 PV0277.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 PV0277.degrees latitude (g = 980.6199 gals.).
 PV0277
 PV0277.The modeled gravity was interpolated from observed gravity values.
 PV0277
 PV0277.The observed gravity was obtained from relative gravimeter ties
 PV0277.to the IGSN71 gravity network.
 PV0277
 PV0277;

	North	East	Units	Estimated Accuracy
PV0277; SPC WY E -	423,810.	160,160.	MT	(+/- 180 meters Scaled)

 PV0277
 PV0277_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TDK468070(NAD 83)
 PV0277
 PV0277 SUPERSEDED SURVEY CONTROL
 PV0277
 PV0277 NGVD 29 (??/??/92) 1417.613 (m) 4650.95 (f) ADJ UNCH 1 2
 PV0277
 PV0277.Superseded values are not recommended for survey control.
 PV0277
 PV0277.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 PV0277.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 PV0277

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PV0277_MARKER: DB = BENCH MARK DISK
PV0277_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
PV0277_STAMPING: D 122 1957
PV0277_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
PV0277+STABILITY: SURFACE MOTION

PV0277
PV0277 HISTORY - Date Condition Report By
PV0277 HISTORY - 1957 MONUMENTED CGS

PV0277
PV0277 STATION DESCRIPTION

PV0277'DESCRIBED BY COAST AND GEODETIC SURVEY 1957
PV0277'9 MI W FROM GILLETTE.
PV0277'ABOUT 8.95 MILES WEST ALONG THE CHICAGO, BURLINGTON AND QUINCY
PV0277'RAILROAD FROM THE STATION AT GILLETTE, 0.15 MILE NORTHWEST
PV0277'OF MILEPOST 606, 0.3 MILE SOUTHEAST OF THE SECTION FOREMANS
PV0277'HOME AT ORIVA, 89 FEET SOUTHWEST OF THE SOUTHWEST RAIL, 100
PV0277'YARDS NORTH AND ACROSS A DIRT ROAD FROM THE NORTH EDGE OF A STOCK
PV0277'POND, 112 FEET SOUTH OF THE CENTER OF A ROAD CROSSING, 56 FEET
PV0277'SOUTHEAST OF THE CENTER LINE OF A PRIVATE CROSS ROAD, 4 FEET
PV0277'NORTHEAST OF A SNOW FENCE, ABOUT 6 FEET BELOW THE TRACK AND
PV0277'IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

1 National Geodetic Survey, Retrieval Date = JULY 19, 2021
 PX0111 *****
 PX0111 CBN - This is a Cooperative Base Network Control Station.
 PX0111 DESIGNATION - D 85
 PX0111 PID - PX0111
 PX0111 STATE/COUNTY- WY/PARK
 PX0111 COUNTRY - US
 PX0111 USGS QUAD - OREGON BASIN (2017)
 PX0111
 PX0111 *CURRENT SURVEY CONTROL
 PX0111
 PX0111* NAD 83(2011) POSITION- 44 29 39.22500(N) 108 53 08.41313(W) ADJUSTED
 PX0111* NAD 83(2011) ELLIP HT- 1591.945 (meters) (06/27/12) ADJUSTED
 PX0111* NAD 83(2011) EPOCH - 2010.00
 PX0111* [NAVD 88](#) ORTHO HEIGHT - 1604.390 (meters) 5263.74 (feet) ADJUSTED
 PX0111
 PX0111 GEOID HEIGHT - -12.623 (meters) GEOID18
 PX0111 NAD 83(2011) X - -1,475,431.971 (meters) COMP
 PX0111 NAD 83(2011) Y - -4,312,903.651 (meters) COMP
 PX0111 NAD 83(2011) Z - 4,448,546.478 (meters) COMP
 PX0111 LAPLACE CORR - -11.35 (seconds) DEFLEC18
 PX0111 DYNAMIC HEIGHT - 1603.559 (meters) 5261.01 (feet) COMP
 PX0111 MODELED GRAVITY - 980,044.4 (mgal) NAVD 88
 PX0111
 PX0111 VERT ORDER - SECOND CLASS 0
 PX0111
 PX0111 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 PX0111 Standards:
 PX0111 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
 PX0111 Horiz Ellip SD_N SD_E SD_h (unitless)
 PX0111 -----
 PX0111 NETWORK 1.88 5.35 0.86 0.64 2.73 -0.08767519
 PX0111 -----
 PX0111 Click [here](#) for local accuracies and other accuracy information.
 PX0111
 PX0111
 PX0111.The horizontal coordinates were established by GPS observations
 PX0111.and adjusted by the National Geodetic Survey in June 2012.
 PX0111
 PX0111.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 PX0111.been affixed to the stable North American tectonic plate. See
 PX0111.[NA2011](#) for more information.
 PX0111
 PX0111.The horizontal coordinates are valid at the epoch date displayed above
 PX0111.which is a decimal equivalence of Year/Month/Day.
 PX0111
 PX0111.The orthometric height was determined by differential leveling and
 PX0111.adjusted by the NATIONAL GEODETIC SURVEY
 PX0111.in June 1991.
 PX0111
 PX0111.Significant digits in the geoid height do not necessarily reflect accuracy.
 PX0111.GEOID18 height accuracy estimate available [here](#).
 PX0111
 PX0111.Click [photographs](#) - Photos may exist for this station.
 PX0111
 PX0111.The X, Y, and Z were computed from the position and the ellipsoidal ht.

Ground Control Survey Report for the U.S. Geological Survey
 Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0111 HISTORY - 20000712 GOOD NGS
 PX0111 HISTORY - 20070209 GOOD HOLMBL
 PX0111 HISTORY - 20140708 GOOD WYDT
 PX0111 HISTORY - 20180602 GOOD INDIV

PX0111

PX0111 STATION DESCRIPTION

PX0111

PX0111'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

PX0111'9.8 MI E FROM CODY.

PX0111'ABOUT 9.8 MILES EAST ALONG U.S. HIGHWAY 20 FROM THE POST OFFICE AT

PX0111'CODY, PARK COUNTY, ABOUT 6.4 MILES EAST OF THE JUNCTION OF STATE

PX0111'HIGHWAY 420, ABOUT 5.5 MILES EAST OF A SCHOOL, 54.8 FEET NORTH OF THE

PX0111'CENTER LINE OF THE HIGHWAY, AND ABOUT 4.5 FEET LOWER THAN THE HIGHWAY.

PX0111'A STANDARD DISK, STAMPED D 85 1934 AND SET IN THE TOP OF A CONCRETE

PX0111'POST.

PX0111

PX0111 STATION RECOVERY (1966)

PX0111

PX0111'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1966

PX0111'MARK NOT FOUND.

PX0111

PX0111 STATION RECOVERY (1993)

PX0111

PX0111'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 1993 (RR)

PX0111'STATION IS LOCATED ABOUT 14 KM (8.70 MI) EAST OF CODY, ALONG US

PX0111'HIGHWAYS 14, 16 AND 20, 0.32 KM (0.20 MI) EAST OF THE HIGHWAY JUNCTION

PX0111'WITH OREGON BASIN ROAD, ON HIGHWAY RIGHT-OF-WAY AT MILE 61.8, IN

PX0111'CENTRAL SECTION 9, T 52 N, R 100 W. OWNERSHIP--WYOMING DEPARTMENT OF

PX0111'TRANSPORTATION. TO REACH FROM THE JUNCTION OF US HIGHWAYS 14, 16, 20

PX0111'AND STATE HIGHWAY 120 (ABOUT 3 KM (1.85 MI) EAST OF CODY), GO EAST ON

PX0111'HIGHWAYS 14, 16 AND 20 FOR 11.17 KM (6.95 MI) TO COUNTY ROAD 3FK

PX0111'(OREGON BASIN ROAD) ON THE RIGHT. CONTINUE AHEAD FOR 0.32 KM (0.20

PX0111'MI) TO THE STATION ON THE LEFT. STATION MARK IS A DISK SET IN THE TOP

PX0111'OF A 15-CM SQUARE CONCRETE POST PROJECTING 20 CM ABOVE GROUND. IT IS

PX0111'16.3 M (53.5 FT) NORTH OF, AND ABOUT 1.5 M (4.9 FT) LOWER THAN, THE

PX0111'HIGHWAY CENTER, AND 13.7 M (44.9 FT) SOUTH OF A FIBERGLASS WITNESS

PX0111'POST IN THE RIGHT-OF-WAY FENCE. DESCRIBED BY DGA.

PX0111

PX0111 STATION RECOVERY (2000)

PX0111

PX0111'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 2000 (LPB)

PX0111'MARK FOUND IN GOOD CONDITION

PX0111

PX0111 STATION RECOVERY (2007)

PX0111

PX0111'RECOVERY NOTE BY HOLM, BLOUGH AND COMPANY 2007 (OMS)

PX0111'USGS QUADRANGLE MAP DESIGNATION INCORRECT, BENCHMARK IS ACTUALLY

PX0111'WITHIN OREGON BASIN QUADRANGLE. SURROUNDED BY THREE (3) WOODEN WITNESS

PX0111'POSTS N, E, AND W OF BENCHMARK. WHITE CARSONITE WITNESS POST

PX0111'IMMEDIATELY WEST OF BENCHMARK.

PX0111

PX0111 STATION RECOVERY (2014)

PX0111

PX0111'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 2014 (KB)

PX0111'STATION FOUND IN GOOD CONDITION.

PX0111

Ground Control Survey Report for the U.S. Geological Survey
Task Order: #140G0220F0290 - WY North Converse 2021 D20

PX0111 STATION RECOVERY (2018)
PX0111
PX0111'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2018 (CAS)
PX0111'RECOVERED IN GOOD CONDITION.