June 5, 2012

KENTUCKY STATEWIDE MAPPING

COMMONWEATH OFFICE OF TECHNOLOGY
FINANCE AND ADMINISTRATION CABINET

100 Fair Oaks Lane
Frankfort, Kentucky 40601

For

Central Kentucky

Photo Identifiable Points and
LiDAR Ground Truing Points

PSI No. 7145-002
GRWAS NO. 2576-067

Presented by

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700

PSI Project No. 7145-001
GRWAS Project No. 2576-067

Commonwealth Aerial Photography
and
Elevation Data Program

For

The Commonwealth of Kentucky

Photogrammetric Ground Control
and
LiDAR Truing Points

Table of Contents

I Survey Report

II Coordinate Summary for Control and Ground Truing Points

III Data Log Sheets with Photographs

Survey Report

Summary

Commonwealth Aerial Photography and Elevation Data Program

for

The Commonwealth of Kentucky

Photogrammetric Ground Control and LiDAR Truing Points

Survey Report

GRW Aerial Surveys, Inc. (GRWAS) was contracted by Photo Science, Inc. (PSI) to collect coordinates and elevations for 40 photogrammetric ground control point pairs (control) along with 5 LiDAR ground truing points (truing) associated with each control point pair.

The five truing points were collected in the following five different land cover types:

1) BE Bare earth and low grass (e.g. plowed fields, lawns, golf courses)

2) HG High grass, weeds, and crops (e.g. hay fields, corn fields, wheat fields)

3) BR Brush land and low trees (e.g. scrubby low trees and bushes)

4) FA Forested, fully covered by trees (e.g. hardwoods, evergreens, mixed forest)

5) UA Urban areas (e.g. high dense manmade structures)

The control and truing points observed are encompassed by the following Kentucky counties: Breathitt, Clay, Harlan, Knott, Leslie, Letcher, Owsley, and Perry.

Real Time Kinnematic GNSS survey techniques were selected as the primary means of collecting positions and elevations for the control points, utilizing the Kentucky Transportation Cabinet's Real Time Network (KYTCRTN) in VRS mode. Where the lack of reliable cell phone service precluded the use of the RTN, short static GPS sessions were observed for the control point along with a supporting back sight point. The static GPS data was then submitted to the National Geodetic Survey's On Line Positioning Service (OPUS) or Rapid Static On Line Positioning Service (OPUS-RS). The RTK, OPUS and OPUS-RS derived coordinates for the control point and back sight point were used to compute positions and elevations for the truing points from data collected using conventional surveying techniques (i.e. total station). The method used to position both the control and truing points may be found in the Coordinate Summary.

In general, recoverable temporary markers e.g. 6” nail, mag-nail, or Iron pin & cap were set at control point and back sight locations. No recoverable markers were set at the truing point locations. Digital photographs were taken of both control and truing locations (see data sheets). Control stations are labeled with the stations names as provided by PSI. The back site points are labeled with the control station name followed by a “B” suffix. The truing points are labeled with the control station name followed by “-XX” where “XX” is the ground cover type code represented by the truing point.

Time Frame:

Date of first field observation: GPS Day 121 4/30/2012

Date of last field observation: GPS Day 125 5/4/2012

GRWAS Personnel:

Ed Rinehart KYPLS #2283 - Project Administration & Management

Wolfgang Ziegler KYPLS #3098 – Computation, Analysis, Report Preparation

Cody Sanders – Field Party Chief

Alan Mann – Survey Party Member

Bryan Novy – Field Party Chief

Anthony Deprosky – Survey Party Member

Survey Equipment:

Trimble R8-3 GNSS Receiver S/N 5046455856 with integrated antenna

Trimble R8-2 GNSS Receiver S/N 4708128653 with integrated antenna

Trimble R8-2 GNSS Receiver S/N 4849161142 with integrated antenna

Trimble R8-2 GNSS Receiver S/N 4849161172 with integrated antenna

Fixed height 2.000 meter by-pods and tri-pods were used for all GPS/GNSS observations.

Office Equipment & Software:

Dell Precision M4400 notebook computer.

Microsoft Word 2007

Microsoft Excel 2007

Adobe Acrobat V9

USACE Corpscon v6.0

Trimble Business Center V2.6

KMLCSV Converter V2.1.0

Coordinate Summary for Photogrammetric Ground Control and LiDAR Truing Points

Horizontal = NAD 83(CORS 96/NSRS 2007 Epoch 2002.00) KY S.P.C.S. - Single Zone - U.S. Survey Feet
Vertical = NAVD 88(GEOID09) - U.S. Survey Feet

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
100	3620228.94	5566665.14	944.97	OPUS RS	
100B	3620122.44	5566765.07	944.54	OPUS RS	
100-BE	3620071.30	5566760.10	940.72	CONV	
100-BR	3620262.34	5566567.67	943.33	CONV	
100-FA	3620152.90	5566852.61	948.19	CONV	
100-HG	3620188.70	5566770.65	944.88	CONV	
100-UA	3620121.75	5566748.70	943.13	CONV	
101	3629823.94	5567673.15	1273.25	OPUS RS	
101B	3629662.18	5567551.42	1266.14	OPUS RS	
101-BE	3629823.68	5567523.20	1281.25	CONV	
101-BR	3629802.05	5567592.46	1270.03	CONV	
101-FA	3629682.92	5567596.30	1272.09	CONV	
101-HG	3629796.34	5567531.15	1279.26	CONV	
101-UA	3629520.83	5567456.02	1248.26	CONV	
102	3649048.57	5568316.93	890.98	OPUS RS	
102B	3649100.04	5568386.28	901.03	OPUS RS	
102-BE	3649065.81	5568365.07	894.92	CONV	
102-BR	3649162.03	5568419.17	914.16	CONV	
102-FA	3649100.66	5568434.01	899.93	CONV	
102-HG	3649134.78	5568412.12	904.79	CONV	
102-UA	3649108.21	5568387.47	900.91	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
103	3633094.89	5577536.74	954.07	OPUS RS	
103B	3632913.24	5577500.81	952.16	OPUS RS	
103-BE	3632888.40	5577451.01	950.11	CONV	
103-BR	3632841.53	5577399.23	959.31	CONV	
103-FA	3632812.42	5577446.48	957.80	CONV	
103-HG	3632866.88	5577502.82	952.79	CONV	
103-UA	3632911.51	5577512.67	951.31	CONV	
104	3665853.64	5577161.67	840.10	RTK	
104B	3665985.23	5577195.90	831.56	RTK	
104-BE	3665968.94	5577200.78	832.14	CONV	
104-BR	3665839.36	5577175.98	840.92	CONV	
104-FA	3665968.37	5577249.24	832.88	CONV	
104-HG	3665808.13	5577221.69	844.77	CONV	
104-UA	3666005.87	5577190.48	830.51	CONV	
105	3628444.87	5609975.15	811.51	OPUS RS	
105B	3628378.12	5610017.08	810.15	OPUS RS	
105-BE	3628381.44	5610015.39	810.45	CONV	
105-BR	3628510.45	5609975.62	808.79	CONV	
105-FA	3628613.85	5609927.17	810.87	CONV	
105-HG	3628394.84	5609981.86	808.23	CONV	
105-UA	3628379.46	5610034.52	810.37	CONV	
106	3671043.81	5609869.41	787.21	RTK	
106B	3671043.64	5609710.01	787.60	RTK	
106-BE	3671025.08	5609749.50	788.89	CONV	
106-BR	3671068.58	5609686.67	787.08	CONV	
106-FA	3671000.44	5610059.93	791.76	CONV	
106-HG	3671012.80	5610007.57	788.64	CONV	
106-UA	3670959.14	5609072.42	788.62	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
107	3614279.68	5641342.41	971.49	OPUS RS	
107B	3614333.93	5641443.47	970.06	OPUS RS	
107-BE	3614331.98	5641534.94	968.26	CONV	
107-BR	3614287.24	5641385.23	969.80	CONV	
107-FA	3614289.50	5641538.18	965.56	CONV	
107-HG	3614343.01	5641568.09	969.97	CONV	
107-UA	3614382.94	5641532.32	968.04	CONV	
108	3628668.68	5643024.88	1055.97	RTK	
108B	3628599.57	5643174.28	1061.40	RTK	
108-BE	3628580.11	5643240.46	1062.94	CONV	
108-BR	3628597.15	5643215.98	1058.94	CONV	
108-FA	3628647.80	5643271.19	1052.23	CONV	
108-HG	3628660.17	5643011.52	1056.01	CONV	
108-UA	3628689.61	5643000.62	1054.70	CONV	
109	3658619.78	5641774.12	991.40	RTK	
109B	3658737.61	5641848.24	996.57	RTK	
109-BE	3658745.26	5641881.57	997.79	CONV	
109-BR	3658573.60	5641777.51	989.83	CONV	
109-FA	3658760.31	5641906.82	1006.53	CONV	
109-HG	3658787.16	5641908.03	1003.15	CONV	
109-UA	3658670.48	5641794.30	994.24	CONV	
110	3681972.71	5641270.85	835.31	RTK	
110B	3681773.02	5641308.03	836.61	RTK	
110-BE	3682166.86	5641593.35	829.62	CONV	
110-BR	3681727.52	5641351.97	838.10	CONV	
110-FA	3681792.98	5641393.03	833.42	CONV	
110-HG	3681953.97	5641323.72	833.43	CONV	
110-UA	3681949.12	5641265.79	835.90	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
111	3674543.46	5667656.13	834.41	RTK	
111B	3674662.82	5667607.82	833.78	RTK	
111-BE	3674620.03	5667643.66	835.11	CONV	
111-BR	3674572.23	5667736.49	837.74	CONV	
111-FA	3674554.36	5667782.65	848.19	CONV	
111-HG	3674612.78	5667706.09	835.76	CONV	
111-UA	3674684.54	5667600.83	833.57	CONV	
112	3626041.08	5662961.74	1052.53	OPUS RS	
112B	3625871.05	5663027.95	1048.43	OPUS RS	
112-BE	3626057.11	5663098.66	1049.21	CONV	
112-BR	3625866.94	5663172.37	1047.98	CONV	
112-FA	3626294.36	5663082.75	1053.36	CONV	
112-HG	3626055.51	5663189.99	1044.57	CONV	
112-UA	3625969.89	5663107.75	1047.91	CONV	
113 ALT	3600771.44	5679100.30	922.73	OPUS RS	FIELD SELECTED ALTERNATE LOCATION
113B ALT	3600680.03	5679134.21	921.02	OPUS RS	
113-ALT-BE	3600580.19	5678902.65	893.26	CONV	
113-ALT-BR	3600704.37	5678963.42	894.12	CONV	
113-ALT-FA	3600599.05	5678779.95	886.42	CONV	
113-ALT-HG	3600589.54	5678858.66	892.73	CONV	
113-ALT-UA	3600775.66	5679162.26	924.21	CONV	
114	3546336.11	5672551.21	1553.56	OPUS RS	
114B	3546412.96	5672512.97	1551.50	OPUS RS	
114-BE	3546470.76	5672505.50	1549.92	CONV	
114-BR	3546271.41	5672497.45	1557.86	CONV	
114-FA	3546196.40	5672585.80	1554.91	CONV	
114-HG	3546394.24	5672633.95	1551.12	CONV	
114-UA	3546514.59	5672604.69	1550.76	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
115	3715397.26	5690218.26	912.32	OPUS RS	
115B	3715490.23	5690106.09	915.08	OPUS RS	
115-BE	3715440.91	5690156.12	913.94	CONV	
115-BR	3715411.02	5690136.46	905.60	CONV	
115-FA	3715483.54	5690191.46	923.77	CONV	
115-HG	3715427.74	5690138.43	909.62	CONV	
115-UA	3715499.20	5690112.83	916.07	CONV	
116	3709760.06	5697112.72	920.27	OPUS	
116B	3709628.66	5697141.91	924.22	OPUS	
116-BE	3709504.99	5696893.90	905.50	CONV	
116-BR	3709626.08	5697026.73	910.67	CONV	
116-FA	3709576.72	5696890.15	905.57	CONV	
116-HG	3709546.82	5697020.19	912.19	CONV	
116-UA	3709568.50	5697128.82	925.44	CONV	
117	3669426.13	5700539.89	1078.61	RTK	
117B	3669475.85	5700690.91	1085.83	RTK	
117-BE	3669460.69	5700530.73	1075.60	CONV	
117-BR	3669493.16	5700531.91	1074.96	CONV	
117-FA	3669514.89	5700496.41	1093.80	CONV	
117-HG	3669527.69	5700614.28	1074.24	CONV	
117-UA	3669462.01	5700587.91	1079.66	CONV	
118	3657235.96	5698388.55	981.80	RTK	
118B	3657183.76	5698263.41	977.70	RTK	
118-BE	3657200.11	5698301.90	979.03	CONV	
118-BR	3657152.03	5698369.43	970.99	CONV	
118-FA	3657299.36	5698293.48	989.53	CONV	
118-HG	3657207.09	5698483.18	979.44	CONV	
118-UA	3657165.93	5698420.37	972.72	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
119	3614823.36	5704637.46	939.18	RTK	
119B	3614730.89	5704553.27	938.83	RTK	
119-BE	3614750.37	5704590.72	940.21	CONV	
119-BR	3614766.36	5704657.68	941.35	CONV	
119-FA	3614698.73	5704638.83	940.39	CONV	
119-HG	3614628.26	5704474.94	939.61	CONV	
119-UA	3614737.97	5704543.84	939.36	CONV	
120	3584237.48	5701958.18	992.23	OPUS RS	
120B	3584156.45	5702003.88	994.65	OPUS RS	
120-BE	3584287.97	5701993.64	987.81	CONV	
120-BR	3584333.38	5701929.03	982.56	CONV	
120-FA	3584179.55	5702061.41	1003.86	CONV	
120-HG	3584147.49	5702035.83	996.31	CONV	
120-UA	3584168.15	5701949.29	994.50	CONV	
121	3545242.99	5704486.78	1612.66	OPUS RS	
121B	3545184.85	5704579.40	1619.40	OPUS RS	
121-BE	3545238.04	5704664.17	1620.74	CONV	
121-BR	3545311.62	5704388.58	1613.42	CONV	
121-FA	3545208.86	5704419.49	1604.56	CONV	
121-HG	3545069.64	5704690.89	1627.97	CONV	
121-UA	3545325.76	5704487.88	1613.34	CONV	
122	3520248.54	5706127.18	1376.60	OPUS RS	
122B	3520313.88	5706197.33	1374.93	OPUS RS	
122-BE	3520158.67	5706192.49	1365.22	CONV	
122-BR	3520312.18	5706069.06	1363.46	CONV	
122-FA	3520019.88	5705911.39	1371.27	CONV	
122-HG	3520402.48	5706196.03	1365.31	CONV	
122-UA	3520140.63	5706034.08	1377.07	CONV	

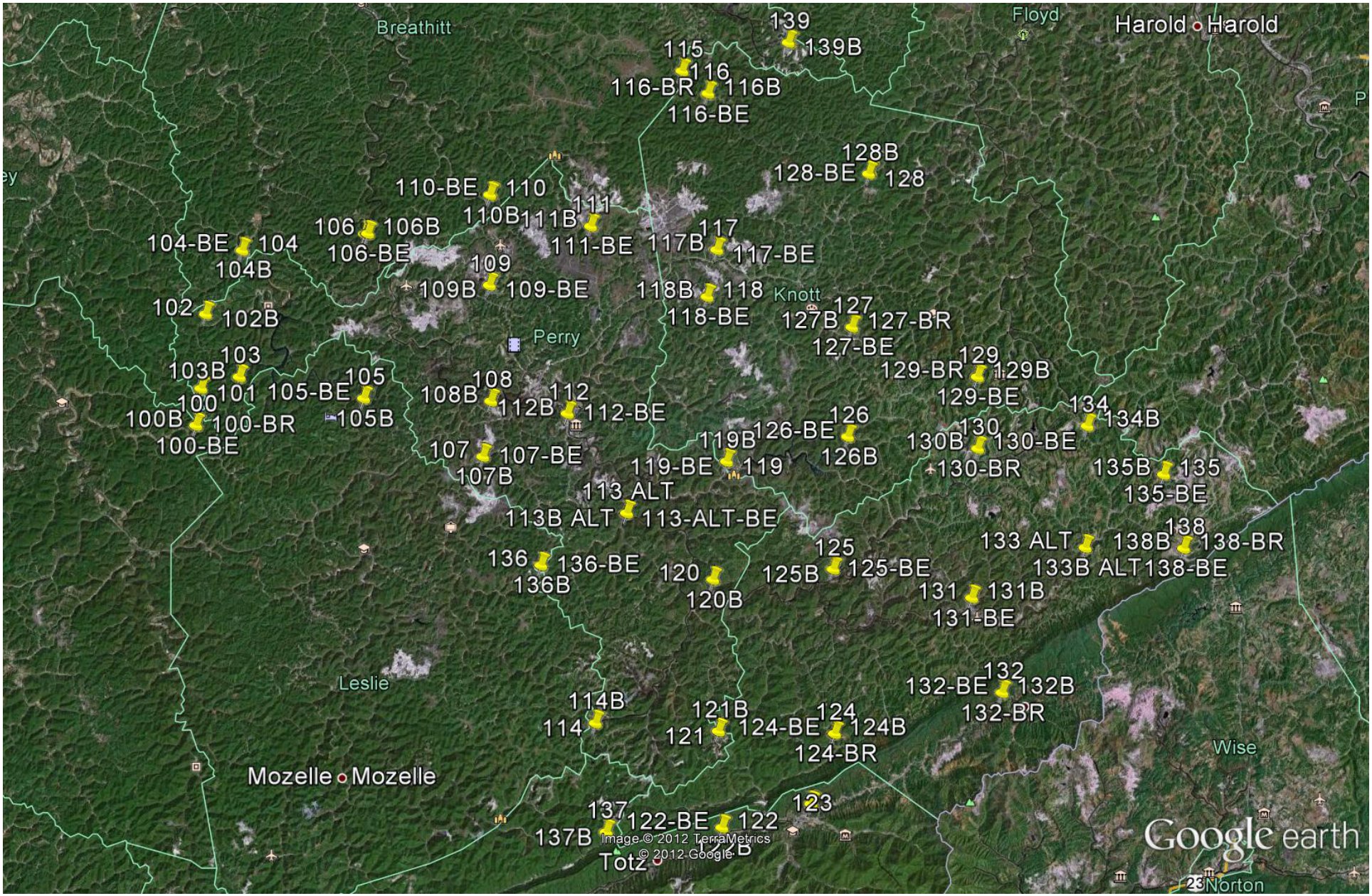
ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
123	3527217.95	5728952.91	1441.98	OPUS RS	
123B	3527329.23	5729085.07	1446.78	OPUS RS	
123-BE	3527305.54	5729100.28	1447.08	CONV	
123-BR	3527402.78	5729189.27	1457.35	CONV	
123-FA	3527047.19	5729027.35	1443.92	CONV	
123-HG	3527142.85	5728913.85	1445.29	CONV	
123-UA	3527114.90	5728811.47	1444.21	CONV	
124	3545347.80	5734642.78	1156.04	OPUS RS	
124B	3545283.07	5734444.32	1161.71	OPUS RS	
124-BE	3545278.05	5734368.77	1165.76	CONV	
124-BR	3545351.41	5734659.77	1156.30	CONV	
124-FA	3545290.88	5734575.41	1158.32	CONV	
124-HG	3545218.32	5734287.05	1167.52	CONV	
124-UA	3545379.72	5734744.57	1153.72	CONV	
125	3587769.75	5733088.79	1007.58	OPUS RS	
125B	3587754.80	5732914.24	1002.04	OPUS RS	
125-BE	3587819.49	5732738.65	999.57	CONV	
125-BR	3587859.88	5732978.32	1006.78	CONV	
125-FA	3587913.28	5732746.59	1002.94	CONV	
125-HG	3587862.04	5732911.52	1004.31	CONV	
125-UA	3587727.64	5733061.74	1002.90	CONV	
126	3622124.45	5735866.53	1037.51	RTK	
126B	3622102.90	5735976.79	1045.95	RTK	
126-BE	3622007.64	5735978.59	1033.56	CONV	
126-BR	3622140.00	5735959.78	1044.22	CONV	
126-FA	3622061.32	5736014.06	1045.29	CONV	
126-HG	3622140.93	5735943.30	1043.10	CONV	
126-UA	3622092.62	5735974.12	1045.95	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
127	3650415.42	5736133.54	1067.62	RTK	
127B	3650468.68	5736037.78	1066.76	RTK	
127-BE	3650457.05	5736082.27	1066.78	CONV	
127-BR	3650322.49	5736163.39	1068.42	CONV	
127-FA	3650178.90	5736193.48	1063.62	CONV	
127-HG	3650247.59	5736206.71	1064.46	CONV	
127-UA	3650459.18	5736053.62	1067.33	CONV	
128	3690237.83	5739396.48	1481.08	RTK	
128B	3690153.80	5739499.36	1483.65	RTK	
128-BE	3690231.94	5739578.93	1484.36	CONV	
128-BR	3690393.52	5739592.69	1482.12	CONV	
128-FA	3690547.51	5739881.00	1484.62	CONV	
128-HG	3690303.83	5739606.01	1484.63	CONV	
128-UA	3690177.82	5739515.16	1483.93	CONV	
129	3638536.49	5769098.58	1270.10	RTK	
129B	3638515.59	5768970.76	1269.12	RTK	
129-BE	3638528.10	5768965.19	1269.41	CONV	
129-BR	3638563.00	5769102.90	1270.06	CONV	
129-FA	3638446.30	5769009.50	1264.62	CONV	
129-HG	3638564.03	5768987.97	1271.27	CONV	
129-UA	3638487.48	5768977.04	1268.78	CONV	
130	3620004.34	5769685.80	1174.34	RTK	
130B	3620099.47	5769555.28	1173.94	RTK	
130-BE	3620136.17	5769568.29	1174.14	CONV	
130-BR	3619977.07	5769684.89	1174.94	CONV	
130-FA	3620195.68	5769669.44	1181.24	CONV	
130-HG	3620002.67	5769966.86	1179.29	CONV	
130-UA	3619998.43	5769652.79	1174.61	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
131	3581398.76	5769241.08	1141.60	OPUS RS	
131B	3581437.91	5769135.24	1143.37	OPUS RS	
131-BE	3581280.95	5769404.05	1139.97	CONV	
131-BR	3581371.38	5769043.24	1138.49	CONV	
131-FA	3581529.83	5769270.18	1144.00	CONV	
131-HG	3581468.40	5769204.61	1144.93	CONV	
131-UA	3581295.11	5769275.65	1137.84	CONV	
132	3557263.56	5777649.40	1627.42	OPUS RS	
132B	3557248.14	5777468.55	1626.31	OPUS RS	
132-BE	3557191.34	5777508.78	1618.67	CONV	
132-BR	3557157.85	5777655.32	1614.19	CONV	
132-FA	3557339.96	5777602.16	1640.72	CONV	
132-HG	3557219.06	5777325.39	1628.60	CONV	
132-UA	3557358.06	5777638.49	1628.78	CONV	
133 ALT	3595229.02	5798291.89	1251.50	OPUS RS	FIELD SELECTED ALTERNATE LOCATION
133B ALT	3595182.18	5798359.59	1250.48	OPUS RS	
133-ALT-BE	3595175.23	5798235.02	1251.65	CONV	
133-ALT-BR	3595286.09	5798409.37	1253.08	CONV	
133-ALT-FA	3595276.76	5798212.02	1257.29	CONV	
133-ALT-HG	3595224.35	5798521.33	1252.47	CONV	
133-ALT-UA	3595152.35	5798500.86	1254.18	CONV	
134	3626656.02	5797879.20	1393.32	RTK	
134B	3626746.87	5797865.98	1391.80	RTK	
134-BE	3626733.02	5797858.77	1391.44	CONV	
134-BR	3626722.27	5797822.55	1391.17	CONV	
134-FA	3626656.23	5797828.49	1388.37	CONV	
134-HG	3626775.85	5797840.99	1391.87	CONV	
134-UA	3626688.38	5797907.23	1394.22	CONV	

ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
135	3614702.44	5817992.75	1449.20	OPUS RS	
135B	3614831.32	5818111.59	1453.16	OPUS RS	
135-BE	3614781.24	5818065.89	1451.40	CONV	
135-BR	3614552.56	5817871.75	1444.12	CONV	
135-FA	3614920.52	5818118.17	1467.09	CONV	
135-HG	3614963.86	5818183.21	1456.44	CONV	
135-UA	3614600.77	5817831.49	1453.04	CONV	
136	3586655.95	5657256.87	1383.28	OPUS RS	
136B	3586668.51	5657175.53	1378.46	OPUS RS	
136-BE	3586669.93	5657284.76	1383.60	CONV	
136-BR	3586623.98	5657286.11	1384.51	CONV	
136-FA	3586615.68	5657332.42	1384.64	CONV	
136-HG	3586670.20	5657080.58	1374.87	CONV	
136-UA	3586644.80	5657353.70	1385.54	CONV	
137	3518463.93	5676186.96	1840.17	OPUS RS	
137B	3518328.64	5675980.99	1854.30	OPUS RS	
137-BE	3518393.36	5676182.92	1832.28	CONV	
137-BR	3518431.40	5676324.37	1833.01	CONV	
137-FA	3518527.33	5676209.33	1839.64	CONV	
137-HG	3518514.58	5676415.09	1829.00	CONV	
137-UA	3518332.05	5676001.31	1854.24	CONV	
138	3595779.83	5823579.30	1887.65	OPUS RS	
138B	3595813.51	5823677.64	1898.02	OPUS RS	
138-BE	3595824.03	5823820.47	1911.67	CONV	
138-BR	3595734.82	5823627.75	1887.39	CONV	
138-FA	3595697.97	5823448.06	1878.93	CONV	
138-HG	3595698.84	5823574.51	1888.75	CONV	
138-UA	3595879.79	5823910.87	1916.69	CONV	

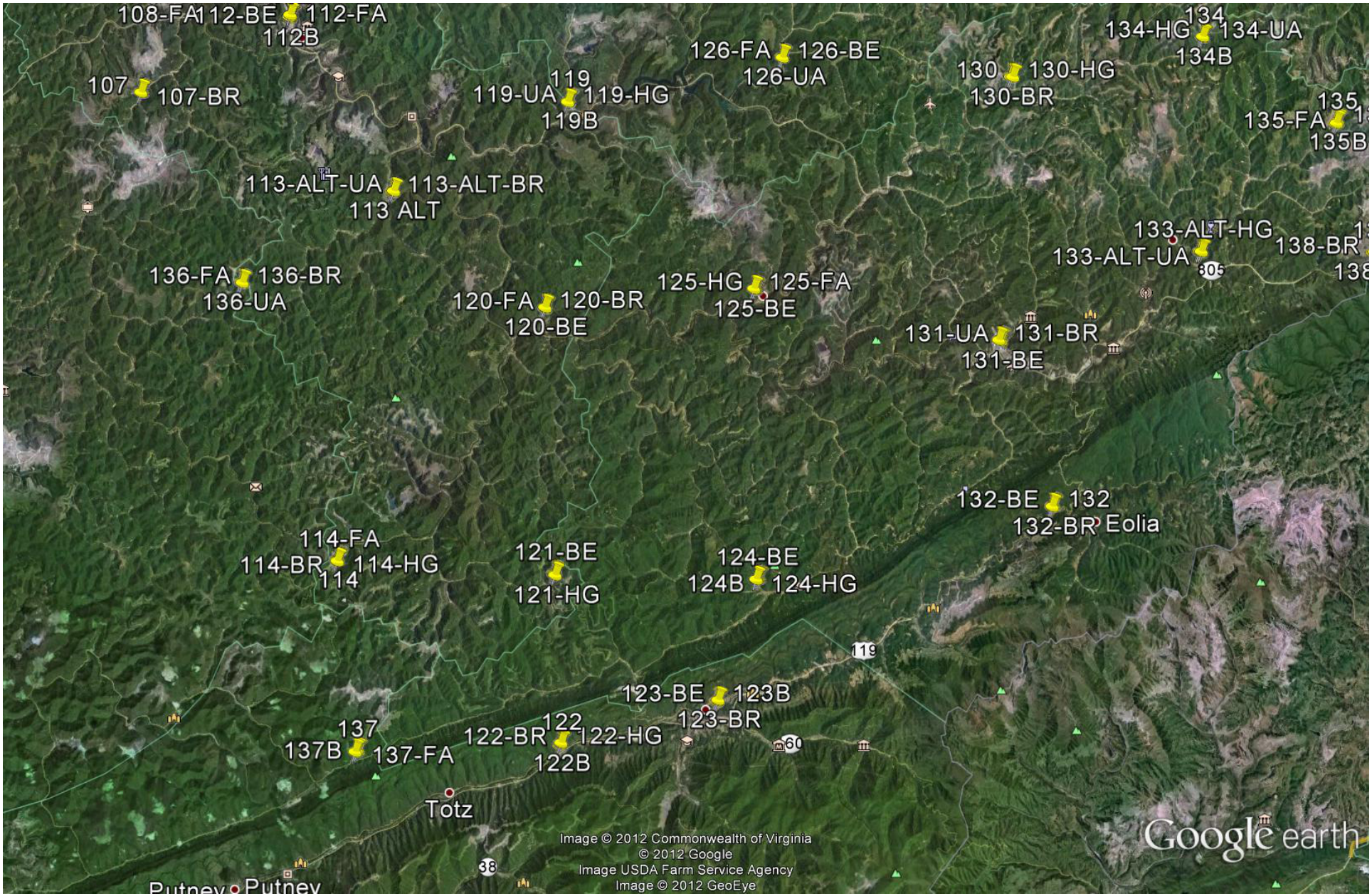
ID	NORTH(Y)	EAST(X)	ELEVATION(Z)	METHOD	COMMENTS
139	3723526.11	5717581.34	1139.30	OPUS RS	
139B	3723633.30	5717626.97	1141.80	OPUS RS	
139-BE	3723528.67	5717649.84	1136.97	CONV	
139-BR	3723394.52	5718026.72	1133.41	CONV	
139-FA	3723306.82	5718065.29	1116.90	CONV	
139-HG	3723453.70	5717925.41	1142.00	CONV	
139-UA	3723634.60	5717617.46	1141.83	CONV	



Google earth

miles 40

km 60



Google earth

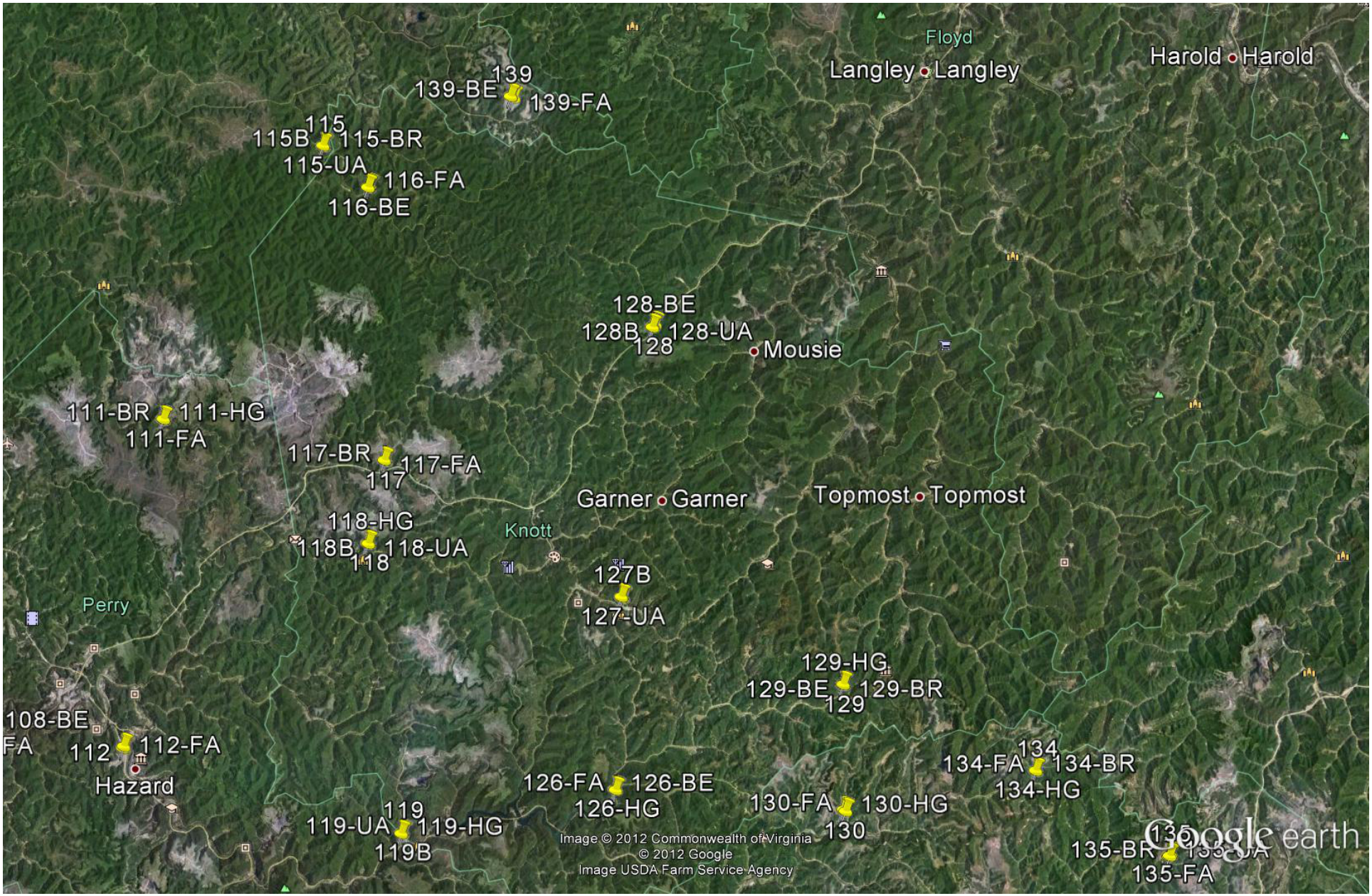
miles 20

km 30

Google earth

miles 20

km 30



Google earth

miles 20

km 30

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	100
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Clay	QUAD:	Big Creek

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3620228.94	ELEVATION	ELLIPSOID
EASTING:	5566665.14	944.97	842.64

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/01/2012	START TIME:	20:27:20	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	20:58:45		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	100
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	100B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Clay	QUAD:	Big Creek

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3620122.44	ELEVATION	ELLIPSOID
EASTING:	5566765.07	944.54	842.21

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/01/2012	START TIME:	20:31:50	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	21:01:20		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	100B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	100
Proj. No.:	7145-001

Photo:			
Point ID	100-BE		
NEZ	3620071.30	5566760.10	940.72

Photo:			
Point ID	100-BE		

Photo:			
Point ID	100-BR		
NEZ	3620262.34	5566567.67	943.33

Photo:			
Point ID	100-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	100
Proj. No.:	7145-001

Photo:			
Point ID	100-FA		
NEZ	3620152.90	5566852.61	948.19

Photo:			
Point ID	100-FA		

Photo:			
Point ID	100-HG		
NEZ	3620188.70	5566770.65	944.88

Photo:			
Point ID	100-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	100
Proj. No.:	7145-001

Photo:			
Point ID	100-UA		
NEZ	3620121.75	5566748.70	943.13

Photo:			
Point ID	100-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	101
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Owsley	QUAD:	Mistletoe

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3629823.94	ELEVATION	ELLIPSOID
EASTING:	5567673.15	1273.25	1170.72

SESSION	DATE:	5/01/2012	START TIME:	17:46:10	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	18:18:00		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	101
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	101B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Owsley	QUAD:	Mistletoe

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3629662.18	ELEVATION	ELLIPSOID
EASTING:	5567551.42	1266.14	1163.61

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/01/2012	START TIME:	17:51:40	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	18:20:00		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	101B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	101
Proj. No.:	7145-001

Photo:			
Point ID	101-BE		
NEZ	3629823.68	5567523.20	1281.25

Photo:			
Point ID	101-BE		

Photo:			
Point ID	101-BR		
NEZ	3629802.05	5567592.46	1270.03

Photo:			
Point ID	101-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	101
Proj. No.:	7145-001

Photo:			
Point ID	101-FA		
NEZ	3629682.92	5567596.30	1272.09

Photo:			
Point ID	101-FA		

Photo:			
Point ID	101-HG		
NEZ	3629796.34	5567531.15	1279.26

Photo:			
Point ID	101-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	101
Proj. No.:	7145-001

Photo:			
Point ID	101-UA		
NEZ	3629520.83	5567456.02	1248.26

Photo:			
Point ID	101-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	102
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Mistletoe

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3649048.57	ELEVATION	ELLIPSOID
EASTING:	5568316.93	890.98	788.01

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/01/2012	START TIME:	15:40:55	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	16:13:55		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	102
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	102B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Mistletoe

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3649100.04	ELEVATION	ELLIPSOID
EASTING:	5568386.28	901.03	798.06

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/01/2012	START TIME:	15:43:05	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	16:14:55		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	102B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	102
Proj. No.:	7145-001

Photo:			
Point ID	102-BE		
NEZ	3649065.81	5568365.07	894.92

Photo:			
Point ID	102-BE		

Photo:			
Point ID	102-BR		
NEZ	3649162.03	5568419.17	914.16

Photo:			
Point ID	102-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	102
Proj. No.:	7145-001

Photo:			
Point ID	102-FA		
NEZ	3649100.66	5568434.01	899.93

Photo:			
Point ID	102-FA		

Photo:			
Point ID	102-HG		
NEZ	3649134.78	5568412.12	904.79

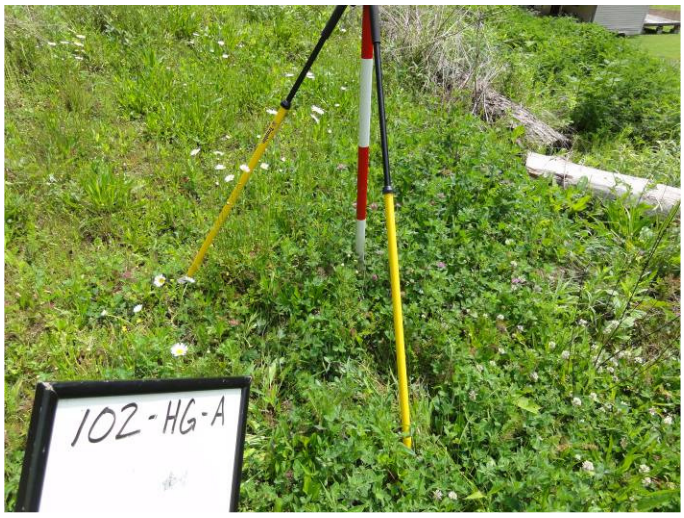


Photo:			
Point ID	102-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	102
Proj. No.:	7145-001

Photo:			
Point ID	102-UA		
NEZ	3649108.21	5568387.47	900.91

Photo:			
Point ID	102-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	103
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Buckhorn

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3633094.89	ELEVATION	ELLIPSOID
EASTING:	5577536.74	954.07	851.50

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/01/2012	START TIME:	19:11:40	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	19:44:55		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	103
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	103B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Buckhorn

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3632913.24	ELEVATION	ELLIPSOID
EASTING:	5577500.81	952.16	849.59

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/01/2012	START TIME:	19:16:40	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	19:47:05		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	103B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	103
Proj. No.:	7145-001

Photo:			
Point ID	103-BE		
NEZ	3632888.40	5577451.01	950.11

Photo:			
Point ID	103-BE		

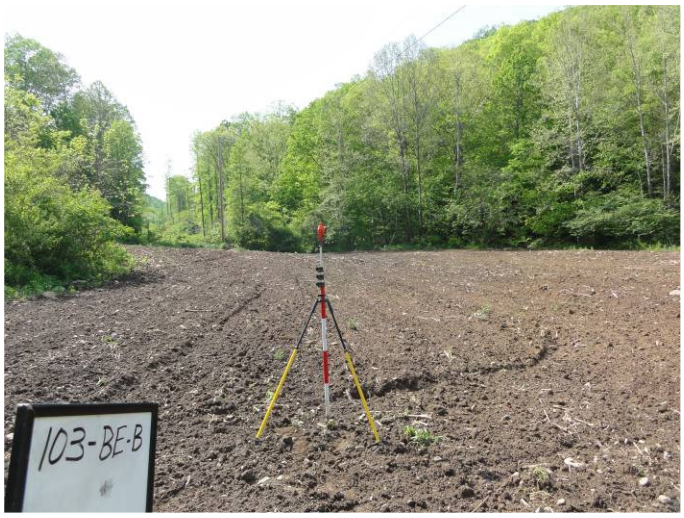


Photo:			
Point ID	103-BR		
NEZ	3632841.53	5577399.23	959.31

Photo:			
Point ID	103-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	103
Proj. No.:	7145-001

Photo:			
Point ID	103-FA		
NEZ	3632812.42	5577446.48	957.80

Photo:			
Point ID	103-FA		

Photo:			
Point ID	103-HG		
NEZ	3632866.88	5577502.82	952.79

Photo:			
Point ID	103-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	103
Proj. No.:	7145-001

Photo:			
Point ID	103-UA		
NEZ	3632911.51	5577512.67	951.31

Photo:			
Point ID	103-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	104
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Buckhorn

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3665853.64	ELEVATION	ELLIPSOID
EASTING:	5577161.67	840.10	736.76

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/01/2012	START TIME:	14:26:24	X	UTC
RTK	DAY OF YEAR:	122	END TIME:	14:29:48		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	104
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	104B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Buckhorn

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3665985.23	ELEVATION	ELLIPSOID
EASTING:	5577195.90	831.56	728.22

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/01/2012	START TIME:	14:32:46	X	UTC
RTK	DAY OF YEAR:	122	END TIME:	14:36:20		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	104B
Proj. No.:	7145-001

Photo:	Photo:
Photo:	**Photo:**

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	104
Proj. No.:	7145-001

Photo:			
Point ID	104-BE		
NEZ	3665968.94	5577200.78	832.14

Photo:			
Point ID	104-BE		

Photo:			
Point ID	104-BR		
NEZ	3665839.36	5577175.98	840.92

Photo:			
Point ID	104-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	104
Proj. No.:	7145-001

Photo:			
Point ID	104-FA		
NEZ	3665968.37	5577249.24	832.88

Photo:			
Point ID	104-FA		

Photo:			
Point ID	104-HG		
NEZ	3665808.13	5577221.69	844.77

Photo:			
Point ID	104-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	104
Proj. No.:	7145-001

Photo:			
Point ID	104-UA		
NEZ	3666005.87	5577190.48	830.51

Photo:			
Point ID	104-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	105
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Leslie	QUAD:	Buckhorn

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3628444.87	ELEVATION	ELLIPSOID
EASTING:	5609975.15	811.51	709.20

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/04/2012	START TIME:	15:45:10	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	16:14:35		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	105
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	105B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Leslie	QUAD:	Buckhorn

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3628378.12	ELEVATION	ELLIPSOID
EASTING:	5610017.08	810.15	707.84

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/04/2012	START TIME:	15:49:05	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	16:18:20		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	105B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	105
Proj. No.:	7145-001

Photo:			
Point ID	105-BE		
NEZ	3628381.44	5610015.39	810.45

Photo:			
Point ID	105-BE		

Photo:			
Point ID	105-BR		
NEZ	3628510.45	5609975.62	808.79

Photo:			
Point ID	105-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	105
Proj. No.:	7145-001

Photo:			
Point ID	105-FA		
NEZ	3628613.85	5609927.17	810.87

Photo:			
Point ID	105-FA		

Photo:			
Point ID	105-HG		
NEZ	3628394.84	5609981.86	808.23

Photo:			
Point ID	105-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	105
Proj. No.:	7145-001

Photo:			
Point ID	105-UA		
NEZ	3628379.46	5610034.52	810.37

Photo:			
Point ID	105-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	106
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Canoe

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3671043.81	ELEVATION	ELLIPSOID
EASTING:	5609869.41	787.21	684.03

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/01/2012	START TIME:	12:56:51	X	UTC
RTK	DAY OF YEAR:	122	END TIME:	13:02:23		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	106
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	106B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Canoe

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3671043.64	ELEVATION	ELLIPSOID
EASTING:	5609710.01	787.60	684.42

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/01/2012	START TIME:	13:06:12	X	UTC
RTK	DAY OF YEAR:	122	END TIME:	13:09:22		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	106B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	106
Proj. No.:	7145-001

Photo:			
Point ID	106-BE		
NEZ	3671025.08	5609749.50	788.89

Photo:			
Point ID	106-BE		

Photo:			
Point ID	106-BR		
NEZ	3671068.58	5609686.67	787.08

Photo:			
Point ID	106-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	106
Proj. No.:	7145-001

Photo:			
Point ID	106-FA		
NEZ	3671000.44	5610059.93	791.76

Photo:			
Point ID	106-FA		

Photo:			
Point ID	106-HG		
NEZ	3671012.80	5610007.57	788.64

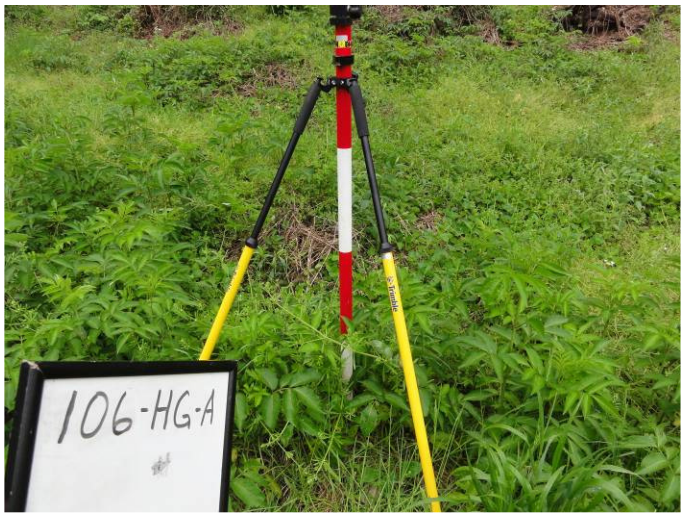


Photo:			
Point ID	106-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	106
Proj. No.:	7145-001

Photo:			
Point ID	106-UA		
NEZ	3670959.14	5609072.42	788.62

Photo:			
Point ID	106-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	107
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Hyden East

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3614279.68	ELEVATION	ELLIPSOID
EASTING:	5641342.41	971.49	869.43

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/04/2012	START TIME:	13:56:45	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	14:28:50		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	107
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	107B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Hyden East

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3614333.93	ELEVATION	ELLIPSOID
EASTING:	5641443.47	970.06	868.00

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/04/2012	START TIME:	14:01:25	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	14:30:45		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	107B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	107
Proj. No.:	7145-001

Photo:			
Point ID	107-BE		
NEZ	3614331.98	5641534.94	968.26

Photo:			
Point ID	107-BE		

Photo:			
Point ID	107-BR		
NEZ	3614287.24	5641385.23	969.80

Photo:			
Point ID	107-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	107
Proj. No.:	7145-001

Photo:			
Point ID	107-FA		
NEZ	3614289.50	5641538.18	965.56

Photo:			
Point ID	107-FA		

Photo:			
Point ID	107-HG		
NEZ	3614343.01	5641568.09	969.97

Photo:			
Point ID	107-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	107
Proj. No.:	7145-001

Photo:			
Point ID	107-UA		
NEZ	3614382.94	5641532.32	968.04

Photo:			
Point ID	107-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	108
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Krypton

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3628668.68	ELEVATION	ELLIPSOID
EASTING:	5643024.88	1055.97	953.70

SESSION	DATE:	5/04/2012	START TIME:	12:45:24	X	UTC
RTK	DAY OF YEAR:	125	END TIME:	12:49:03		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	108
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	108B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Krypton

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3628599.57	ELEVATION	ELLIPSOID
EASTING:	5643174.28	1061.40	959.13

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/04/2012	START TIME:	13:00:37	X	UTC
RTK	DAY OF YEAR:	125	END TIME:	13:03:59		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	108B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	108
Proj. No.:	7145-001

Photo:			
Point ID	108-BE		
NEZ	3628580.11	5643240.46	1062.94

Photo:			
Point ID	108-BE		

Photo:			
Point ID	108-BR		
NEZ	3628597.15	5643215.98	1058.94

Photo:			
Point ID	108-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	108
Proj. No.:	7145-001

Photo:			
Point ID	108-FA		
NEZ	3628647.80	5643271.19	1052.23

Photo:			
Point ID	108-FA		

Photo:			
Point ID	108-HG		
NEZ	3628660.17	5643011.52	1056.01

Photo:			
Point ID	108-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	108
Proj. No.:	7145-001

Photo:			
Point ID	108-UA		
NEZ	3628689.61	5643000.62	1054.70

Photo:			
Point ID	108-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	109
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Krypton

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3658619.78	ELEVATION	ELLIPSOID
EASTING:	5641774.12	991.40	888.60

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	4/30/2012	START TIME:	17:39:31	X	UTC
RTK	DAY OF YEAR:	121	END TIME:	17:42:47		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	109
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	109B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Krypton

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3658737.61	ELEVATION	ELLIPSOID
EASTING:	5641848.24	996.57	893.76

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	4/30/2012	START TIME:	17:45:54	X	UTC
RTK	DAY OF YEAR:	121	END TIME:	17:49:06		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	109B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	109
Proj. No.:	7145-001

Photo:			
Point ID	109-BE		
NEZ	3658745.26	5641881.57	997.79

Photo:			
Point ID	109-BE		

Photo:			
Point ID	109-BR		
NEZ	3658573.60	5641777.51	989.83

Photo:			
Point ID	109-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	109
Proj. No.:	7145-001

Photo:			
Point ID	109-FA		
NEZ	3658760.31	5641906.82	1006.53

Photo:			
Point ID	109-FA		

Photo:			
Point ID	109-HG		
NEZ	3658787.16	5641908.03	1003.15

Photo:			
Point ID	109-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	109
Proj. No.:	7145-001

Photo:			
Point ID	109-UA		
NEZ	3658670.48	5641794.30	994.24

Photo:			
Point ID	109-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	110
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Haddix

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3681972.71	ELEVATION	ELLIPSOID
EASTING:	5641270.85	835.31	731.99

SESSION	DATE:	4/30/2012	START TIME:	16:16:08	X	UTC
RTK	DAY OF YEAR:	121	END TIME:	16:21:03		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

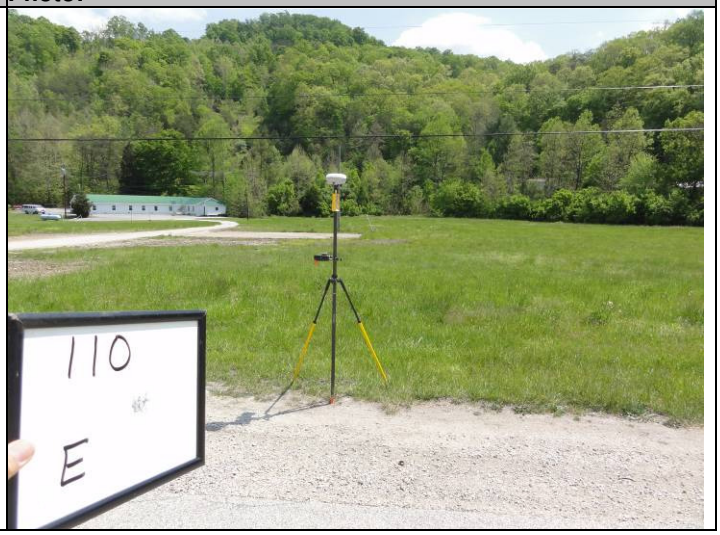
ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	110
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	110B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Haddix

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3681773.02	ELEVATION	ELLIPSOID
EASTING:	5641308.03	836.61	733.30

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	4/30/2012	START TIME:	16:36:44	X	UTC
RTK	DAY OF YEAR:	121	END TIME:	16:39:58		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	110B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	110
Proj. No.:	7145-001

Photo:			
Point ID	110-BE		
NEZ	3682166.86	5641593.35	829.62

Photo:			
Point ID	110-BE		

Photo:			
Point ID	110-BR		
NEZ	3681727.52	5641351.97	838.10

Photo:			
Point ID	110-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	110
Proj. No.:	7145-001

Photo:			
Point ID	110-FA		
NEZ	3681792.98	5641393.03	833.42

Photo:			
Point ID	110-FA		

Photo:			
Point ID	110-HG		
NEZ	3681953.97	5641323.72	833.43

Photo:			
Point ID	110-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	110
Proj. No.:	7145-001

Photo:			
Point ID	110-UA		
NEZ	3681949.12	5641265.79	835.90

Photo:			
Point ID	110-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	111
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Noble

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3674543.46	ELEVATION	ELLIPSOID
EASTING:	5667656.13	834.41	731.09

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	4/30/2012	START TIME:	19:07:55	X	UTC
RTK	DAY OF YEAR:	121	END TIME:	19:11:59		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	111
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	111B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Noble

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3674662.82	ELEVATION	ELLIPSOID
EASTING:	5667607.82	833.78	730.46

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	4/30/2012	START TIME:	19:15:19	X	UTC
RTK	DAY OF YEAR:	121	END TIME:	19:18:58		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	111B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	111
Proj. No.:	7145-001

Photo:			
Point ID	111-BE		
NEZ	3674620.03	5667643.66	835.11

Photo:			
Point ID	111-BE		

Photo:			
Point ID	111-BR		
NEZ	3674572.23	5667736.49	837.74

Photo:			
Point ID	111-BR		

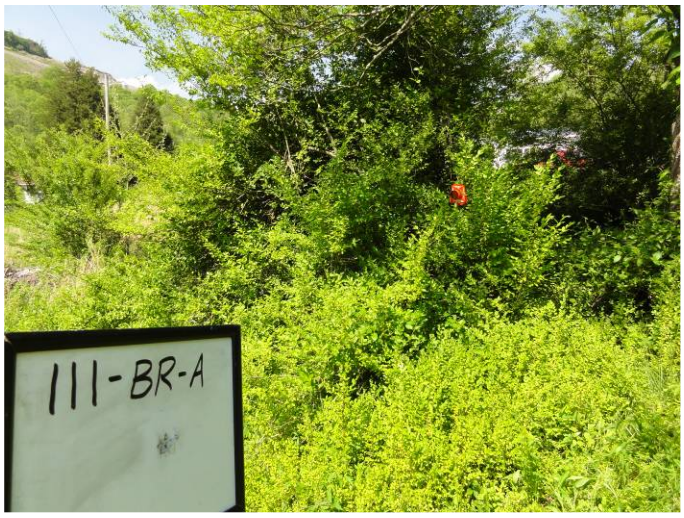


PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	111
Proj. No.:	7145-001

Photo:			
Point ID	111-FA		
NEZ	3674554.36	5667782.65	848.19

Photo:			
Point ID	111-FA		

Photo:			
Point ID	111-HG		
NEZ	3674612.78	5667706.09	835.76

Photo:			
Point ID	111-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	111
Proj. No.:	7145-001

Photo:			
Point ID	111-UA		
NEZ	3674684.54	5667600.83	833.57

Photo:			
Point ID	111-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	112
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Hazard North

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3626041.08	ELEVATION	ELLIPSOID
EASTING:	5662961.74	1052.53	950.17

SESSION	DATE:	5/04/2012	START TIME:	11:15:45	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	11:49:25		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	112
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	112B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Hazard North

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3625871.05	ELEVATION	ELLIPSOID
EASTING:	5663027.95	1048.43	946.07

SESSION	DATE:	5/04/2012	START TIME:	11:17:50	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	11:49:50		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	112B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	112
Proj. No.:	7145-001

Photo:			
Point ID	112-BE		
NEZ	3626057.11	5663098.66	1049.21

Photo:			
Point ID	112-BE		

Photo:			
Point ID	112-BR		
NEZ	3625866.94	5663172.37	1047.98

Photo:			
Point ID	112-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

JOB REFERENCE	
Kentucky Statewide	

AREA ID:	112
Proj. No.:	7145-001

Photo:				Photo:			
Point ID	112-FA			Point ID	112-FA		
NEZ	3626294.36	5663082.75	1053.36				

Photo:				Photo:			
Point ID	112-HG			Point ID	112-HG		
NEZ	3626055.51	5663189.99	1044.57				

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	112
Proj. No.:	7145-001

Photo:			
Point ID	112-UA		
NEZ	3625969.89	5663107.75	1047.91

Photo:			
Point ID	112-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	113 ALT
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Hazard South

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3600771.44	ELEVATION	ELLIPSOID
EASTING:	5679100.30	922.73	820.47

SESSION	DATE:	5/03/2012	START TIME:	19:43:45	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	20:04:35		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	113 ALT
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	113B ALT
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Hazard South

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3600680.03	ELEVATION	ELLIPSOID
EASTING:	5679134.21	921.02	818.76

SESSION	DATE:	5/03/2012	START TIME:	19:45:15	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	20:05:50		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	113B ALT
Proj. No.:	7145-001

Photo:

Photo:

Photo:

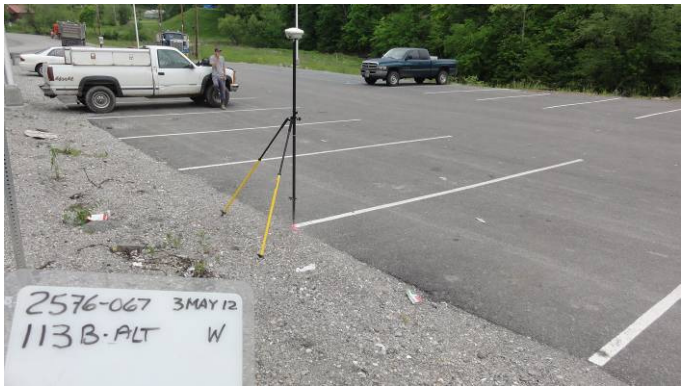


Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	113-ALT
Proj. No.:	7145-001

Photo:			
Point ID	113-ALT-BE		
NEZ	3600580.19	5678902.65	893.26

Photo:			
Point ID	113-ALT-BE		

Photo:			
Point ID	113-ALT-BR		
NEZ	3600704.37	5678963.42	894.12

Photo:			
Point ID	113-ALT-BR		

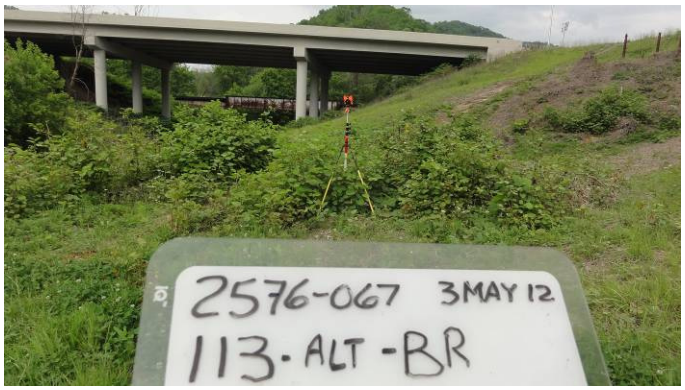


PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

AREA ID:	113-ALT
Proj. No.:	7145-001

Photo:			
Point ID	113-ALT-FA		
NEZ	3600599.05	5678779.95	886.42

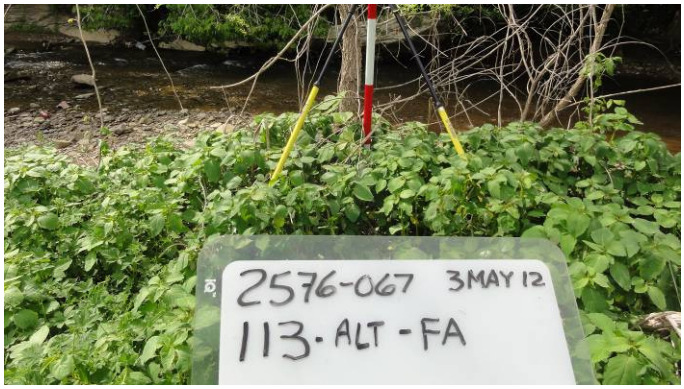


Photo:			
Point ID	113-ALT-FA		

Photo:			
Point ID	113-ALT-HG		
NEZ	3600589.54	5678858.66	892.73

Photo:			
Point ID	113-ALT-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	113-ALT
Proj. No.:	7145-001

Photo:			
Point ID	113-ALT-UA		
NEZ	3600775.66	5679162.26	924.21

Photo:			
Point ID	113-ALT-UA		

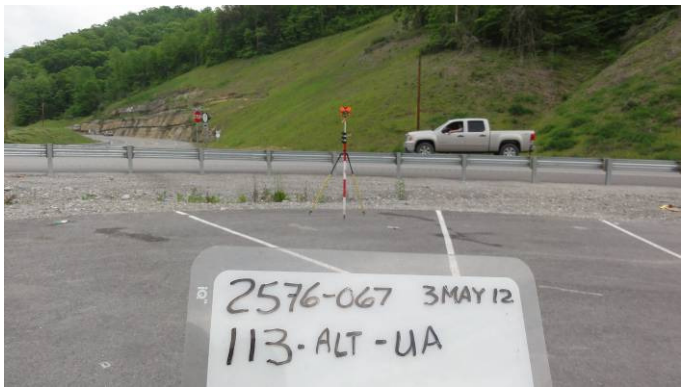


Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	114
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Leatherwood

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3546336.11	ELEVATION	ELLIPSOID
EASTING:	5672551.21	1553.56	1452.20

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

SESSION	DATE:	5/03/2012	START TIME:	12:37:10	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	13:00:50		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	114
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	114B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Leatherwood

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3546412.96	ELEVATION	ELLIPSOID
EASTING:	5672512.97	1551.50	1450.14

SESSION	DATE:	5/03/2012	START TIME:	12:41:25	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	13:01:25		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	114B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	114
Proj. No.:	7145-001

Photo:			
Point ID	114-BE		
NEZ	3546470.76	5672505.50	1549.92

Photo:			
Point ID	114-BE		

Photo:			
Point ID	114-BR		
NEZ	3546271.41	5672497.45	1557.86

Photo:			
Point ID	114-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

JOB REFERENCE	
Kentucky Statewide	

AREA ID:	114
Proj. No.:	7145-001

Photo:			
Point ID	114-FA		
NEZ	3546196.40	5672585.80	1554.91

Photo:			
Point ID	114-FA		

Photo:			
Point ID	114-HG		
NEZ	3546394.24	5672633.95	1551.12

Photo:			
Point ID	114-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	114
Proj. No.:	7145-001

Photo:			
Point ID	114-UA		
NEZ	3546514.59	5672604.69	1550.76

Photo:			
Point ID	114-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	115
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Vest

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3715397.26	ELEVATION	ELLIPSOID
EASTING:	5690218.26	912.32	808.02

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/02/2012	START TIME:	17:54:30	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	18:25:00		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	115
Proj. No.:	7145-001

Photo:

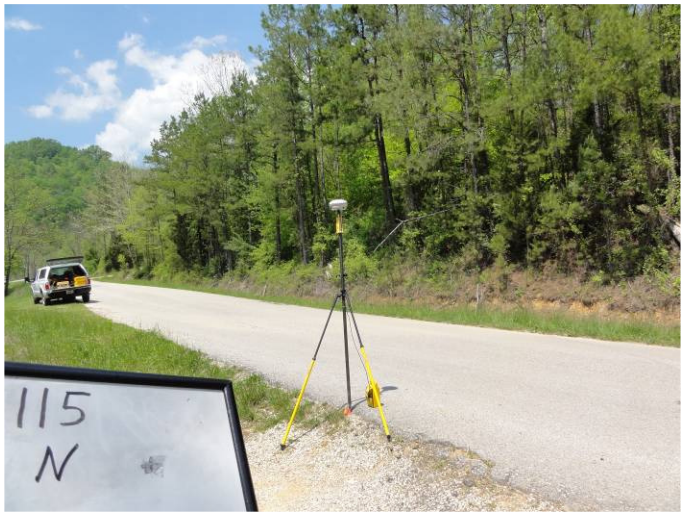


Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	115B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Vest

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3715490.23	ELEVATION	ELLIPSOID
EASTING:	5690106.09	915.08	810.78

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/02/2012	START TIME:	17:57:40	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	18:27:20		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	115B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	115
Proj. No.:	7145-001

Photo:			
Point ID	115-BE		
NEZ	3715440.91	5690156.12	913.94

Photo:			
Point ID	115-BE		

Photo:			
Point ID	115-BR		
NEZ	3715411.02	5690136.46	905.60

Photo:			
Point ID	115-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	115
Proj. No.:	7145-001

Photo:			
Point ID	115-FA		
NEZ	3715483.54	5690191.46	923.77

Photo:			
Point ID	115-FA		

Photo:			
Point ID	115-HG		
NEZ	3715427.74	5690138.43	909.62

Photo:			
Point ID	115-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	115
Proj. No.:	7145-001

Photo:			
Point ID	115-UA		
NEZ	3715499.20	5690112.83	916.07

Photo:			
Point ID	115-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	116
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Vest

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3709760.06	ELEVATION	ELLIPSOID
EASTING:	5697112.72	920.27	816.07

SESSION	DATE:	5/14/2012	START TIME:	16:07:25	X	UTC
OPUS	DAY OF YEAR:	135	END TIME:	18:08:10		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	116
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	116B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Vest

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3709628.66	ELEVATION	ELLIPSOID
EASTING:	5697141.91	924.22	820.02

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/14/2012	START TIME:	16:10:20	X	UTC
OPUS	DAY OF YEAR:	135	END TIME:	18:11:40		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	116B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	116
Proj. No.:	7145-001

Photo:			
Point ID	116-BE		
NEZ	3709504.99	5696893.90	905.50

Photo:			
Point ID	116-BE		

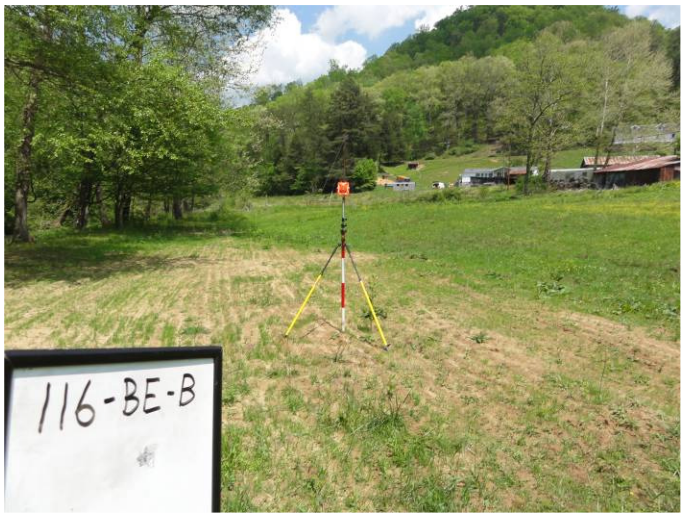


Photo:			
Point ID	116-BR		
NEZ	3709626.08	5697026.73	910.67

Photo:			
Point ID	116-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	116
Proj. No.:	7145-001

Photo:			
Point ID	116-FA		
NEZ	3709576.72	5696890.15	905.57

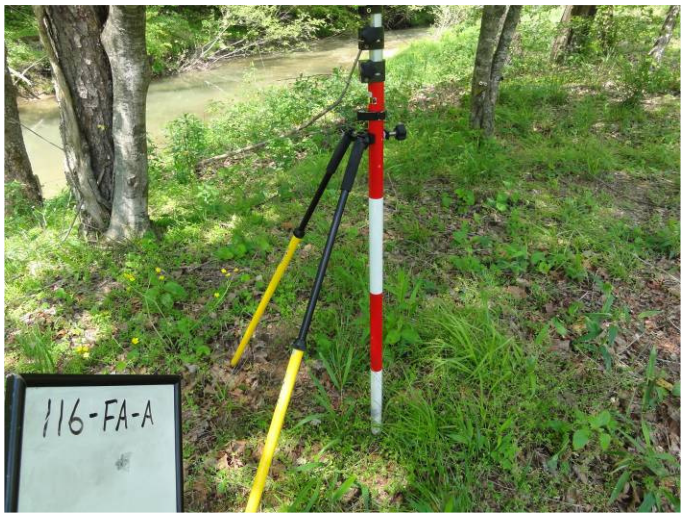


Photo:			
Point ID	116-FA		

Photo:			
Point ID	116-HG		
NEZ	3709546.82	5697020.19	912.19

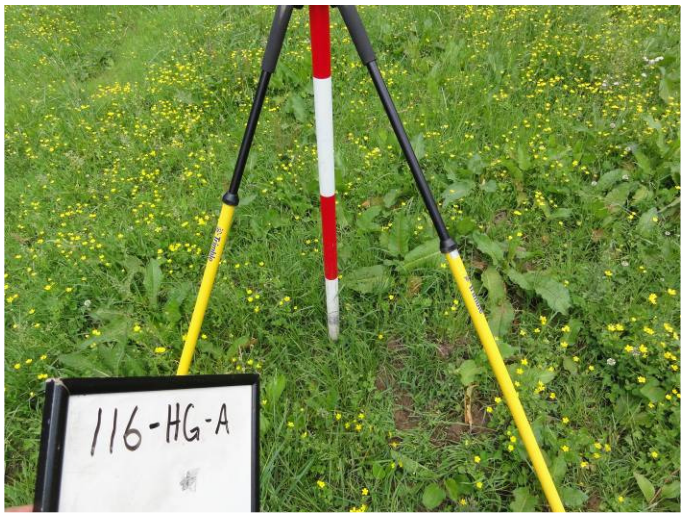


Photo:			
Point ID	116-HG		

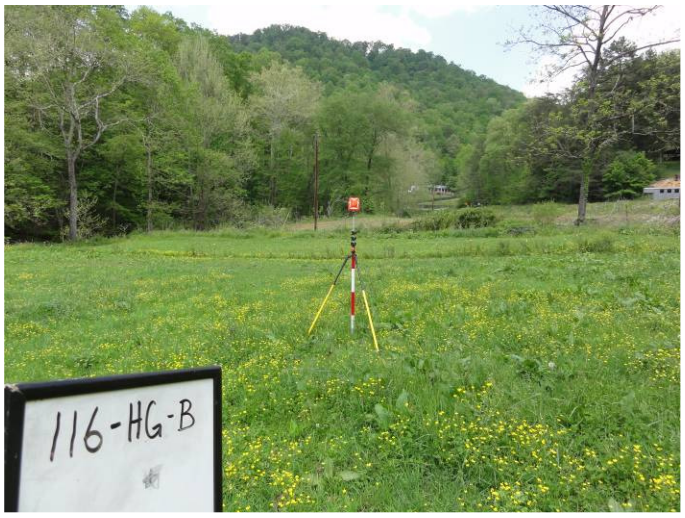


PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	116
Proj. No.:	7145-001

Photo:			
Point ID	116-UA		
NEZ	3709568.50	5697128.82	925.44

Photo:			
Point ID	116-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	117
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Carrie

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3669426.13	ELEVATION	ELLIPSOID
EASTING:	5700539.89	1078.61	975.12

SESSION	DATE:	5/02/2012	START TIME:	14:13:06	X	UTC
RTK	DAY OF YEAR:	123	END TIME:	14:16:18		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	117
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	117B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Carrie

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3669475.85	ELEVATION	ELLIPSOID
EASTING:	5700690.91	1085.83	982.34

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/02/2012	START TIME:	14:20:33	X	UTC
RTK	DAY OF YEAR:	123	END TIME:	14:23:48		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	117B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	117
Proj. No.:	7145-001

Photo:			
Point ID	117-BE		
NEZ	3669460.69	5700530.73	1075.60

Photo:			
Point ID	117-BE		

Photo:			
Point ID	117-BR		
NEZ	3669493.16	5700531.91	1074.96

Photo:			
Point ID	117-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	117
Proj. No.:	7145-001

Photo:			
Point ID	117-FA		
NEZ	3669514.89	5700496.41	1093.80

Photo:			
Point ID	117-FA		

Photo:			
Point ID	117-HG		
NEZ	3669527.69	5700614.28	1074.24

Photo:			
Point ID	117-HG		

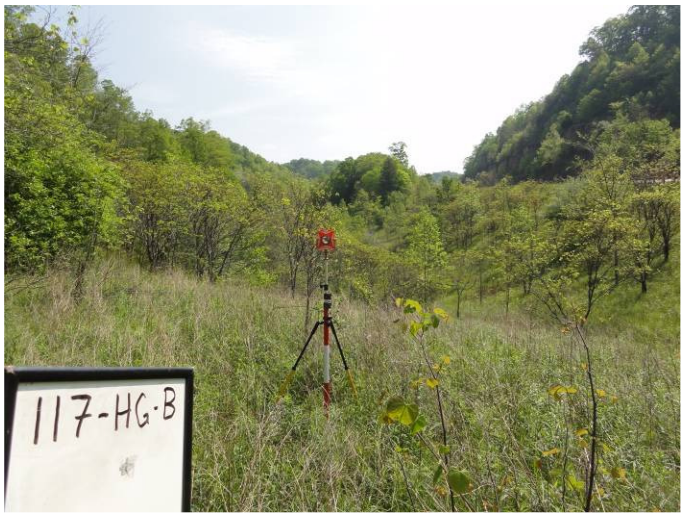


PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	117
Proj. No.:	7145-001

Photo:			
Point ID	117-UA		
NEZ	3669462.01	5700587.91	1079.66

Photo:			
Point ID	117-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	118
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Carrie

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3657235.96	ELEVATION	ELLIPSOID
EASTING:	5698388.55	981.80	878.54

SESSION	DATE:	5/02/2012	START TIME:	13:13:56	X	UTC
RTK	DAY OF YEAR:	123	END TIME:	13:18:15		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	118
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	118B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Carrie

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3657183.76	ELEVATION	ELLIPSOID
EASTING:	5698263.41	977.70	874.44

SESSION	DATE:	5/02/2012	START TIME:	13:21:06	X	UTC
RTK	DAY OF YEAR:	123	END TIME:	13:24:21		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	118B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	118
Proj. No.:	7145-001

Photo:			
Point ID	118-BE		
NEZ	3657200.11	5698301.90	979.03

Photo:			
Point ID	118-BE		

Photo:			
Point ID	118-BR		
NEZ	3657152.03	5698369.43	970.99

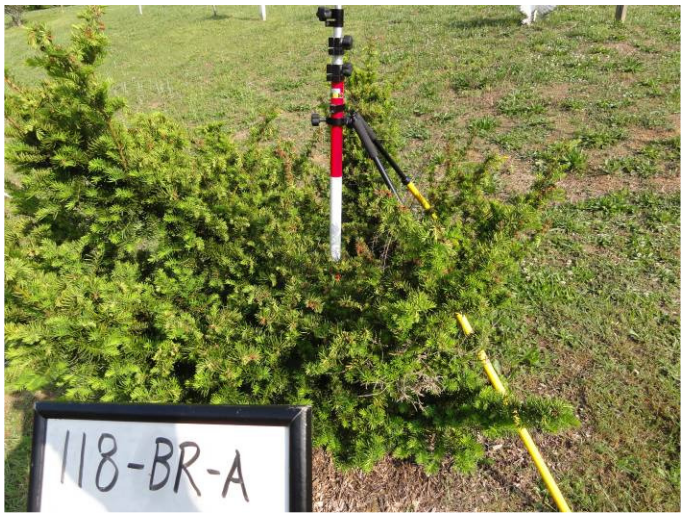


Photo:			
Point ID	118-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	118
Proj. No.:	7145-001

Photo:			
Point ID	118-FA		
NEZ	3657299.36	5698293.48	989.53

Photo:			
Point ID	118-FA		

Photo:			
Point ID	118-HG		
NEZ	3657207.09	5698483.18	979.44

Photo:			
Point ID	118-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	118
Proj. No.:	7145-001

Photo:			
Point ID	118-UA		
NEZ	3657165.93	5698420.37	972.72

Photo:			
Point ID	118-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	119
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Vicco

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3614823.36	ELEVATION	ELLIPSOID
EASTING:	5704637.46	939.18	836.51

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	12:31:49	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	12:35:06		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	119
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	119B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Vicco

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3614730.89	ELEVATION	ELLIPSOID
EASTING:	5704553.27	938.83	836.16

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	12:41:15	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	12:44:26		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	119B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	119
Proj. No.:	7145-001

Photo:			
Point ID	119-BE		
NEZ	3614750.37	5704590.72	940.21

Photo:			
Point ID	119-BE		

Photo:			
Point ID	119-BR		
NEZ	3614766.36	5704657.68	941.35

Photo:			
Point ID	119-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	119
Proj. No.:	7145-001

Photo:			
Point ID	119-FA		
NEZ	3614698.73	5704638.83	940.39

Photo:			
Point ID	119-FA		

Photo:			
Point ID	119-HG		
NEZ	3614628.26	5704474.94	939.61

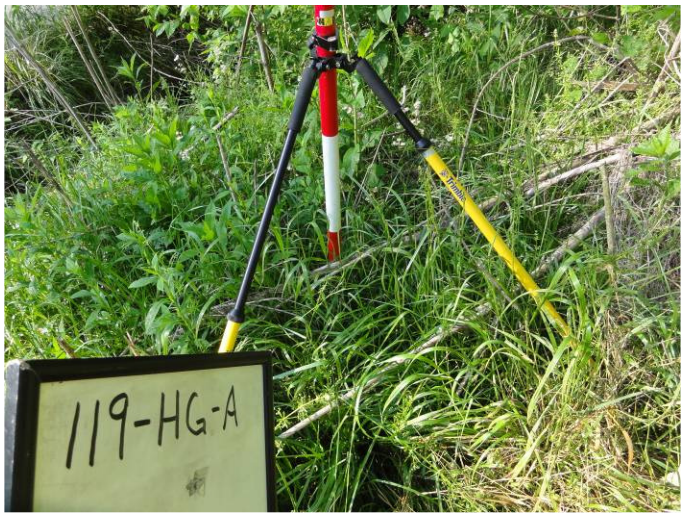


Photo:			
Point ID	119-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	119
Proj. No.:	7145-001

Photo:			
Point ID	119-UA		
NEZ	3614737.97	5704543.84	939.36

Photo:			
Point ID	119-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	120
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Vicco

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3584237.48	ELEVATION	ELLIPSOID
EASTING:	5701958.18	992.23	890.00

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

SESSION	DATE:	5/03/2012	START TIME:	15:11:15	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	15:51:10		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	120
Proj. No.:	7145-001

Photo:

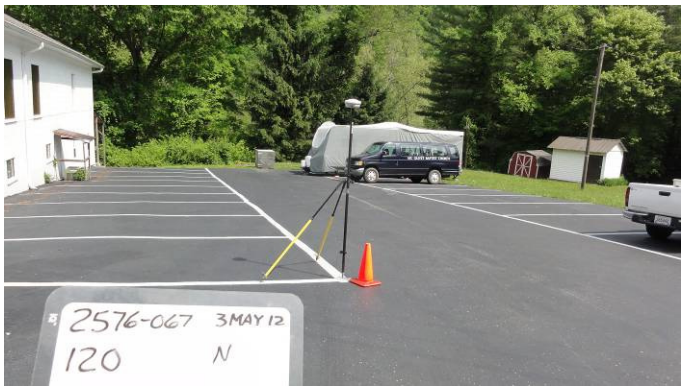


Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	120B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Vicco

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3584156.45	ELEVATION	ELLIPSOID
EASTING:	5702003.88	994.65	892.42

SESSION	DATE:	5/03/2012	START TIME:	15:10:15	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	15:51:45		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	120B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	120
Proj. No.:	7145-001

Photo:			
Point ID	120-BE		
NEZ	3584287.97	5701993.64	987.81

Photo:			
Point ID	120-BE		

Photo:			
Point ID	120-BR		
NEZ	3584333.38	5701929.03	982.56

Photo:			
Point ID	120-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

AREA ID:	120
Proj. No.:	7145-001

Photo:			
Point ID	120-FA		
NEZ	3584179.55	5702061.41	1003.86

Photo:			
Point ID	120-FA		

Photo:			
Point ID	120-HG		
NEZ	3584147.49	5702035.83	996.31

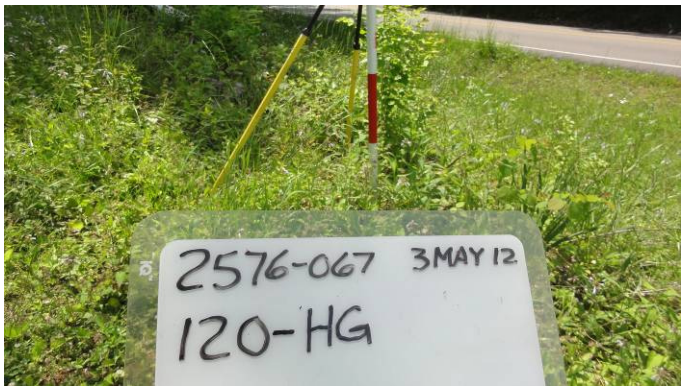


Photo:			
Point ID	120-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	120
Proj. No.:	7145-001

Photo:			
Point ID	120-UA		
NEZ	3584168.15	5701949.29	994.50

Photo:			
Point ID	120-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	121
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Tilford

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3545242.99	ELEVATION	ELLIPSOID
EASTING:	5704486.78	1612.66	1511.12

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

SESSION	DATE:	5/03/2012	START TIME:	13:48:30	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	14:11:05		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	121
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	121B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Perry	QUAD:	Tilford

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3545184.85	ELEVATION	ELLIPSOID
EASTING:	5704579.40	1619.40	1517.86

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

SESSION	DATE:	5/03/2012	START TIME:	13:50:15	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	14:12:50		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	121B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

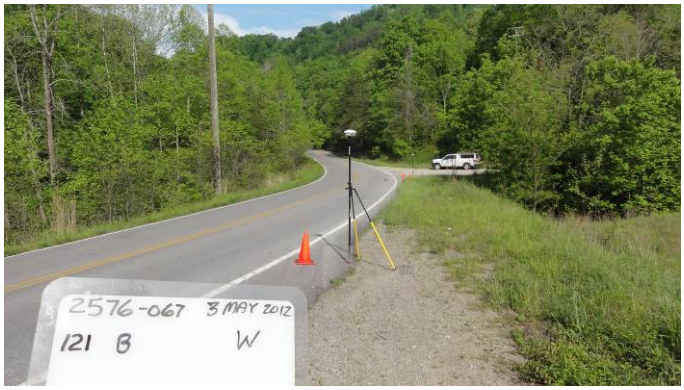


Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	121
Proj. No.:	7145-001

Photo:			
Point ID	121-BE		
NEZ	3545238.04	5704664.17	1620.74

Photo:			
Point ID	121-BE		

Photo:			
Point ID	121-BR		
NEZ	3545311.62	5704388.58	1613.42

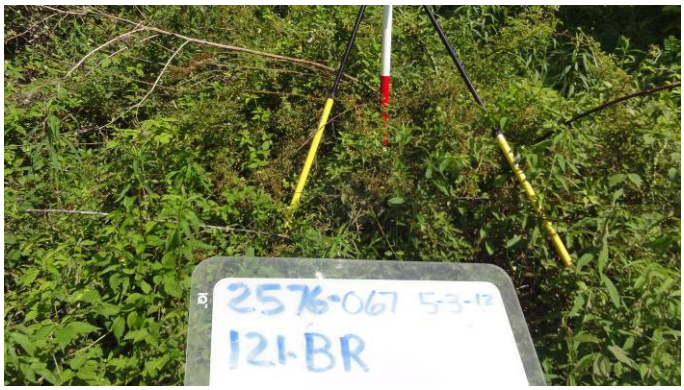


Photo:			
Point ID	121-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	121
Proj. No.:	7145-001

Photo:			
Point ID	121-FA		
NEZ	3545208.86	5704419.49	1604.56

Photo:			
Point ID	121-FA		

Photo:			
Point ID	121-HG		
NEZ	3545069.64	5704690.89	1627.97

Photo:			
Point ID	121-HG		

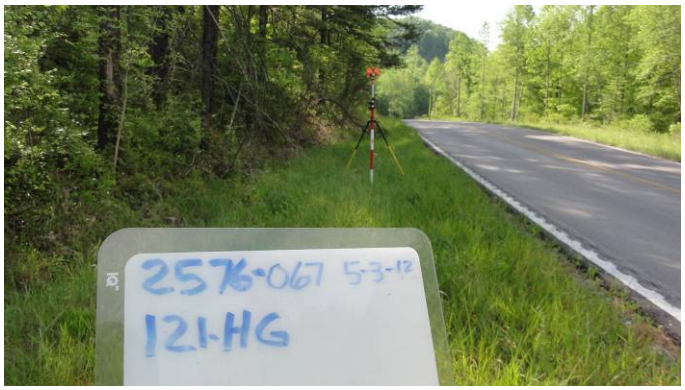


PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	121
Proj. No.:	7145-001

Photo:			
Point ID	121-UA		
NEZ	3545325.76	5704487.88	1613.34

Photo:			
Point ID	121-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	122
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Harlan	QUAD:	Louellen

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3520248.54	ELEVATION	ELLIPSOID
EASTING:	5706127.18	1376.60	1275.50

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

SESSION	DATE:	5/01/2012	START TIME:	17:36:45	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	17:57:45		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	122
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	122B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Harlan	QUAD:	Louellen

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3520313.88	ELEVATION	ELLIPSOID
EASTING:	5706197.33	1374.93	1273.83

SESSION	DATE:	5/01/2012	START TIME:	17:38:15	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	17:59:45		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	122B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	122
Proj. No.:	7145-001

Photo:			
Point ID	122-BE		
NEZ	3520158.67	5706192.49	1365.22

Photo:			
Point ID	122-BE		

Photo:			
Point ID	122-BR		
NEZ	3520312.18	5706069.06	1363.46

Photo:			
Point ID	122-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	122
Proj. No.:	7145-001

Photo:			
Point ID	122-FA		
NEZ	3520019.88	5705911.39	1371.27

Photo:			
Point ID	122-FA		

Photo:			
Point ID	122-HG		
NEZ	3520402.48	5706196.03	1365.31

Photo:			
Point ID	122-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	122
Proj. No.:	7145-001

Photo:			
Point ID	122-UA		
NEZ	3520140.63	5706034.08	1377.07

Photo:			
Point ID	122-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	123
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Harlan	QUAD:	Benham

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3527217.95	ELEVATION	ELLIPSOID
EASTING:	5728952.91	1441.98	1340.84

SESSION	DATE:	5/01/2012	START TIME:	16:19:50	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	16:45:45		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	123
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	123B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Harlan	QUAD:	Benham

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3527329.23	ELEVATION	ELLIPSOID
EASTING:	5729085.07	1446.78	1345.64

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

SESSION	DATE:	5/01/2012	START TIME:	16:22:25	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	16:45:00		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	123B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	123
Proj. No.:	7145-001

Photo:			
Point ID	123-BE		
NEZ	3527305.54	5729100.28	1447.08

Photo:			
Point ID	123-BE		

Photo:			
Point ID	123-BR		
NEZ	3527402.78	5729189.27	1457.35

Photo:			
Point ID	123-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	123
Proj. No.:	7145-001

Photo:			
Point ID	123-FA		
NEZ	3527047.19	5729027.35	1443.92

Photo:			
Point ID	123-FA		

Photo:			
Point ID	123-HG		
NEZ	3527142.85	5728913.85	1445.29

Photo:			
Point ID	123-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	123
Proj. No.:	7145-001

Photo:			
Point ID	123-UA		
NEZ	3527114.90	5728811.47	1444.21

Photo:			
Point ID	123-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	124
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Roxana

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3545347.80	ELEVATION	ELLIPSOID
EASTING:	5734642.78	1156.04	1054.47

SESSION	DATE:	5/02/2012	START TIME:	16:49:45	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	17:13:50		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	124
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	124B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Roxana

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3545283.07	ELEVATION	ELLIPSOID
EASTING:	5734444.32	1161.71	1060.14

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

SESSION	DATE:	5/02/2012	START TIME:	16:51:45	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	17:14:40		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	124B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	124
Proj. No.:	7145-001

Photo:			
Point ID	124-BE		
NEZ	3545278.05	5734368.77	1165.76

Photo:			
Point ID	124-BE		

Photo:			
Point ID	124-BR		
NEZ	3545351.41	5734659.77	1156.30

Photo:			
Point ID	124-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	124
Proj. No.:	7145-001

Photo:			
Point ID	124-FA		
NEZ	3545290.88	5734575.41	1158.32

Photo:			
Point ID	124-FA		

Photo:			
Point ID	124-HG		
NEZ	3545218.32	5734287.05	1167.52

Photo:			
Point ID	124-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	124
Proj. No.:	7145-001

Photo:			
Point ID	124-UA		
NEZ	3545379.72	5734744.57	1153.72

Photo:			
Point ID	124-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	125
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Blackey

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3587769.75	ELEVATION	ELLIPSOID
EASTING:	5733088.79	1007.58	905.23

SESSION	DATE:	5/03/2012	START TIME:	18:20:55	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	18:43:20		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	125
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	125B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Blackey

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3587754.80	ELEVATION	ELLIPSOID
EASTING:	5732914.24	1002.04	899.69

SESSION	DATE:	5/03/2012	START TIME:	18:24:25	X	UTC
OPUS RS	DAY OF YEAR:	124	END TIME:	18:45:25		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

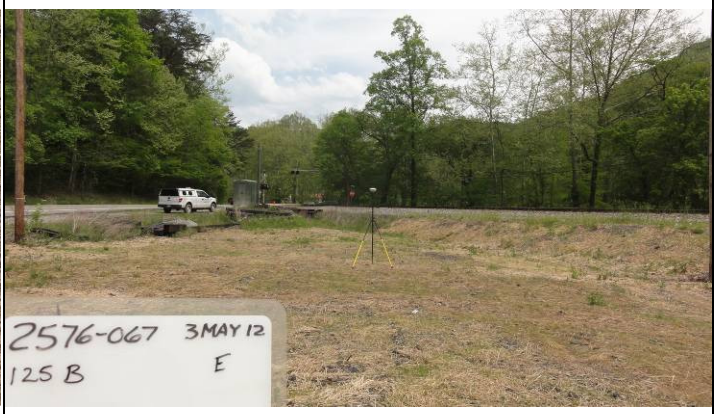


PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	125B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	125
Proj. No.:	7145-001

Photo:			
Point ID	125-BE		
NEZ	3587819.49	5732738.65	999.57

Photo:			
Point ID	125-BE		

Photo:			
Point ID	125-BR		
NEZ	3587859.88	5732978.32	1006.78

Photo:			
Point ID	125-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

JOB REFERENCE	
Kentucky Statewide	

AREA ID:	125
Proj. No.:	7145-001

Photo:			
Point ID	125-FA		
NEZ	3587913.28	5732746.59	1002.94

Photo:			
Point ID	125-FA		

Photo:			
Point ID	125-HG		
NEZ	3587862.04	5732911.52	1004.31

Photo:			
Point ID	125-HG		

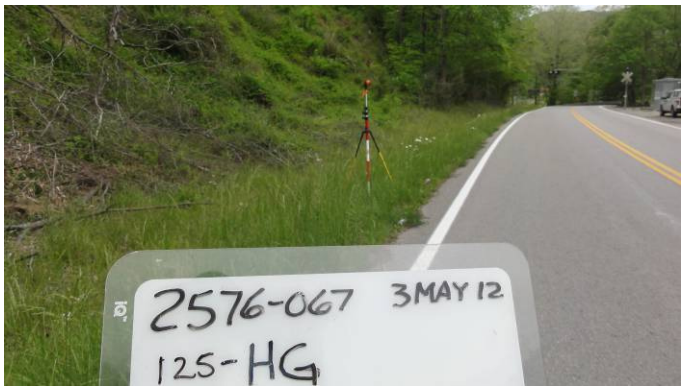


PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	125
Proj. No.:	7145-001

Photo:			
Point ID	125-UA		
NEZ	3587727.64	5733061.74	1002.90

Photo:			
Point ID	125-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	126
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Blackey

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3622124.45	ELEVATION	ELLIPSOID
EASTING:	5735866.53	1037.51	934.63

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	13:51:20	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	13:54:43		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	126
Proj. No.:	7145-001

Photo:

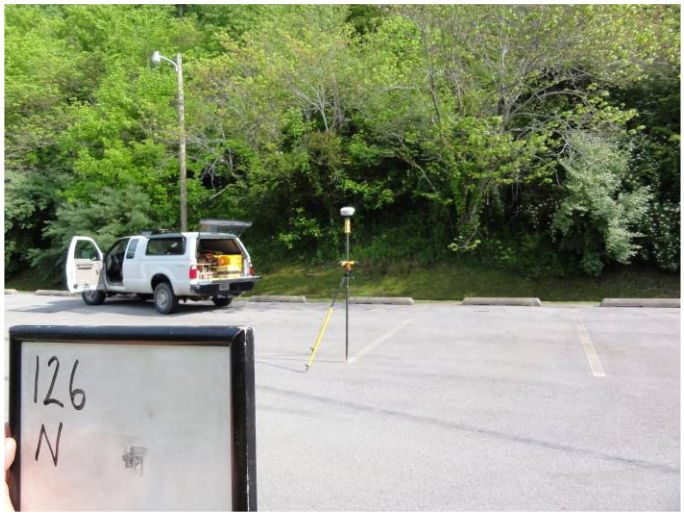


Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	126B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Blackey

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3622102.90	ELEVATION	ELLIPSOID
EASTING:	5735976.79	1045.95	943.07

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	13:58:09	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	14:01:46		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	126B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	126
Proj. No.:	7145-001

Photo:			
Point ID	126-BE		
NEZ	3622007.64	5735978.59	1033.56

Photo:			
Point ID	126-BE		

Photo:			
Point ID	126-BR		
NEZ	3622140.00	5735959.78	1044.22

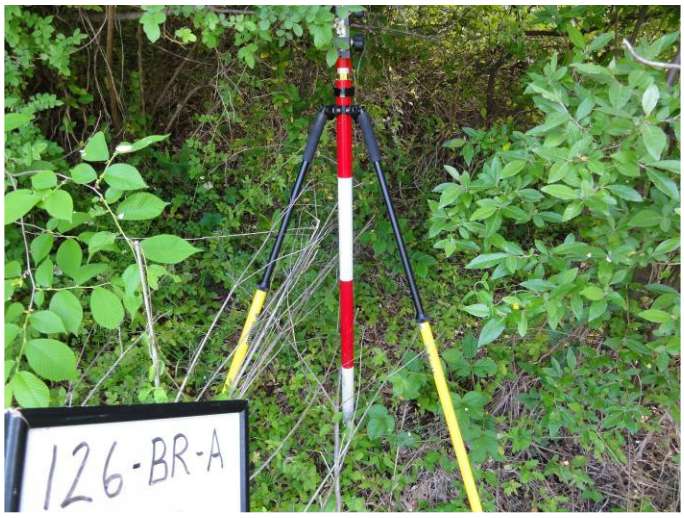


Photo:			
Point ID	126-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	126
Proj. No.:	7145-001

Photo:			
Point ID	126-FA		
NEZ	3622061.32	5736014.06	1045.29

Photo:			
Point ID	126-FA		

Photo:			
Point ID	126-HG		
NEZ	3622140.93	5735943.30	1043.10

Photo:			
Point ID	126-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	126
Proj. No.:	7145-001

Photo:			
Point ID	126-UA		
NEZ	3622092.62	5735974.12	1045.95

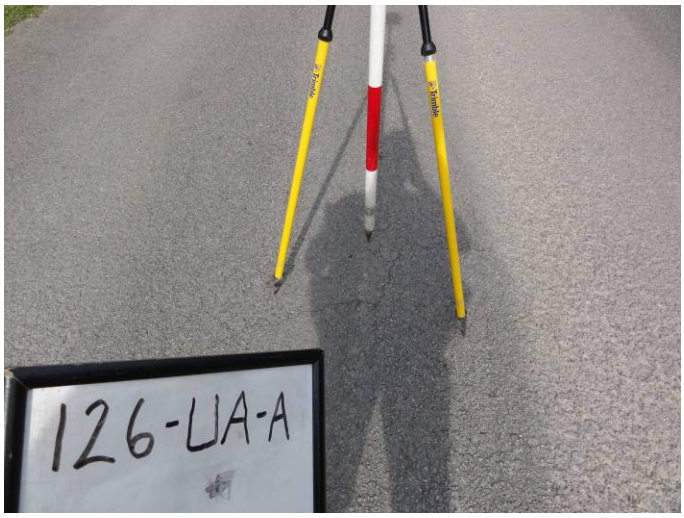


Photo:			
Point ID	126-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	127
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Hindman

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3650415.42	ELEVATION	ELLIPSOID
EASTING:	5736133.54	1067.62	964.30

SESSION	DATE:	5/03/2012	START TIME:	15:22:06	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	15:25:38		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	127
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	127B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Hindman

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3650468.68	ELEVATION	ELLIPSOID
EASTING:	5736037.78	1066.76	963.44

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	15:29:24	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	15:32:39		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	127B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	127
Proj. No.:	7145-001

Photo:			
Point ID	127-BE		
NEZ	3650457.05	5736082.27	1066.78

Photo:			
Point ID	127-BE		

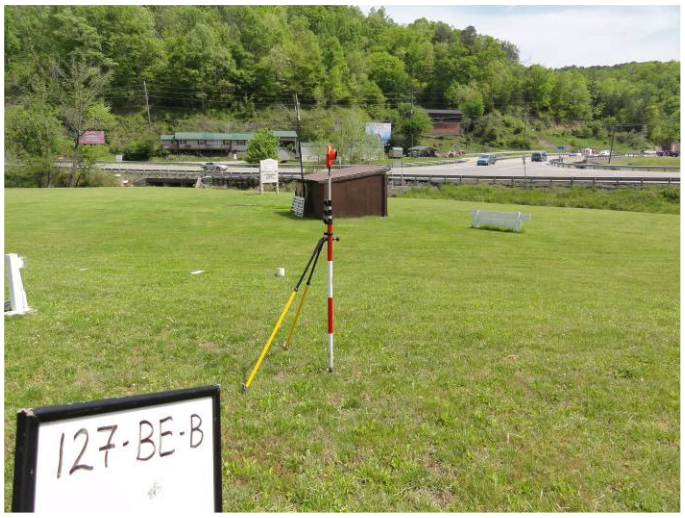


Photo:			
Point ID	127-BR		
NEZ	3650322.49	5736163.39	1068.42

Photo:			
Point ID	127-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	127
Proj. No.:	7145-001

Photo:			
Point ID	127-FA		
NEZ	3650178.90	5736193.48	1063.62

Photo:			
Point ID	127-FA		

Photo:			
Point ID	127-HG		
NEZ	3650247.59	5736206.71	1064.46

Photo:			
Point ID	127-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	127
Proj. No.:	7145-001

Photo:			
Point ID	127-UA		
NEZ	3650459.18	5736053.62	1067.33

Photo:			
Point ID	127-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	128
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Handshoe

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3690237.83	ELEVATION	ELLIPSOID
EASTING:	5739396.48	1481.08	1377.06

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/02/2012	START TIME:	15:14:58	X	UTC
RTK	DAY OF YEAR:	123	END TIME:	15:18:23		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	128
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	128B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Handshoe

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3690153.80	ELEVATION	ELLIPSOID
EASTING:	5739499.36	1483.65	1379.63

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/02/2012	START TIME:	15:21:32	X	UTC
RTK	DAY OF YEAR:	123	END TIME:	15:24:50		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	128B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	128
Proj. No.:	7145-001

Photo:			
Point ID	128-BE		
NEZ	3690231.94	5739578.93	1484.36

Photo:			
Point ID	128-BE		

Photo:			
Point ID	128-BR		
NEZ	3690393.52	5739592.69	1482.12

Photo:			
Point ID	128-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	128
Proj. No.:	7145-001

Photo:			
Point ID	128-FA		
NEZ	3690547.51	5739881.00	1484.62

Photo:			
Point ID	128-FA		

Photo:			
Point ID	128-HG		
NEZ	3690303.83	5739606.01	1484.63

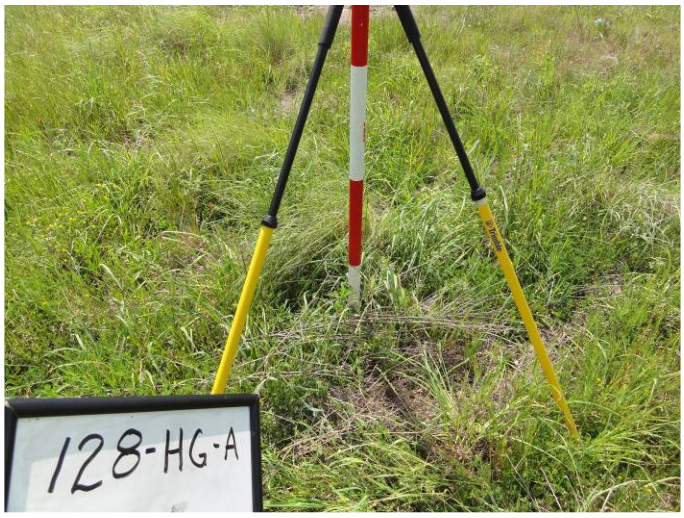


Photo:			
Point ID	128-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	128
Proj. No.:	7145-001

Photo:			
Point ID	128-UA		
NEZ	3690177.82	5739515.16	1483.93

Photo:			
Point ID	128-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	129
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Kite

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3638536.49	ELEVATION	ELLIPSOID
EASTING:	5769098.58	1270.10	1166.96

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	16:38:20	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	16:41:48		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	129
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	129B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Knott	QUAD:	Kite

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3638515.59	ELEVATION	ELLIPSOID
EASTING:	5768970.76	1269.12	1165.98

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	17:01:48	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	17:05:05		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	129B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	129
Proj. No.:	7145-001

Photo:			
Point ID	129-BE		
NEZ	3638528.10	5768965.19	1269.41

Photo:			
Point ID	129-BE		

Photo:			
Point ID	129-BR		
NEZ	3638563.00	5769102.90	1270.06

Photo:			
Point ID	129-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	129
Proj. No.:	7145-001

Photo:			
Point ID	129-FA		
NEZ	3638446.30	5769009.50	1264.62

Photo:			
Point ID	129-FA		

Photo:			
Point ID	129-HG		
NEZ	3638564.03	5768987.97	1271.27

Photo:			
Point ID	129-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	129
Proj. No.:	7145-001

Photo:			
Point ID	129-UA		
NEZ	3638487.48	5768977.04	1268.78

Photo:			
Point ID	129-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	130
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Mayking

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3620004.34	ELEVATION	ELLIPSOID
EASTING:	5769685.80	1174.34	1071.55

SESSION	DATE:	5/03/2012	START TIME:	19:31:16	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	19:34:20		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	130
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	130B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Mayking

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3620099.47	ELEVATION	ELLIPSOID
EASTING:	5769555.28	1173.94	1071.15

SESSION	DATE:	5/03/2012	START TIME:	19:37:56	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	19:41:13		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	130B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	130
Proj. No.:	7145-001

Photo:			
Point ID	130-BE		
NEZ	3620136.17	5769568.29	1174.14

Photo:			
Point ID	130-BE		

Photo:			
Point ID	130-BR		
NEZ	3619977.07	5769684.89	1174.94

Photo:			
Point ID	130-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	130
Proj. No.:	7145-001

Photo:			
Point ID	130-FA		
NEZ	3620195.68	5769669.44	1181.24

Photo:			
Point ID	130-FA		

Photo:			
Point ID	130-HG		
NEZ	3620002.67	5769966.86	1179.29

Photo:			
Point ID	130-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	130
Proj. No.:	7145-001

Photo:			
Point ID	130-UA		
NEZ	3619998.43	5769652.79	1174.61

Photo:			
Point ID	130-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	131
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Whitesburg

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3581398.76	ELEVATION	ELLIPSOID
EASTING:	5769241.08	1141.60	1039.39

SESSION	DATE:	5/02/2012	START TIME:	11:21:15	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	11:49:35		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	131
Proj. No.:	7145-001

Photo:	Photo:
Photo:	**Photo:**

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	131B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Whitesburg

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3581437.91	ELEVATION	ELLIPSOID
EASTING:	5769135.24	1143.37	1041.16

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

SESSION	DATE:	5/02/2012	START TIME:	11:23:10	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	11:50:20		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	131B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	131
Proj. No.:	7145-001

Photo:			
Point ID	131-BE		
NEZ	3581280.95	5769404.05	1139.97

Photo:			
Point ID	131-BE		

Photo:			
Point ID	131-BR		
NEZ	3581371.38	5769043.24	1138.49

Photo:			
Point ID	131-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	131
Proj. No.:	7145-001

Photo:			
Point ID	131-FA		
NEZ	3581529.83	5769270.18	1144.00

Photo:			
Point ID	131-FA		

Photo:			
Point ID	131-HG		
NEZ	3581468.40	5769204.61	1144.93

Photo:			
Point ID	131-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	131
Proj. No.:	7145-001

Photo:			
Point ID	131-UA		
NEZ	3581295.11	5769275.65	1137.84

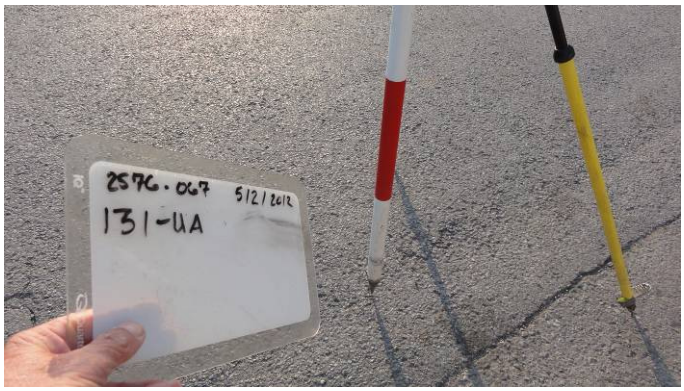


Photo:			
Point ID	131-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	132
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Whitesburg

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3557263.56	ELEVATION	ELLIPSOID
EASTING:	5777649.40	1627.42	1525.99

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

SESSION	DATE:	5/01/2012	START TIME:	18:55:45	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	19:29:10		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	132
Proj. No.:	7145-001

Photo:	Photo:
Photo:	**Photo:**

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	132B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Whitesburg

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3557248.14	ELEVATION	ELLIPSOID
EASTING:	5777468.55	1626.31	1524.87

SESSION	DATE:	5/01/2012	START TIME:	18:58:15	X	UTC
OPUS RS	DAY OF YEAR:	122	END TIME:	19:30:00		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	132B
Proj. No.:	7145-001

Photo:	Photo:
Photo:	**Photo:**

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	132
Proj. No.:	7145-001

Photo:			
Point ID	132-BE		
NEZ	3557191.34	5777508.78	1618.67

Photo:			
Point ID	132-BE		

Photo:			
Point ID	132-BR		
NEZ	3557157.85	5777655.32	1614.19

Photo:			
Point ID	132-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	132
Proj. No.:	7145-001

Photo:			
Point ID	132-FA		
NEZ	3557339.96	5777602.16	1640.72

Photo:			
Point ID	132-FA		

Photo:			
Point ID	132-HG		
NEZ	3557219.06	5777325.39	1628.60

Photo:			
Point ID	132-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	132
Proj. No.:	7145-001

Photo:			
Point ID	132-UA		
NEZ	3557358.06	5777638.49	1628.78

Photo:			
Point ID	132-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	133 ALT
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	C. Sanders
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3595229.02	ELEVATION	ELLIPSOID
EASTING:	5798291.89	1251.50	1149.27

SESSION	DATE:	5/02/2012	START TIME:	12:52:40	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	13:24:10		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	133 ALT
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	133B ALT
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3595182.18	ELEVATION	ELLIPSOID
EASTING:	5798359.59	1250.48	1148.25

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

SESSION	DATE:	5/02/2012	START TIME:	12:53:45	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	13:24:45		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	133B ALT
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	133-ALT
Proj. No.:	7145-001

Photo:			
Point ID	133-ALT-BE		
NEZ	3595175.23	5798235.02	1251.65

Photo:			
Point ID	133-ALT-BE		

Photo:			
Point ID	133-ALT-BR		
NEZ	3595286.09	5798409.37	1253.08

Photo:			
Point ID	133-ALT-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	133-ALT
Proj. No.:	7145-001

Photo:			
Point ID	133-ALT-FA		
NEZ	3595276.76	5798212.02	1257.29

Photo:			
Point ID	133-ALT-FA		

Photo:			
Point ID	133-ALT-HG		
NEZ	3595224.35	5798521.33	1252.47

Photo:			
Point ID	133-ALT-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	133-ALT
Proj. No.:	7145-001

Photo:			
Point ID	133-ALT-UA		
NEZ	3595152.35	5798500.86	1254.18

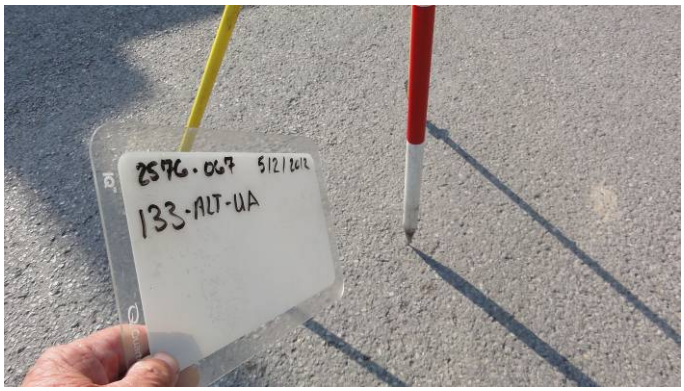


Photo:			
Point ID	133-ALT-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	134
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3626656.02	ELEVATION	ELLIPSOID
EASTING:	5797879.20	1393.32	1290.56

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	18:13:17	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	18:16:51		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	134
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	134B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3626746.87	ELEVATION	ELLIPSOID
EASTING:	5797865.98	1391.80	1289.04

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/03/2012	START TIME:	18:20:00	X	UTC
RTK	DAY OF YEAR:	124	END TIME:	18:23:30		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	134B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	134
Proj. No.:	7145-001

Photo:			
Point ID	134-BE		
NEZ	3626733.02	5797858.77	1391.44

Photo:			
Point ID	134-BE		

Photo:			
Point ID	134-BR		
NEZ	3626722.27	5797822.55	1391.17

Photo:			
Point ID	134-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	134
Proj. No.:	7145-001

Photo:			
Point ID	134-FA		
NEZ	3626656.23	5797828.49	1388.37

Photo:			
Point ID	134-FA		

Photo:			
Point ID	134-HG		
NEZ	3626775.85	5797840.99	1391.87

Photo:			
Point ID	134-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	134
Proj. No.:	7145-001

Photo:			
Point ID	134-UA		
NEZ	3626688.38	5797907.23	1394.22

Photo:			
Point ID	134-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	135
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3614702.44	ELEVATION	ELLIPSOID
EASTING:	5817992.75	1449.20	1346.78

SESSION	DATE:	5/02/2012	START TIME:	15:00:40	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	15:23:35		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	135
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	135B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3614831.32	ELEVATION	ELLIPSOID
EASTING:	5818111.59	1453.16	1350.74

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

SESSION	DATE:	5/02/2012	START TIME:	15:02:15	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	15:24:45		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	135B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	135
Proj. No.:	7145-001

Photo:			
Point ID	135-BE		
NEZ	3614781.24	5818065.89	1451.40

Photo:			
Point ID	135-BE		

Photo:			
Point ID	135-BR		
NEZ	3614552.56	5817871.75	1444.12

Photo:			
Point ID	135-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	135
Proj. No.:	7145-001

Photo:			
Point ID	135-FA		
NEZ	3614920.52	5818118.17	1467.09

Photo:			
Point ID	135-FA		

Photo:			
Point ID	135-HG		
NEZ	3614963.86	5818183.21	1456.44

Photo:			
Point ID	135-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	135
Proj. No.:	7145-001

Photo:			
Point ID	135-UA		
NEZ	3614600.77	5817831.49	1453.04

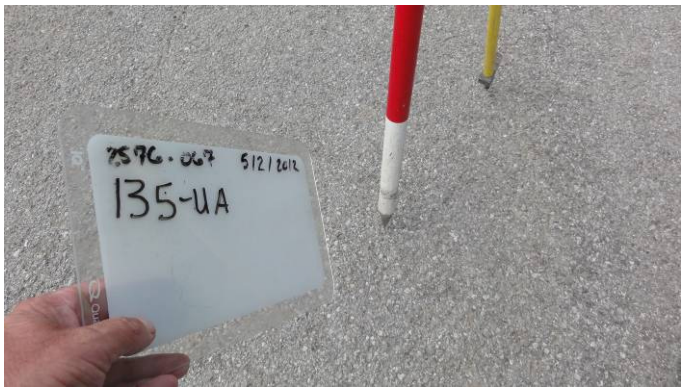


Photo:			
Point ID	135-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	136
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Leslie	QUAD:	Hazard South

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3586655.95	ELEVATION	ELLIPSOID
EASTING:	5657256.87	1383.28	1281.47

SESSION	DATE:	5/04/2012	START TIME:	13:25:45	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	14:02:05		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	136
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	136B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Leslie	QUAD:	Hazard South

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3586668.51	ELEVATION	ELLIPSOID
EASTING:	5657175.53	1378.46	1276.65

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

SESSION	DATE:	5/04/2012	START TIME:	13:28:15	X	UTC
OPUS RS	DAY OF YEAR:	125	END TIME:	14:02:05		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	136B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	136
Proj. No.:	7145-001

Photo:			
Point ID	136-BE		
NEZ	3586669.93	5657284.76	1383.60

Photo:			
Point ID	136-BE		

Photo:			
Point ID	136-BR		
NEZ	3586623.98	5657286.11	1384.51

Photo:			
Point ID	136-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	136
Proj. No.:	7145-001

Photo:			
Point ID	136-FA		
NEZ	3586615.68	5657332.42	1384.64

Photo:			
Point ID	136-FA		

Photo:			
Point ID	136-HG		
NEZ	3586670.20	5657080.58	1374.87

Photo:			
Point ID	136-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	136
Proj. No.:	7145-001

Photo:			
Point ID	136-UA		
NEZ	3586644.80	5657353.70	1385.54

Photo:			
Point ID	136-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	137
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Harlan	QUAD:	Nolansburg

OPERATOR:	B. Novy

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3518463.93	ELEVATION	ELLIPSOID
EASTING:	5676186.96	1840.17	1739.07

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

SESSION	DATE:	5/02/2012	START TIME:	18:56:20	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	19:20:50		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	137
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	137B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Harlan	QUAD:	Nolansburg

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3518328.64	ELEVATION	ELLIPSOID
EASTING:	5675980.99	1854.30	1753.21

SESSION	DATE:	5/02/2012	START TIME:	18:58:50	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	19:21:55		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	137B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	137
Proj. No.:	7145-001

Photo:			
Point ID	137-BE		
NEZ	3518393.36	5676182.92	1832.28

Photo:			
Point ID	137-BE		

Photo:			
Point ID	137-BR		
NEZ	3518431.40	5676324.37	1833.01

Photo:			
Point ID	137-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	137
Proj. No.:	7145-001

Photo:			
Point ID	137-FA		
NEZ	3518527.33	5676209.33	1839.64

Photo:			
Point ID	137-FA		

Photo:			
Point ID	137-HG		
NEZ	3518514.58	5676415.09	1829.00

Photo:			
Point ID	137-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	137
Proj. No.:	7145-001

Photo:			
Point ID	137-UA		
NEZ	3518332.05	5676001.31	1854.24

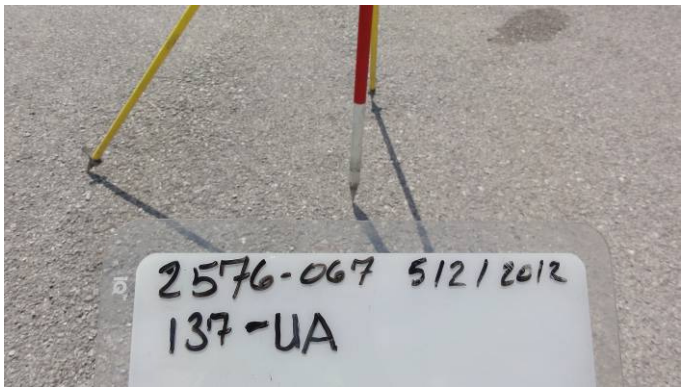


Photo:			
Point ID	137-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	138
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161172

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3595779.83	ELEVATION	ELLIPSOID
EASTING:	5823579.30	1887.65	1785.62

SESSION	DATE:	5/02/2012	START TIME:	13:55:15	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	14:14:25		LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000	Meters	
	MEASURED	X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

JOB REFERENCE
Kentucky Statewide

POINT ID:	138
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	138B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Letcher	QUAD:	Jenkins West

OPERATOR:	B. Novy
RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	4849161142

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3595813.51	ELEVATION	ELLIPSOID
EASTING:	5823677.64	1898.02	1795.99

SESSION	DATE:	5/02/2012	START TIME:	13:56:15	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	14:14:45		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

MAG NAIL

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	138B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	138
Proj. No.:	7145-001

Photo:			
Point ID	138-BE		
NEZ	3595824.03	5823820.47	1911.67

Photo:			
Point ID	138-BE		

Photo:			
Point ID	138-BR		
NEZ	3595734.82	5823627.75	1887.39

Photo:			
Point ID	138-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	138
Proj. No.:	7145-001

Photo:			
Point ID	138-FA		
NEZ	3595697.97	5823448.06	1878.93

Photo:			
Point ID	138-FA		

Photo:			
Point ID	138-HG		
NEZ	3595698.84	5823574.51	1888.75

Photo:			
Point ID	138-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points
FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	138
Proj. No.:	7145-001

Photo:			
Point ID	138-UA		
NEZ	3595879.79	5823910.87	1916.69

Photo:			
Point ID	138-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	139
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Tiptop

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3723526.11	ELEVATION	ELLIPSOID
EASTING:	5717581.34	1139.30	1034.77

RECEIVER MODEL:	TRM R8-3
RECEIVER S/N:	5046455856

SESSION	DATE:	5/02/2012	START TIME:	19:48:40	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	20:19:05		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	139
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

POINT ID:	139B
Proj. No.:	7145-001

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE:	KY	COUNTY:	Breathitt	QUAD:	Tiptop

OPERATOR:	C. Sanders

	NAD83 KY Single Zone (USFt)	NAVD88	GEOID 09
NORTHING:	3723633.30	ELEVATION	ELLIPSOID
EASTING:	5717626.97	1141.80	1037.26

RECEIVER MODEL:	TRM R8-2
RECEIVER S/N:	4708128653

SESSION	DATE:	5/02/2012	START TIME:	19:53:10	X	UTC
OPUS RS	DAY OF YEAR:	123	END TIME:	20:22:30		LOCAL

ANTENNA HEIGHT (SLANT)				
MTRS/FT				
	MEASURED			FIXED HGT.

ANTENNA	
RADIUS (M):	
Antenna Serial #:	N/A
Antenna Type:	INTEGRATED

ANTENNA HEIGHT (ARP)				
MTRS/FT	2.000		Meters	
	MEASURED		X	FIXED HGT.

TOP OF MONUMENT IS:		X	FLUSH
METERS/ FEET			ABOVE GROUND
METERS/ FEET			BELOW GROUND

	AERIAL TARGET		PHOTO I.D.
	PUB. BENCH MARK	X	NEW CONTROL
	PUB. CONTROL		BASE STATION

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

GPS CONTROL SURVEY FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

POINT ID:	139B
Proj. No.:	7145-001

Photo:

Photo:

Photo:

Photo:

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
1

JOB REFERENCE
Kentucky Statewide

AREA ID:	139
Proj. No.:	7145-001

Photo:			
Point ID	139-BE		
NEZ	3723528.67	5717649.84	1136.97

Photo:			
Point ID	139-BE		

Photo:			
Point ID	139-BR		
NEZ	3723394.52	5718026.72	1133.41

Photo:			
Point ID	139-BR		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
2

JOB REFERENCE
Kentucky Statewide

AREA ID:	139
Proj. No.:	7145-001

Photo:			
Point ID	139-FA		
NEZ	3723306.82	5718065.29	1116.90

Photo:			
Point ID	139-FA		

Photo:			
Point ID	139-HG		
NEZ	3723453.70	5717925.41	1142.00

Photo:			
Point ID	139-HG		

PHOTO SCIENCE
Geospatial Solutions

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

LiDAR Truing Points FIELD DATA SHEET

PAGE
3

JOB REFERENCE
Kentucky Statewide

AREA ID:	139
Proj. No.:	7145-001

Photo:			
Point ID	139-UA		
NEZ	3723634.60	5717617.46	1141.83

Photo:			
Point ID	139-UA		

Photo:			
Point ID			
NEZ			

Photo:			
Point ID			