MINIMUM TECHNICAL STANDARDS FINAL
REPORT OF SPECIFIC PURPOSE SURVEY
WOOLPERT PROJECT: 60581

2003-2004 LIGHT DETECTION AND RANGING (LIDAR) DIGITAL TERRAIN MODEL, CONTOURS AND IMAGE RASTER MAPS

ST JOHNS COUNTY
ST AUGUSTINE, FLORIDA

December 8, 2004

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MINIMUM TECHNICAL STANDARDS

FINAL REPORT OF SPECIFIC PURPOSE SURVEY

St. Johns County, Florida

For:
St. Johns County Board of County Commissioners
Public Works Department
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St. Augustine, Florida 32804

By:
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REPORT OF SPECIFIC PURPOSE SURVEY
LIGHT DETECTION AND RANGING (LIDAR), DIGITAL TERRAIN MODEL (DTM), CONTOURS AND Image (Raster) Maps
For
St. Johns County, Florida

Purpose/Type of Survey

St. Johns County, Florida (County) has undertaken a 2-year effort, beginning in January of 2003, to develop comprehensive countywide base mapping and perform other GIS enhancements to support master drainage planning, transportation planning, preliminary engineering and wetland preservation studies. As part of this effort, Woolpert LLP (Woolpert) was contracted by the County to develop DTM for 1-foot contours, line-drawn (vector) topographic features, and image (raster) maps by LiDAR and photogrammetric methods.

LiDAR data was acquired at an average ground sample distance (GSD) of 3.3-feet for DTM development. Panchromatic (black-and-white) aerial photography was acquired at a scale of 1:7,920 (1"=660') to support photogrammetric quality control (QC) and enhancement of the LiDAR DTM, photogrammetric compilation of the line-drawn (vector) topographic features, and image (raster) map development.

As mutually agreed between the County and Woolpert, a triangulated irregular network (TIN) was generated from the DTM to support the generation of 1-foot contours with a vertical accuracy of ±0.75-feet at the 90% confidence level for well-defined points. The contour accuracy complies with the MTS requirements for 1.5-foot contours. The image (raster) map and limited planimetric feature accuracy complies with MTS horizontal accuracy requirements for 1"=100' mapping.

Ground survey QC profiles (3D) and checkpoints (2D) were acquired by the County within the project area and used to confirm the accuracy of the DTM/TIN, contours and image (raster) mapping. The accuracy analysis was based on methods outlined in the Geospatial Positioning Accuracy Standards, Part 3: National Standards for Spatial Data Accuracy (NSSDA) developed by the Federal Geodetic Data Committee (FGDC-STD-007.3-1998).

Date of Survey

Ground control, LiDAR and aerial photography acquisition for the survey was executed on the following dates:

- The ground control targeting and observations occurred between January 14 and February 2, 2004.
- The aerial photography was acquired between January 19 and January 26, 2003.
- The LiDAR data was acquired between January 17 and February 7, 2004.

Survey Area

The survey area comprises all of St. Johns County, Florida, approximately 610 square miles. The County was subdivided into 7 areas to facilitate the delivery of survey data (see Appendix A: 'Survey Limits/Delivery Areas'). The survey data was delivered over a 2-year period beginning September 2003 through November 2004.

Map Reference

There are no printed maps for this survey. All map data was delivered to St. Johns County in digital form only.

Name of Responsible Surveyor

Savo Slijepcevic, CP, PSM
Woolpert LLP
409 East Monument Avenue
Dayton, Ohio 45402-1261
Professional Surveyor and Mapper Number LS-0005438

Name of Company

Woolpert LLP
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Florida Certificate of Authorization Number LB-0006777

Abbreviations

3D – Three-Dimensional
ABGPS – Airborne GPS
ASCII – America Standard Code for Information Interchange
BRATS – Bundle Refinement Aerial Triangulation Solution software
CP – Certified Photogrammetrist
DOI – Digital orthophoto imagery, image (raster) mapping
DTM – Digital Terrain Model
FAAT – Fully Analytical Aerial Triangulation
FEMA–Federal Emergency Management Agency
FGCC – Federal Geodetic Control Committee
GeoTIFF – Georeferenced Tag(ged) Image File Format
GIS – Geographic Information System
GPS – Global Positioning System
GSD – Ground Sample Distance
IMU – Inertial measurement Unit

KDMS – Kork Digital Mapping System
LB – Licensed Business
LS – Licensed Surveyor
LiDAR – Light Detection And Ranging
LLP – Limited Liability Partnership
MHz – Megahertz
MTS – Florida Minimum Technical Standards
NAD 83/90 – North American Datum 1983, 1990 adjustment
NAVD 88 – North American Vertical Datum of 1988
NGS – National Geodetic Survey
NMAS – National Map Accuracy Standards
NOAA – National Oceanic and Atmospheric Administration
NSSDA – National Standards for Spatial Data Accuracy
PSM – Professional Surveyor and Mapper
QC – Quality Control
RABATS – Rapid Analytical Block Aerial Triangulation System
RMSE – Root Mean Square Error
St. – Saint
STD – Standard
TIFF – Tag(ged) Image File Format
TIN – Triangulated Irregular Network
USGS – United States Geological Survey
US – United States
XYZ – Easting, Northing and elevation grid coordinates

Definitions

GeoTIFF: GeoTIFF refers to TIFF files which have geographic (or cartographic) data embedded as tags within the TIFF file. The geographic data can then be used to position the image in the correct location and geometry on the screen of a geographic information display. GeoTIFF is a metadata format, which provides geographic information to associate with the image data. But the TIFF file structure allows both the metadata and the image data to be encoded into the same file (Ruth, 1999).

Digital Orthophoto: A digital image (raster) map, or digital orthophoto imagery (DOI), produced from a series of aerial photographs that have been rectified to correct for aircraft tilt, terrain relief, and camera lens distortion. The resulting image has a consistent scale throughout, allowing the user to take direct measurements such as distances, angles, positions, and areas. The digital raster image is comprised of a digital grid of pixels, or picture elements. Each pixel has a row and column "address" (an *X*,*Y* coordinate) and an intensity value ranging from 0 to 255.

Aerial Triangulation: A method of ground control extension or densification performed mathematically and in conjunction with a limited number of ground control points. This method of control extension or densification has been proven to be accurate and is in common use within the photogrammetric mapping community.

Bare Earth Coverage: A set of discrete XYZ values representing the terrain surface.

Obscured Area: An area on the Earth's surface containing natural or manmade features above ground that occlude directly imaging or sampling the ground surface with an airborne sensor. Obscure areas are

clearly denoted in digital or hardcopy maps with polygons delineating the area, a text label, and dashed contours within the obscured polygon.

Unobscured Area: An area on the Earth's surface that is not totally obscured. Unobscured areas include paved areas, dirt roads, cut grass, low scrub, and medium density forest. The reliability of capturing elevation data through remote sensing methods within defined standards is good.

Map Accuracy

DTM/TIN Vertical Feature Accuracy of Unobscured Points: Per contract specifications, the vertical accuracy requirement of the DTM/TIN for this project is ±0.46-feet root mean square error (RMSE) at the 1-sigma level (±0.90-feet at the 95% confidence level). Based on the accuracy analysis of Appendix E, DTM Accuracy Analysis, **the vertical accuracy of the DTM/TIN is 0.32-feet RMSE at the 1-sigma level (0.63-feet at the 95% confidence level) for unobscured points**.

Contour Vertical Feature Accuracy of Unobscured Points: Per contract specifications, the vertical accuracy requirement of the 1-foot contours for this project is ±0.75-feet at the 90% confidence level. Based on the accuracy analysis of Appendix F, Contour Accuracy Analysis, **the vertical accuracy of the contours is 0.74-feet RMSE at the 90% confidence level for unobscured points.**

Vertical Feature Accuracy of Obscured Points: There is no County accuracy specification for obscured points on this project. Additionally, there exist no published National accuracy standards or industry standards for obscured points, as the ground is not measurable in these areas using photogrammetric methods. Therefore**, the user should exercise caution when working with mass points and breaklines within obscured/vegetation polygons as this data may not meet the accuracy requirements as set forth for unobscured points**. To provide the County with an accuracy estimate within obscured polygons, 10 survey profiles were captured in obscured areas (see Appendix C, Ground Survey QC Profiles). Based on the accuracy analysis of Appendix E, DTM Accuracy Analysis, **the vertical accuracy estimate of the DTM/TIN is 1.04-feet RMSE at the 1-sigma level for obscured points**.

Horizontal Feature Accuracy: The horizontal accuracy requirement for this project is NMAS for 1"= 100' scale mapping. Specifically, 90% of the points tested cannot be in error by more than 2.5-feet circular error at the 90% confidence level. Based on the accuracy analysis of Appendix D, Image (Raster) Map Accuracy Analysis, **the horizontal accuracy of the image (raster) mapping is 0.94 feet circular error at the 90% confidence level with 100% of the points tested meeting the accuracy criteria**.

Datums/Coordinate Systems

LiDAR DTM, line-drawn (vector) topographic features, and image (raster) map data are in State Plane Coordinates, Florida East zone, in units of US Survey Feet, referenced to the NAD83/90 and NAVD88.

Original Control Data Sources:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282

Phone: (301) 713-3242
Fax: (301) 713-4172
Email: info_center@ngs.noaa.gov
http://www.ngs.noaa.gov/

St. Johns County Public Works Department
Surveying and Mapping/GIS Division
4020 Lewis Speedway
St. Augustine, Florida 32084
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Fax: (904) 823-2585
Email: survey@co.st-johns.fl.us

Methodology

The purpose of this topographic LiDAR survey was to produce a digital terrain model (DTM) of sufficient density and accuracy to generate 1-foot contours, compile limited planimetric features, and generate panchromatic (black-and-white) digital orthophoto imagery (DOI). The surveyed area included all of St. Johns County, Florida, approximately 610 square miles.

To support the development of a DTM within St. Johns County, 87 flight lines (swaths) of high density LiDAR data (average 3.3-foot GSD) were obtained at an altitude of 3000-feet AGL. Photogrammetric methods were employed to assist in QC and enhancement of the LiDAR data and compilation of limited planimetric features. Aerial photography at a scale of 1"=660' was controlled across the County. The photography was triangulated and stereomodels were generated on a softcopy photogrammetric workstation. Bare earth LiDAR data was imported into the workstation and superimposed over the stereomodels. Hard breaklines as described in the original scope of services were photogrammetrically captured, and the LiDAR data was stereoscopically verified to fit the ground surface. The DTM was then used to generate 1-foot contours that were delivered as ArcInfo coverages. Additionally, DOI was developed across the project area at a 0.5-foot pixel resolution. DOI tiles (4,000' x 4000') were delivered based on the existing County 4,000' x 4,000' map sheet/tile system in a Geotiff format with ArcInfo World files.

Ground Control Survey

Ground control consisted of 195 points within the County. All points were signalized with a 7' x 7' x 1' "+" target to make the locations visible on the aerial photographs. All ground control surveys were performed in accordance with the "Geometric Geodetic Accuracy Standards for Using GPS Relative Positioning Techniques, Version 5.0, of August 1, 1989, published by the FGCC. All newly established photo control points were determined to a minimum accuracy of second-order for the horizontal and third-order for the vertical.

The horizontal datum of the survey was the North American Datum 1983, 1990 readjustment (NAD83/90). The vertical datum of the survey the North American Vertical Datum of 1988 (NAVD88). The map projection is State Plane Coordinates, Florida East Zone. All units for the ground control survey were expressed in U.S. survey feet.

The ground control survey to support the LiDAR and photogrammetric mapping was based on the following fixed stations:

- Three dimensional (3D) NGS Control Stations
  - D322, DURBIN 2, FLGPS 31, and PC01
- Two dimensional (2D) NGS Control Stations
  - PALM, 872 0596 TIDAL 1
- Two dimensional (2D) St. Johns County Control Stations
  - G022, G027, G037, G057, G061, G067, G091, G107, G119, and TID1
- One dimensional (1D) NGS Control Stations
  - DUPONT 2, ELLZEY, P405, Q 321, Q 323, and VILANO RESET
- One dimensional (1D) St. Johns County Control Stations
  - B071 and KETTLESON PRIM MK

The primary report of survey for the ground control surveys is *Report of GPS Ground Control Survey: For Topographic Aerial Mapping Project 2003, Woolpert Project # 60581,St. Johns County, FL, July 7, 2003.* Within this report are location diagrams for all control points established, descriptions of the data adjustments performed, and final adjusted coordinates for all control points.

Aerial Photography

Panchromatic aerial photography (1"=660') was taken with a Leica RC30, 9-inch negative format camera, serial number 5099, aboard a Cessna T310N aircraft. Fifty-one (51) flights of aerial photography were acquired in 5 sessions between January 19 and January 26, 2003. The aircraft and camera are owned and operated by Woolpert LLP. The flight lines were oriented north south.

LiDAR

The LiDAR data was acquired using a Leica ALS40. Ninety-three (93) flight lines of LiDAR data were acquired in 6 sessions across the County between January 17 and February 7, 2004. The average GSD of the raw LiDAR data was 3.3-feet. Three (3) concurrent airborne GPS base stations were used for each acquisition session.

The ABGPS data was reduced using the GrafNav software package by Waypoint Consulting, Incorporated. The IMU data was reduced using the PosProc software package by Applanix Corporation. The initial LiDAR "point cloud" was derived through the ALS Post Processor software package by Leica Geosystems. The aircraft, LiDAR system, and associated computer hardware and software are owned and operated by Woolpert LLP.

Once the initial LiDAR "point cloud" was derived, Woolpert performed QC to look for any systematic error within the LiDAR flights using proprietary software. After systematic error was identified and removed, the individual LiDAR flights were clipped to remove overlap between adjacent flight lines and provide a homogeneous coverage over the project extents. Using the homogeneous coverage, above ground features were classified and removed using proprietary software to produce the bare-earth coverage.

Aerial Triangulation

Aerial triangulation was performed to extend or densify the network of control points established by the ground control survey. Aerial triangulation provides the proper number and pattern of control points for each stereo model (pair of photographs). This data is necessary to orient the stereo model to the ground for accurate photogrammetric QC of the DTM data, and for the rectification of raster images.

Soft-copy aerial triangulation was performed for the 1"=660' scale aerial photography. Ground control and triangulation points were measured digitally on scanned images of each exposure; no film diapositives were used. Mensuration was performed using SOCET SET software on a Pentium III, 500 MHz workstation. SOCET SET is distributed by LH Systems, LLC, of San Diego, California.

The soft-copy triangulation solution was calculated using the Rapid Analytical Block Aerial Triangulation System (RABATS) and the Bundle Refinement Aerial Triangulation Solution (BRATS) software packages, on a Pentium III, 600 MHz workstation.

The *Aerial Triangulation Report, Countywide Topographic Mapping Project, Woolpert Project # 60581, St. Johns County, FL, September 5, 2003,* describes the aerial triangulation process as well as the data adjustments and final results.

LiDAR QC/Photogrammetric Compilation

The bare-earth LiDAR data was subdivided into stereomodel units derived from triangulated photography over the project area. These units were imported into a softcopy stereoplotter and superimposed over their respective stereomodels. The technician then verified stereoscopically that the LiDAR data was consistent with the ground.

Hard breakline features were compiled in the soft-copy environment, using Kork Digital Mapping System (KDMS) software on a dual Pentium III, 600 MHz photogrammetric workstation. Autometric, Inc., of Bangor, Maine, distributes the Kork software.

The “hard” breaklines such as; edge of pavements, rivers, creeks, streams and water bodies were attributed as such and organized into individual coverage files (see Appendix G, Map Legend). The LiDAR DTM data and polygons were organized into mass point files including: mass points for unobscured areas (point), polygons for obscured areas, and mass points within obscured/vegetative areas (see Appendix G, Map Legend).

Image (Raster) Map Orthophotos

The image (raster) maps were black-and-white digital orthophotos developed by rectifying the digital aerial photography to correct for aircraft tilt, terrain relief, and camera lens distortion. Full differential rectification was performed using the Z/I Imaging Corporation Base Rectifier software. Image mosaicking was performed using OrthoVista software, version 3.3.0, developed by Stellacore Corporation of Parker, Colorado, and distributed by Inpho of Estes Park, Colorado. Processing for orthorectification and image mosaicking was performed on Micron Pentium III, 866 MHz photogrammetric workstations.

Input data for the orthorectification included the interior orientation parameters for the camera (from the USGS camera calibration report), the exterior orientation parameters (from the output of the aerial triangulation results) for each exposure station which included the XYZ and orientation parameters of the camera, the ground control points, and the triangulated irregular network (TIN) file produced from the

DTM data. A table of the ground control points used for georeferencing may be found in Appendix B, 'Ground Control Points Used To Georeference Image (Raster) Maps In St. Johns County'.

After rectifying all digital aerial photography, a controlled mosaic was developed from the individual digital orthophotography images to create a continuous base map. Orthorectification and mosaicking were performed at a 0.5-foot pixel resolution. The combined image file was then partitioned into individual files, or tiles, measuring 4,000' x 4,000'.

GeoTIFF Files

Image (raster) maps were delivered to St. Johns County in GeoTIFF (.tif) format. The file naming convention is as follows:

XXXYYY.tif

where XXX is the hundred thousand, ten thousand, and thousand digit of the X-coordinate (Easting) of the lower left corner of the image (raster) file, and YYY is the hundred thousand, ten thousand, and thousand digit of the Y-coordinate (Northing) of the lower left corner of the image (raster) file.

For example, an image with lower left coordinates of

X = 490,000 Y = 100,000

would be named **490100.tif**.

Accuracy Checks

The horizontal and vertical accuracy of the survey was field verified. Results of those field verifications are included in: Appendix D, Image (Raster) Map Accuracy Analysis; Appendix E, DTM Accuracy Analysis; and Appendix F, Contour Accuracy Analysis.

References

Ruth, Mike. GeoTIFF FAQ Version 2.1, February 1999 Revision
http://www.remotesensing.org/geotiff/faq.html

http://rockyweb.cr.usgs.gov/nmpstds/nmas.htm – UGSG Internet Site for National Map Accuracy Standards

Report of GPS Ground Control Survey
Minimum Technical Standards
Topographic Mapping Project 2003
Woolpert Project # 60581
St. Johns County, FL
July 7, 2003

Woolpert LLP *Aerial Triangulation Report*
2003-2004 *Countywide Topographic Mapping Project*
Woolpert Project # 60581

St. Johns County, FL
September 5, 2003

General Notes

1. This report is not complete without the CDs of the digital mapping, and vice versa.

2. Intended display scale – This mapping is intended to be displayed at a scale of 1:1,200 (1"=100') or smaller.

3. DTM complies with the National Standards for Spatial Data Accuracy.

4. Image (raster) and contour maps comply with the National Map Accuracy Standards.

THIS REPORT IS NOT VALID WITHOUT THE SIGNATURE AND RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

Savo Slijepcevic, CP, PSM Date Seal
Professional Surveyor and Mapper No. LS-0005438

APPENDIX A
SURVEY LIMITS/DELIVERY AREAS

St. Johns County, Florida, mapping limits is comprised of approximately 610 square miles. DTM and DOI were delivered based on the existing county 4,000' x 4,000' tile/sheet system. Preliminary mapping (DTM and DOI) was delivered according to the following schedule. A final delivery of all 1,219 tiles (DTM and DOI) occurred on December 6, 2004.

Priority Area 1: 211 tiles delivered on 11/14/03

Priority Area 2: 200 tiles delivered on 02/09/04

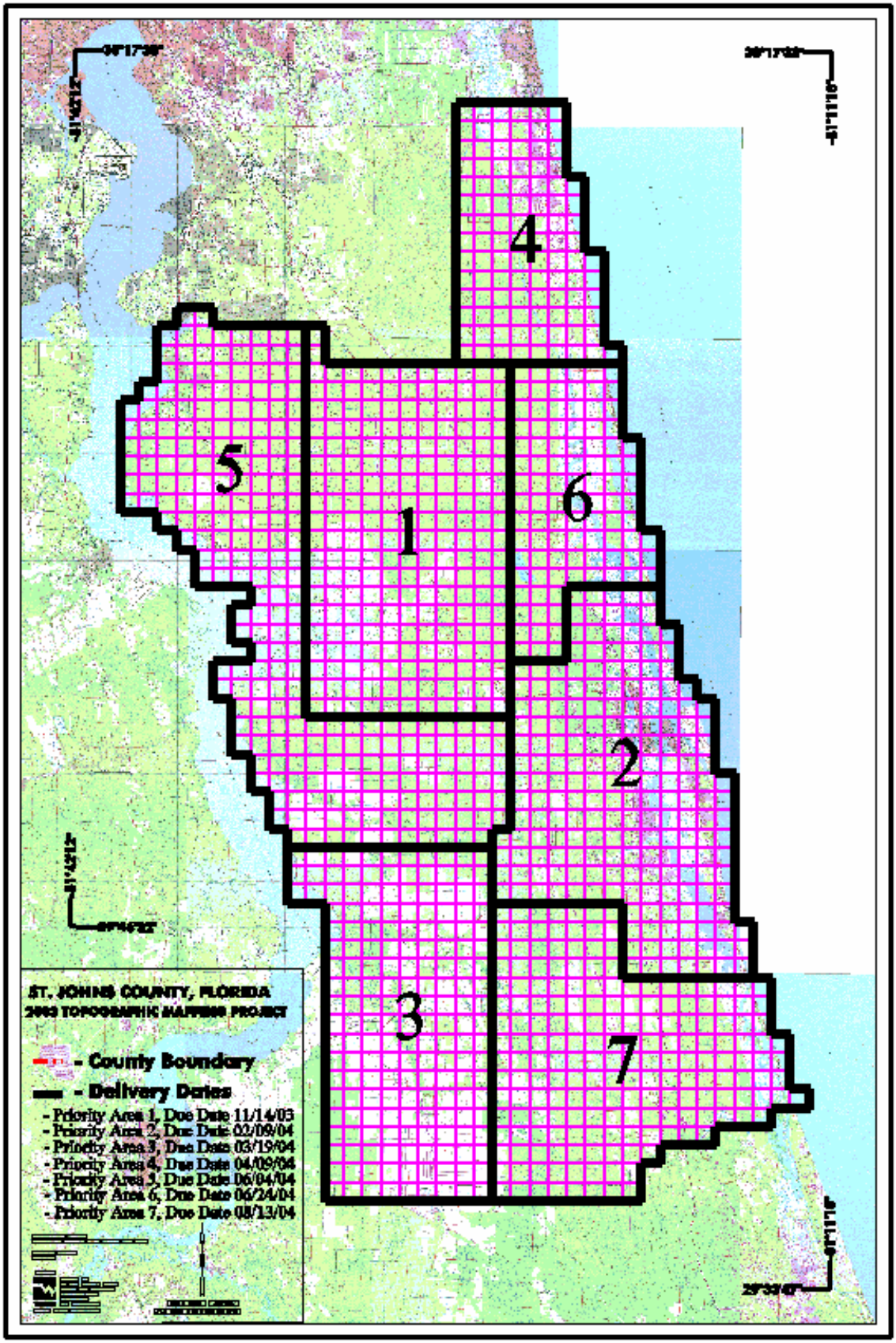
Priority Area 3: 177 tiles delivered on 03/19/04

Priority Area 4: 101 tiles delivered on 04/09/04

Priority Area 5: 245 tiles delivered on 06/04/04

Priority Area 6: 95 tiles delivered on 06/24/04

Priority Area 7: 190 tiles delivered on 08/13/04


4
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ST. JOHNS COUNTY, FLORIDA
2003 TOPOGRAPHIC MAPPING PROJECT
- County Boundary
- Delivery Dates
- Priority Area 1, Due Date 11/14/03
- Priority Area 2, Due Date 02/09/04
- Priority Area 3, Due Date 03/19/04
- Priority Area 4, Due Date 04/09/04
- Priority Area 5, Due Date 06/04/04
- Priority Area 6, Due Date 06/24/04
- Priority Area 7, Due Date 08/13/04

APPENDIX B
GROUND CONTROL POINTS USED TO GEOREFERENCE IMAGE (RASTER) MAPS IN ST. JOHNS COUNTY

Point Number (All Points Targeted)	Northing (U.S. Survey ft.)	Easting (U.S. Survey ft.)	Elevation (U.S. Survey ft.)
03_1	2083058.69	445522.44	12.38
03_2	2079949.35	445006.52	13.41
03_3	2088725.43	448972.34	18.91
03_4	2087859.90	451868.68	24.05
03_5	2111199.58	452205.85	19.10
03_6	2097864.34	455189.22	15.46
03_7M	2095267.69	457592.40	23.69
03_8M	2090097.51	460550.61	27.19
03_9M	2062449.16	465125.73	21.96
03_10	2032573.48	468520.67	4.85
03_11M	2094008.31	468389.65	27.03
03_12	2023875.65	471876.14	5.10
03_13	2052133.52	472938.67	7.39
03_14M	2035378.05	474912.43	3.50
03_15	2106154.69	476807.68	6.89
03_16	1995926.02	481034.51	9.13
03_17M	2063146.85	481219.73	28.13
03_18	2008753.80	480970.79	4.06
03_19	1989813.63	485246.85	10.50
03_20	1972085.83	485636.09	2.22
03_21	1939117.45	486708.80	18.85
03_22	1971835.98	488595.11	2.66
03_23M	2069089.03	489149.09	22.41
03_24	1922809.20	489743.73	41.37
03_25	1926297.28	489604.39	28.80
03_26M	1984147.99	497629.51	14.66
03_27M	2056991.54	497591.34	28.43
03_28M	1948736.05	501882.34	12.11
03_29M	1994787.29	501872.99	18.37
03_30M	2027479.08	510364.98	28.05
03_31	2098360.87	511116.70	35.01
03_32M	2077681.37	509569.46	27.81
03_33	1924090.97	510483.64	10.61
03_34M	1984303.12	510396.67	29.39
03_35	1923712.04	514240.09	14.15
03_36	1921939.98	514681.51	14.25

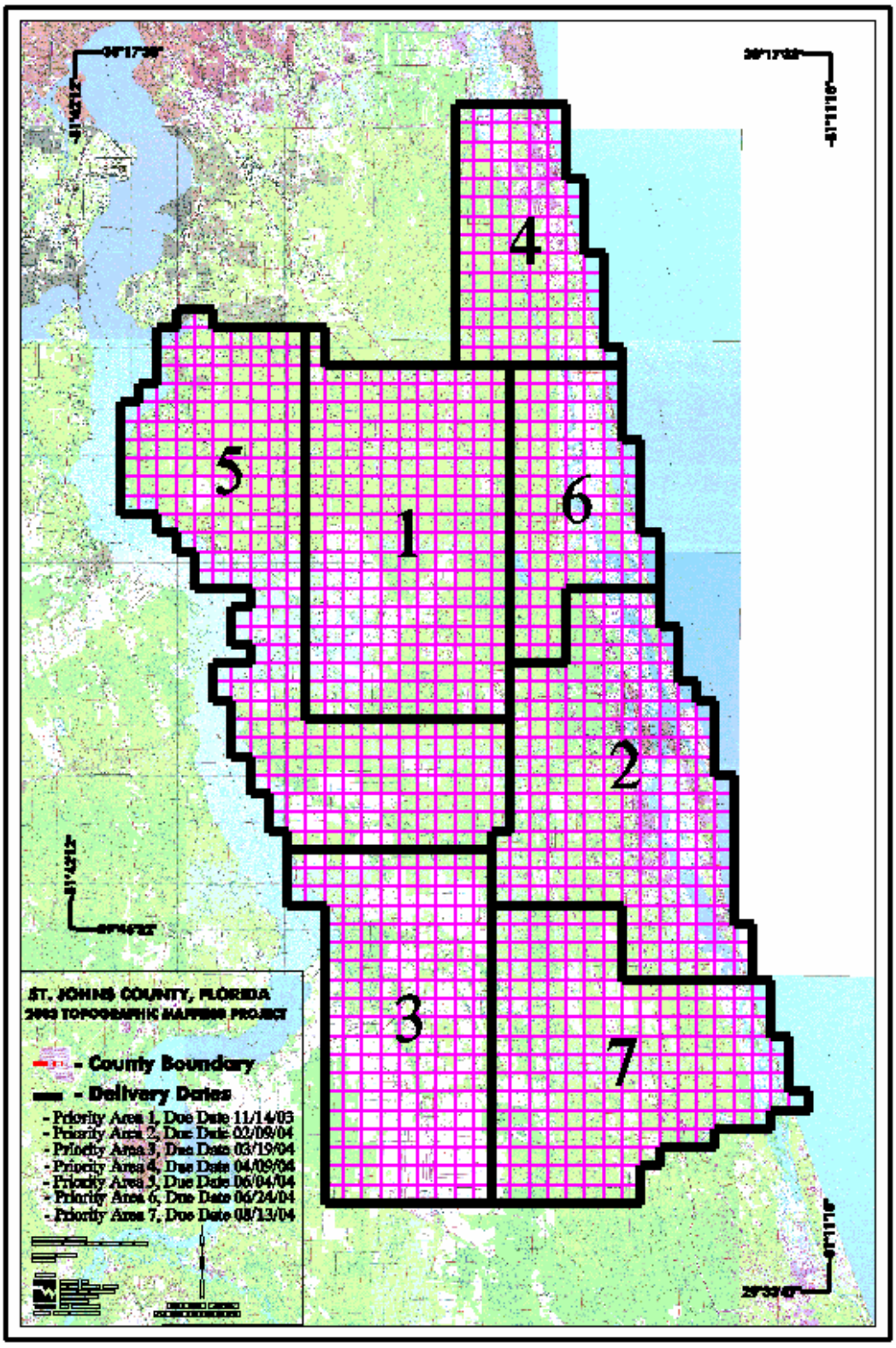
Point Number (All Points Targeted)	Northing (U.S. Survey ft.)	Easting (U.S. Survey ft.)	Elevation (U.S. Survey ft.)
03_37	2152684.18	514748.63	25.78
03_38	2154678.11	518151.99	11.06
03_39	2140687.60	518333.82	21.22
03_40M	2016846.08	515466.71	31.51
03_41M	2056502.85	519044.84	29.75
03_42	2128616.28	524673.77	12.71
03_43M	2147444.43	525564.18	4.20
03_44	1925371.00	527147.66	25.24
03_45M	2119005.31	531090.00	3.79
03_46M	2040839.85	531329.79	33.78
03_47M	2152123.41	531698.72	13.82
03_48	2155182.58	531700.73	17.26
03_49M	1949404.09	531555.92	32.85
03_50M	2079373.60	533947.45	5.36
03_51M	2128989.11	535207.02	6.34
03_52M	2098331.60	535420.81	4.42
03_53M	2127998.75	518565.82	19.02
03_54M	1933485.86	535608.31	31.79
03_55M	2107454.92	539366.50	2.14
03_56M	2110594.71	519959.80	22.65
03_57M	2019076.31	543936.26	35.21
03_58M	2006939.85	543470.02	36.01
03_59	2112105.23	544735.94	9.44
03_60M	2042840.74	547613.07	7.97
03_61M	1992711.78	547694.04	29.43
03_62	1923862.58	548677.27	33.30
03_63	2092583.79	548972.15	7.94
03_64	1934909.01	551766.97	24.79
03_65	2075061.92	552345.12	13.65
03_66A	1925099.94	551026.74	31.81
03_66B	1929143.94	552732.35	27.85
03_67	2020357.76	552226.68	10.33
03_68M	2029766.59	555841.25	4.22
03_69M	1971453.52	555954.25	26.85
03_70M	2043476.45	557383.46	4.46
03_71	2043705.43	559417.94	20.53
03_72	1935508.69	560151.55	23.48
03_73	2020736.40	560126.34	4.87
03_74M	1996002.24	560459.97	11.10
03_75	1935932.76	564539.60	19.86
03_76M	2016628.09	565553.06	9.09
03_77	2025087.91	566356.30	5.66
03_78	2007458.32	568078.56	7.75
03_79M	1953924.05	568060.55	25.73
03_80	2013897.19	569835.62	2.58

Point Number (All Points Targeted)	Northing (U.S. Survey ft.)	Easting (U.S. Survey ft.)	Elevation (U.S. Survey ft.)
03_81	2016656.77	569709.79	4.43
03_82M	1994045.92	570691.37	12.92
03_83	1983023.44	571241.45	5.48
03_84M	2001083.00	571281.17	10.43
03_85M	1941553.23	572864.63	23.02
03_86	1983594.71	573436.78	6.85
03_87	1941700.48	576703.68	12.73
03_88	1940100.06	576230.82	11.27
03_89	1940949.38	585664.59	5.54
03_90	1965701.99	578956.98	4.62
03_91M	1963248.06	535171.96	38.41
03_92M	2000429.99	514281.86	30.16
03_93M	2052342.68	531474.13	32.34
03_94M	2068623.37	513027.27	30.63
03_95M	2086225.79	530896.43	16.74
03_96M	2073674.29	461534.72	29.59
03_97M	1959113.05	493693.61	6.85
6A1R	2055445.84	546068.41	2.77
6AR	2064263.50	542116.00	2.42
702	1925823.63	496051.24	24.55
704	1988099.80	482184.98	8.64
705	2014837.79	473586.06	6.51
706	2029791.83	468025.11	5.30
707	2042912.36	471997.23	4.64
708	2056628.00	462783.50	4.16
709	2073735.01	446734.46	14.28
712R	2101549.17	453018.79	10.06
713	2110538.23	456210.36	13.73
714	2106808.50	465249.17	6.45
715	2106450.38	485809.88	30.14
716R	2105420.08	528791.59	15.70
717	2119695.41	516814.72	21.27
718	2154358.84	526571.97	9.44
719	2154802.31	535325.81	11.14
726	2046249.96	505032.32	27.33
727	2109958.80	464771.49	10.26
728	2056700.98	538365.38	24.11
731	2055771.90	556517.52	15.89
732	1987785.62	535240.03	42.94
A014	2131446.25	540118.76	8.84
A019	2118002.11	543515.27	11.15
A032	2064087.81	554750.29	16.02
A035A	2050600.22	557688.47	16.80
B057R	2019903.88	528219.47	40.03
B071	2069735.63	502466.01	33.76

Point Number (All Points Targeted)	Northing (U.S. Survey ft.)	Easting (U.S. Survey ft.)	Elevation (U.S. Survey ft.)
B114	2029652.70	527122.97	38.21
CM01	2041842.78	517356.79	31.25
CM02	1950794.06	552402.74	37.96
D322	2008137.97	571956.11	10.09
DURBIN 2	2092535.75	509677.02	56.95
G002	1942423.94	586977.38	5.34
G004	1955756.65	582960.71	7.25
G006	1976416.85	575534.94	5.48
G010	2082997.28	550860.65	10.93
G012	2101369.11	547130.34	18.52
G016	2150564.88	536021.97	13.57
G017	1937400.61	569396.43	13.23
G019	1955673.59	560302.10	27.07
G022	1971615.61	567468.97	16.71
G024	1985123.17	554915.69	28.22
G025	2003065.89	553830.28	26.23
G027	2029666.49	543103.70	34.28
G029	2035195.06	551684.30	7.41
G031	2066065.23	530942.56	40.42
G033	2078454.91	521372.02	34.28
G037	2098267.95	519036.44	42.74
G042	2136827.79	527043.91	5.32
G044A	2152784.58	518184.72	15.41
G050	2055870.50	511532.78	33.23
G052	2088138.87	503290.26	2-D
G055A	1923807.00	538762.04	38.03
G057	1943220.23	519471.81	26.82
G059	1960540.67	520639.13	42.64
G061	1971065.42	521128.32	33.25
G063	1983935.56	521038.53	32.49
G065	2006789.40	504657.48	22.91
G067	2018873.71	499438.22	18.53
G069	2034333.93	499147.69	17.10
G071	2050530.59	488493.60	11.47
G073	2060238.64	484164.33	27.87
G075	2081428.94	485929.94	27.11
G077	2097728.16	485898.57	17.58
G086	1971620.59	505218.94	2-D
G089	2005127.12	488457.29	14.26
G091	2034631.88	488711.60	12.77
G093	2065740.56	470794.44	28.93
G101	1934344.63	496334.71	20.13
G106	1987047.95	486341.17	4.95
G107	2017994.32	478694.11	10.04
G110	2030445.72	475422.05	10.01

Point Number (All Points Targeted)	Northing (U.S. Survey ft.)	Easting (U.S. Survey ft.)	Elevation (U.S. Survey ft.)
G111	2044322.38	476542.67	11.13
G113	2066937.27	455788.93	13.11
G116	2085217.66	448206.76	13.31
G119	2105327.48	456583.34	7.39
L1R	2078038.97	480482.52	20.73
L3	2092180.66	479701.63	19.96
L6	2092269.93	484480.38	15.75
L8R	2082187.58	490073.56	29.93
L9	2089424.73	489935.05	20.40
L10	2096254.54	490313.73	16.77
L12	2091899.14	495074.19	20.82
L14	2080256.94	495626.22	32.11
P405	2088052.90	513839.92	51.40
PALM	2135598.72	535911.33	11.29
PELL	1935149.22	555080.17	32.98
Q323	2143173.65	537715.98	10.47
TID1	2003949.60	479142.39	9.00
VILA	2029743.03	563634.00	8.45

APPENDIX C
GROUND SURVEY QC PROFILES




488056
133
Area 1: Profile 1
Low/Medium Grass
73/101


Area 1: Profile 2
135 Cultivated Field
162
496048


500048
83
57
Area 1: Profile 3
Dirt Road


Area 1: Profile 4
Centerline/Hardsurface Road
29
6
50852
30
56
Area 1: Profile 5
Tall Weeds


520032
246
Area 6: Profile 6
Commercial/Urban
226
524028
520028
205
225
Area 6: Profile 7
Commercial/Urban


572976
Area 2, Profile 1
Edge Of Pavement


Area 2, Profile 2
Field, Low Scrub
556968


Area 2, Profile 3
Dirt Road Under Trees
564012


Area 2, Profile 4
Cut Grass Off Roadway
544040


Area 2, Profile 5
Dirt Road
528016


544008
Area 2, Profile 6
Powerline, Low/Med Brush


Area 2, Profile 7
Cut Grass/Golf Course
532984

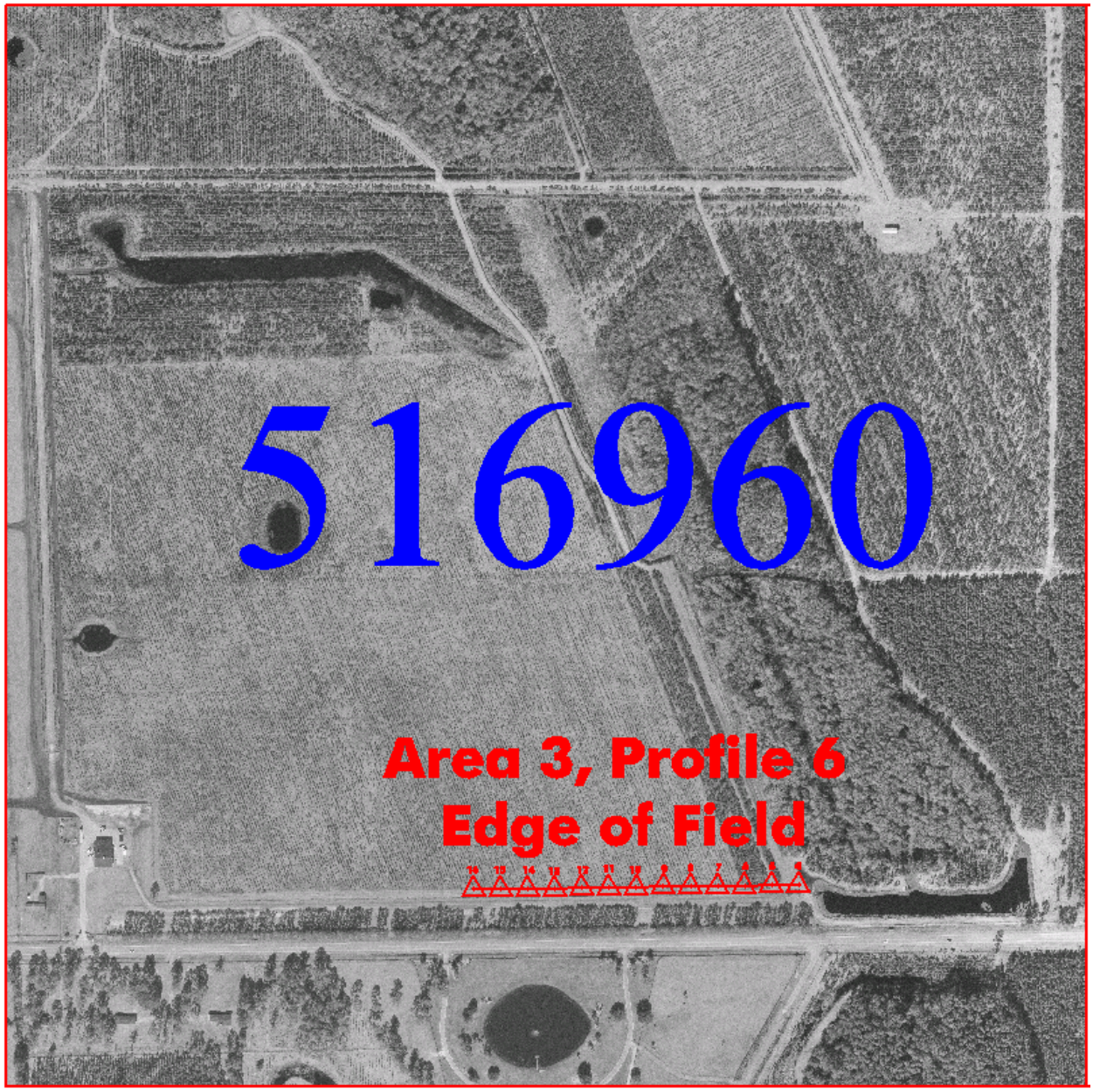

Area 3, Profile 1
Dirt Road
520920

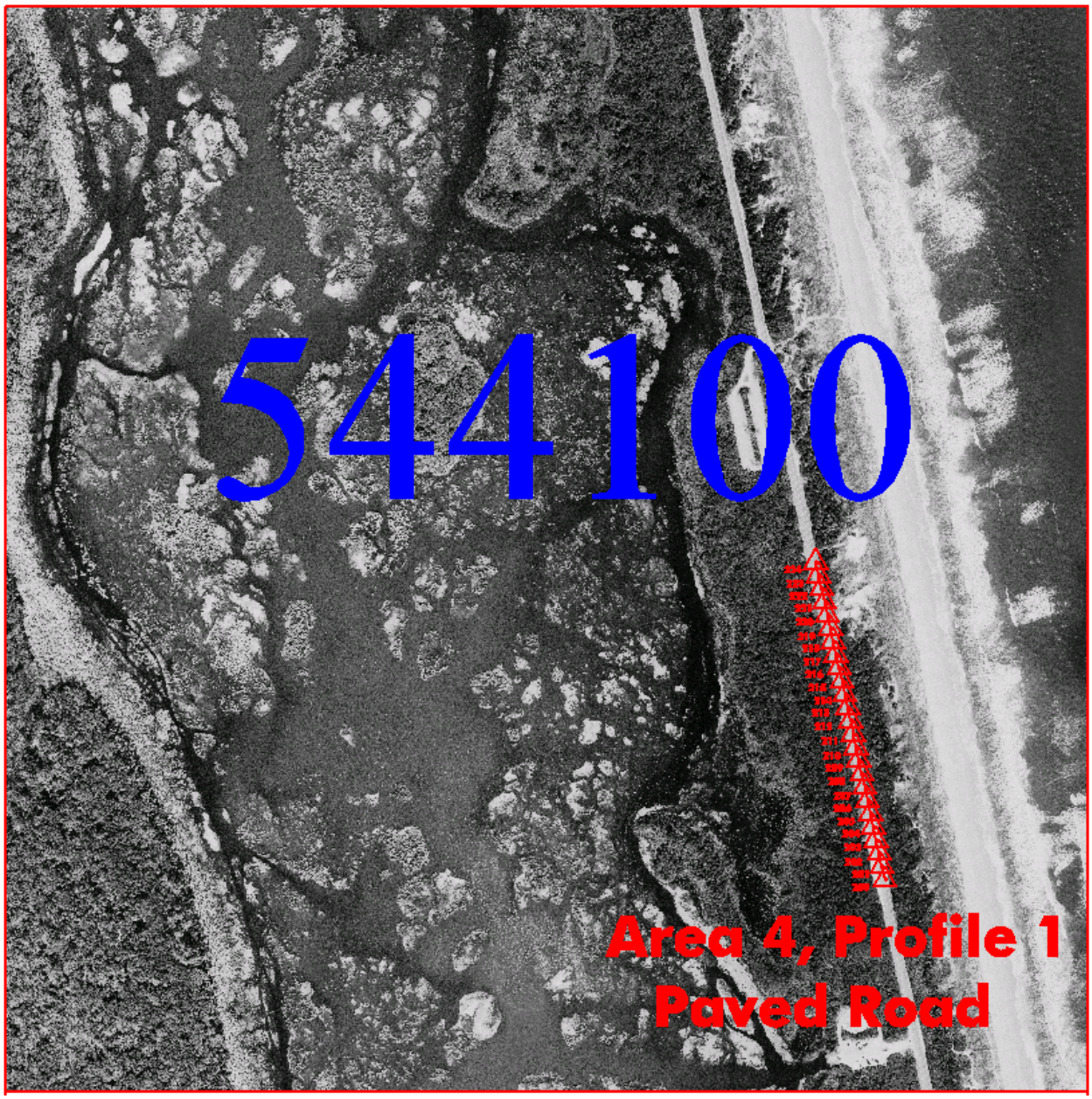

Area 3, Profile 2
Farm Field
492924
496924


Area 3, Profile 3
Paved Road
492956

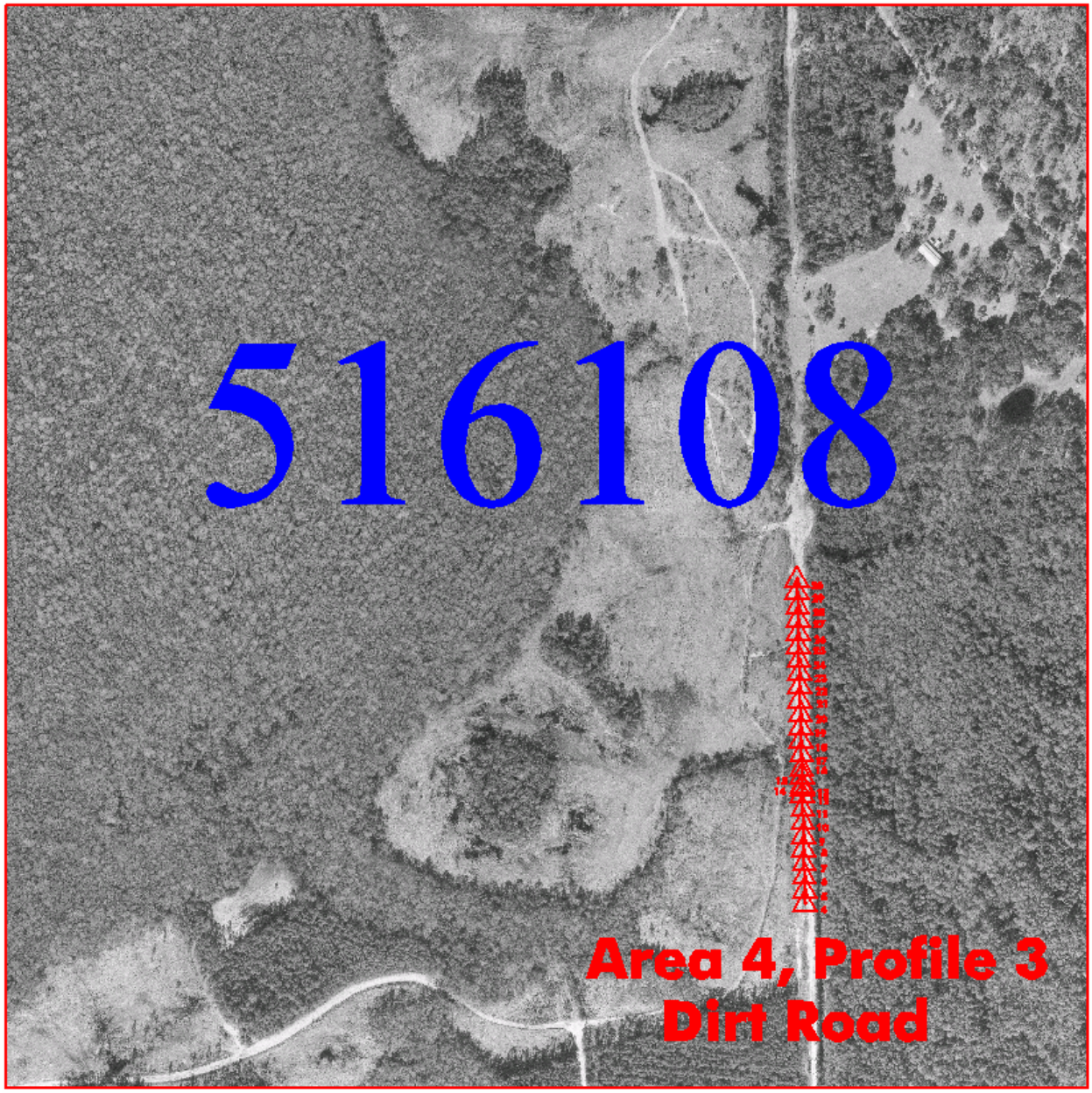

484988
Area 3, Profile 4
Farm Field


Area 3, Profile 5
Dense Trees
520980


516960
Area 3, Profile 6
Edge of Field


544100
Area 4, Profile 1
Paved Road


Area 4, Profile 2
Sparse Trees
528104

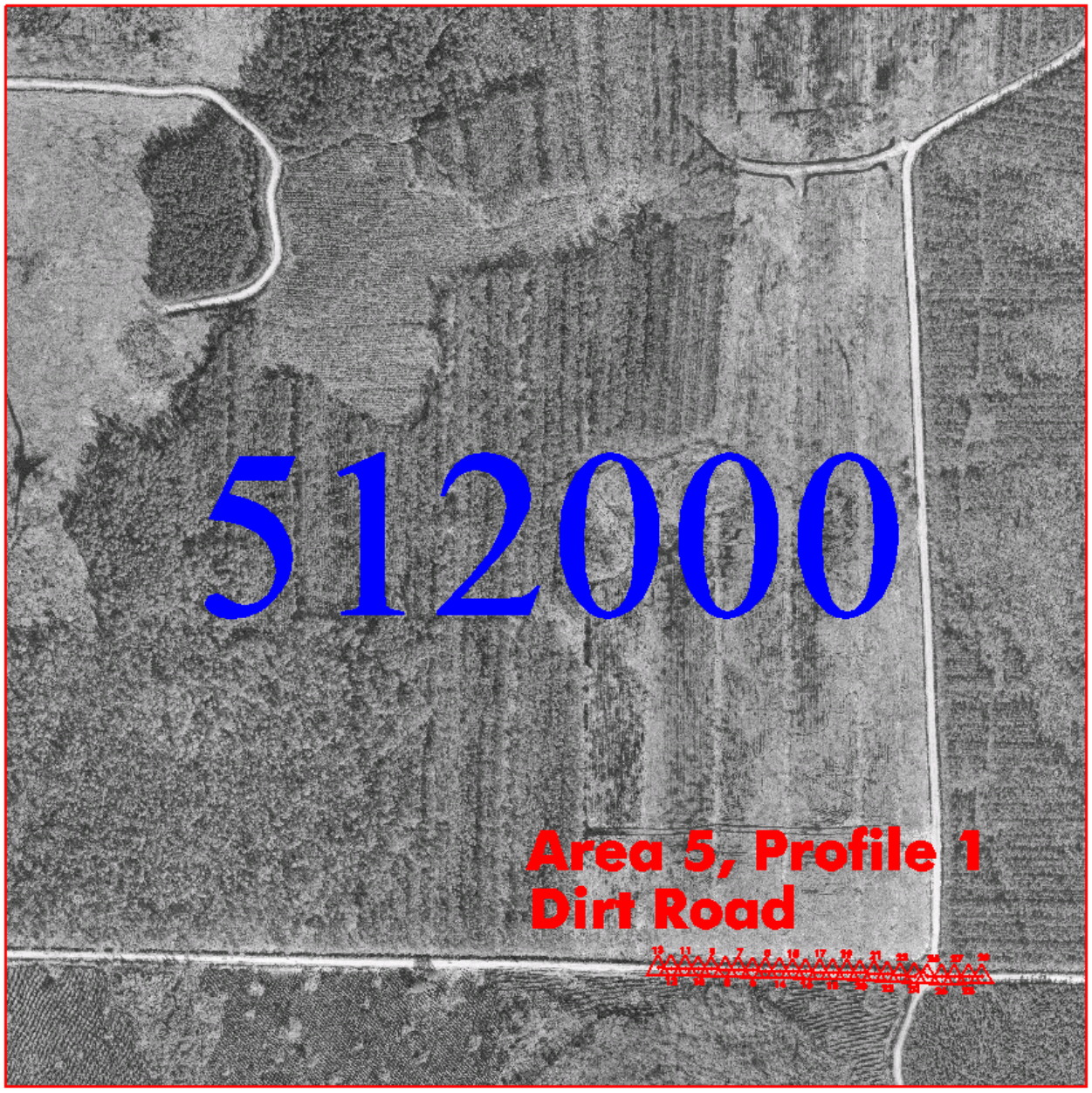

516108
Area 4, Profile 3
Dirt Road


Area 4, Profile 4
Low Scrub
524128

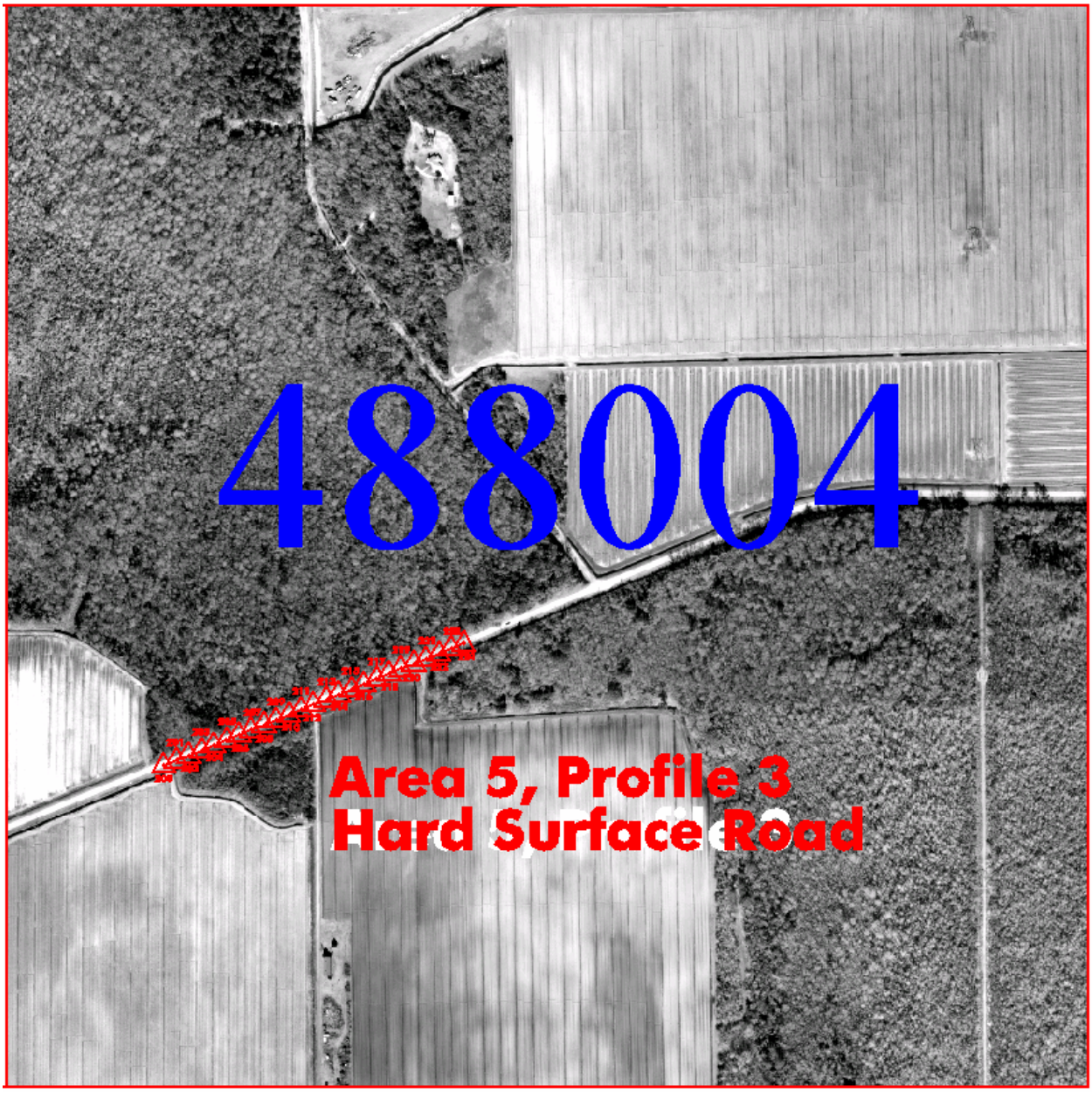

Area 4, Profile 5
Low Grass
532148


Area 4, Profile 6
Paved Road
540128

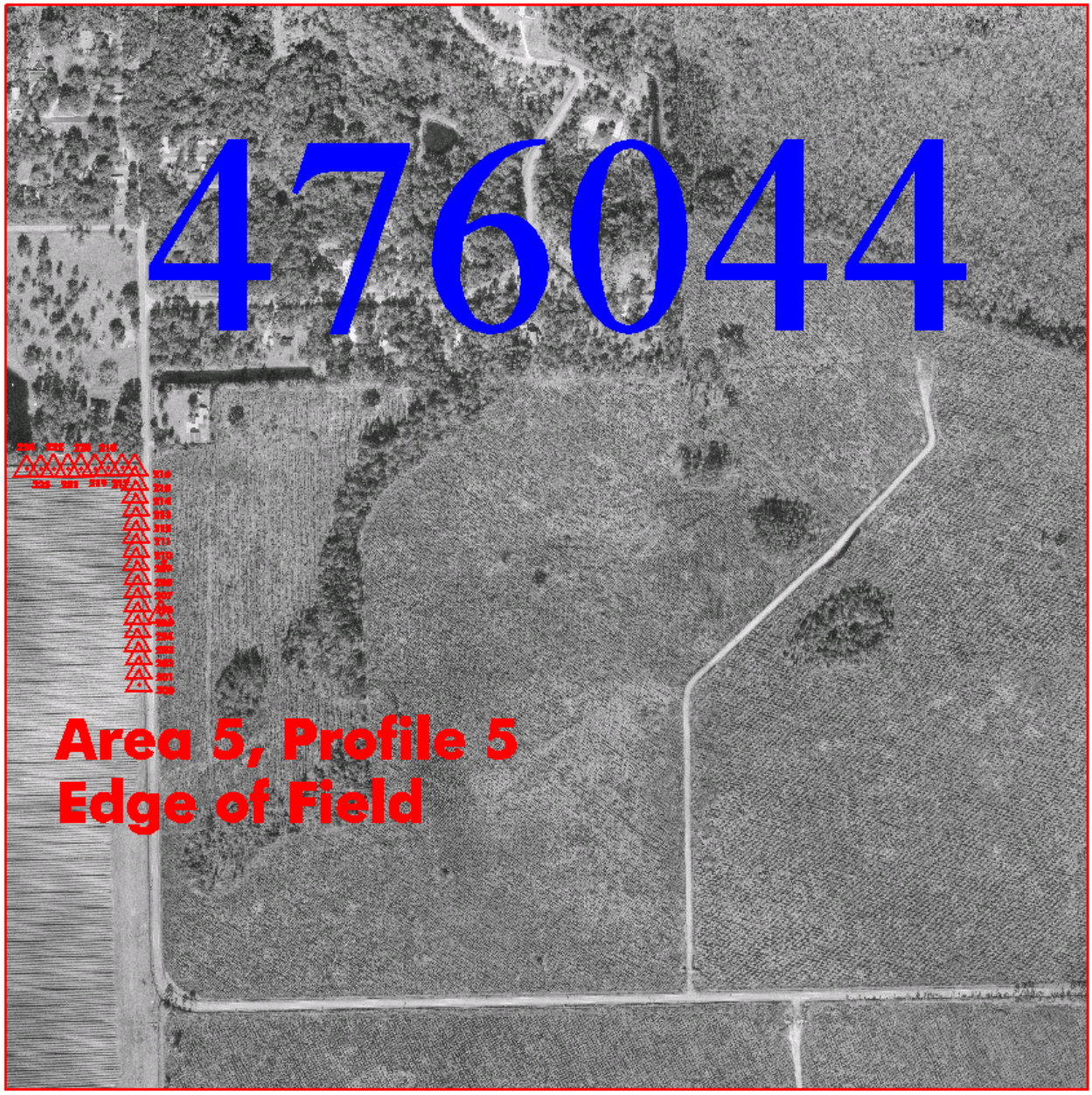

516152
Area 4, Profile 7
Cut Grass


512000
Area 5, Profile 1
Dirt Road


512016
Area 5, Profile 2
Field/Low Scrub


488004
Area 5, Profile 3
Hard Surface Road


Area 5, Profile 4
Dense Trees
472028
476028


476044
Area 5, Profile 5
Edge of Field

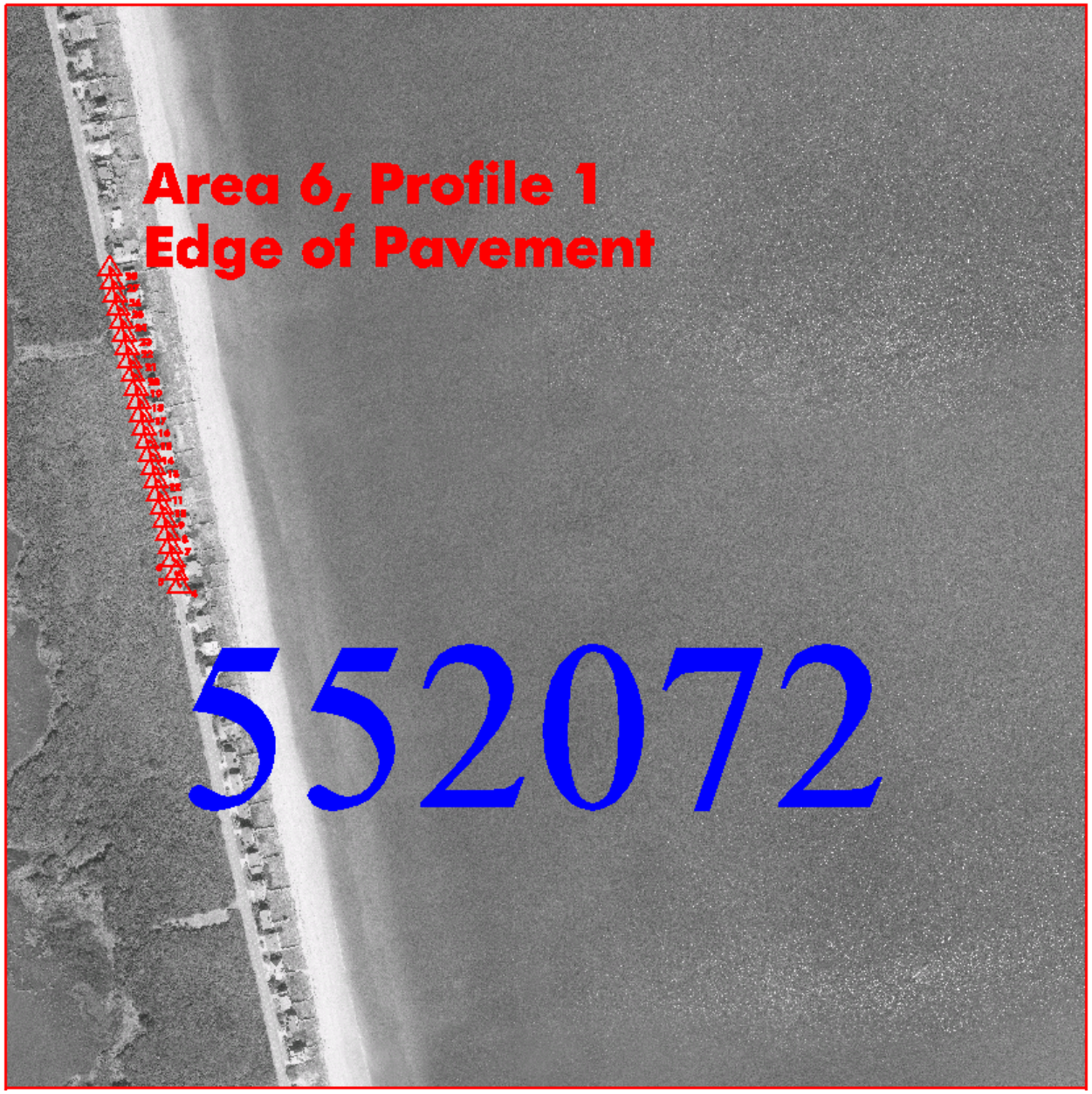

480076
Area 5, Profile 6
Cut Grass


460076
Area 5, Profile 7 Line
Dense Scrub


448084
Area 5, Profile 8
Hard Surface Road

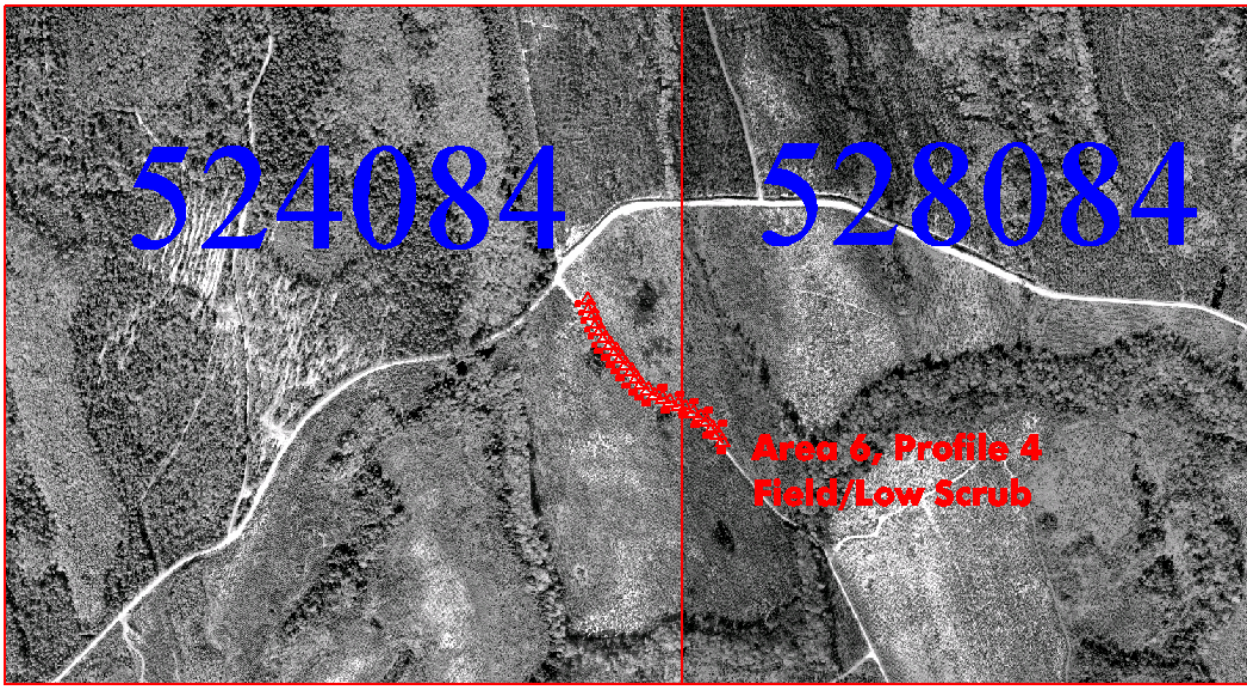

476092
Area 5, Profile 9
Dirt Road

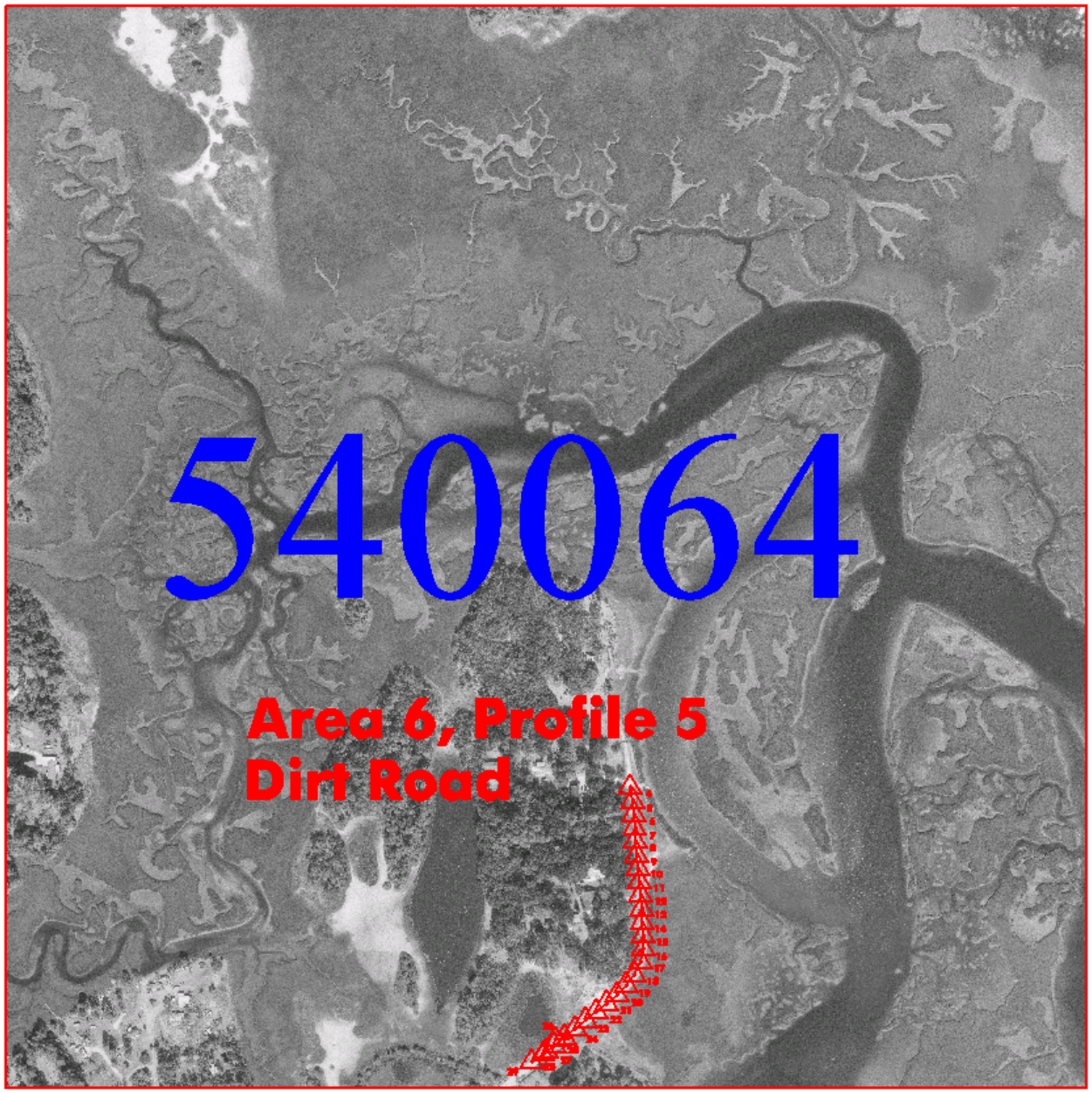

456104
Area 5, Profile 10
Hard Surface Road


Area 6, Profile 1
Edge of Pavement
552072


Area 6, Profile 2
Edge of Pavement
556052

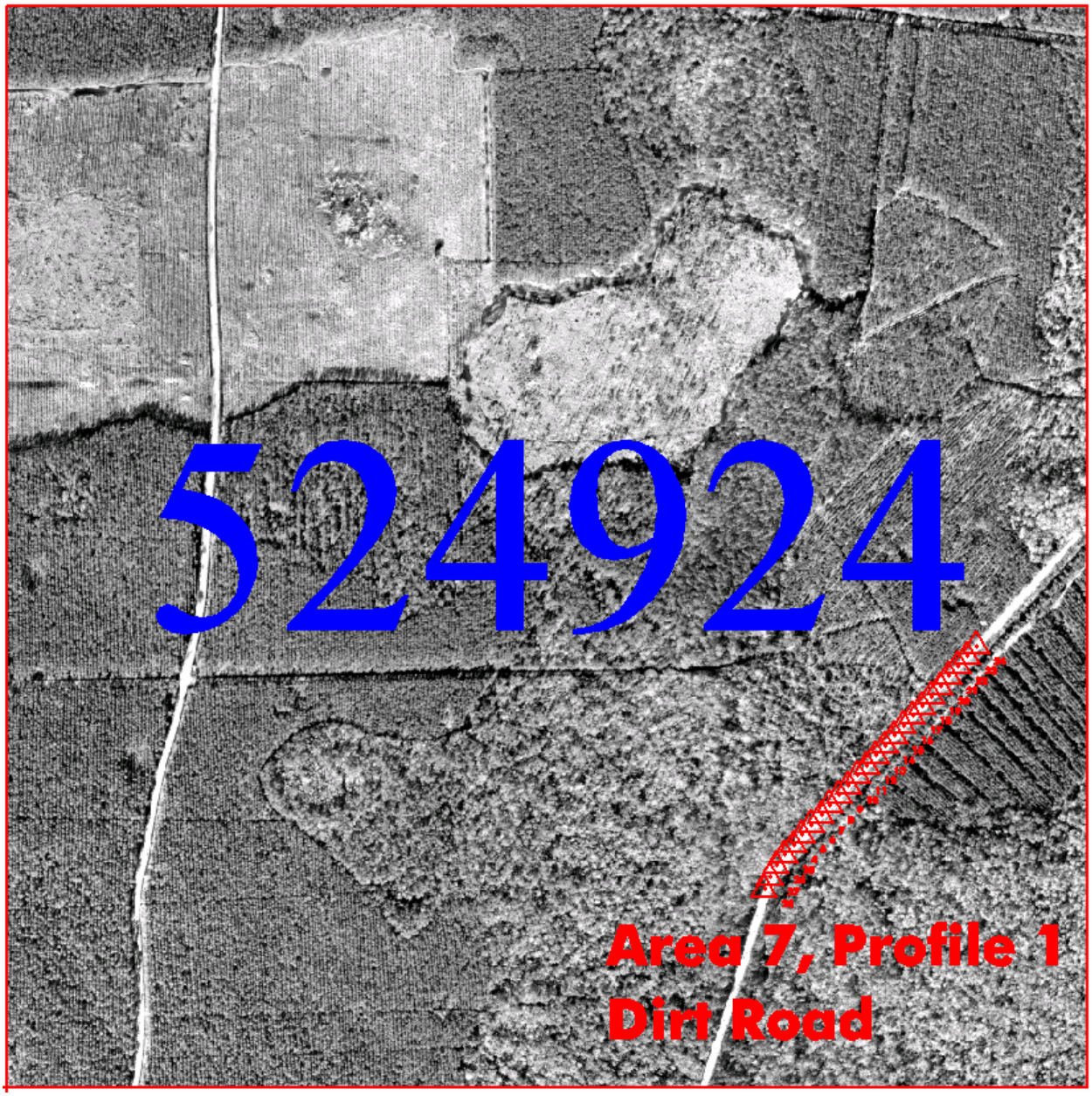

544100
Area 6, Profile 3
Edge of Pavement


524084
528084
Area 6, Profile 4
Field/Low Scrub

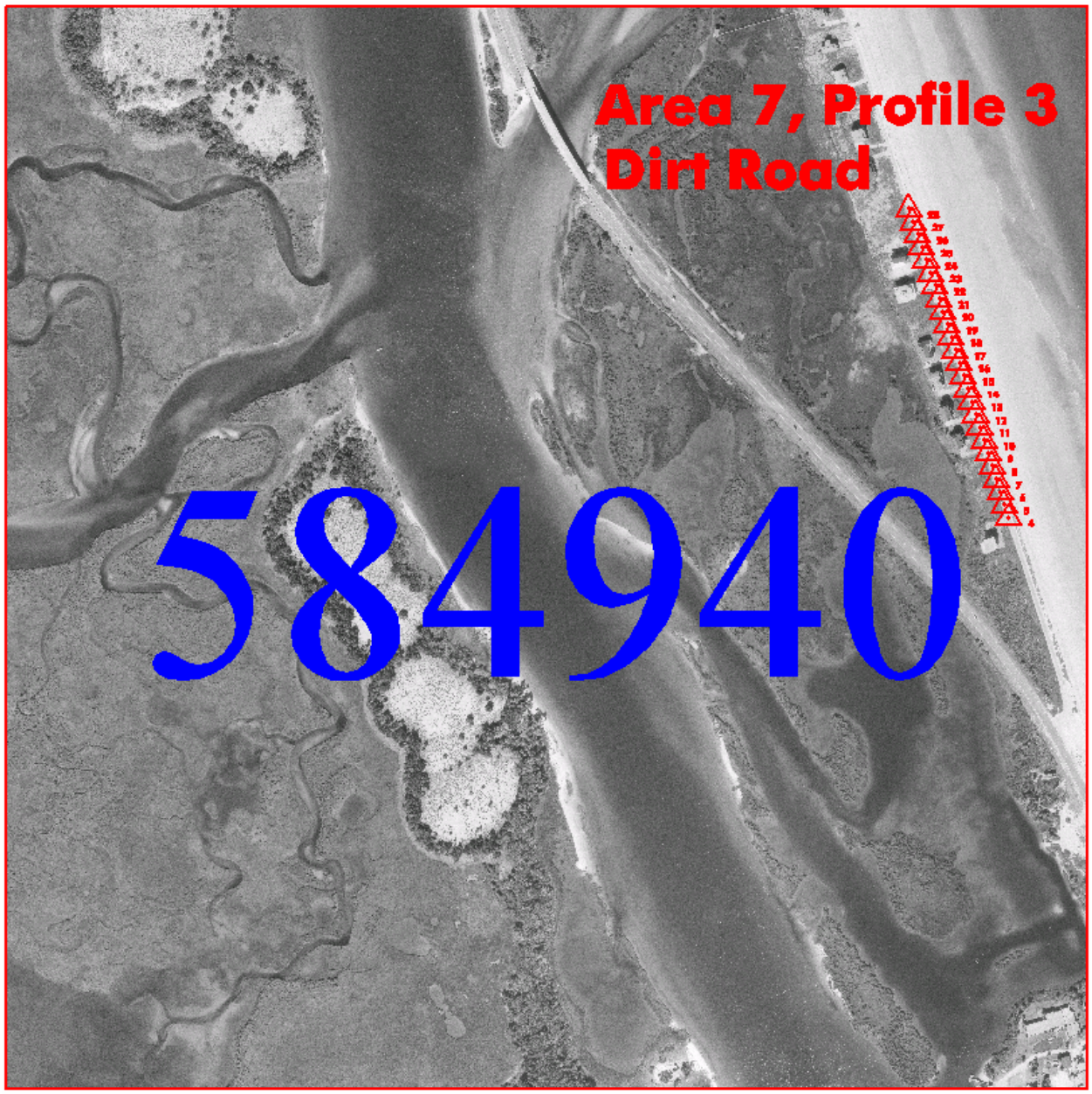

540064
Area 6, Profile 5
Dirt Road

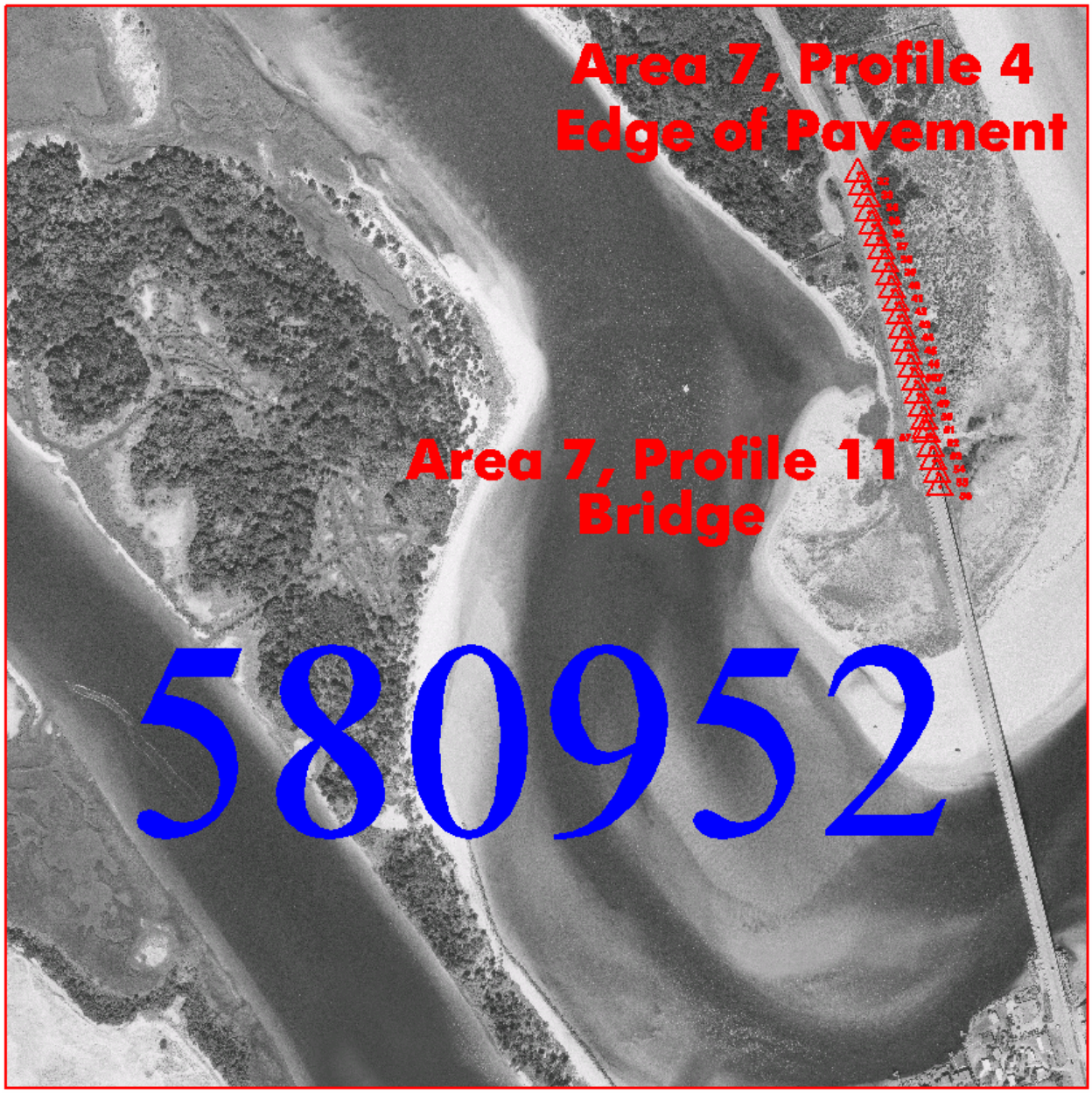

528064
Area 6, Profile 6
Jeep Trail


532040
Area 6, Profile 7
Dirt Road


524924
Area 7, Profile 1
Dirt Road


Area 7, Profile 2
Paved Road
552932

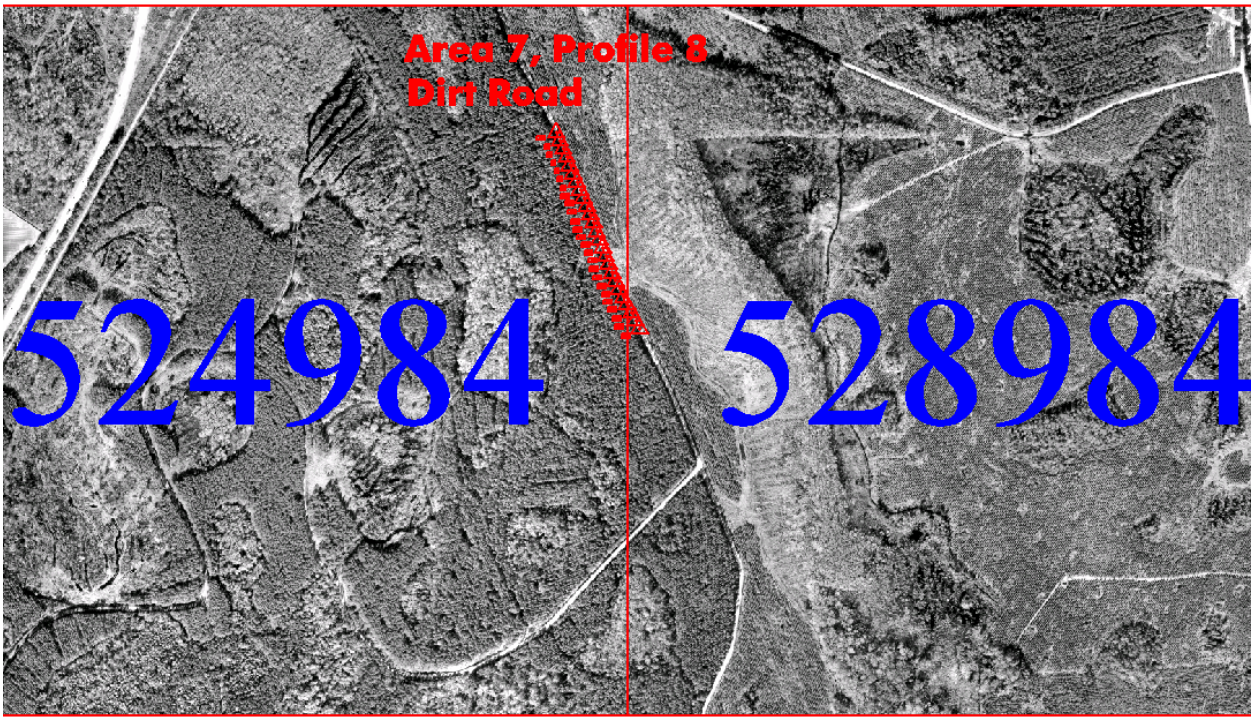

Area 7, Profile 3
Dirt Road
584940

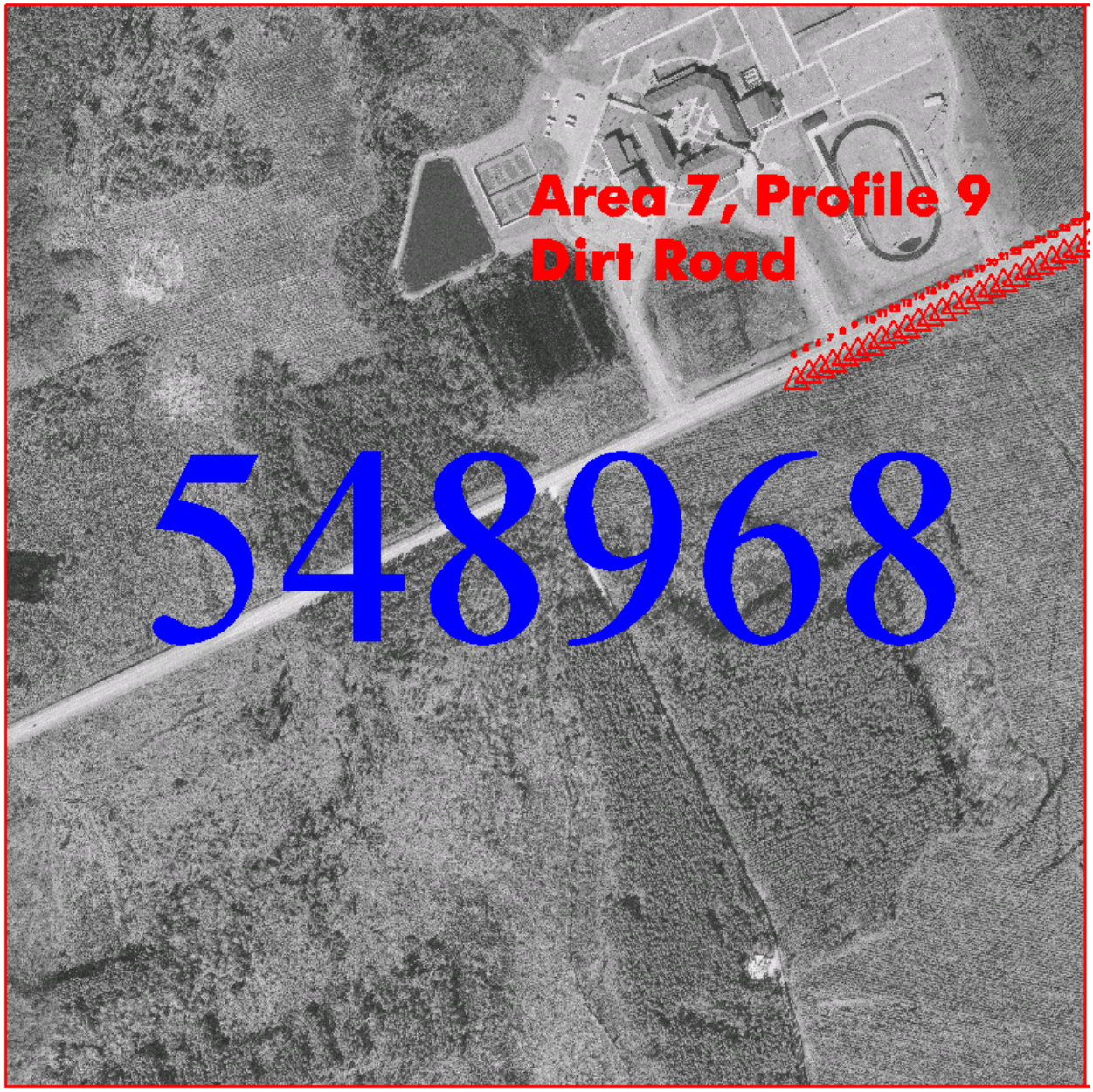

Area 7, Profile 4
Edge of Pavement
Area 7, Profile 11
Bridge
580952

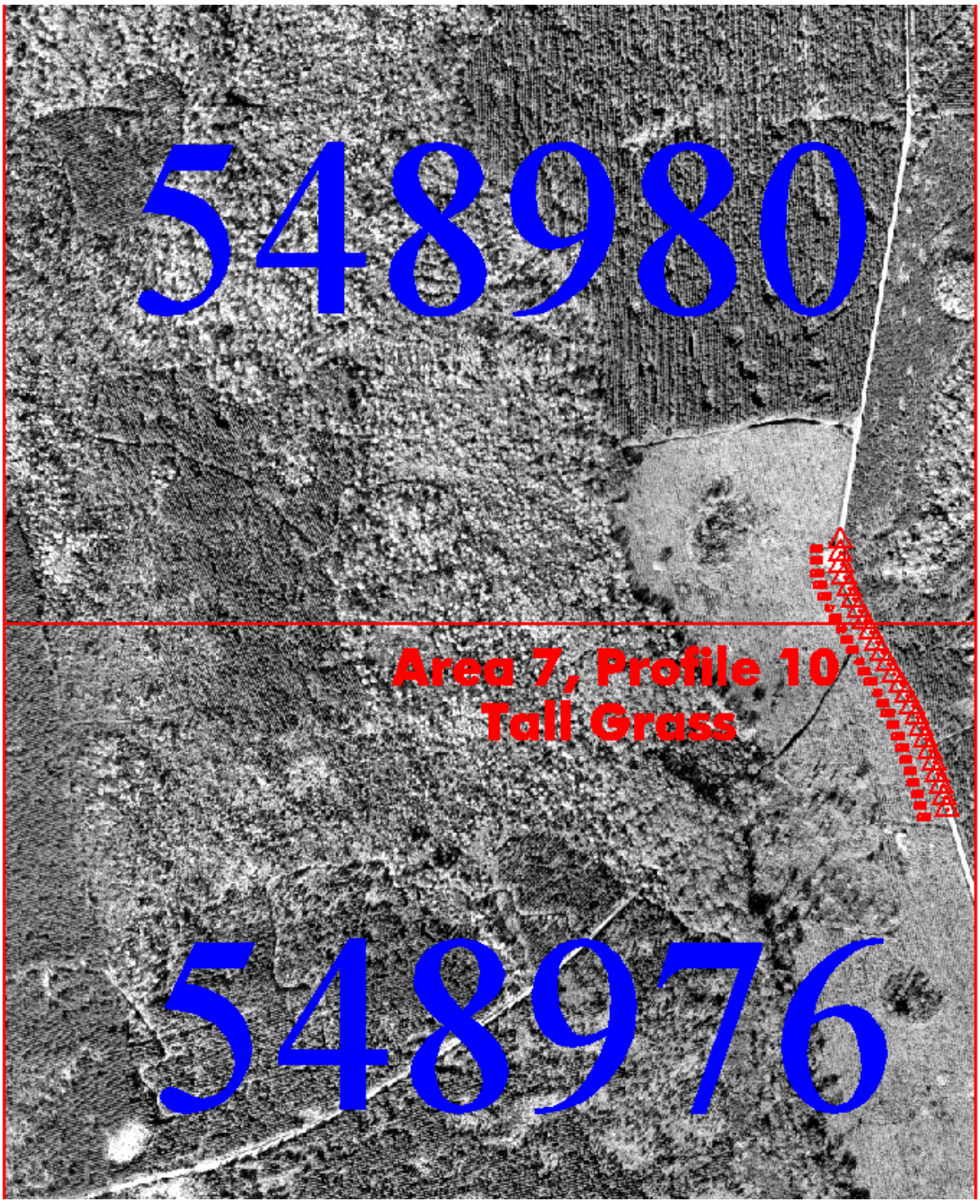

560952
Area 7, Profile 5
Dirt Road


Area 7, Profile 6
Dirt Road
532948


524960
Area 7, Profile 7
Dirt Road


Area 7, Profile 8
Dirt Road
524984
528984


Area 7, Profile 9
Dirt Road
548968


548980
Area 7, Profile 10
Tall Grass
548976

APPENDIX D
IMAGE (RASTER) MAP ACCURACY ANALYSIS IN ST. JOHNS COUNTY

Overall Statistics, All Points

RMSE X	0.33 ft	Ave Error	0.40 ft
RMSE Y	0.44 ft	Min Error	0.00 ft
RMSE XY	0.55 ft	Max Error	2.48 ft
Count	79	NMAS	0.94 ft

Delivery Area	Tile	Point	Survey X	Survey Y	Image X	Image Y	Delta X	Delta Y	XY Error	Induvidual Area Statistics	
2*	564012	2-10	565520.97	2015598.61	565520.18	2015598.48	0.79	-0.13	0.80	RMSE X	0.26 ft
	532984	2-100	535172.17	1986875.06	535172.18	1986875.43	-0.01	0.37	0.37	RMSE Y	0.57 ft
	532984	2-101	535349.6	1986412.62	535349.39	1986413.02	0.21	0.40	0.45	RMSE XY	0.63 ft
	532984	2-102	535224.67	1987942.46	535224.67	1987942.46	0.00	0.00	0.00	Ave Error	0.39 ft
	532984	2-103	535608.47	1987735.89	535608.2	1987735.92	0.27	0.03	0.27	Min Error	0.00 ft
	544008	2-29	544271.56	2008115.98	544271.56	2008115.98	0.00	0.00	0.00	Max Error	2.48 ft
	544008	2-30	544824.3	2008591.42	544824.26	2008591.12	0.04	-0.30	0.30	Count	23
	572976	2-30	575156.08	1976506.98	575155.98	1976506.91	0.10	-0.07	0.12		
	544008	2-31	544977.45	2008969.27	544977.38	2008969.59	0.07	0.32	0.33	NMAS	1.02 ft
	544040	2-31	547755.71	2042856.58	547755.71	2042856.58	0.00	0.00	0.00		
	572976	2-31	575310.07	1977150.29	575310.41	1977150.74	-0.34	0.45	0.56		
	544008	2-32	545699.99	2009475.84	545699.42	2009475.98	0.57	0.14	0.59		
	544040	2-32	547446.73	2043511.28	547446.65	2043511.58	0.08	0.30	0.31		
	572976	2-32	574842.3	1978315.78	574842.38	1978315.85	-0.08	0.07	0.11		
	544040	2-33	547044.79	2009249.18	547044.69	2009249.37	0.10	0.19	0.21		
	544048	2-33	547233.32	2043848.52	547232.99	2043848.75	0.33	0.23	0.40		
	572976	2-33	574740.58	1977926.56	574740.84	1977926.95	-0.26	0.39	0.47		
	544040	2-35	546655.46	2043259.64	546655.46	2043259.64	0.00	0.00	0.00		
	556968	2-62	556879.29	1971298.32	556879.18	1971298.48	0.11	0.16	0.19		
	556968	2-63	556950.88	1971449.89	556950.65	1971449.87	0.23	-0.02	0.23		
	556968	2-64	557165.4	1970496.03	557165.33	1970496.19	0.07	0.16	0.17		
	564012	2-7	566483.36	2014634.16	566483.53	2014633.64	-0.17	-0.52	0.55		
	564012	2-8	566330.77	2013940.37	566331.04	2013942.84	-0.27	2.47	2.48		
3	516960	3-17	519026.17	1960503.51	519025.83	1960504.2	0.34	0.69	0.77	RMSE X	0.24 ft
	516960	3-18	518268.56	1960498.06	518269.2	1960497.67	-0.64	-0.39	0.75	RMSE Y	0.33 ft
	516960	3-19	517646.47	1960490.79	517646.43	1960490.83	0.04	0.04	0.06	RMSE XY	0.41 ft
	516960	3-20	516632.6	1960478.14	516632.63	1960478.43	-0.03	0.29	0.29	Ave Error	0.31 ft
	520980	3-200	521061.44	1981928.55	521061.4	1981928.34	0.04	-0.21	0.21	Min Error	0.00 ft
	520980	3-201	520770.57	1981870.4	520770.54	1981870.16	0.03	-0.24	0.24	Max Error	0.77 ft
	492956	3-29	493744.52	1958338.77	493744.38	1958339.26	0.14	0.49	0.51	Count	10
	492956	3-30	493725.76	1958934.62	493725.76	1958934.62	0.00	0.00	0.00		
	492956	3-32	494150.43	1957476.37	494150.27	1957476.55	0.16	0.18	0.24	NMAS	0.70 ft
	492956	3-33	494143.37	1957803	494143.37	1957803	0.00	0.00	0.00		
4	544100	4-225	546791.61	2102741.6	546790.99	2102742.49	0.62	0.89	1.08	RMSE X	0.42 ft
	544100	4-226	546797.5	2102466.02	546797.5	2102466.02	0.00	0.00	0.00	RMSE Y	0.39 ft
	544100	4-227	546750.65	2102293.64	546750.72	2102294.7	-0.07	1.06	1.06	RMSE XY	0.57 ft
	532148	4-29	535720.03	2150826.72	535720.03	2150826.72	0.00	0.00	0.00	Ave Error	0.37 ft
	532148	4-30	534758.07	2150585.13	534758.07	2150585.13	0.00	0.00	0.00	Min Error	0.00 ft
	532148	4-31	534498.53	2149462.23	534498.61	2149463.08	-0.08	0.85	0.85	Max Error	1.08 ft
	532148	4-32	533657.91	2150447.04	533658.43	2150446.79	-0.52	-0.25	0.58	Count	18
	532148	4-33	533260.49	2151039.91	533261.5	2151039.67	-1.01	-0.24	1.04		
	532148	4-34	532934.64	2150709.32	532934.64	2150709.32	0.00	0.00	0.00	NMAS	0.87 ft
	532148	4-35	533464.36	2149829.18	533465.02	2149829.26	-0.66	0.08	0.66		
	532148	4-36	532931.01	2149845.66	532931.63	2149845.48	-0.62	-0.18	0.65		
	532148	4-37	533624.13	2149155.08	533624.92	2149155.09	-0.79	0.01	0.79		
	532148	4-38	532884.82	2149086.38	532884.82	2149086.38	0.00	0.00	0.00		
	540128	4-65	540422.87	2130330.79	540422.87	2130330.79	0.00	0.00	0.00		
	540128	4-68	540608.87	2130648.84	540608.87	2130648.84	0.00	0.00	0.00		
	540128	4-69	540526.71	2130989.75	540526.71	2130989.75	0.00	0.00	0.00		
	540128	4-70	540332.37	2131438.73	540332.37	2131438.73	0.00	0.00	0.00		
	540128	4-73	540556.33	2131589.52	540556.33	2131589.52	0.00	0.00	0.00		

5	456104	5-28	458369.12	2105979.98	458369.24	2105979.77	-0.12	-0.21	0.24	RMSE X	0.38	ft
	456104	5-29	458378.13	2104620.16	458378.13	2104620.16	0.00	0.00	0.00	RMSE Y	0.36	ft
	480076	5-29	482954.61	2077399.27	482954.61	2077399.76	0.00	0.49	0.49	RMSE XY	0.52	ft
	456104	5-30	459010.34	2104498.21	459010.65	2104497.73	-0.31	-0.48	0.57	Ave Error	0.47	ft
	480076	5-30	483318.37	2077353.48	483318.07	2077353.4	0.30	-0.08	0.31	Min Error	0.00	ft
	480076	5-31	482016.5	2077700.62	482016.58	2077700.29	-0.08	-0.33	0.34	Max Error	0.78	ft
	480076	5-32	480953.79	2077063.68	480953.71	2077063.82	0.08	0.14	0.16	Count	15	
	448084	5-33	450143.89	2084623.96	450144.51	2084623.98	-0.62	0.02	0.62			
	480076	5-33	480999.13	2076302.71	480999.73	2076302.9	-0.60	0.19	0.63	NMAS	0.79	ft
	448084	5-34	450549.84	2085177.46	450550.41	2085177.99	-0.57	0.53	0.78			
	480076	5-34	481668.26	2076458.17	481668.24	2076458.93	0.02	0.76	0.76			
	448084	5-35	451255.5	2086257.09	451256.02	2086256.78	-0.52	-0.31	0.61			
	460076	5-7	463003.66	2077237.19	463003.78	2077237.56	-0.12	0.37	0.39			
	460076	5-8	463571.92	2077053.28	463572.57	2077053.46	-0.65	0.18	0.67			
	460076	5-9	463154.15	2076577.26	463154.61	2076577.55	-0.46	0.29	0.54			
6	552072	6-29	552659.86	2073910.51	552659.73	2073910.46	0.13	-0.05	0.14	RMSE X	0.31	ft
	552072	6-30	552792.69	2073173.52	552792.95	2073173.49	-0.26	-0.03	0.26	RMSE Y	0.35	ft
	528064	6-31	531870.48	2064847.29	531870.27	2064847.27	0.21	-0.02	0.21	RMSE XY	0.47	ft
	528064	6-32	531586.58	2065239.69	531586.98	2065239.39	-0.40	-0.30	0.50	Ave Error	0.39	ft
	528064	6-33	530972.98	2066093.91	530972.55	2066094.31	0.43	0.40	0.59	Min Error	-0.06	ft
	528064	6-34	530544.19	2066650.06	530544.4	2066650.94	-0.21	0.88	0.90	Max Error	0.90	ft
	556052	6-52	556132.03	2055504.56	556132.59	2055504.39	-0.56	-0.17	0.59	Count	10	
	556052	6-56	556422.75	2055380.08	556422.7	2055380.04	0.05	-0.04	0.06			
	556052	6-58	556473.1	2055013	556472.73	2055013.36	0.37	0.36	0.52	NMAS	0.71	ft
	556052	6-59	556915.47	2053931.03	556915.36	2053931.13	0.11	0.10	0.15			
7	580952	7-58	583540.28	1953802.39	583540	1953802.44	0.28	0.05	0.28	RMSE X	0.32	ft
	580952	7-60	583092.09	1955174.14	583091.99	1955174.75	0.10	0.61	0.62	RMSE Y	0.44	ft
	580952	7-61	583184.64	1955566.62	583184.17	1955567.08	0.47	0.46	0.66	RMSE XY	0.55	ft
										Ave Error	0.52	ft
										Min Error	-0.28	ft
										Max Error	0.66	ft
										Count	3	
										NMAS	0.83	ft

*There are no Ground Survey QC Checkpoints in Area 1

APPENDIX E
DTM ACCURACY ANALYSIS

Overall Statistics, All Profiles

Unobscured		Obscured	
Average	-0.04 ft	Average	0.09 ft
RMSE	0.32 ft	RMSE	1.04 ft
Std Dev	0.32 ft	Std Dev	1.04 ft
Max	0.99 ft	Max	2.15 ft
Min	-1.09 ft	Min	-6.78 ft
Count	1050	Count	307
median	-0.04	median	0.27
skew	0.12	skew	-3.36

Delivery Area Profile 1	Survey Y	Survey X	Survey Z	Label	DTM Z	Unobscured DTMZ-SurveyZ	Unobscured DTMZ-SurveyZ	Induvidual Profile Statistics	
AREA 1									
Profile 1	Field, low/med grass, unobscured								
73	488454.516	2056049.773	21.826	CLR	21.324	**-0.502**		Average	-0.08 ft
101	488454.526	2056049.723	21.873	EP	21.33	**-0.543**		RMSE	0.30 ft
102	488459.939	2056055.938	21.999	CLR	21.424	**-0.575**		Std Dev	0.29 ft
103	488465.909	2056062.857	21.962	EP	21.304	**-0.658**		Max	0.32 ft
104	488468.065	2056065.7	21.751	TOB	21.212	**-0.539**		Min	-0.66 ft
105	488473.019	2056071.951	20.711	COS	20.498	**-0.213**		Count	34
106	488478.009	2056077.783	19.207	BOT	19.43	**0.223**			
107	488483.427	2056085.467	21.337	TOB	20.914	**-0.423**			
108	488487.06	2056087.721	21.26	GS	20.974	**-0.286**		Tile	488056
109	488519.255	2056126.439	21.382	GS	21.506	**0.124**			
110	488551.04	2056165.643	21.763	GS	21.877	**0.114**			
111	488580.771	2056205.032	22.256	GS	22.3	**0.044**			
112	488610.659	2056245.244	22.491	GS	22.59	**0.099**			
113	488640.66	2056285.467	22.765	GS	23.03	**0.265**			
114	488670.865	2056325.283	23.156	GS	23.283	**0.127**			
115	488701.035	2056365.221	23.295	GS	23.425	**0.13**			
116	488732.077	2056404.526	23.687	GS	23.806	**0.119**			
117	488751.103	2056428.906	23.609	TOE	23.928	**0.319**			
118	488758.562	2056436.984	24.579	TOB	23.946	**-0.633**			
119	488762.823	2056443.545	23.249	GS	23.108	**-0.141**			
120	488764.79	2056446.264	22.487	BOT	22.393	**-0.094**			
121	488770.346	2056452.733	24.004	TOB	23.558	**-0.446**			
122	488793.512	2056483.292	24.048	GS	24.234	**0.186**			
123	488824.123	2056522.869	24.153	GS	24.323	**0.17**			
124	488853.614	2056562.989	24.358	GS	24.572	**0.214**			
125	488883.935	2056603.162	24.571	GS	24.727	**0.156**			
126	488913.882	2056643.208	24.765	GS	24.791	**0.026**			
127	488943.889	2056683.386	24.876	GS	24.745	**-0.131**			
128	488974.463	2056722.759	24.881	GS	24.87	**-0.011**			
129	489005.792	2056761.701	25.006	GS	25.032	**0.026**			
130	489037.527	2056799.793	25.149	GS	25.045	**-0.104**			
131	489069.175	2056838.704	25.179	GS	25.238	**0.059**			
132	489100.14	2056877.593	25.286	GS	25.333	**0.047**			
133	489130.937	2056917.221	25.372	GS	25.564	**0.192**			
Profile 2	Cultivated field/low grass, unobscured								
135	496835.257	2050764.279	23.808	GS	23.815	**0.007**		Average	-0.01 ft
136	496794.128	2050735.825	23.767	GS	23.867	**0.1**		RMSE	0.20 ft
137	496753.162	2050706.174	23.64	GS	23.586	**-0.054**		Std Dev	0.20 ft
138	496711.965	2050677.967	23.46	GS	23.528	**0.068**		Max	0.46 ft
139	496670.868	2050649.335	23.509	GS	23.351	**-0.158**		Min	-0.44 ft
140	496629.69	2050620.878	23.324	GS	23.474	**0.15**		Count	28
141	496589.524	2050591.172	23.214	GS	23.167	**-0.047**			
142	496548.22	2050562.627	23.117	GS	23.062	**-0.055**			
143	496507.876	2050533.169	23.176	GS	23.018	**-0.158**		Tile	496048
144	496465.943	2050505.239	23.05	GS	23.23	**0.18**			
145	496426.146	2050475.338	22.882	GS	23.122	**0.24**			
146	496385.276	2050446.202	23.08	GS	23.27	**0.19**			
147	496344.411	2050417.501	23.194	GS	23.258	**0.064**			
148	496314.593	2050399.574	21.458	GS	21.589	**0.131**			
149	496304.439	2050389.021	23.45	GS	23.426	**-0.024**			
150	496303.036	2050388.263	23.542	GS	23.61	**0.068**			
151	496293.688	2050380.898	23.771	CLR	23.489	**-0.282**			
152	496284.117	2050373.908	23.654	EP	23.361	**-0.293**			
153	496270.05	2050363.988	20.922	BOT	21.381	**0.459**			
154	496262.479	2050359.407	22.21	GS	22.323	**0.113**			
155	496222.396	2050329.092	22.754	GS	22.807	**0.053**			
156	496181.679	2050300.372	22.372	GS	22.29	**-0.082**			
157	496140.805	2050271.401	21.41	GS	21.389	**-0.021**			
158	496098.281	2050246.553	18.382	GS	18.653	**0.271**			
159	496061.251	2050224.962	22.457	EOP	22.221	**-0.236**			
160	496054.374	2050220.613	22.739	TA	22.299	**-0.44**			
161	496032.37	2050204.59	22.494	EOP	22.255	**-0.239**			
162	496014.434	2050190.459	21.659	GS	21.4	**-0.259**			

Profile 3		Dirt road, unobscured								
	57	503059.255	2049089.447	27.293	EP	26.577	**-0.716**		Average	-0.49 ft
	58	503052.405	2049096.929	27.608	CLR	27.093	**-0.515**		RMSE	0.57 ft
	59	503052.436	2049096.949	27.58	CLR	27.095	**-0.485**		Std Dev	0.31 ft
	60	503046.028	2049104.34	27.435	EP	27.161	**-0.274**		Max	0.26 ft
	61	503029.869	2049122.613	27.276	EP	26.767	**-0.509**		Min	-1.00 ft
	62	503025.975	2049126.729	27.278	CLR	26.778	**-0.5**		Count	27
	63	502989.651	2049161.189	27.455	CLR	26.834	**-0.621**			
	64	502952.03	2049194.091	26.875	CLR	26.26	**-0.615**			
	65	502912.579	2049224.882	26.558	CLR	26.044	**-0.514**		Tile	500048
	134	502912.491	2049224.902	26.64	GS	26.045	**-0.595**			
	66	502872.236	2049254.46	26.465	CLR	25.985	**-0.48**			
	67	502832.05	2049284.33	26.304	CLR	25.795	**-0.509**			
	68	502792.325	2049314.633	26.283	CLR	25.734	**-0.549**			
	69	502752.499	2049344.843	26.267	CLR	25.694	**-0.573**			
	70	502712.231	2049374.484	26.081	CLR	25.593	**-0.488**			
	71	502712.229	2049374.495	26.086	CLR	25.588	**-0.498**			
	72	502671.615	2049403.541	26.106	CLR	25.484	**-0.622**			
	74	502590.273	2049461.758	25.842	CLR	24.882	**-0.96**			
	75	502550.082	2049491.291	25.562	CLR	24.804	**-0.758**			
	76	502549.944	2049491.206	25.802	CLR	24.802	**-1**			
	77	502510.088	2049521.503	25.536	CLR	24.688	**-0.848**			
	78	502472.063	2049553.816	25.335	CLR	24.841	**-0.494**			
	79	502432.324	2049584.237	25.538	CLR	24.932	**-0.606**			
	80	502392.791	2049614.733	25.517	CLR	25.552	**0.035**			
	81	502352.734	2049644.908	25.447	CLR	25.617	**0.17**			
	82	502313.052	2049675.132	25.328	CLR	25.466	**0.138**			
	83	502272.817	2049705.026	25.303	CLR	25.567	**0.264**			
Profile 4		Centerline, hard surfaced road, unobscured								
	6	508481.381	2054265.529	32.916	CLI	33.105	**0.189**		Average	0.09 ft
	7	508516.609	2054300.979	32.975	CL	32.994	**0.019**		RMSE	0.16 ft
	8	508551.671	2054336.643	32.827	CL	33.108	**0.281**		Std Dev	0.14 ft
	9	508586.594	2054372.249	32.89	CL	33.094	**0.204**		Max	0.28 ft
	10	508621.656	2054407.741	32.837	CL	32.959	**0.122**		Min	-0.23 ft
	11	508656.593	2054443.498	32.931	CL	32.971	**0.04**		Count	24
	12	508691.631	2054479.166	32.941	CL	33.007	**0.066**			
	13	508726.726	2054514.672	33.254	CL	33.081	**-0.173**			
	14	508761.894	2054550.246	33.484	CL	33.257	**-0.227**		Tile	508052
	15	508797.011	2054585.848	33.772	CL	33.74	**-0.032**			
	16	508831.94	2054621.561	34.313	CL	34.247	**-0.066**			
	17	508866.924	2054657.213	34.975	CL	34.955	**-0.02**			
	18	508901.982	2054692.862	35.683	CL	35.683	**0**			
	19	508901.927	2054692.89	35.662	CL	35.682	**0.02**			
	20	508937.094	2054728.409	36.515	CL	36.539	**0.024**			
	21	508972.623	2054763.577	37.497	CL	37.51	**0.013**			
	22	509008.56	2054798.401	38.371	CL	38.556	**0.185**			
	23	509044.757	2054832.903	39.548	CL	39.787	**0.239**			
	24	509081.651	2054866.605	40.863	CL	41.037	**0.174**			
	25	509118.841	2054899.999	42.174	CL	42.397	**0.223**			
	26	509156.415	2054932.961	43.727	CL	43.897	**0.17**			
	27	509194.52	2054965.257	45.207	CL	45.354	**0.147**			
	28	509233.112	2054996.984	46.591	CL	46.852	**0.261**			
	29	509272.079	2055028.205	47.931	CL	48.177	**0.246**			

Profile 5		Vegetation, medium, partially obscured									
	30	510791.617	2053171.024	32.109	EP	31.367		**-0.742**	Average	0.04	ft
	31	510783.823	2053165.364	32.321	CLR	31.545		**-0.776**	RMSE	0.13	ft
	32	510775.594	2053159.488	32.056	EP	31.313		**-0.743**	Std Dev	0.13	ft
	33	510758.553	2053147.183	27.849	BOT	27.779		**-0.07**	Max	0.30	ft
	34	510751.372	2053140.201	29.163	BOT	28.096		**-1.067**	Min	-0.18	ft
	35	510751.363	2053140.223	29.194	GS	28.097		**-1.097**	Count	20	
	36	510751.394	2053140.181	29.062	TB	28.094		**-0.968**			
	37	510711.574	2053109.947	28.989	GS	29.285	**0.296**				
	38	510673.163	2053078.127	29.207	GS	29.194	**-0.013**		Tile	508052	
	39	510634.411	2053046.444	29.138	GS	29.165	**0.027**				
	40	510595.187	2053015.271	28.993	GS	29.216	**0.223**				
	41	510555.9	2052984.137	28.914	GS	29.107	**0.193**				
	42	510517.031	2052952.626	28.808	GS	28.918	**0.11**				
	43	510478.281	2052921.502	28.788	GS	28.918	**0.13**				
	44	510439.418	2052890.417	28.791	GS	28.921	**0.13**				
	45	510400.496	2052859.152	28.694	GS	28.834	**0.14**				
	46	510361.672	2052827.846	28.664	GS	28.834	**0.17**				
	47	510322.703	2052796.538	28.927	GS	28.898	**-0.029**				
	48	510284.566	2052764.959	28.855	GS	28.915	**0.06**				
	49	510245.894	2052733.311	28.986	GS	29.037	**0.051**				
	50	510207.095	2052702.186	29.106	GS	29.107	**0.001**				
	51	510168.474	2052670.227	28.696	GS	28.667	**-0.029**				
	52	510129.312	2052639.462	28.747	GS	28.617	**-0.13**				
	53	510089.887	2052608.83	28.813	GS	28.637	**-0.176**				
	54	510051.151	2052577.766	28.658	GS	28.6	**-0.058**				
	55	510012.516	2052546.458	28.782	GS	28.632	**-0.15**				
	56	509973.625	2052515.197	28.726	GS	28.648	**-0.078**				
Profile 6		Edge of pavement, unobscured									
	205	525935.924	2030020.807	42.525	TA	42.279	**-0.246**		Average	-0.34	ft
	206	525983.975	2030006.995	42.443	TA	42.064	**-0.379**		RMSE	0.39	ft
	207	526032.004	2029993.133	42.513	TA	42.253	**-0.26**		Std Dev	0.18	ft
	208	526079.831	2029979.297	42.539	TA	42.061	**-0.478**		Max	0.04	ft
	209	526127.825	2029965.505	42.558	TA	41.906	**-0.652**		Min	-0.65	ft
	210	526175.77	2029951.746	42.482	TA	42.007	**-0.475**		Count	21	
	211	526223.703	2029937.895	42.399	TA	42.086	**-0.313**				
	212	526271.683	2029924.108	42.479	TA	42.243	**-0.236**				
	213	526319.671	2029910.254	42.482	TA	42.417	**-0.065**		Tile	520028	
	214	526367.557	2029896.373	42.581	TA	42.616	**0.035**			520032	
	215	526415.486	2029882.376	42.879	TA	42.749	**-0.13**			524028	
	216	526463.422	2029868.44	43.068	TA	42.823	**-0.245**				
	217	526511.468	2029855.413	43.156	TA	42.932	**-0.224**				
	218	526559.822	2029843.011	43.149	TA	42.951	**-0.198**				
	219	526608.407	2029831.187	43.308	TA	42.946	**-0.362**				
	220	526656.849	2029819.547	43.377	TA	42.821	**-0.556**				
	221	526705.331	2029807.981	43.286	TA	42.699	**-0.587**				
	222	526753.832	2029796.451	42.932	TA	42.537	**-0.395**				
	223	526802.343	2029784.93	42.779	TA	42.278	**-0.501**				
	224	526850.968	2029773.383	42.532	TA	42.025	**-0.507**				
	225	526899.554	2029761.793	42.389	TA	41.954	**-0.435**				
Profile 7		Edge of pavement, unobscured									
	226	524284.804	2031355.635	47.021	TA	46.412	**-0.609**		Average	-0.38	ft
	227	524255.083	2031396.158	47.031	TA	46.629	**-0.402**		RMSE	0.40	ft
	228	524225.585	2031436.529	47.03	TA	46.634	**-0.396**		Std Dev	0.13	ft
	229	524196.139	2031476.993	46.982	TA	46.639	**-0.343**		Max	-0.17	ft
	230	524166.632	2031517.419	47.066	TA	46.639	**-0.427**		Min	-0.61	ft
	231	524137.014	2031557.794	47.217	TA	46.774	**-0.443**		Count	21	
	232	524107.525	2031598.106	47.222	TA	46.765	**-0.457**				
	233	524077.905	2031638.518	47.281	TA	46.69	**-0.591**				
	234	524048.321	2031678.92	47.376	TA	46.777	**-0.599**		Tile	524028	
	235	524018.782	2031719.3	47.31	TA	46.925	**-0.385**				
	236	523989.146	2031759.61	47.395	TA	47.229	**-0.166**				
	237	523959.545	2031800.014	47.412	TA	47.205	**-0.207**				
	238	523929.88	2031840.41	47.427	TA	47.029	**-0.398**				
	239	523900.26	2031880.792	47.382	TA	46.916	**-0.466**				
	240	523870.621	2031921.188	47.297	TA	46.927	**-0.37**				
	241	523841.025	2031961.479	47.288	TA	46.948	**-0.34**				
	242	523811.478	2032001.7	47.229	TA	46.919	**-0.31**				
	243	523781.954	2032041.97	47.238	TA	46.961	**-0.277**				
	244	523752.447	2032082.34	47.265	TA	47.091	**-0.174**				
	245	523722.835	2032122.768	47.291	TA	47.047	**-0.244**				
	246	523693.057	2032163.127	47.29	TA	46.995	**-0.295**				

AREA 2										
Profile 1		Edge of pavement, unobscured								
	3	1976793.849	575428.84	7.74	1-Feb	7.426	**-0.314**		Average	-0.29 ft
	4	1976838.415	575406.186	7.339	2-Feb	7.078	**-0.261**		RMSE	0.33 ft
	5	1976882.943	575383.489	6.947	3-Feb	6.716	**-0.231**		Std Dev	0.16 ft
	6	1976927.484	575360.762	6.749	4-Feb	6.503	**-0.246**		Max	0.28 ft
	7	1976971.814	575337.736	6.514	5-Feb	6.345	**-0.169**		Min	-0.60 ft
	8	1977016.071	575314.516	6.229	6-Feb	6.034	**-0.195**		Count	26
	9	1977060.422	575291.472	5.972	7-Feb	5.871	**-0.101**			
	10	1977105	575268.841	5.878	8-Feb	6.158	**0.28**			
	11	1977149.843	575246.723	6.037	9-Feb	5.902	**-0.135**		Tile	572976
	12	1977195.028	575225.345	6.062	10-Feb	5.85	**-0.212**			
	13	1977240.687	575204.914	6.061	11-Feb	5.771	**-0.29**			
	14	1977286.857	575185.294	5.863	12-Feb	5.634	**-0.229**			
	15	1977333.208	575166.545	5.712	13-Feb	5.518	**-0.194**			
	16	1976749.08	575451.057	7.84	13-Feb	7.438	**-0.402**			
	17	1976704.135	575472.896	7.968	14-Feb	7.51	**-0.458**			
	18	1976658.932	575494.273	8.22	15-Feb	7.622	**-0.598**			
	19	1976613.274	575514.664	8.242	16-Feb	7.809	**-0.433**			
	20	1976567.347	575534.433	8.329	17-Feb	7.887	**-0.442**			
	21	1976521.048	575553.23	8.474	18-Feb	8.113	**-0.361**			
	22	1976474.441	575571.194	8.51	19-Feb	8.225	**-0.285**			
	23	1976427.609	575588.748	8.393	20-Feb	8	**-0.393**			
	24	1976380.542	575605.562	8.308	21-Feb	7.881	**-0.427**			
	25	1976333.303	575622.01	8.233	22-Feb	7.837	**-0.396**			
	26	1976285.999	575638.14	8.217	23-Feb	7.819	**-0.398**			
	27	1976238.619	575654.022	8.11	24-Feb	7.735	**-0.375**			
	28	1976191.167	575669.602	7.963	2.25	7.707	**-0.256**			
Profile 2		Field, low scrub, obscured, 1.5' tall grass, fallow farm field								
	35	1971453.481	555954.357	26.896	Mar-69	27.242		**0.346**	Average	0.52 ft
	36	1971424.397	556105.657	26.805	Jan-00	27.608		**0.803**	RMSE	0.73 ft
	37	1971375.147	556104.821	26.686	1-Jan	27.505		**0.819**	Std Dev	0.53 ft
	38	1971325.332	556104.169	26.807	2-Jan	27.669		**0.862**	Max	1.67 ft
	39	1971275.744	556103.296	26.916	3-Jan	27.525		**0.609**	Min	-0.48 ft
	40	1971225.063	556102.977	27.134	4-Jan	27.547		**0.413**	Count	26
	41	1971175.056	556103.672	26.748	5-Jan	27.849		**1.101**		
	42	1971124.816	556101.489	27.077	6-Jan	27.67		**0.593**		
	43	1971075.251	556102.071	26.262	7-Jan	27.579		**1.317**		
	44	1971025.018	556102.061	25.911	8-Jan	26.931		**1.02**	Tile	556968
	45	1970975.607	556101.621	25.24	9-Jan	26.908		**1.668**		
	46	1970924.992	556101.495	25.477	10-Jan	26.756		**1.279**		
	47	1970875.058	556102.502	27.306	11-Jan	27.265		**-0.041**		
	48	1970824.36	556102.35	26.817	12-Jan	27.242		**0.425**		
	49	1970774.373	556101.978	26.888	13-Jan	27.57		**0.682**		
	50	1970724.357	556100.756	26.723	14-Jan	27.096		**0.373**		
	51	1970673.516	556103.105	26.564	15-Jan	27.101		**0.537**		
	52	1970624.541	556103.942	27.185	16-Jan	27.408		**0.223**		
	53	1970574.453	556105.621	26.333	17-Jan	26.767		**0.434**		
	54	1970524.401	556105.517	26.708	18-Jan	27.36		**0.652**		
	55	1970474.265	556105.824	27.481	19-Jan	27.28		**-0.201**		
	56	1970424.74	556107.738	26.943	20-Jan	27.347		**0.404**		
	57	1970375.731	556107.626	27.786	21-Jan	27.305		**-0.481**		
	58	1970324.991	556108.917	26.552	22-Jan	26.467		**-0.085**		
	59	1970275.85	556113.594	26.115	23-Jan	26.316		**0.201**		
	60	1970225.976	556117.059	26.585	24-Jan	26.133		**-0.452**		

Profile 3	Dirt road obscured by trees									
1	2014634.646	565992.149	10.136	FIR012SJCR	10.108		**-0.028**	Average	-1.19	ft
2	2014196.855	566877.916	10.443	FIR012SJCR	10.558		**0.115**	RMSE	2.44	ft
3	2014866.293	566867.7934	11.3667	SNL	11.1087		**-0.258**	Std Dev	2.16	ft
4	2014050.15	566884.5294	13.9775	SNL	9.4645		**-4.513**	Max	0.94	ft
5	2014901.733	567173.6436	11.4317	SNL	11.4567		**0.025**	Min	-6.78	ft
6	2014829.06	567178.0367	10.1911	FIR012SJCR	10.3021		**0.111**	Count	37	
7	2014106.976	567215.0002	12.9605	FND	12.2105		**-0.75**			
200	2014203.959	566878.1006	10.4997	GS5+00	10.5387		**0.039**			
201	2014253.913	566875.9078	11.2038	GS5+50	10.9108		**-0.293**	Tile	564012	
202	2014303.731	566875.1551	11.7413	GS6+00	11.2713		**-0.47**			
203	2014353.67	566873.4561	12.3394	GS6+50	11.3994		**-0.94**			
204	2014403.534	566873.796	10.3782	GS7+00	10.4432		**0.065**			
205	2014453.429	566872.3739	8.2526	GS7+50	8.9146		**0.662**			
206	2014503.115	566870.416	7.8474	GS8+00	8.7854		**0.938**			
207	2014552.927	566869.7809	9.5574	GS8+50	9.7424		**0.185**			
208	2014153.719	566882.8512	13.9673	GS4+50	10.6763		**-3.291**			
209	2014103.924	566887.233	15.1125	GS4+00	9.8795		**-5.233**			
210	2014054.614	566888.186	14.5666	GS3+50	9.4536		**-5.113**			
211	2014005.563	566878.5208	14.0671	GS3+00	9.2771		**-4.79**			
212	2013955.918	566880.5811	14.466	GS2+50	9.323		**-5.143**			
213	2013906.5	566883.382	15.8348	GS2+00	9.0538		**-6.781**			
214	2013856.914	566886.8496	14.7924	GS1+50	10.0364		**-4.756**			
215	2013806.709	566887.0611	14.2137	GS1+00	10.7817		**-3.432**			
216	2013756.689	566887.5578	11.858	GS0+50	11.446		**-0.412**			
217	2013706.875	566885.7177	10.9377	GS0+00	10.3397		**-0.598**			
218	2014602.347	566869.1053	11.3479	GS9+00	10.4369		**-0.911**			
219	2014652.039	566867.8918	10.2559	GS9+50	10.3519		**0.096**			
220	2014701.903	566866.343	9.7796	GS10+00	10.3526		**0.573**			
221	2014751.557	566865.7563	11.294	GS10+50	11.207		**-0.087**			
222	2014801.411	566864.8577	11.2239	GS11+00	11.0699		**-0.154**			
223	2014850.117	566874.7958	11.206	GS11+50	11.746		**0.54**			
224	2014868.424	566921.116	11.8909	GS12+00	12.2079		**0.317**			
225	2014872.098	566971.1823	13.2869	GS12+50	12.9989		**-0.288**			
226	2014877.694	567020.6517	13.158	GS13+00	13.358		**0.2**			
227	2014885.53	567069.6885	13.3741	GS13+50	13.6581		**0.284**			
228	2014894.792	567118.646	12.2498	GS14+00	12.7008		**0.451**			
229	2014902.97	567167.793	11.9144	GS14+50	11.6124		**-0.302**			
Profile 4	Cut grass off edge of road, unobscured									
1	2042840.74	547613.07	7.97	Mar-60	7.869	**-0.101**		Average	-0.09	ft
3	2043978.753	547055.9	9.476	Apr-00	9.489	**0.013**		RMSE	0.14	ft
4	2043934.577	547079.32	9.609	1-Apr	9.518	**-0.091**		Std Dev	0.12	ft
5	2043890.696	547102.556	9.447	2-Apr	9.518	**0.071**		Max	0.11	ft
6	2043846.741	547125.974	9.403	3-Apr	9.509	**0.106**		Min	-0.39	ft
7	2043802.799	547149.268	9.401	4-Apr	9.458	**0.057**		Count	26	
8	2043758.99	547172.632	9.358	5-Apr	9.416	**0.058**				
9	2043715.02	547195.862	9.435	6-Apr	9.376	**-0.059**				
10	2043670.895	547219.358	9.46	7-Apr	9.386	**-0.074**		Tile	544040	
11	2043626.831	547242.763	9.397	8-Apr	9.394	**-0.003**				
12	2043582.631	547266.14	9.382	9-Apr	9.388	**0.006**				
13	2043538.426	547289.359	9.354	10-Apr	9.406	**0.052**				
14	2043494.335	547312.777	9.34	11-Apr	9.382	**0.042**				
15	2043450.196	547336.139	9.36	12-Apr	9.267	**-0.093**				
16	2043406.308	547359.433	9.413	13-Apr	9.201	**-0.212**				
17	2043361.987	547382.812	9.335	14-Apr	9.149	**-0.186**				
18	2043317.964	547406.019	9.331	15-Apr	9.144	**-0.187**				
19	2043274.192	547429.273	9.295	16-Apr	9.138	**-0.157**				
20	2043230.005	547452.341	9.314	17-Apr	9.129	**-0.185**				
21	2043186.383	547476.155	9.36	18-Apr	9.16	**-0.2**				
22	2043142.461	547499.458	9.231	19-Apr	9.108	**-0.123**				
23	2043098.418	547522.771	9.104	20-Apr	9.019	**-0.085**				
24	2043054.296	547546.16	9.107	21-Apr	8.932	**-0.175**				
25	2043010.108	547569.097	9.026	22-Apr	8.864	**-0.162**				
26	2042966.084	547592.555	8.985	23-Apr	8.843	**-0.142**				
27	2042922.649	547615.943	9.238	24-Apr	8.847	**-0.391**				

Profile 5	Dirt road, unobscured										
4	2018559.948	531955.955	37.842	May-00	38.352	**0.51**			Average	0.30	ft
5	2018561.108	531905.955	37.864	1-May	38.331	**0.467**			RMSE	0.42	ft
6	2018560.963	531855.994	37.807	2-May	38.341	**0.534**			Std Dev	0.30	ft
7	2018561.533	531806.095	37.794	3-May	38.449	**0.655**			Max	0.66	ft
8	2018561.958	531756.194	38.075	4-May	38.545	**0.47**			Min	-0.27	ft
9	2018562.496	531706.284	38.246	5-May	38.764	**0.518**			Count	25	
10	2018563.623	531656.31	38.487	6-May	38.916	**0.429**					
11	2018564.186	531606.418	38.345	7-May	38.819	**0.474**					
12	2018564.953	531556.508	38.127	8-May	38.736	**0.609**			Tile	528016	
13	2018565.527	531506.628	38.301	9-May	38.802	**0.501**					
14	2018566.464	531456.724	38.296	10-May	38.903	**0.607**					
15	2018567.475	531406.724	38.437	11-May	39.025	**0.588**					
16	2018568.66	531356.798	38.656	12-May	39.172	**0.516**					
17	2018569.957	531306.858	38.62	13-May	39.219	**0.599**					
18	2018571.147	531256.947	38.799	14-May	39.017	**0.218**					
19	2018572.664	531206.957	38.851	15-May	39.269	**0.418**					
20	2018573.878	531156.951	39.016	16-May	39.224	**0.208**					
21	2018574.853	531107.087	39.109	17-May	39.14	**0.031**					
22	2018576.123	531057.169	39.078	18-May	39.074	**-0.004**					
23	2018576.82	531007.223	39.067	19-May	38.882	**-0.185**					
24	2018577.928	530957.278	39.175	20-May	38.992	**-0.183**					
25	2018578.598	530907.471	39.101	21-May	39.087	**-0.014**					
26	2018579.985	530857.593	39.13	22-May	38.864	**-0.266**					
27	2018581.598	530807.599	38.711	23-May	38.697	**-0.014**					
28	2018582.774	530757.637	38.369	24-May	38.219	**-0.15**					
Profile 6	Powerline, low to medium brush, partially obscured										
4	2008751.929	545034.979	37.582	Jun-00	37.506	**-0.076**			Average	0.48	ft
5	2008722.175	545074.905	36.339	1-Jun	37.384			**1.045**	RMSE	0.53	ft
6	2008692.358	545115.081	36.679	2-Jun	37.3	**0.621**			Std Dev	0.24	ft
7	2008661.913	545154.914	36.917	3-Jun	37.423	**0.506**			Max	0.92	ft
8	2008632.391	545195.311	37.212	4-Jun	37.753	**0.541**			Min	-0.08	ft
9	2008602.388	545235.236	37.3	5-Jun	37.742	**0.442**			Count	22	
10	2008572.051	545275.476	37.219	6-Jun	37.772	**0.553**					
11	2008542.789	545315.953	36.65	7-Jun	37.57	**0.92**					
12	2008512.465	545355.245	37.182	8-Jun	37.847	**0.665**			Tile	544008	
13	2008483.098	545395.241	38.904	9-Jun	38.921	**0.017**					
14	2008453.725	545435.478	37.554	10-Jun	**38.105**	**0.551**					
15	2008423.731	545475.178	37.531	11-Jun	**37.915**	**0.384**					
16	2008393.187	545514.898	37.557	12-Jun	**37.925**	**0.368**					
17	2008362.735	545554.833	37.394	13-Jun	**37.783**	**0.389**					
18	2008332.95	545594.45	37.169	14-Jun	**37.888**	**0.719**					
19	2008301.718	545634.046	37.287	15-Jun	**37.918**	**0.631**					
20	2008272.192	545674.368	37.371	16-Jun	**38.189**	**0.818**					
21	2008242.307	545714.023	37.231	17-Jun	**37.913**	**0.682**					
22	2008212.873	545753.901	37.633	18-Jun	**38.037**	**0.404**					
23	2008183.35	545793.674	37.253	19-Jun	**38.229**			**0.976**			
24	2008152.467	545832.799	37.11	20-Jun	**37.615**	**0.505**					
25	2008159.946	545882.476	36.169	21-Jun	**37.173**			**1.004**			
26	2008167.958	545931.993	36.588	22-Jun	**36.793**	**0.205**					
27	2008175.839	545980.821	36.74	23-Jun	**36.935**	**0.195**					
28	2008185.454	546029.766	36.28	24-Jun	**36.802**	**0.522**					
Profile 7	Low grass, golf course, unobscured, couple points on slope										
200	1987410.637	535183.3546	43.4177	TC7-1	**43.4987**	**0.081**			Average	-0.12	ft
201	1987361.649	535194.2586	43.2395	GS7-2	**43.2055**	**-0.034**			RMSE	0.23	ft
202	1987312.709	535205.0733	43.4036	GS7-3	**43.7406**			**0.337**	Std Dev	0.19	ft
203	1987264.018	535215.5407	42.7958	GS7-4	**42.9578**			**0.162**	Max	0.17	ft
204	1987215.258	535226.2127	43.0665	GS7-5	**42.7815**	**-0.285**			Min	-0.47	ft
205	1987166.165	535236.9568	43.2845	GS7-6	**43.0715**	**-0.213**			Count	22	
206	1987117.25	535247.6613	43.9246	GS7-7	**43.6896**	**-0.235**					
207	1987068.468	535258.2013	44.5697	GS7-8	**44.4077**	**-0.162**					
208	1987019.504	535268.9706	44.7844	GS7-9	**44.5704**	**-0.214**			Tile	532984	
209	1986970.728	535279.6373	45.2139	GS7-10	**44.9539**	**-0.26**					
210	1986921.666	535290.4078	46.1817	GS7-11	**45.9397**	**-0.242**					
211	1986872.654	535301.1409	47.2424	GS7-12	**46.8034**	**-0.439**					
212	1986823.681	535311.7533	47.9252	GS7-13	**47.4572**	**-0.468**					
213	1986774.736	535322.4386	48.336	GS7-14	**48.196**	**-0.14**					
214	1986725.733	535333.236	49.0435	GS7-15	**48.9025**	**-0.141**					
215	1986676.642	535344.0421	49.0354	GS7-16	**49.1804**	**0.145**					
216	1986627.76	535354.638	47.6781	GS7-17	**47.7591**	**0.081**					
217	1986578.657	535365.443	46.8391	GS7-18	**46.7641**	**-0.075**					
218	1986529.683	535376.1806	45.8647	GS7-19	**45.7797**	**-0.085**					
219	1986480.63	535386.9246	45.6787	GS7-20	**45.6597**	**-0.019**					
220	1986431.845	535397.6519	45.4907	GS7-21	**45.6607**	**0.17**					
221	1986382.988	535408.2076	46.055	GS7-22	**46.14**	**0.085**					
222	1986334.026	535418.3509	48.5476	GS7-23	**48.1056**	**-0.442**					
223	1986285.103	535429.7407	47.7037	GS7-24	**47.8517**	**0.148**					

AREA 3										
Profile 1	Dirt road, unobscured, note that the whole profile is digging 1.5-feet verified in stereo									
	200	1923465.373	521520.9966	24.9172	CLR0+0	24.6942	**-0.223**		Average	-0.18 ft
	201	1923461.474	521420.0189	25.9988	CLR1+0	25.8148	**-0.184**		RMSE	0.23 ft
	202	1923460.274	521320.1314	26.1004	CLR2+0	25.7804	**-0.32**		Std Dev	0.14 ft
	203	1923458.82	521220.2152	25.7723	CLR3+0	25.6393	**-0.133**		Max	0.06 ft
	204	1923455.086	521120.2774	25.5705	CLR4+0	25.5015	**-0.069**		Min	-0.45 ft
	205	1923451.987	521020.3791	25.4975	CLR5+0	25.5055	**0.008**		Count	13
	206	1923448.463	520919.9854	24.8527	CLR6+0	24.9157	**0.063**			
	207	1923445.299	520819.5245	25.1493	CLR7+0	25.0553	**-0.094**		Tile	520920
	208	1923442.709	520719.6411	25.482	CLR8+0	25.269	**-0.213**			
	209	1923439.159	520619.9292	25.402	CLR9+0	25.228	**-0.174**			
	210	1923435.543	520519.0236	25.163	CLR10+0	24.715	**-0.448**			
	211	1923433.139	520419.6635	24.9519	CLR11+0	24.6929	**-0.259**			
	212	1923430.162	520319.2477	24.7179	CLR12+0	24.4069	**-0.311**			
Profile 2	Farm field, low vegetation, partially obscured, deleted points are in ditches with tall grass at bottum									
	200	1925828.267	496234.0344	24.8191	GS0+00	25.1071	**0.288**		Average	0.58 ft
	201	1925821.836	496133.8368	23.8296	GS1+00	24.6686	**0.839**		RMSE	0.53 ft
	202	1925819.266	496083.1816	22.451	BOT	24.17		**1.719**	Std Dev	0.26 ft
	203	1925815.396	496034.4058	24.3707	GS2+0	25.0777	**0.707**		Max	0.85 ft
	204	1925808.772	495934.3119	24.7183	GS3+0	25.2063	**0.488**		Min	0.06 ft
	205	1925804.601	495867.0713	23.1074	BOT	24.3634		**1.256**	Count	14
	206	1925802.838	495834.3134	24.9484	GS4+0	25.0564	**0.108**			
	207	1925796.207	495734.5409	24.9836	GS5+0	25.5516	**0.568**			
	208	1925795.389	495727.6767	23.2037	BOT	24.3727		**1.169**	Tile	492924
	209	1925791.043	495649.8556	23.2124	BOT	23.8374		**0.625**		496924
	210	1925789.991	495634.4955	24.4277	GS6+0	25.2247	**0.797**			
	211	1925786.547	495577.9067	22.8438	BOT	24.3838		**1.54**		
	212	1925783.584	495534.7359	24.5985	GS7+00	25.3665	**0.768**			
	213	1925781.649	495500.5852	23.2566	BOT	24.2886		**1.032**		
	214	1925777.145	495434.522	23.5196	BOT8+0	25.1686		**1.649**		
	215	1925772.644	495371.3152	22.0951	BOT	23.6191		**1.524**		
	216	1925770.641	495334.7111	24.2671	CLR9+0	25.1201	**0.853**			
	217	1925768.365	495295.8741	21.2602	BOT	23.4122		**2.152**		
	218	1925767.646	495281.8109	29.1343	TB	29.7013	**0.567**			
	219	1925766.993	495271.5327	24.3903	TS	25.2193	**0.829**			
	220	1925764.573	495234.5546	24.8848	GS10+00	24.9468	**0.062**			
	221	1925758.15	495134.5806	24.3038	GS11+00	25.0238	**0.72**			
	222	1925752.863	495049.7187	25.2991	GS11+85	25.8291	**0.53**			
Profile 3	Centerlined of paved road, unobscured									
	4	1957714.053	493735.832	8.384	CLR 0+0	8.186	**-0.198**		Average	-0.18 ft
	5	1957736.249	493780.71	8.513	CLR 0+50	8.239	**-0.274**		RMSE	0.23 ft
	6	1957758.033	493825.689	8.579	CLR 1+0	8.277	**-0.302**		Std Dev	0.14 ft
	7	1957769.632	493875.097	8.665	EP 1+5	8.425	**-0.24**		Max	0.11 ft
	8	1957801.714	493915.818	8.508	CLR 2+0	8.251	**-0.257**		Min	-0.39 ft
	9	1957823.324	493960.862	8.354	CLR 2+50	8.217	**-0.137**		Count	25
	10	1957845.148	494005.989	8.45	CLR 3+0	8.167	**-0.283**			
	11	1957866.921	494050.978	8.513	CLR 3+50	8.122	**-0.391**			
	12	1957888.301	494096.215	8.443	CLR 4+0	8.082	**-0.361**		Tile	492956
	13	1957910.111	494141.183	8.298	CLR 4+50	8.03	**-0.268**			
	14	1957931.757	494186.277	8.326	CLR 5+0	8.003	**-0.323**			
	15	1957953.308	494231.617	8.433	CLR 5+50	8.043	**-0.39**			
	16	1957974.918	494276.62	8.196	CLR 6+0	8.064	**-0.132**			
	17	1957986.244	494326.672	8.375	EP 6+50	8.164	**-0.211**			
	18	1958017.931	494366.913	8.234	CLR 7+0	8.101	**-0.133**			
	19	1958029.618	494416.686	8.3	EP 7+50	8.065	**-0.235**			
	20	1958061.519	494457.036	7.959	CLR 8+0	8.053	**0.094**			
	21	1958083.292	494502.151	7.882	CLR 8+50	7.992	**0.11**			
	22	1958105.022	494547.222	8.012	CLR 9+0	7.918	**-0.094**			
	23	1958126.782	494592.354	7.936	CLR 9+50	7.847	**-0.089**			
	24	1958148.778	494637.241	7.782	CLR 10+0	7.791	**0.009**			
	25	1958160.075	494687.248	7.92	EP 10+50	7.963	**0.043**			
	26	1958192.355	494727.294	7.913	CLR 11+0	7.733	**-0.18**			
	27	1958213.461	494772.69	7.947	CLR 11+50	7.753	**-0.194**			
	28	1958234.886	494817.998	7.951	CLR 12+0	7.868	**-0.083**			

Profile 4		Farm Field, low vegetation, unobscured								
	4	1990001.261	485762.4	11.702	GS 0+0	11.626	**-0.076**		Average	0.06 ft
	5	1990002.914	485862.427	12.071	GS 1+0	11.886	**-0.185**		RMSE	0.19 ft
	6	1990005.537	485962.836	13.18	GS 2+0	13.353	**0.173**		Std Dev	0.19 ft
	7	1990008.032	486062.96	13.807	GS 3+0	13.739	**-0.068**		Max	0.48 ft
	8	1990010.915	486163.062	14.007	GS 4+0	14.007	**0**		Min	-0.20 ft
	9	1990013.4	486262.219	14.355	GS 5+0	14.295	**-0.06**		Count	13
	10	1990015.696	486362.318	14.609	GS 6+0	14.409	**-0.2**			
	11	1990017.358	486461.623	14.441	GS 7+0	14.507	**0.066**			
	12	1990018.999	486561.919	14.146	GS 8+0	14.332	**0.186**		Tile	484988
	13	1990020.419	486661.533	14.174	GS 9+0	14.407	**0.233**			
	14	1990022.233	486761.557	13.938	GS 10+0	14.418	**0.48**			
	15	1990023.672	486861.673	14.099	GS 11+0	14.199	**0.1**			
	16	1990025.235	486961.913	13.806	GS 12+0	13.97	**0.164**			
Profile 5		Dense trees, cultivated, obscured								
	204	1983935.599	521108.5847	32.4105	GS 0+0	31.7645		**-0.646**	Average	0.42 ft
	205	1983935.873	521158.3695	32.4505	GS 0+50	32.7175		**0.267**	RMSE	0.54 ft
	206	1983935.895	521208.5743	32.219	GS 1+0	32.805		**0.586**	Std Dev	0.34 ft
	207	1983935.799	521258.7349	32.4977	GS 1+50	32.8027		**0.305**	Max	1.28 ft
	208	1983936.002	521308.9645	32.2633	GS 2+0	32.8773		**0.614**	Min	-0.65 ft
	209	1983936.094	521358.8146	32.5268	GS 2+50	32.8418		**0.315**	Count	25
	210	1983936.203	521408.9693	32.232	GS 3+0	32.933		**0.701**		
	211	1983936.463	521458.8091	32.3905	GS 3+50	32.9055		**0.515**		
	212	1983936.524	521509.0941	32.8206	GS 4+0	33.0476		**0.227**	Tile	520980
	213	1983938.506	521558.8544	32.6155	GS 4+50	32.9715		**0.356**		
	214	1983940.195	521608.9389	32.5545	GS 5+0	32.9355		**0.381**		
	215	1983941.919	521658.9024	32.9932	GS 5+50	33.1042		**0.111**		
	216	1983943.662	521708.9236	32.8895	GS 6+0	33.3235		**0.434**		
	217	1983945.341	521758.8216	32.7237	GS 6+50	33.3167		**0.593**		
	218	1983947.182	521808.7774	32.9058	GS 7+0	33.2678		**0.362**		
	219	1983948.758	521858.6529	32.9413	GS 7+50	33.3723		**0.431**		
	220	1983950.701	521909.0453	33.2012	GS 8+0	33.2982		**0.097**		
	221	1983949.107	521958.8127	33.0476	GS 8+50	33.5726		**0.525**		
	222	1983946.607	522008.7963	32.8269	GS 9+0	33.7919		**0.965**		
	223	1983943.964	522058.3992	33.4264	GS 9+50	33.6474		**0.221**		
	224	1983941.818	522108.4303	33.3311	GS 10+0	33.6021		**0.271**		
	225	1983939.471	522158.3459	33.2893	GS 10+50	33.8153		**0.526**		
	226	1983937.301	522208.2847	33.1663	GS 11+0	33.6393		**0.473**		
	227	1983935.005	522258.1172	33.1083	GS 11+50	33.7523		**0.644**		
	228	1983932.652	522308.5126	32.9735	GS 12+0	34.2505		**1.277**		
Profile 6		Edge of field, tractor path, unobscured, profile is digging across entire length, profile bad								
	4	1960743.531	518932.397	41.556	GS 0+0	42.567		**1.011**	Average	0.34 ft
	5	1960741.547	518831.905	42.535	GS 1+0	43.425		**0.89**	RMSE	0.51 ft
	6	1960740.701	518731.864	42.635	GS 2+0	43.032		**0.397**	Std Dev	0.39 ft
	7	1960739.299	518631.697	43.346	GS 3+0	43.632		**0.286**	Max	1.01 ft
	8	1960737.932	518531.706	43.251	GS 4+0	43.252		**0.001**	Min	-0.34 ft
	9	1960736.209	518431.463	44.064	GS 5+0	44.162		**0.098**	Count	13
	10	1960734.894	518331.512	44.748	GS 6+0	45.263		**0.515**		
	11	1960733.355	518231.411	45.658	GS 7+0	45.656		**-0.002**		
	12	1960731.818	518131.243	45.908	GS 8+0	46.434		**0.526**	Tile	516960
	13	1960730.504	518030.872	46.145	GS 9+0	46.651		**0.506**		
	14	1960729.068	517930.948	46.631	GS 10+0	47.238		**0.607**		
	15	1960727.686	517830.701	46.822	GS 11+0	46.803		**-0.019**		
	16	1960726.05	517730.7	47.106	GS 12+0	46.763		**-0.343**		

AREA 4											
Profile 1	Edge of Pavement, unobscured										
	200	2100781.457	547251.6517	19.964	EP 0+0	19.78	**-0.184**		Average	-0.08	ft
	201	2100830.3	547240.9862	19.88	EP 0+50	19.808	**-0.072**		RMSE	0.13	ft
	202	2100879.143	547230.2693	19.915	EP 1+0	19.785	**-0.13**		Std Dev	0.10	ft
	203	2100927.981	547219.5237	19.9404	EP 1+50	19.7524	**-0.188**		Max	0.11	ft
	204	2100976.803	547208.6848	19.8763	EP 2+0	19.7113	**-0.165**		Min	-0.22	ft
	205	2101025.649	547198.1106	19.7878	EP 2+50	19.7038	**-0.084**		Count	25	
	206	2101074.58	547187.5711	19.7655	EP 3+0	19.7155	**-0.05**				
	207	2101123.478	547176.9965	19.6132	EP 3+50	19.7002	**0.087**				
	208	2101172.364	547166.3996	19.7667	EP 4+0	19.6097	**-0.157**		Tile	544100	
	209	2101221.208	547155.8071	19.6881	EP 4+50	19.5141	**-0.174**				
	210	2101270.13	547145.3639	19.5103	EP 5+0	19.4443	**-0.066**				
	211	2101318.916	547134.9844	19.519	EP 5+50	19.39	**-0.129**				
	212	2101367.912	547124.3958	19.5059	EP 6+0	19.3689	**-0.137**				
	213	2101416.612	547113.9779	19.4216	EP 6+50	19.3706	**-0.051**				
	214	2101465.453	547103.3737	19.4278	EP 7+0	19.3788	**-0.049**				
	215	2101514.149	547092.81	19.36	EP 7+50	19.338	**-0.022**				
	216	2101562.933	547082.1413	19.266	EP 8+0	19.26	**-0.006**				
	217	2101611.561	547071.2983	19.0683	EP 8+50	19.1223	**0.054**				
	218	2101660.366	547060.7228	19.0635	EP 9+0	19.0645	**0.001**				
	219	2101709.108	547049.9556	18.913	EP 9+50	19.027	**0.114**				
	220	2101757.81	547039.2287	18.6665	EP 10+0	18.6925	**0.026**				
	221	2101806.507	547028.5297	18.4075	EP 10+50	18.3605	**-0.047**				
	222	2101855.262	547017.8359	18.2531	EP 11+0	18.0321	**-0.221**				
	223	2101903.863	547007.1937	17.9952	EP 11+50	17.7792	**-0.216**				
	224	2101952.625	546996.6078	17.6857	EP 12+0	17.4827	**-0.203**				
Profile 2	Saplings/crops, obscured, brush 2' tall and cultivated trees at 9' tall										
	200	2106792.548	528580.8336	14.5672	GS 0+0	14.7192		**0.152**	Average	0.10	ft
	201	2106836.702	528603.2101	14.994	GS 0+50	15.166		**0.172**	RMSE	0.22	ft
	202	2106881.761	528626.0429	14.2925	GS 1+0	14.2525		**-0.04**	Std Dev	0.19	ft
	203	2106926.277	528648.6002	13.7936	GS 1+50	14.1126		**0.319**	Max	0.52	ft
	204	2106970.757	528671.1394	13.9395	GS 2+0	14.2645		**0.325**	Min	-0.24	ft
	205	2107015.278	528693.6979	14.0529	GS 2+50	14.4289		**0.376**	Count	24	
	206	2107059.684	528716.1989	14.5965	GS 3+0	14.4665		**-0.13**			
	207	2107104.348	528738.8302	14.5534	GS 3+50	14.4734		**-0.08**			
	208	2107148.772	528761.3396	14.6836	GS 4+0	14.4486		**-0.235**	Tile	528104	
	209	2107192.951	528783.7243	14.805	GS 4+50	14.73		**-0.075**			
	210	2107237.493	528806.293	14.9075	GS 5+0	14.9695		**0.062**			
	211	2107281.602	528828.6429	14.9182	GS 5+50	14.8392		**-0.079**			
	215	2107370.378	528874.4151	14.7509	GS 6+50	14.7669		**0.016**			
	216	2107414.898	528897.7273	14.8693	GS 7+0	14.9033		**0.034**			
	217	2107458.977	528920.7651	14.9255	GS 7+50	15.0005		**0.075**			
	218	2107503.349	528943.9859	15.0565	GS 8+0	15.0805		**0.024**			
	219	2107547.651	528967.17	14.8704	GS 8+50	14.9264		**0.056**			
	220	2107591.439	528990.086	14.1966	GS 9+0	14.5266		**0.33**			
	221	2107635.62	529013.2069	14.0843	GS 9+50	14.0243		**-0.06**			
	222	2107679.841	529036.3494	13.5353	GS 10+0	13.7653		**0.23**			
	223	2107724.009	529059.4623	13.4349	GS 10+50	13.6189		**0.184**			
	224	2107768.477	529082.7332	12.6298	GS 11+0	13.1498		**0.52**			
	225	2107812.666	529105.8584	12.4156	GS 11+50	12.7786		**0.363**			
	226	2107856.976	529129.0467	12.7647	GS 12+0	12.6767		**-0.088**			
Profile 3	Ditch, edge of dirt road, low brush, unobscured										
	4	2108680.84	518953.588	23.202	GS 0+0	23.689	**0.487**		Average	0.10	ft
	5	2108729.791	518952.524	23.08	GS 0+50	23.411	**0.331**		RMSE	0.36	ft
	6	2108781.252	518950.921	23.882	GS 1+0	23.44	**-0.442**		Std Dev	0.36	ft
	7	2108830.658	518949.529	22.996	GS 1+50	23.27	**0.274**		Max	0.50	ft
	8	2108881.311	518948.367	23.097	GS 2+0	23.002	**-0.095**		Min	-1.09	ft
	9	2108931.332	518947.099	23.2	GS 2+50	23.048	**-0.152**		Count	27	
	10	2108981.359	518945.936	22.384	GS 3+0	22.851	**0.467**				
	11	2109031.18	518945.015	22.278	GS 3+50	22.769	**0.491**				
	12	2109081.24	518943.549	22.069	GS 4+0	22.569	**0.5**		Tile	516108	
	13	2109107.266	518942.71	21.86	TB	21.96	**0.1**				
	14	2109116.443	518942.904	19.092	TS	18.823	**-0.269**				
	15	2109151.945	518941.774	22.528	TB	21.443	**-1.085**				
	16	2109180.74	518940.889	22.205	GS 5+0	22.501	**0.296**				
	17	2109232.566	518939.721	21.186	GS 5+50	21.221	**0.035**				
	18	2109280.97	518938.563	21.413	GS 6+0	21.593	**0.18**				
	19	2109331.045	518937.304	22.118	GS 6+50	22.12	**0.002**				
	20	2109381.142	518935.861	22.519	GS 7+0	22.793	**0.274**				
	21	2109430.782	518934.368	22.751	GS 7+50	22.638	**-0.113**				
	22	2109481.737	518933.062	22.773	GS 8+0	23.012	**0.239**				
	23	2109532.443	518931.906	23.021	GS 8+50	22.693	**-0.328**				
	24	2109581.657	518930.541	22.096	GS 9+0	22.488	**0.392**				
	25	2109631.799	518929.463	22.21	GS 9+50	22.314	**0.104**				
	26	2109680.703	518928.169	21.667	GS 10+0	22.024	**0.357**				
	27	2109730.353	518926.644	22.143	GS 10+50	21.992	**-0.151**				
	28	2109780.696	518925.677	21.884	GS 11+0	22.298	**0.414**				
	29	2109830.299	518924.162	22.184	GS 11+50	22.474	**0.29**				
	30	2109878.797	518922.542	21.813	GS 12+0	21.85	**0.037**				

Profile 4		Clearing in woods, grass and sparse trees, partially unobscured by ruts									
	3	2130579.82	526526.049	7.604	GS 0+0	7.379	**-0.225**		Average	-0.38	ft
	4	2130579.905	526576.333	8.625	GS 0+50	8.005	**-0.62**		RMSE	0.52	ft
	5	2130580.094	526625.681	8.729	GS 1+0	8.065	**-0.664**		Std Dev	0.36	ft
	6	2130581.279	526676.144	9.277	GS 1+50	8.596	**-0.681**		Max	0.16	ft
	7	2130583.038	526726.173	9.731	GS 2+0	8.925	**-0.806**		Min	-0.91	ft
	8	2130584.493	526776.34	10.088	GS 2+50	9.264	**-0.824**		Count	19	
	9	2130585.251	526826.318	10.472	GS 3+0	9.564	**-0.908**				
	10	2130586.191	526876.402	10.725	GS 3+50	10.13	**-0.595**				
	11	2130588.544	526926.457	11.022	GS 4+0	10.581	**-0.441**		Tile	524128	
	12	2130590.961	526976.491	10.843	GS 4+50	10.791	**-0.052**				
	13	2130595.048	527026.588	10.761	GS 5+0	10.82	**0.059**				
	14	2130598.409	527076.324	10.444	GS 5+50	10.559		**0.115**			
	15	2130600.391	527126.511	10.511	GS 6+0	10.325	**-0.186**				
	16	2130633.93	526783.334	7.09	GS 0+50	7.804		**0.714**			
	17	2130683.472	526790.142	7.101	GS 1+0	7.337		**0.236**			
	18	2130732.759	526796.927	8.154	GS 1+50	7.556	**-0.598**				
	19	2130782.244	526803.512	9.723	GS 2+0	9.879	**0.156**				
	20	2130881.695	526817.577	7.884	GS 3+0	9.014		**1.13**			
	21	2130930.815	526823.982	10.291	GS 3+50	10.235	**-0.056**				
	22	2130980.791	526830.893	11.109	GS 4+0	10.359	**-0.75**				
	23	2131030.081	526837.801	9.153	GS 4+50	9.077	**-0.076**				
	24	2131080.028	526844.895	9.036	GS 5+0	9.32		**0.284**			
	25	2131129.214	526851.488	10.381	GS 5+50	10.476	**0.095**				
	26	2131178.926	526858.651	10.827	GS 6+0	10.749	**-0.078**				
	27	2131219.247	526887.578	10.431	GS 6+50	11.336		**0.905**			
Profile 5		Golf Course, low grass, unobscured									
	4	2150692.578	535870.267	8.738	GS 0+0	8.886	**0.148**		Average	0.15	ft
	5	2150642.798	535874.359	8.367	GS 0+50	8.681	**0.314**		RMSE	0.36	ft
	6	2150593.026	535878.557	8.367	GS 1+0	8.436	**0.069**		Std Dev	0.34	ft
	7	2150543.337	535882.927	11.424	GS 1+50	10.88	**-0.544**		Max	0.94	ft
	8	2150493.514	535886.645	11.1	GS 2+0	11.378	**0.278**		Min	-0.69	ft
	9	2150443.741	535890.742	8.756	GS 2+50	8.996	**0.24**		Count	25	
	10	2150393.919	535894.859	8.054	GS 3+0	8.415	**0.361**				
	11	2150344.144	535898.767	10.46	GS 3+50	9.966	**-0.494**				
	12	2150294.416	535902.549	9.463	GS 4+0	9.768	**0.305**		Tile	532148	
	13	2150244.589	535906.308	8.544	GS 4+50	8.538	**-0.006**				
	14	2150194.797	535910.777	8.95	GS 5+0	9.33	**0.38**				
	15	2150144.986	535914.476	9.86	GS 5+50	9.769	**-0.091**				
	16	2150095.202	535918.723	8.621	GS 6+0	8.998	**0.377**				
	17	2150045.373	535922.603	8.677	GS 6+50	8.884	**0.207**				
	18	2149995.718	535926.634	12.343	GS 7+0	12.375	**0.032**				
	19	2149945.87	535930.784	12.835	GS 7+50	13.094	**0.259**				
	20	2149896.141	535935.335	12.817	GS 8+0	13.757	**0.94**				
	21	2149846.285	535939.434	14.152	GS 8+50	14.455	**0.303**				
	22	2149796.6	535943.122	18.251	GS 9+0	18.507	**0.256**				
	23	2149746.884	535947.442	20.578	GS 9+50	19.893	**-0.685**				
	24	2149697.112	535951.316	18.398	GS 10+0	18.41	**0.012**				
	25	2149647.816	535955.424	11.133	GS 10+50	11.536	**0.403**				
	26	2149598.09	535959.831	8.96	GS 11+0	9.107	**0.147**				
	27	2149548.271	535963.898	8.535	GS 11+50	8.889	**0.354**				
	28	2149498.503	535968.216	8.748	GS 12+0	8.904	**0.156**				

Profile 6		Edge of Pavement, unobscured									
	40	2130437.94	540374.278	8.53	TA 0+0	8.743	**0.213**		Average	-0.13	ft
	41	2130486.471	540362.405	8.898	TA 0+50	9.085	**0.187**		RMSE	0.21	ft
	42	2130535.215	540351.439	9.154	TA 1+0	9.03	**-0.124**		Std Dev	0.17	ft
	43	2130584.028	540340.967	9.068	TA 1+50	9.073	**0.005**		Max	0.21	ft
	44	2130632.777	540330.545	9.038	TA 2+0	8.804	**-0.234**		Min	-0.38	ft
	45	2130681.601	540319.983	8.851	TA 2+50	8.737	**-0.114**		Count	25	
	46	2130730.413	540309.56	8.822	TA 3+0	8.933	**0.111**				
	47	2130779.216	540299.021	8.634	TA 3+50	8.812	**0.178**				
	48	2130828.058	540288.652	8.786	TA 4+0	8.793	**0.007**		Tile	540128	
	49	2130876.854	540278.277	8.782	TA 4+50	8.665	**-0.117**				
	50	2130925.579	540267.74	8.677	TA 5+0	8.519	**-0.158**				
	51	2130974.396	540257.262	8.759	TA 5+50	8.605	**-0.154**				
	52	2131023.27	540246.701	8.803	TA 6+0	8.545	**-0.258**				
	53	2131072.087	540236.142	8.542	TA 6+50	8.436	**-0.106**				
	54	2131120.946	540225.804	8.72	TA 7+0	8.639	**-0.081**				
	55	2131169.712	540215.36	9.084	TA 7+50	8.757	**-0.327**				
	56	2131218.663	540204.966	8.957	TA 8+0	8.83	**-0.127**				
	57	2131267.461	540194.649	8.924	TA 8+50	8.867	**-0.057**				
	58	2131316.261	540184.253	9.125	TA 9+0	8.826	**-0.299**				
	59	2131365.436	540175.422	9.001	TA 9+50	8.625	**-0.376**				
	60	2131414.953	540169.062	8.942	TA 10+0	8.739	**-0.203**				
	61	2131464.744	540164.835	9.108	TA 10+50	**8.926**	**-0.182**				
	62	2131514.56	540162.934	9.034	TA 11+0	**8.714**	**-0.32**				
	63	2131564.372	540163.874	8.947	TA 11+50	**8.62**	**-0.327**				
	64	2131614.224	540167.244	8.936	TA 12+0	**8.584**	**-0.352**				
Profile 7		Low grass off side of road, unobscured, remove point on steep spillway									
	200	2151961.184	518242.9017	13.6825	GS 0+0	**13.2595**	**-0.423**		Average	-0.17	ft
	201	2152011.337	518244.6763	13.3403	GS 0+50	**12.9133**	**-0.427**		RMSE	0.30	ft
	202	2152044.898	518245.5874	12.7344	BC	**12.8234**	**0.089**		Std Dev	0.25	ft
	203	2152046.429	518245.8217	12.2104	TC	**12.8044**		**0.594**	Max	0.37	ft
	204	2152047.941	518245.7522	12.8013	BC	**12.8103**	**0.009**		Min	-0.62	ft
	205	2152061.229	518246.8552	13.7422	GS 1+0	**13.4552**	**-0.287**		Count	38	
	206	2152111.323	518249.1703	14.5384	GS 1+50	**13.9924**	**-0.546**				
	207	2152161.251	518251.2034	14.5994	GS 2+0	**14.2744**	**-0.325**				
	208	2152211.064	518253.1965	14.6044	GS 2+50	**13.9874**	**-0.617**		Tile	516148	
	209	2152246.587	518254.3477	14.1624	BCG	**13.6584**	**-0.504**			516152	
	210	2152247.342	518254.2514	13.6995	FL	**13.6375**	**-0.062**				
	211	2152285.986	518256.3204	13.6071	TA	**13.3861**	**-0.221**				
	212	2152322.656	518256.8889	13.3768	FL	**13.7358**	**0.359**				
	213	2152323.454	518257.0792	13.81	BCG	**13.756**	**-0.054**				
	214	2152360.726	518256.4685	13.8447	GS 4+0	**13.6677**	**-0.177**				
	215	2152410.918	518255.915	13.8419	GS 4+50	**13.5499**	**-0.292**				
	216	2152460.773	518255.9042	14.2488	GS 5+0	**13.9628**	**-0.286**				
	217	2152510.46	518255.3552	14.1324	GS 5+50	**13.8594**	**-0.273**				
	218	2152560.211	518255.0037	14.2911	GS 6+0	**14.2821**	**-0.009**				
	219	2152609.886	518254.2685	14.3186	GS 6+50	**13.8606**	**-0.458**				
	220	2152659.452	518253.4295	14.3984	GS 7+0	**14.0414**	**-0.357**				
	221	2152660.934	518253.5599	14.329	BCG	**14.062**	**-0.267**				
	222	2152661.587	518253.0314	13.9026	FL	**14.0636**	**0.161**				
	223	2152697.324	518251.9099	14.063	TA	**13.87**	**-0.193**				
	224	2152733.058	518252.1278	14.2454	FL	**14.3834**	**0.138**				
	225	2152733.914	518252.2566	14.7199	BCG	**14.3719**	**-0.348**				
	226	2152759.496	518252.6345	14.8008	GS 8+0	**14.7688**	**-0.032**				
	227	2152809.72	518252.1873	14.568	GS 8+50	**14.934**	**0.366**				
	228	2152859.83	518252.2738	14.8139	GS 9+0	**14.8799**	**0.066**				
	229	2152909.742	518252.3591	14.7671	GS 9+50	**14.7291**	**-0.038**				
	230	2152959.694	518252.5582	14.5845	GS 10+0	**14.1425**	**-0.442**				
	231	2153009.661	518252.6019	14.2865	GS 10+50	**13.9825**	**-0.304**				
	232	2153059.525	518252.9507	14.1259	GS 11+0	**14.0169**	**-0.109**				
	233	2153104.845	518253.2189	13.6582	BCG	**13.1872**	**-0.471**				
	234	2153105.671	518253.1034	13.199	FL	**13.175**	**-0.024**				
	235	2153121.163	518253.2683	13.2919	CLR	**13.1989**	**-0.093**				
	236	2153133.8	518253.4612	13.0437	FL	**13.2777**	**0.234**				
	237	2153134.345	518253.4188	13.4457	BCG	**13.2777**	**-0.168**				
	238	2153159.604	518253.47	13.5368	GS 12+0	**13.6078**	**0.071**				

AREA 5											
Profile 1		Dirt road, unobscured, 1 pt in rut, other pts is bl									
	5	2000428.607	514812.14	30.358	CLR0+0	30.452	**0.094**		Average	-0.08	ft
	6	2000429.791	514762.332	30.589	CLR0+50	30.436	**-0.153**		RMSE	0.21	ft
	7	2000431.262	514712.476	30.626	CLR1+0	30.33	**-0.296**		Std Dev	0.20	ft
	8	2000432.507	514662.597	30.571	CLR1+50	30.33	**-0.241**		Max	0.24	ft
	9	2000434.059	514612.54	30.812	CLR2+0	30.329	**-0.483**		Min	-0.48	ft
	10	2000435.112	514562.987	30.542	CLR2+50	30.42	**-0.122**		Count	24	
	11	2000436.328	514512.987	30.418	CLR3+0	30.404	**-0.014**				
	12	2000437.351	514462.987	30.157	CLR3+50	29.875	**-0.282**				
	13	2000438.24	514413.156	30.016	CLR4+0	29.683	**-0.333**		Tile	512000	
	14	2000427.032	514861.766	30.468	CLR-0+50	30.512	**0.044**				
	15	2000425.707	514911.899	30.737	CLR-1+0	30.54	**-0.197**				
	16	2000424.75	514961.875	30.74	CLR-1+50	30.595	**-0.145**				
	17	2000423.618	515011.81	30.973	CLR-2+0	30.691	**-0.282**				
	18	2000422.962	515061.585	31.06	CLR-2+50	30.743	**-0.317**				
	19	2000421.828	515111.52	30.78	CLR-3+0	30.753	**-0.027**				
	20	2000419.972	515161.502	30.844	CLR-3+50	31.087	**0.243**				
	21	2000417.807	515211.563	31.321	CLR-4+0	31.557	**0.236**				
	22	2000415.281	515261.502	31.291	CLR-4+50	31.533	**0.242**				
	23	2000411.878	515311.259	31.442	CLR-5+0	31.373	**-0.069**				
	24	2000408.166	515361.19	30.744	CLR-5+50	31.236		**0.492**			
	25	2000406.216	515411.212	30.689	CLR-6+0	30.752	**0.063**				
	26	2000404.96	515461.349	30.728	CLR-6+50	30.746	**0.018**				
	27	2000405.27	515511.366	30.533	CLR-7+0	30.603	**0.07**				
	28	2000406.147	515561.413	30.547	CLR-7+50	30.698	**0.151**				
	29	2000406.44	515611.554	30.853	CLR-8+0	30.761	**-0.092**				
Profile 2		Farm field, cultivated, low/med vegetation, partially obscured by ruts									
	5	2017786.933	515374.057	32.68	GS0+0	32.232	**-0.448**		Average	-0.16	ft
	6	2017833.017	515393.326	32.171	GS0+50	31.837	**-0.334**		RMSE	0.33	ft
	7	2017879.276	515412.771	32.056	GS1+0	31.512	**-0.544**		Std Dev	0.30	ft
	8	2017925.601	515432.619	31.942	GS1+50	31.705	**-0.237**		Max	0.39	ft
	9	2017971.93	515450.547	32.022	GS2+0	31.706	**-0.316**		Min	-0.54	ft
	10	2018017.82	515470.514	31.985	GS2+50	31.624	**-0.361**		Count	13	
	11	2018064.302	515489.236	31.691	GS3+0	31.88		**0.189**			
	12	2018110.076	515507.955	32.819	GS3+50	32.508	**-0.311**				
	13	2018156.56	515527.022	32.748	GS4+0	32.534	**-0.214**		Tile	512016	
	14	2018201.827	515548.339	32.165	GS4+50	32.118	**-0.047**				
	15	2018247.863	515567.03	31.783	GS5+0	32.044		**0.261**			
	16	2018294.202	515586.583	32.039	GS5+50	31.772	**-0.267**				
	17	2018340.555	515605.459	31.697	GS6+0	31.868	**0.171**				
	18	2017740.764	515388.946	31.507	GS-0+50	31.947		**0.44**			
	19	2017693.586	515404.299	32.062	GS-1+0	31.491		**-0.571**			
	20	2017645.835	515420.792	30.891	GS-1+50	31.408		**0.517**			
	21	2017598.396	515436.41	30.906	GS-2+0	31.297	**0.391**				
	22	2017550.802	515452.274	31.038	GS-2+50	31.429	**0.391**				
	23	2017503.436	515467.706	32.371	GS-3+0	31.481		**-0.89**			
	24	2017455.605	515482.859	31.077	GS-3+50	31.537		**0.46**			
	25	2017407.84	515498.068	31.624	GS-4+0	31.408		**-0.216**			
	26	2017360.409	515512.891	31.307	GS-4+50	31.387		**0.08**			
	27	2017313.285	515530.375	31.37	GS-5+0	31.568		**0.198**			
	28	2017265.478	515544.552	32.532	GS-5+50	32.13		**-0.402**			
	29	2017217.92	515559.889	31.85	GS-6+0	32.23		**0.38**			
Profile 3		Edge of hard surface road, unobscured									
	200	2005188.162	488579.6719	14.8997	EP 0+00	14.3837	**-0.516**		Average	-0.52	ft
	201	2005207.146	488626.0586	14.8673	EP 0+50	14.4223	**-0.445**		RMSE	0.54	ft
	202	2005226.092	488672.2177	14.9225	EP 1+00	14.4865	**-0.436**		Std Dev	0.16	ft
	203	2005244.932	488718.5348	14.826	EP 1+50	14.326	**-0.5**		Max	-0.20	ft
	204	2005263.627	488764.8372	14.6984	EP 2+00	14.1264	**-0.572**		Min	-0.75	ft
	205	2005282.361	488811.2435	14.6053	EP 2+50	14.0843	**-0.521**		Count	25	
	206	2005301.125	488857.5001	14.5886	EP 3+00	14.1276	**-0.461**				
	207	2005319.917	488903.784	14.5299	EP 3+50	14.1209	**-0.409**				
	208	2005338.772	488949.9291	14.5338	EP 4+00	14.0978	**-0.436**		Tile	488004	
	209	2005357.658	488996.1468	14.544	EP 4+50	14.052	**-0.492**				
	210	2005376.421	489042.3936	14.4562	EP 5+00	13.9882	**-0.468**				
	211	2005395.1	489088.7182	14.25	EP 5+50	13.954	**-0.296**				
	212	2005413.725	489135.0425	14.1446	EP 6+00	13.9476	**-0.197**				
	213	2005432.665	489181.2767	14.1433	EP 6+50	13.7173	**-0.426**				
	214	2005451.504	489227.5093	14.0491	EP 7+00	13.6321	**-0.417**				
	215	2005470.353	489273.8241	13.9991	EP 7+50	13.5041	**-0.495**				
	216	2005489.078	489319.9736	13.9342	EP 8+00	13.3232	**-0.611**				
	217	2005507.903	489366.211	13.9524	EP 8+50	13.2524	**-0.7**				
	218	2005526.78	489412.4263	14.0014	EP 9+00	13.2514	**-0.75**				
	219	2005545.838	489458.5871	13.985	EP 9+50	13.305	**-0.68**				
	220	2005564.524	489504.8389	13.9755	EP 10+00	13.7545	**-0.221**				
	221	2005583.304	489551.1589	13.991	EP 10+50	13.252	**-0.739**				
	222	2005601.805	489597.5738	14.0343	EP 11+00	13.2853	**-0.749**				
	223	2005620.507	489643.861	14.0148	EP 11+50	13.3208	**-0.694**				
	224	2005639.084	489690.1565	14.0542	EP 12+00	13.3422	**-0.712**				

Profile 4		Dense trees, obscured									
	200	2030445.053	475567.9296	7.1679	TS	6.9299		**-0.238**	Average	0.18	ft
	201	2030445.031	475572.7104	11.8071	TB	11.1591		**-0.648**	RMSE	0.74	ft
	202	2030444.994	475580.6995	12.5156	COS	11.5566		**-0.959**	Std Dev	0.73	ft
	203	2030444.963	475587.4336	13.7568	TB	11.4808		**-2.276**	Max	1.31	ft
	204	2030444.922	475596.3431	10.7346	TS0+0	11.6456		**0.911**	Min	-2.28	ft
	205	2030444.641	475646.1812	11.2312	GS0+50	11.2412		**0.01**	Count	30	
	206	2030444.398	475696.2119	11.0302	GS1+0	10.8632		**-0.167**			
	207	2030443.555	475745.8956	11.6619	GS1+50	10.8849		**-0.777**			
	208	2030440.452	475795.9677	11.2477	GS2+0	10.9917		**-0.256**	Tile	472028	
	209	2030437.095	475846.233	10.6776	GS2+50	10.7976		**0.12**		476028	
	210	2030503.977	475750.6187	11.6818	TAID5-5A	11.3618		**-0.32**			
	211	2030434.282	475900.9716	10.5744	GS3+05	10.6664		**0.092**			
	212	2030433.845	475946.0908	11.4197	GS3+50	11.2857		**-0.134**			
	213	2030433.36	475996.2325	11.2359	GS4+0	11.6479		**0.412**			
	214	2030432.875	476046.3832	10.4424	GS4+50	10.9014		**0.459**			
	215	2030432.392	476096.3818	10.4317	GS5+0	10.8747		**0.443**			
	216	2030438.794	476145.4102	10.491	GS5+50	10.636		**0.145**			
	217	2030450.884	476194.2774	10.4684	GS6+0	10.6464		**0.178**			
	218	2030462.836	476242.5832	10.6002	GS6+50	11.0112		**0.411**			
	219	2030474.831	476291.0611	10.3426	GS7+0	10.8726		**0.53**			
	220	2030486.839	476339.5985	10.1362	GS7+50	11.0852		**0.949**			
	221	2030498.971	476388.6347	10.2607	GS8+0	11.4497		**1.189**			
	222	2030507.545	476436.4113	10.2519	GS8+50	10.9239		**0.672**			
	223	2030507.6	476485.9818	10.0017	GS9+0	10.7017		**0.7**			
	224	2030507.657	476536.0685	9.511	GS9+50	10.821		**1.31**			
	225	2030507.714	476586.0451	10.2103	GS10+0	11.3243		**1.114**			
	226	2030507.77	476636.1385	10.1803	GS10+50	10.3103		**0.13**			
	227	2030507.827	476685.6805	10.1812	GS11+0	10.7462		**0.565**			
	228	2030507.884	476736.0683	9.8538	GS11+50	10.6008		**0.747**			
	229	2030507.939	476785.9684	9.8827	GS12+0	10.0687		**0.186**			
Profile 5		unobscured along edge of field									
	200	2045493.179	476492.3119	10.0187	GS 0+0	10.5017	**0.483**		Average	0.32	ft
	201	2045542.965	476491.6685	9.9563	GS 0+50	10.1103	**0.154**		RMSE	0.38	ft
	202	2045593.264	476490.7529	9.9689	GS 1+0	10.0359	**0.067**		Std Dev	0.20	ft
	203	2045643.325	476490.01	9.8139	GS 1+50	9.8979	**0.084**		Max	0.72	ft
	204	2045692.716	476489.2067	9.7116	GS 2+0	9.7116	**0**		Min	0.00	ft
	205	2045742.527	476488.2149	9.6622	GS 2+50	9.7332	**0.071**		Count	25	
	206	2045792.643	476487.8222	9.3651	GS 3+0	9.5461	**0.181**				
	207	2045842.613	476486.7772	9.3347	GS 3+50	9.4877	**0.153**				
	208	2045892.25	476485.8093	9.0571	GS 4+0	9.3541	**0.297**		Tile	476044	
	209	2045942.117	476484.9074	9.2268	GS 4+50	9.3568	**0.13**				
	210	2045992.174	476484.0838	9.1255	GS 5+0	9.4255	**0.3**				
	211	2046041.966	476483.0318	9.1517	GS 5+50	9.3307	**0.179**				
	212	2046091.826	476482.4015	9.0793	GS 6+0	9.2903	**0.211**				
	213	2046141.558	476481.3937	8.8838	GS 6+50	9.2618	**0.378**				
	214	2046191.647	476480.6238	8.9001	GS 7+0	9.2321	**0.332**				
	215	2046241.207	476479.6182	8.9258	GS 7+50	9.1938	**0.268**				
	216	2046291.201	476478.8566	9.2703	GS 8+0	9.9723	**0.702**				
	217	2046290.715	476429.1406	8.7304	GS 8+50	9.1594	**0.429**				
	218	2046290.184	476378.742	8.5146	GS 9+0	9.0196	**0.505**				
	219	2046289.51	476329.0946	8.1534	GS 9+50	8.8774	**0.724**				
	220	2046288.82	476278.8278	8.2452	GS 10+0	8.9332	**0.688**				
	221	2046288.318	476229.031	8.2447	GS 10+50	8.6677	**0.423**				
	222	2046287.61	476179.2534	8.023	GS 11+0	8.411	**0.388**				
	223	2046286.797	476129.1184	7.9638	GS 11+50	8.4088	**0.445**				
	224	2046286.079	476079.2849	7.9215	GS 12+0	8.3745	**0.453**				

Profile 6	Golf Course, unobscured, 3 points located on edge of hill (need to verify 10 and 22)									
4	2077156.051	483049.716	31.829	GS0+0	31.634	**-0.195**			Average	0.25 ft
5	2077108.501	483064.823	28.892	GS0+50	29.45	**0.558**			RMSE	0.39 ft
6	2077060.922	483080.05	27.04	GS1+0	27.603	**0.563**			Std Dev	0.31 ft
7	2077013.054	483095.442	25.338	GS1+50	25.668	**0.33**			Max	0.79 ft
8	2076965.546	483110.563	23.633	GS2+0	23.738	**0.105**			Min	-0.30 ft
9	2076917.787	483125.77	24.859	GS2+50	24.899	**0.04**			Count	22
10	2076870.428	483141.092	27.654	GS3+0	27.365		**-0.289**			
11	2076822.783	483156.257	26.525	GS3+50	26.463	**-0.062**				
12	2076775.15	483171.529	25.992	GS4+0	26.018	**0.026**			Tile	480072
13	2076727.608	483186.556	27.977	GS4+50	27.444		**-0.533**			480076
14	2076679.895	483201.587	25.326	GS5+0	25.62	**0.294**				
15	2076632.133	483216.676	24.801	GS5+50	24.619	**-0.182**				
16	2076584.505	483231.931	24.065	GS6+0	24.207	**0.142**				
17	2076534.896	483236.95	24.409	GS6+50	24.214	**-0.195**				
18	2076485.018	483242.258	23.748	GS7+0	24.208	**0.46**				
19	2076435.392	483247.65	26.667	GS7+50	26.366	**-0.301**				
20	2076385.746	483253.277	23.938	GS8+0	24.448	**0.51**				
21	2076335.986	483258.604	23.511	GS8+50	23.941	**0.43**				
22	2076286.309	483263.568	27.633	GS9+0	27.147		**-0.486**			
23	2076236.472	483268.84	28.293	GS9+50	28.55	**0.257**				
24	2076186.807	483273.907	26.984	GS10+0	27.252	**0.268**				
25	2076138.349	483284.732	23.755	GS10+50	24.488	**0.733**				
26	2076089.266	483295.824	23.937	GS11+0	24.355	**0.418**				
27	2076040.63	483307.234	23.937	GS11+50	24.731	**0.794**				
28	2075991.849	483318.386	25.615	GS12+0	26.016	**0.401**				
Profile 7 GPS	2D points									
4	2078110.969	462227.913	27.118	SNDSJC	outside	**outside**			Average	-0.19 ft
5	2077301.104	461961.031	30.66	FNDPCPLB6	30.135	**-0.525**			RMSE	0.27 ft
6	2077421.847	462669.633	33.401	TA5-14ID	33.231	**-0.17**			Std Dev	0.21 ft
7	2077237.192	463003.656	33.607	CC5-15ID	33.364	**-0.243**			Max	0.01 ft
8	2077053.275	463571.92	33.027	CC5-17ID	32.997	**-0.03**			Min	-0.53 ft
9	2076577.26	463154.146	33.126	CC5-16ID	33.135	**0.009**			Count	5
10	2087859.843	451868.786	24.233	FIR03-4WO(	outside	**outside**				
Profile 7 line	Scrub, sparse trees, obscured, 1.5 to 2 ft underbrush and 10ft trees									
200	2077294.329	461930.7194	30.1025	EP	29.7745		**-0.328**	Average	0.50 ft	
201	2077289.447	461908.8741	28.6032	GS 0+0	28.9662		**0.363**	RMSE	0.67 ft	
202	2077287.524	461900.2687	28.3969	TL	28.5429		**0.146**	Std Dev	0.45 ft	
203	2077278.651	461860.5712	27.8062	GS 0+50	29.3332		**1.527**	Max	1.57 ft	
204	2077267.727	461811.6943	27.5191	GS 1+0	28.3631		**0.844**	Min	-0.33 ft	
205	2077256.815	461762.8701	27.9019	GS 1+50	28.6239		**0.722**	Count	27	
206	2077245.836	461713.7571	28.3292	GS 2+0	28.8742		**0.545**			
207	2077234.988	461665.2119	28.7429	GS 2+50	28.6689		**-0.074**			
208	2077224.077	461616.3959	28.7592	GS 3+0	28.7672		**0.008**	Tile	460076	
209	2077213.143	461567.4841	28.3911	GS 3+50	28.9611		**0.57**			
210	2077202.296	461518.9409	28.4244	GS 4+0	28.3584		**-0.066**			
211	2077191.451	461470.4176	28.4966	GS 4+50	29.1536		**0.657**			
212	2077180.489	461421.3873	28.6841	GS 5+0	28.8871		**0.203**			
213	2077169.645	461372.8669	27.7753	GS 5+50	28.4563		**0.681**			
214	2077158.733	461324.032	27.4359	GS 6+0	28.2619		**0.826**			
215	2077148.018	461275.9015	27.2772	GS 6+50	27.3432		**0.066**			
216	2077137.014	461226.6541	26.9999	GS 7+0	27.5119		**0.512**			
217	2077126.094	461177.7815	27.6897	GS 7+50	28.1847		**0.495**			
218	2077115.191	461128.9829	27.286	GS 8+0	28.392		**1.106**			
219	2077104.227	461079.9162	28.2488	GS 8+50	28.3158		**0.067**			
220	2077093.376	461031.3522	28.0597	GS 9+0	29.6277		**1.568**			
221	2077082.46	460982.4971	28.2024	GS 9+50	28.7804		**0.578**			
222	2077071.539	460933.6199	27.3284	GS 10+0	28.2104		**0.882**			
223	2077060.732	460885.2523	27.1726	GS 10+50	27.6416		**0.469**			
224	2077049.773	460836.2023	27.6164	GS 11+0	28.1344		**0.518**			
225	2077038.865	460787.3856	27.3063	GS 11+50	27.4423		**0.136**			
226	2077027.821	460737.9439	27.1957	GS 12+0	27.7337		**0.538**			

Profile 8	Hard surfaced road, unobscured										
	4	2085108.908	448074.764	14.265	TA0+0	14.172	**-0.093**		Average	-0.17	ft
	5	2085142.842	448111.534	13.76	TA0+50	13.932	**0.172**		RMSE	0.32	ft
	6	2085176.464	448148.385	13.67	TA1+0	13.725	**0.055**		Std Dev	0.27	ft
	7	2085210.471	448184.963	13.782	TA1+50	13.932	**0.15**		Max	0.17	ft
	8	2085244.267	448221.834	14.053	TA2+0	14.049	**-0.004**		Min	-0.81	ft
	9	2085278.091	448258.678	14.227	TA2+50	14.166	**-0.061**		Count	26	
	10	2085310.651	448296.633	14.258	TA3+0	14.291	**0.033**				
	11	2085343.464	448334.239	14.093	TA3+50	14.125	**0.032**				
	12	2085376.307	448371.702	14.306	TA4+0	14.016	**-0.29**		Tile	448084	
	13	2085409.598	448409.109	14.645	TA4+50	14.025	**-0.62**				
	14	2085442.741	448446.655	14.909	TA5+0	14.1	**-0.809**				
	15	2085476.112	448483.99	14.812	TA5+50	14.207	**-0.605**				
	16	2085509.452	448521.394	15.04	TA6+0	14.36	**-0.68**				
	17	2085543.075	448558.619	14.904	TA6+50	14.492	**-0.412**				
	18	2085576.352	448596.017	14.954	TA7+0	14.593	**-0.361**				
	19	2085610.199	448633.094	15.138	TA7+50	15.214	**0.076**				
	20	2085643.54	448670.461	15.499	TA8+0	15.551	**0.052**				
	21	2085677.22	448707.657	15.746	TA8+50	15.647	**-0.099**				
	22	2085711.599	448743.994	16.111	TA9+0	16.191	**0.08**				
	23	2085772.233	448755.902	16.358	TA9+50	16.407	**0.049**				
	24	2085806.787	448793.498	16.835	TA10+0	16.893	**0.058**				
	25	2085840.441	448830.553	17.336	TA10+50	17.217	**-0.119**				
	26	2085873.58	448868.525	17.809	TA11+0	17.63	**-0.179**				
	27	2085905.791	448906.836	18.355	TA11+50	18.061	**-0.294**				
	28	2085938.377	448944.519	18.793	TA12+0	18.574	**-0.219**				
	29	2085971.211	448982.334	19.408	TA12+50	19.119	**-0.289**				
Profile 9	Dirt road, unobscured, 1 pt located in rut										
	4	2092074.012	477149.658	20.56	CLR 0+0	20.107	**-0.453**		Average	-0.02	ft
	5	2092107.063	477187.686	20.407	CLR 0+50	20.074	**-0.333**		RMSE	0.29	ft
	6	2092138.719	477226.043	20.587	CLR 1+0	20.191	**-0.396**		Std Dev	0.29	ft
	7	2092169.365	477265.854	20.831	CLR 1+50	20.401	**-0.43**		Max	0.36	ft
	8	2092198.156	477307.217	21	CLR 2+0	20.735	**-0.265**		Min	-0.51	ft
	9	2092223.099	477351.555	21.161	CLR 2+50	20.647	**-0.514**		Count	24	
	10	2092240.583	477398.823	21.035	CLR 3+0	20.626	**-0.409**				
	11	2092251.205	477448.142	21.033	CLR 3+50	20.601	**-0.432**				
	12	2092255.031	477498.351	21.055	CLR 4+0	21.133	**0.078**		Tile	476092	
	13	2092254.309	477548.553	20.882	CLR 4+50	21.013	**0.131**				
	14	2092253.064	477598.547	20.884	CLR 5+0	20.908	**0.024**				
	15	2092251.629	477648.498	20.852	CLR 5+50	20.894	**0.042**				
	16	2092250.525	477698.627	20.327	CLR 6+0	20.883		**0.556**			
	17	2092249.435	477748.475	20.517	CLR 6+50	20.869	**0.352**				
	18	2092248.548	477798.37	20.644	CLR 7+0	20.83	**0.186**				
	19	2092247.369	477848.326	20.529	CLR 7+50	20.711	**0.182**				
	20	2092247.374	477898.412	20.377	CLR 8+0	20.631	**0.254**				
	21	2092249.066	477948.573	20.28	CLR 8+50	20.469	**0.189**				
	22	2092250.73	477998.757	20.03	CLR 9+0	20.325	**0.295**				
	23	2092248.277	478048.587	20.329	CLR 9+50	20.421	**0.092**				
	24	2092245.527	478098.571	20.291	CLR 10+0	20.34	**0.049**				
	25	2092243.624	478148.26	19.935	CLR 10+50	20.116	**0.181**				
	26	2092241.817	478198.171	19.748	CLR 11+0	19.876	**0.128**				
	27	2092240.328	478248.42	19.408	CLR 11+50	19.768	**0.36**				
	28	2092240.768	478298.412	19.655	CLI 12+0	19.77	**0.115**				
Profile 10	Urban road, partially obscured by trees, 3 pts do not fit ground										
	3	2105292.622	456587.55	8.794	CLR0+0	8.822	**0.028**		Average	-0.08	ft
	4	2105324.758	456626.356	8.981	CLR0+50	8.647		**-0.334**	RMSE	0.30	ft
	5	2105356.406	456665.37	9.21	CLR1+0	8.532		**-0.678**	Std Dev	0.30	ft
	6	2105387.38	456704.292	9.042	CLR1+50	8.394		**-0.648**	Max	0.57	ft
	7	2105419.05	456743	8.656	CLR2+0	8.226	**-0.43**		Min	-0.63	ft
	8	2105450.657	456782.087	8.188	CLR2+50	8.04	**-0.148**		Count	22	
	9	2105482.221	456820.866	7.736	CLR3+0	7.815	**0.079**				
	10	2105513.75	456859.675	7.366	CLR3+50	7.707	**0.341**				
	11	2105545.478	456898.792	7.824	CLR4+0	7.704	**-0.12**		Tile	456104	
	12	2105577.048	456937.593	7.289	CLR4+50	7.689	**0.4**				
	13	2105608.42	456976.618	7.11	CLR5+0	7.683	**0.573**				
	14	2105640.266	457015.312	7.545	CLR5+50	7.586	**0.041**				
	15	2105671.662	457054.08	7.31	CLR6+0	7.53	**0.22**				
	16	2105703.701	457092.795	7.602	CLR6+50	7.483	**-0.119**				
	17	2105734.711	457131.834	7.481	CLR7+0	7.353	**-0.128**				
	18	2105766.057	457170.809	7.31	CLR7+50	7.246	**-0.064**				
	19	2105796.8	457209.888	7.065	CLR8+0	7.148	**0.083**				
	20	2105828.894	457248.741	7.384	CLR8+50	7.092	**-0.292**				
	21	2105860.154	457287.64	7.584	CLR9+0	7.103	**-0.481**				
	22	2105891.703	457326.577	7.196	CLR9+50	7.096	**-0.1**				
	23	2105923.101	457365.583	7.31	CLR10+0	7.116	**-0.194**				
	24	2105953.938	457404.817	7.319	CLR10+50	7.17	**-0.149**				
	25	2105985.199	457444.17	7.888	CLR11+0	7.258	**-0.63**				
	26	2106015.921	457483.727	7.716	CLR11+50	7.359	**-0.357**				
	27	2106046.639	457523.182	7.859	CLR12+0	7.466	**-0.393**				

AREA 6									
Profile 1	Edge of Pavement, unobscured								
4	2073852.5	552642.84	14.899	TA 0+0	14.808	**-0.091**		Average	0.11 ft
5	2073901.311	552632.084	15.036	TA 0+50	14.845	**-0.191**		RMSE	0.19 ft
6	2073950.279	552621.502	14.923	TA 1+0	14.879	**-0.044**		Std Dev	0.15 ft
7	2073999.227	552610.786	14.84	TA 1+50	14.954	**0.114**		Max	0.43 ft
8	2074048.134	552599.952	14.964	TA 2+0	15.026	**0.062**		Min	-0.19 ft
9	2074097.055	552589.112	14.999	TA 2+50	15.076	**0.077**		Count	25
10	2074146.029	552578.351	14.806	TA 3+0	15.024	**0.218**			
11	2074194.908	552567.616	14.698	TA 3+50	14.883	**0.185**			
12	2074243.883	552556.907	14.777	TA 4+0	14.739	**-0.038**		Tile	552072
13	2074292.875	552546.326	14.875	TA 4+50	14.7	**-0.175**			
14	2074341.876	552535.771	14.695	TA 5+0	14.755	**0.06**			
15	2074390.795	552524.889	14.566	TA 5+50	14.758	**0.192**			
16	2074439.673	552514.312	14.367	TA 6+0	14.691	**0.324**			
17	2074488.575	552503.7	14.389	TA 6+50	14.57	**0.181**			
18	2074537.508	552492.975	14.295	TA 7+0	14.457	**0.162**			
19	2074586.386	552482.156	14.224	TA 7+50	14.393	**0.169**			
20	2074635.381	552471.412	14.297	TA 8+0	14.374	**0.077**			
21	2074684.401	552460.645	14.156	TA 8+50	14.38	**0.224**			
22	2074733.355	552449.822	14.337	TA 9+0	14.364	**0.027**			
23	2074782.274	552439.1	14.471	TA 9+50	14.417	**-0.054**			
24	2074831.267	552428.345	14.322	TA 10+0	14.472	**0.15**			
25	2074880.125	552417.631	14.093	TA 10+50	14.52	**0.427**			
26	2074929.073	552406.831	14.014	TA 11+0	14.353	**0.339**			
27	2074977.947	552396.159	14.04	TA 11+50	14.3	**0.26**			
28	2075026.818	552385.402	14.203	TA 12+0	14.229	**0.026**			
Profile 2	Edge of Pavement, unobscured								
31	2054574.112	556815.293	17.666	TA 0+0	17.391	**-0.275**		Average	-0.10 ft
32	2054622.954	556804.554	17.704	TA 0+50	17.373	**-0.331**		RMSE	0.14 ft
33	2054672.014	556793.915	17.512	TA 1+0	17.503	**-0.009**		Std Dev	0.09 ft
34	2054720.871	556783.049	17.534	TA 1+50	17.444	**-0.09**		Max	0.04 ft
35	2054769.731	556771.993	17.608	TA 2+0	17.504	**-0.104**		Min	-0.33 ft
36	2054818.618	556761.068	17.779	TA 2+50	17.623	**-0.156**		Count	25
37	2054867.573	556750.224	17.716	TA 3+0	17.69	**-0.026**			
38	2054916.525	556739.446	17.81	TA 3+50	17.731	**-0.079**			
39	2054965.477	556728.788	17.698	TA 4+0	17.643	**-0.055**		Tile	556052
40	2055014.515	556717.82	17.745	TA 4+50	17.766	**0.021**			
41	2055063.414	556707.23	17.571	TA 5+0	17.437	**-0.134**			
42	2055112.31	556696.382	17.567	TA 5+50	17.467	**-0.1**			
43	2055161.158	556685.491	17.604	TA 6+0	17.454	**-0.15**			
44	2055210.04	556674.769	17.586	TA 6+50	17.476	**-0.11**			
45	2055259.033	556663.902	17.35	TA 7+0	17.225	**-0.125**			
46	2055307.871	556653.076	17.334	TA 7+50	17.172	**-0.162**			
47	2055356.835	556642.256	17.09	TA 8+0	16.969	**-0.121**			
48	2055405.927	556631.471	16.967	TA 8+50	16.804	**-0.163**			
49	2055454.761	556620.672	16.822	TA 9+0	16.609	**-0.213**			
50	2055503.919	556609.989	16.737	TA 9+50	16.78	**0.043**			
51	2055552.814	556599.034	16.656	TA 10+0	16.597	**-0.059**			
52	2055601.853	556588.252	16.529	TA 10+50	16.455	**-0.074**			
53	2055650.805	556577.468	16.317	TA 11+0	16.337	**0.02**			
54	2055699.735	556566.726	16.221	TA 11+50	16.101	**-0.12**			
55	2055748.651	556556.112	16.104	TA 12+0	16.067	**-0.037**			
profile 3	Edge of pavement, unobscured								
200	2099883.185	547422.6673	16.4688	TA0+0	16.2208	**-0.248**		Average	-0.16 ft
201	2099932.161	547412.1994	16.6919	TA0+50	16.4689	**-0.223**		RMSE	0.18 ft
202	2099981.023	547401.6872	17.066	TA1+0	16.937	**-0.129**		Std Dev	0.08 ft
203	2100029.915	547391.1213	17.6115	TA1+50	17.4255	**-0.186**		Max	0.02 ft
204	2100078.884	547380.6205	17.8519	TA2+0	17.6919	**-0.16**		Min	-0.36 ft
205	2100127.884	547370.3374	18.1245	TA2+50	18.1475	**0.023**		Count	25
206	2100176.856	547359.9254	18.6151	TA3+0	18.4191	**-0.196**			
207	2100225.839	547349.5418	18.8646	TA3+50	18.6626	**-0.202**			
208	2100274.805	547339.0637	19.0258	TA4+0	18.8228	**-0.203**		Tile	544096
209	2100323.778	547328.6522	19.1933	TA4+50	19.0293	**-0.164**			544100
210	2100372.714	547318.153	19.6288	TA5+0	19.2738	**-0.355**			
211	2100421.618	547307.6226	19.6787	TA5+50	19.4407	**-0.238**			
212	2100470.56	547297.0483	19.8199	TA6+0	19.5999	**-0.22**			
213	2100519.459	547286.2545	19.9041	TA6+50	19.6691	**-0.235**			
214	2100568.356	547275.5165	19.7864	TA7+0	19.6544	**-0.132**			
215	2100617.297	547264.8803	19.865	TA7+50	19.611	**-0.254**			
216	2100666.187	547254.3074	19.7794	TA8+0	19.6544	**-0.125**			
217	2100715.092	547243.6412	19.6586	TA8+50	19.5506	**-0.108**			
218	2100764.028	547232.85	19.8765	TA9+0	19.6485	**-0.228**			
219	2100812.866	547222.096	19.7542	TA9+50	19.6272	**-0.127**			
220	2100861.81	547211.3742	19.5009	TA10+0	19.4429	**-0.058**			
221	2100910.633	547200.5628	19.2396	TA10+50	19.1956	**-0.044**			
222	2100959.525	547189.7937	19.2971	TA11+0	19.2131	**-0.084**			
223	2101008.452	547179.1962	19.3672	TA11+50	19.2082	**-0.159**			
224	2101057.401	547168.6079	19.3058	TA12+0	19.2578	**-0.048**			

profile 4		Farm field, low crops, crops 3ft tall, obscured									
	4	2086266.746	527441.232	30.996	GS 0+0	31.416		**0.42**	Average	0.35	ft
	5	2086220.72	527461.038	30.742	GS 0+50	30.808		**0.066**	RMSE	0.48	ft
	6	2086174.448	527480.384	30.282	GS 1+0	30.517		**0.235**	Std Dev	0.34	ft
	7	2086128.29	527499.535	29.803	GS 1+50	30.67		**0.867**	Max	0.93	ft
	8	2086083.627	527521.386	29.714	GS 2+0	30.477		**0.763**	Min	-0.25	ft
	9	2086040.136	527546.37	29.979	GS 2+50	30.039		**0.06**	Count	25	
	10	2086001.763	527578.257	29.003	GS 3+0	29.931		**0.928**			
	11	2085964.524	527611.68	29.426	GS 3+50	29.773		**0.347**			
	12	2085922.75	527639.302	29.885	GS 4+0	29.698		**-0.187**	Tile	524084	
	13	2085883.071	527669.508	29.141	GS 4+50	29.59		**0.449**		528084	
	14	2085846.367	527703.659	28.674	GS 5+0	29.186		**0.512**			
	15	2085803.974	527731.414	28.441	GS 5+50	29.178		**0.737**			
	16	2085765.147	527763.23	28.385	GS 6+0	28.714		**0.329**			
	17	2085732.672	527799.572	27.51	GS 6+50	28.197		**0.687**			
	18	2085702.654	527840.244	28.637	GS 7+0	28.542		**-0.095**			
	19	2085684.509	527886.5	28.079	GS 7+50	28.499		**0.42**			
	20	2085664.137	527931.847	27.943	GS 8+0	28.207		**0.264**			
	21	2085643.826	527977.598	28	GS 8+50	28.316		**0.316**			
	22	2085627.195	528024.025	27.539	GS 9+0	27.965		**0.426**			
	23	2085602.238	528067.475	27.258	GS 9+50	27.725		**0.467**			
	24	2085576.331	528110.09	27.392	GS 10+0	28.011		**0.619**			
	25	2085547.443	528151.271	27.648	GS 10+50	28.334		**0.686**			
	26	2085510.978	528184.827	27.642	GS 11+0	27.391		**-0.251**			
	27	2085471.172	528215.114	27.043	GS 11+50	26.88		**-0.163**			
	28	2085429.099	528241.187	26.868	GS 12+0	26.839		**-0.029**			
Profile 5		Dirt road, unobscured, last 2 points are floating above ground									
	4	2065110.133	542308.49	3.597	GS0+0	3.67	**0.073**		Average	0.11	ft
	5	2065060.846	542317.378	3.353	GS0+50	3.619	**0.266**		RMSE	0.22	ft
	6	2065011.132	542322.147	3.363	GS1+0	3.642	**0.279**		Std Dev	0.20	ft
	7	2064961.33	542326.587	3.448	GS1+50	3.711	**0.263**		Max	0.33	ft
	8	2064911.506	542330.624	3.659	GS2+0	3.824	**0.165**		Min	-0.55	ft
	9	2064861.61	542335.554	3.618	GS2+50	3.907	**0.289**		Count	24	
	10	2064812.229	542340.002	4.477	GS3+0	3.924	**-0.553**				
	11	2064762.01	542344.046	3.579	GS3+50	3.909	**0.33**				
	12	2064712.221	542347.713	3.773	GS4+0	3.87	**0.097**		Tile	540064	
	13	2064662.422	542351.931	3.847	GS4+50	3.728	**-0.119**				
	14	2064612.481	542355.286	3.415	GS5+0	3.69	**0.275**				
	15	2064562.658	542357.64	3.537	GS5+50	3.814	**0.277**				
	16	2064512.721	542355.97	3.427	GS6+0	3.509	**0.082**				
	17	2064463.85	542346.439	3.67	GS6+50	3.681	**0.011**				
	18	2064418.106	542326.279	3.481	GS7+0	3.738	**0.257**				
	19	2064378.434	542296.22	3.483	GS7+50	3.705	**0.222**				
	20	2064343.217	542260.786	3.941	GS8+0	4.067	**0.126**				
	21	2064311.792	542221.874	3.679	GS8+50	3.684	**0.005**				
	22	2064280.412	542182.944	3.344	GS9+0	3.407	**0.063**				
	23	2064249.364	542143.679	3.689	GS9+50	3.526	**-0.163**				
	24	2064217.785	542104.804	3.628	GS10+0	3.624	**-0.004**				
	25	2064186.434	542065.731	3.659	GS10+50	3.682	**0.023**				
	26	2064155.513	542026.37	3.553	GS11+0	3.747	**0.194**				
	27	2064133.706	541997.359	3.573	GS11+36.3	3.778	**0.205**				
	28	2064125.038	541986.538	4.385	TA11+50	3.769		**-0.616**			
	29	2064094.391	541947.027	5.05	TA12+0	3.765		**-1.285**			

Profile 6		Dirt Vehicle path, scrub. Tall grass, ruts, obscured									
	35	2064396.403	529318.875	40.255	GS0+0	40.525		**0.27**	Average	0.45	ft
	36	2064446.411	529314.106	40.543	GS0+50	40.782		**0.239**	RMSE	0.48	ft
	37	2064496.117	529310.2	40.214	GS1+0	40.664		**0.45**	Std Dev	0.17	ft
	38	2064545.945	529307.065	39.827	GS1+50	40.161		**0.334**	Max	0.84	ft
	39	2064595.914	529304.339	39.567	GS2+0	39.934		**0.367**	Min	0.18	ft
	40	2064645.645	529299.383	39.53	GS2+50	40.222		**0.692**	Count	25	
	41	2064695.076	529291.607	39.631	GS3+0	40.052		**0.421**			
	42	2064744.157	529282.375	39.941	GS3+50	40.427		**0.486**			
	43	2064792.324	529268.701	40.376	GS4+0	40.776		**0.4**	Tile	528064	
	44	2064840.175	529253.768	40.479	GS4+50	40.923		**0.444**			
	45	2064887.592	529238.514	40.526	GS5+0	41.359		**0.833**			
	46	2064935.691	529224.414	40.258	GS5+50	41.096		**0.838**			
	47	2064984.118	529212.286	40.401	GS6+0	40.996		**0.595**			
	48	2065032.986	529202.447	40.586	GS6+50	41.127		**0.541**			
	49	2065081.771	529192.137	40.473	GS7+0	40.935		**0.462**			
	50	2065130.171	529179.882	40.137	GS7+50	40.632		**0.495**			
	51	2065177.305	529162.89	39.843	GS8+0	40.416		**0.573**			
	52	2065223.07	529143.162	39.65	GS8+50	40.043		**0.393**			
	53	2065268.896	529123.826	39.096	GS9+0	39.271		**0.175**			
	54	2065315.783	529106.724	39.379	GS9+50	39.942		**0.563**			
	55	2065364.504	529094.384	39.966	GS10+0	40.22		**0.254**			
	56	2065413.92	529086.666	39.697	GS10+50	40.138		**0.441**			
	57	2065463.631	529082.166	39.798	GS11+0	40.18		**0.382**			
	58	2065513.63	529078.448	39.676	GS11+50	39.986		**0.31**			
	59	2065563.758	529075.982	39.124	GS12+0	39.428		**0.304**			
profile 7		Dirt road, unobscured									
	4	2040444.34	535484.385	34.771	GS 0+0	34.572	**-0.199**		Average	-0.17	ft
	5	2040491.682	535468.793	34.759	GS 0+50	34.807	**0.048**		RMSE	0.26	ft
	6	2040539.049	535452.509	35.397	GS 1+0	35.034	**-0.363**		Std Dev	0.20	ft
	7	2040586.303	535436.279	35.348	GS 1+50	35.205	**-0.143**		Max	0.08	ft
	8	2040633.752	535420.441	35.367	GS 2+0	35.093	**-0.274**		Min	-0.76	ft
	9	2040681.219	535405.273	34.797	GS 2+50	34.881	**0.084**		Count	25	
	10	2040728.622	535389.455	34.767	GS 3+0	34.642	**-0.125**				
	11	2040775.989	535373.374	34.675	GS 3+50	34.606	**-0.069**				
	12	2040823.199	535357.414	34.72	GS 4+0	34.602	**-0.118**		Tile	532040	
	13	2040870.495	535341.287	34.608	GS 4+50	34.559	**-0.049**				
	14	2040917.88	535325.326	34.493	GS 5+0	34.501	**0.008**				
	15	2040965.098	535309.2	34.673	GS 5+50	34.684	**0.011**				
	16	2041012.415	535293.54	35.171	GS 6+0	34.885	**-0.286**				
	17	2041059.82	535277.9	35.029	GS 6+50	34.83	**-0.199**				
	18	2041107.406	535262.227	34.853	GS 7+0	34.758	**-0.095**				
	19	2041154.884	535246.698	34.868	GS 7+50	34.874	**0.006**				
	20	2041202.362	535231.061	34.964	GS 8+0	35.046	**0.082**				
	21	2041249.845	535215.635	35.195	GS 8+50	35.01	**-0.185**				
	22	2041297.516	535200.252	35.226	GS 9+0	34.986	**-0.24**				
	23	2041345.477	535185.92	35.293	GS 9+50	35.102	**-0.191**				
	24	2041393.255	535170.963	35.594	GS 10+0	35.223	**-0.371**				
	25	2041441.122	535156.226	35.639	GS 10+50	35.04	**-0.599**				
	26	2041489.254	535142.53	35.581	GS 11+0	34.824	**-0.757**				
	27	2041537.53	535129.399	34.747	GS 11+50	34.646	**-0.101**				
	28	2041586.39	535118.114	34.519	GS 12+0	34.51	**-0.009**				

Area 7										
Profile 1	Unobscured, dirt road									
	4	1924895.97	526910.602	26.547	GS0+0	26.339	**-0.208**		Average	0.01 ft
	5	1924933.745	526942.753	26.485	GS0+50	26.564	**0.079**		RMSE	0.21 ft
	6	1924970.283	526976.899	26.761	GS1+0	26.652	**-0.109**		Std Dev	0.22 ft
	7	1925005.89	527011.781	26.781	GS1+50	26.883	**0.102**		Max	0.47 ft
	8	1925043.114	527045.144	26.921	GS2+0	27.142	**0.221**		Min	-0.44 ft
	9	1925079.822	527078.989	27.189	GS2+50	27.223	**0.034**		Count	25
	10	1925115.63	527113.872	27.335	GS3+0	27.295	**-0.04**			
	11	1925152.847	527147.291	27.771	GS3+50	27.331	**-0.44**			
	12	1925189.173	527181.646	27.574	GS4+0	27.334	**-0.24**		Tile	524924
	13	1925226.047	527215.514	27.436	GS4+50	27.316	**-0.12**			
	14	1925263.217	527249.06	27.356	GS5+0	27.266	**-0.09**			
	15	1925300.167	527282.655	27.102	GS5+50	27.222	**0.12**			
	16	1925337.112	527316.369	27.052	GS6+0	27.014	**-0.038**			
	17	1925373.684	527350.3	26.709	GS6+50	26.738	**0.029**			
	18	1925409.626	527385.057	26.512	GS7+0	26.742	**0.23**			
	19	1925445.53	527419.735	26.836	GS7+50	26.816	**-0.02**			
	20	1925482.419	527453.428	26.798	GS8+0	26.678	**-0.12**			
	21	1925520.619	527483.519	26.281	GS8+50	26.755	**0.474**			
	22	1925558.197	527518.498	27.102	GS9+0	26.972	**-0.13**			
	23	1925594.345	527553.006	26.806	GS9+50	27.174	**0.368**			
	24	1925631.262	527586.472	27.299	GS10++0	27.434	**0.135**			
	25	1924859.059	526877.596	26.295	GS-0+50	26.115	**-0.18**			
	26	1924821.118	526845.568	25.672	GS-1+0	26.089	**0.417**			
	27	1924777.381	526822.278	26.084	GS-1+50	26.001	**-0.083**			
	28	1924732.434	526801.577	26.397	GS-2+0	26.212	**-0.185**			
Profile 2	Unobscured, center of paved road									
	4	1935175.673	554517.607	35.59	TA 0+0	35.943	**0.353**		Average	-0.01 ft
	5	1935171.868	554467.736	35.8	TA 0+50	36.038	**0.238**		RMSE	0.32 ft
	6	1935167.7	554417.885	35.878	TA 1+0	36.132	**0.254**		Std Dev	0.33 ft
	7	1935163.688	554368.157	35.769	TA 1+50	36.148	**0.379**		Max	0.46 ft
	8	1935159.774	554318.278	35.709	TA 2+0	36.114	**0.405**		Min	-0.38 ft
	9	1935156.018	554268.572	35.609	TA 2+50	36.055	**0.446**		Count	25
	10	1935152.055	554218.778	35.369	TA 3+0	35.825	**0.456**			
	11	1935147.983	554169.033	35.196	TA 3+50	35.591	**0.395**			
	12	1935143.834	554119.274	34.989	TA 4+0	35.349	**0.36**		Tile	552932
	13	1935139.789	554069.493	34.928	TA 4+50	35.09	**0.162**			
	14	1935135.712	554019.723	34.637	TA 5+0	34.83	**0.193**			
	15	1935131.799	553970.023	34.333	TA 5+50	34.344	**0.011**			
	16	1935128.03	553920.225	34.043	TA 6+0	33.837	**-0.206**			
	17	1935124.057	553870.514	33.621	TA 6+50	33.453	**-0.168**			
	18	1935120.081	553820.692	33.4	TA 7+0	33.117	**-0.283**			
	19	1935116.077	553770.926	33.037	TA 7+50	32.721	**-0.316**			
	20	1935112.179	553721.203	32.587	TA 8+0	32.244	**-0.343**			
	21	1935108.384	553671.438	32.144	TA 8+50	31.777	**-0.367**			
	22	1935104.497	553621.625	31.713	TA 9+0	31.332	**-0.381**			
	23	1935100.457	553571.849	31.18	TA 9+50	30.897	**-0.283**			
	24	1935096.369	553522.085	30.815	TA 10+0	30.493	**-0.322**			
	25	1935092.212	553472.368	30.367	TA 10+50	30.105	**-0.262**			
	26	1935088.27	553422.594	30.035	TA 11+0	29.701	**-0.334**			
	27	1935084.6	553372.802	29.622	TA 11+50	29.299	**-0.323**			
	28	1935080.8	553323.026	29.311	TA 12+0	28.933	**-0.378**			
Profile 3	Unobscured, dirt road									
	4	1942111.49	587708.901	8.777	CLR0+0	8.886	**0.109**		Average	0.17 ft
	5	1942159.063	587693.659	8.916	CLR0+50	8.989	**0.073**		RMSE	0.20 ft
	6	1942206.677	587678.468	9.021	CLR1+0	9.069	**0.048**		Std Dev	0.11 ft
	7	1942254.276	587663.362	9.056	CLR1+50	9.146	**0.09**		Max	0.40 ft
	8	1942301.9	587647.835	9.134	CLR2+0	9.268	**0.134**		Min	-0.01 ft
	9	1942349.612	587632.876	9.22	CLR2+50	9.369	**0.149**		Count	25
	10	1942397.238	587617.757	9.274	CLR3+0	9.484	**0.21**			
	11	1942444.844	587602.372	9.314	CLR3+50	9.587	**0.273**			
	12	1942492.544	587587.209	9.257	CLR4+0	9.659	**0.402**		Tile	584940
	13	1942540.281	587572.235	9.438	CLR4+50	9.742	**0.304**			
	14	1942587.949	587557.483	9.572	CLR5+0	9.872	**0.3**			
	15	1942635.302	587541.327	9.694	CLR5+50	9.959	**0.265**			
	16	1942682.929	587526.166	9.69	CLR6+0	10.083	**0.393**			
	17	1942730.652	587510.853	9.995	CLR6+50	10.109	**0.114**			
	18	1942778.214	587495.734	9.811	CLR7+0	10.071	**0.26**			
	19	1942825.917	587480.584	9.819	CLR7+50	10.033	**0.214**			
	20	1942873.437	587465.177	9.841	CLR8+0	10.033	**0.192**			
	21	1942921.273	587450.637	9.85	CLR8+50	10.083	**0.233**			
	22	1942968.873	587435.435	10.003	CLR9+0	10.124	**0.121**			
	23	1943016.223	587419.511	10.044	CLR9+50	10.168	**0.124**			
	24	1943063.597	587403.171	10.198	CLR10+0	10.19	**-0.008**			
	25	1943110.855	587387.137	10.118	CLR10+50	10.191	**0.073**			
	26	1943158.084	587370.728	10.137	CLR11+0	10.177	**0.04**			
	27	1943205.393	587354.693	10.077	CLR11+50	10.171	**0.094**			
	28	1943252.818	587338.74	10.099	CLR12+0	10.163	**0.064**			

Profile 4		Unobscured, edge of paved road								
	32	1955378.738	583149.075	8.688	TA0+0	8.501	**-0.187**		Average	0.03 ft
	33	1955330.998	583164.005	8.891	TA0+50	8.63	**-0.261**		RMSE	0.31 ft
	34	1955284.315	583181.789	9.139	TA1+0	9.073	**-0.066**		Std Dev	0.31 ft
	35	1955235.195	583189.882	9.228	TA1+50	9.092	**-0.136**		Max	0.99 ft
	36	1955187.369	583204.052	9.113	TA2+0	8.643	**-0.47**		Min	-0.70 ft
	37	1955140.114	583219.93	9.143	TA2+50	8.767	**-0.376**		Count	155
	38	1955092.389	583234.682	9.236	TA3+0	8.953	**-0.283**			
	39	1955044.673	583249.233	9.305	TA3+50	9.17	**-0.135**			
	40	1954996.688	583263.096	9.534	TA4+0	9.281	**-0.253**		Tile	580952
	41	1954948.564	583276.09	9.438	TA4+50	8.973	**-0.465**			
	42	1954900.28	583288.815	9.258	TA5+0	8.995	**-0.263**			
	43	1954851.91	583301.116	9.258	TA5+50	8.857	**-0.401**			
	44	1954803.467	583313.124	8.995	TA6+0	8.687	**-0.308**			
	45	1954754.904	583324.614	9.016	TA6+50	8.702	**-0.314**			
	46	1954706.445	583336.436	9.37	TA7+0	8.9	**-0.47**			
	47	1954657.824	583347.958	9.915	TA7+50	9.292	**-0.623**			
	48	1954609.353	583359.805	10.393	TA8+0	9.952	**-0.441**			
	49	1954560.844	583371.334	10.973	TA8+50	10.649	**-0.324**			
	50	1954512.443	583383.423	11.815	TA9+0	11.333	**-0.482**			
	51	1954463.768	583394.9	13.345	TA9+50	13.455	**0.11**			
Profile 5		Unobscured, dirt road								
	4	1953123.044	562140.646	26.718	GS0+0	26.422	**-0.296**		Average	0.01 ft
	5	1953124.263	562190.545	26.485	GS0+50	26.276	**-0.209**		RMSE	0.17 ft
	6	1953124.021	562240.32	26.319	GS1+0	26.405	**0.086**		Std Dev	0.17 ft
	7	1953124.871	562290.189	26.778	GS1+50	26.58	**-0.198**		Max	0.30 ft
	8	1953125.44	562340.336	26.622	GS2+0	26.707	**0.085**		Min	-0.30 ft
	9	1953125.967	562390.075	26.523	GS2+50	26.697	**0.174**		Count	25
	10	1953126.81	562440.045	26.358	GS3+0	26.548	**0.19**			
	11	1953127.394	562489.948	26.239	GS3+50	26.479	**0.24**			
	12	1953128.34	562539.737	26.206	GS4+0	26.506	**0.3**		Tile	560952
	13	1953128.822	562589.755	26.544	GS4+50	26.574	**0.03**			
	14	1953129.385	562639.49	26.522	GS5+0	26.432	**-0.09**			
	15	1953129.897	562689.614	26.436	GS5+50	26.315	**-0.121**			
	16	1953130.52	562739.53	26.366	GS6+0	26.256	**-0.11**			
	17	1953130.577	562789.654	26.392	GS6+50	26.332	**-0.06**			
	18	1953131.73	562839.748	26.392	GS7+0	26.372	**-0.02**			
	19	1953132.858	562889.674	26.085	GS7+50	26.355	**0.27**			
	20	1953133.524	562939.62	26.19	GS8+0	26.4	**0.21**			
	21	1953134.322	562989.685	26.573	GS8+50	26.503	**-0.07**			
	22	1953135.173	563039.743	26.584	GS9+0	26.504	**-0.08**			
	23	1953135.437	563089.639	26.7	GS9+50	26.52	**-0.18**			
	24	1953135.774	563139.512	26.748	GS10+0	26.612	**-0.136**			
	25	1953135.84	563189.291	26.42	GS10+50	26.618	**0.198**			
	26	1953136.117	563239.135	26.376	GS11+0	26.517	**0.141**			
	27	1953136.871	563289.227	26.504	GS11+50	26.564	**0.06**			
	28	1953137.535	563339.135	26.726	GS12+0	26.636	**-0.09**			
Profile 6		Unobscured, dirt road								
	3	1949765.007	532162.144	34.314	GS 0+0	33.717	**-0.597**		Average	-0.08 ft
	4	1949798.239	532199.555	33.884	GS 0+50	33.447	**-0.437**		RMSE	0.30 ft
	5	1949831.09	532237.248	33.759	GS 1+0	33.097	**-0.662**		Std Dev	0.30 ft
	6	1949864.354	532274.565	33.044	GS 1+50	33.004	**-0.04**		Max	0.37 ft
	7	1949896.568	532312.678	32.968	GS 2+0	32.907	**-0.061**		Min	-0.66 ft
	8	1949926.953	532352.174	33.032	GS 2+50	32.765	**-0.267**		Count	25
	9	1949953.9	532394.113	32.883	GS 3+0	32.891	**0.008**			
	10	1949976.557	532438.728	32.735	GS 3+50	33.087	**0.352**			
	11	1949997.684	532483.98	32.907	GS 4+0	33.047	**0.14**		Tile	532948
	12	1950017.797	532529.749	32.637	GS 4+50	33.002	**0.365**			
	13	1950037.187	532575.694	32.613	GS 5+0	32.968	**0.355**			
	14	1950056.194	532621.964	32.757	GS 5+50	32.899	**0.142**			
	15	1950074.881	532668.239	33.054	GS 6+0	32.804	**-0.25**			
	16	1950093.847	532714.476	33.106	GS 6+50	32.686	**-0.42**			
	17	1950112.77	532760.6	32.628	GS 7+0	32.62	**-0.008**			
	18	1950131.89	532806.642	33.009	GS 7+50	32.569	**-0.44**			
	19	1950151.163	532852.61	32.713	GS 8+0	32.553	**-0.16**			
	20	1950170.407	532898.661	32.198	GS 8+50	32.518	**0.32**			
	21	1950189.257	532944.938	32.635	GS 9+0	32.428	**-0.207**			
	22	1950208.499	532990.975	32.681	GS 9+50	32.346	**-0.335**			
	23	1950227.778	533037.066	32.538	GS 10+0	32.659	**0.121**			
	24	1950246.732	533083.497	32.863	GS 10+50	32.996	**0.133**			
	25	1950266.117	533129.525	33.053	GS 11+0	33.143	**0.09**			
	26	1950285.104	533175.775	33.336	GS 11+50	33.136	**-0.2**			
	27	1950294.092	533224.496	33.223	GS 12+0	33.264	**0.041**			

Profile 7		Unobscured, dirt road								
	4	1960957.338	524444.279	33.738	GS0+0	33.792	**0.054**		Average	0.25 ft
	5	1961006.931	524449.147	33.801	GS0+50	34.191	**0.39**		RMSE	0.39 ft
	6	1961056.602	524454.904	34.086	GS1+0	34.359	**0.273**		Std Dev	0.30 ft
	7	1961106.233	524460.081	33.317	GS1+50	33.936	**0.619**		Max	0.99 ft
	8	1961155.735	524465.442	33.841	GS2+0	33.932	**0.091**		Min	-0.16 ft
	9	1961205.596	524466.634	33.727	GS2+50	34.714	**0.987**		Count	25
	10	1961255.756	524462.72	34.031	GS3+0	34.684	**0.653**			
	11	1961304.916	524454.29	34.86	GS3+50	35.523	**0.663**			
	12	1961353.902	524444.734	35.175	GS4+0	35.334	**0.159**		Tile	524960
	13	1961403.09	524435.223	34.276	GS4+50	34.466	**0.19**			
	14	1961452.147	524426.024	34.134	GS5+0	34.131	**-0.003**			
	15	1961501.117	524415.664	34.571	GS5+50	34.94	**0.369**			
	16	1961550.118	524406.325	35.319	GS6+0	35.59	**0.271**			
	17	1961599.324	524396.336	35.087	GS6+50	35.477	**0.39**			
	18	1961648.198	524387.307	34.326	GS7+0	34.483	**0.157**			
	19	1961697.585	524377.772	33.927	GS7+50	34.476	**0.549**			
	20	1961746.914	524368.979	34.378	GS8+0	34.433	**0.055**			
	21	1961795.885	524358.621	34.38	GS8+50	34.444	**0.064**			
	22	1961842.281	524340.88	34.214	GS9+0	34.102	**-0.112**			
	23	1961883.931	524312.713	34.518	GS9+50	34.508	**-0.01**			
	24	1961921.261	524279.729	34.499	GS10+0	34.413	**-0.086**			
	25	1961957.395	524244.991	34.608	GS10+50	34.45	**-0.158**			
	26	1961993.346	524210.269	34.977	GS11+0	34.866	**-0.111**			
	27	1962029.06	524175.201	34.357	GS11+50	34.559	**0.202**			
	28	1962065.206	524140.657	34.675	GS12+0	35.356	**0.681**			
Profile 8		Unobscured, dirt road								
	4	1987239.733	527618.986	37.57	GS0+0	37.692	**0.122**		Average	0.11 ft
	5	1987193.681	527638.331	37.57	GS0+50	38.066	**0.496**		RMSE	0.22 ft
	6	1987147.551	527657.064	37.585	GS1+0	37.63	**0.045**		Std Dev	0.20 ft
	7	1987101.08	527675.536	37.454	GS1+50	37.513	**0.059**		Max	0.65 ft
	8	1987054.725	527694.486	37.653	GS2+0	37.323	**-0.33**		Min	-0.33 ft
	9	1987008.457	527713.408	37.463	GS2+50	37.282	**-0.181**		Count	25
	10	1986962.344	527732.591	37.386	GS3+0	37.238	**-0.148**			
	11	1986916.248	527751.944	37.11	GS3+50	37.29	**0.18**			
	12	1986870.051	527771.13	37.263	GS4+0	37.333	**0.07**		Tile	524984
	13	1986823.9	527790.23	37.033	GS4+50	37.373	**0.34**			528984
	14	1986777.32	527808.212	37.11	GS5+0	37.41	**0.3**			
	15	1986730.578	527826.167	37.326	GS5+50	37.436	**0.11**			
	16	1986683.774	527843.748	37.439	GS6+0	37.479	**0.04**			
	17	1986636.821	527861.053	37.42	GS6+50	37.47	**0.05**			
	18	1986589.756	527878.175	37.318	GS7+0	37.381	**0.063**			
	19	1986543.131	527895.925	37.283	GS7+50	37.338	**0.055**			
	20	1986496.402	527913.764	37.206	GS8+0	37.346	**0.14**			
	21	1986450.223	527933.047	37.324	GS8+50	37.437	**0.113**			
	22	1986404.528	527953.377	37.672	GS9+0	37.687	**0.015**			
	23	1986359.487	527975.063	37.181	GS9+50	37.828	**0.647**			
	24	1986314.929	527997.994	37.475	GS10+0	37.775	**0.3**			
	25	1986270.734	528021.406	37.585	GS10+50	37.735	**0.15**			
	26	1986226.4	528044.501	37.744	GS11+0	37.714	**-0.03**			
	27	1986182.181	528067.958	37.742	GS11+50	37.712	**-0.03**			
	28	1987285.933	527599.883	37.737	GS-0+50	37.786	**0.049**			
Profile 9		Unobscured, dirt road								
	4	1970608.656	550929.352	28.707	GS 0+0	28.991	**0.284**		Average	0.24 ft
	5	1970629.908	550974.219	29.112	GS 0+50	29.258	**0.146**		RMSE	0.36 ft
	6	1970651.418	551020.595	28.565	GS 1+0	29.189	**0.624**		Std Dev	0.26 ft
	7	1970672.676	551065.789	29.201	GS 1+50	29.238	**0.037**		Max	0.87 ft
	8	1970693.761	551110.801	28.879	GS 2+0	29.565	**0.686**		Min	-0.18 ft
	9	1970714.915	551155.798	29.452	GS 2+50	29.452	**0**		Count	25
	10	1970736.055	551200.949	28.035	GS 3+0	28.903	**0.868**			
	11	1970757.501	551246.888	28.811	GS 3+50	28.767	**-0.044**			
	12	1970778.21	551291.063	28.056	GS 4+0	28.345	**0.289**		Tile	548968
	13	1970799.398	551336.39	28.304	GS 4+50	28.402	**0.098**			
	14	1970820.484	551381.424	28.588	GS 5+0	28.499	**-0.089**			
	15	1970841.426	551426.585	28.702	GS 5+50	28.775	**0.073**			
	16	1970862.522	551471.815	28.385	GS 6+0	28.688	**0.303**			
	17	1970883.998	551517.398	28.271	GS 6+50	28.089	**-0.182**			
	18	1970904.853	551562.233	28.727	GS 7+0	28.886	**0.159**			
	19	1970926.279	551607.249	28.363	GS 7+50	28.566	**0.203**			
	20	1970947.496	551652.584	27.974	GS 8+0	28.082	**0.108**			
	21	1970968.574	551697.642	28.113	GS 8+50	28.046	**-0.067**			
	22	1970990.005	551743.109	27.701	GS 9+0	28.23	**0.529**			
	23	1971011.627	551788.927	28.106	GS 9+50	28.238	**0.132**			
	24	1971032.76	551833.269	27.798	GS 10+0	28.138	**0.34**			
	25	1971054.316	551878.692	27.542	GS 10+50	27.76	**0.218**			
	26	1971075.527	551923.542	27.4	GS 11+0	27.88	**0.48**			
	27	1971096.962	551968.575	26.99	GS 11+50	27.553	**0.563**			
	28	1971118.317	552013.643	27.053	GS 12+0	27.411	**0.358**			

Profile 10	Obscured, Tall grass								
32	1980339.899	551440.009	27.497	GS 0+0	28.064		**0.567**	Average	-0.40 ft
33	1980290.058	551438.124	27.544	GS 0+50	27.745		**0.201**	RMSE	0.56 ft
34	1980240.308	551443.4	27.447	GS 1+0	27.734		**0.287**	Std Dev	0.40 ft
35	1980191.717	551455.219	27.571	GS 1+50	27.751		**0.18**	Max	0.57 ft
36	1980145.165	551473.23	27.593	GS 2+0	27.663		**0.07**	Min	-0.85 ft
37	1980099.315	551493.129	27.623	GS 2+50	27.713		**0.09**	Count	25
38	1980054.749	551515.712	27.588	GS 3+0	26.935		**-0.653**		
39	1980010.6	551539.192	27.609	GS 3+50	27.02		**-0.589**		
40	1979966.942	551563.545	27.601	GS 4+0	26.807		**-0.794**	Tile	548976
41	1979923.383	551587.952	27.313	GS 4+50	26.806		**-0.507**		548980
42	1979879.921	551612.761	27.279	GS 5+0	26.631		**-0.648**		
43	1979836.436	551637.278	27.17	GS 5+50	26.921		**-0.249**		
44	1979793.053	551662.163	27.421	GS 6+0	26.868		**-0.553**		
45	1979749.727	551686.968	27.535	GS 6+50	26.965		**-0.57**		
46	1979705.898	551710.979	27.459	GS 7+0	27.127		**-0.332**		
47	1979661.38	551733.928	27.291	GS 7+50	26.906		**-0.385**		
48	1979616.096	551754.886	27.346	GS 8+0	26.609		**-0.737**		
49	1979570.136	551774.555	27.269	GS 8+50	26.672		**-0.597**		
50	1979523.33	551792.147	27.246	GS 9+0	26.842		**-0.404**		
51	1979475.945	551808.03	27.197	GS 9+50	26.348		**-0.849**		
52	1979428.154	551823.099	27.109	GS 10+0	26.339		**-0.77**		
53	1979380.519	551838.037	27.11	GS 10+50	26.382		**-0.728**		
54	1979332.791	551852.764	27.24	GS 11+0	26.441		**-0.799**		
55	1979284.709	551866.463	26.781	GS 11+50	26.3		**-0.481**		
56	1979237.099	551881.779	27.062	GS 12+0	26.283		**-0.779**		
Profile 11, hard surfaced road									
52	1954414.998	583405.887	14.283	TC10+0	14.576	**0.293**		Average	-0.19 ft
53	1954366.324	583417.367	15.078	TC10+50	15.005	**-0.073**		RMSE	0.37 ft
54	1954317.821	583429.143	15.723	TC11+0	15.448	**-0.275**		Std Dev	0.33 ft
55	1954269.341	583440.927	16.354	TC11+50	15.888	**-0.466**		Max	0.29 ft
56	1954220.809	583452.913	17.124	TC12+0	16.428	**-0.696**		Min	-0.70 ft
57	1954432.832	583397.483	14.037	TC7-10	14.243	**0.206**		Count	10
58	1953802.387	583540.275	19.968	TC7-10	19.545	**-0.423**			
59	1954432.818	583397.511	14.032	TC7-9	14.248	**0.216**			
60	1955174.136	583092.089	5.864	CC7-8	5.517	**-0.347**		Tile	580952
61	1955566.615	583184.643	8.825	TA7-7	8.516	**-0.309**			

APPENDIX F
CONTOUR ACCURACY ANALYSIS

Overall Statistics, All Profiles

Unobscured		Obscured	
Average	-0.17 ft	Average	0.02 ft
RMSE	0.45 ft	RMSE	1.15 ft
Std Dev	0.42 ft	Std Dev	1.15 ft
Max	1.17 ft	Max	2.74 ft
Min	-1.66 ft	Min	-6.83 ft
Count	1052	Count	283
median	-0.16	median	0.25
skew	0.00	skew	-2.66

Delivery Area Profile 1	Survey Y	Survey X	Survey Z	Label	Contour Z	Unobscured ContourZ-SurveyZ	Obscured ContourZ-SurveyZ	Induvidual Profile Statistics	
AREA 1									
Profile 1	Field, low/med grass, unobscured								
73	488454.516	2056049.773	21.826	CLR	20.996	**-0.83**		Average	-0.12 ft
101	488454.526	2056049.723	21.873	EP	21.003	**-0.87**		RMSE	0.49 ft
102	488459.939	2056055.938	21.999	CLR	20.999	**-1**		Std Dev	0.48 ft
103	488465.909	2056062.857	21.962	EP	21.002	**-0.96**		Max	0.79 ft
104	488468.065	2056065.7	21.751	TOB	21.001	**-0.75**		Min	-1.04 ft
105	488473.019	2056071.951	20.711	COS	20.505	**-0.206**		Count	34
106	488478.009	2056077.783	19.207	BOT	19.997	**0.79**			
107	488483.427	2056085.467	21.337	TOB	20.417	**-0.92**			
108	488487.06	2056087.721	21.26	GS	20.78	**-0.48**		Tile	488056
109	488519.255	2056126.439	21.382	GS	21.417	**0.035**			
110	488551.04	2056165.643	21.763	GS	21.859	**0.096**			
111	488580.771	2056205.032	22.256	GS	22.245	**-0.011**			
112	488610.659	2056245.244	22.491	GS	22.645	**0.154**			
113	488640.66	2056285.467	22.765	GS	23.024	**0.259**			
114	488670.865	2056325.283	23.156	GS	23.319	**0.163**			
115	488701.035	2056365.221	23.295	GS	23.599	**0.304**			
116	488732.077	2056404.526	23.687	GS	23.963	**0.276**			
117	488751.103	2056428.906	23.609	TOE	23.999	**0.39**			
118	488758.562	2056436.984	24.579	TOB	23.538	**-1.041**			
119	488762.823	2056443.545	23.249	GS	23.085	**-0.164**			
120	488764.79	2056446.264	22.487	BOT	22.997	**0.51**			
121	488770.346	2056452.733	24.004	TOB	23.279	**-0.725**			
122	488793.512	2056483.292	24.048	GS	24.039	**-0.009**			
123	488824.123	2056522.869	24.153	GS	24.282	**0.129**			
124	488853.614	2056562.989	24.358	GS	24.448	**0.09**			
125	488883.935	2056603.162	24.571	GS	24.592	**0.021**			
126	488913.882	2056643.208	24.765	GS	24.745	**-0.02**			
127	488943.889	2056683.386	24.876	GS	24.996	**0.12**			
128	488974.463	2056722.759	24.881	GS	25.001	**0.12**			
129	489005.792	2056761.701	25.006	GS	24.996	**-0.01**			
130	489037.527	2056799.793	25.149	GS	25.043	**-0.106**			
131	489069.175	2056838.704	25.179	GS	25.231	**0.052**			
132	489100.14	2056877.593	25.286	GS	25.416	**0.13**			
133	489130.937	2056917.221	25.372	GS	25.609	**0.237**			
Profile 2	Cultivated field/low grass, unobscured								
135	496835.257	2050764.279	23.808	GS	23.204	**-0.604**		Average	-0.27 ft
136	496794.128	2050735.825	23.767	GS	22.997	**-0.77**		RMSE	0.45 ft
137	496753.162	2050706.174	23.64	GS	23	**-0.64**		Std Dev	0.37 ft
138	496711.965	2050677.967	23.46	GS	23	**-0.46**		Max	0.62 ft
139	496670.868	2050649.335	23.509	GS	22.999	**-0.51**		Min	-0.77 ft
140	496629.69	2050620.878	23.324	GS	23.004	**-0.32**		Count	28
141	496589.524	2050591.172	23.214	GS	23.004	**-0.21**			
142	496548.22	2050562.627	23.117	GS	22.997	**-0.12**			
143	496507.876	2050533.169	23.176	GS	22.996	**-0.18**		Tile	496048
144	496465.943	2050505.239	23.05	GS	23	**-0.05**			
145	496426.146	2050475.338	22.882	GS	23.002	**0.12**			
146	496385.276	2050446.202	23.08	GS	23	**-0.08**			
147	496344.411	2050417.501	23.194	GS	23.004	**-0.19**			
148	496314.593	2050399.574	21.458	GS	21.998	**0.54**			
149	496304.439	2050389.021	23.45	GS	23	**-0.45**			
150	496303.036	2050388.263	23.542	GS	23.002	**-0.54**			
151	496293.688	2050380.898	23.771	CLR	23.001	**-0.77**			
152	496284.117	2050373.908	23.654	EP	23.004	**-0.65**			
153	496270.05	2050363.988	20.922	BOT	21.251	**0.329**			
154	496262.479	2050359.407	22.21	GS	22.257	**0.047**			
155	496222.396	2050329.092	22.754	GS	22.743	**-0.011**			
156	496181.679	2050300.372	22.372	GS	22.002	**-0.37**			
157	496140.805	2050271.401	21.41	GS	21.203	**-0.207**			
158	496098.281	2050246.553	18.382	GS	19.002	**0.62**			
159	496061.251	2050224.962	22.457	EOP	21.997	**-0.46**			
160	496054.374	2050220.613	22.739	TA	21.999	**-0.74**			
161	496032.37	2050204.59	22.494	EOP	22.004	**-0.49**			
162	496014.434	2050190.459	21.659	GS	21.182	**-0.477**			

Profile 3	Dirt road, unobscured										
	57	503059.255	2049089.447	27.293	EP	26.746	**-0.547**			Average	-0.60 ft
	58	503052.405	2049096.929	27.608	CLR	26.998	**-0.61**			RMSE	0.66 ft
	59	503052.436	2049096.949	27.58	CLR	27	**-0.58**			Std Dev	0.28 ft
	60	503046.028	2049104.34	27.435	EP	26.995	**-0.44**			Max	-0.28 ft
	61	503029.869	2049122.613	27.276	EP	26.996	**-0.28**			Min	-1.27 ft
	62	503025.975	2049126.729	27.278	CLR	26.998	**-0.28**			Count	27
	63	502989.651	2049161.189	27.455	CLR	26.995	**-0.46**				
	64	502952.03	2049194.091	26.875	CLR	25.995	**-0.88**				
	65	502912.579	2049224.882	26.558	CLR	25.998	**-0.56**			Tile	500048
	134	502912.491	2049224.902	26.64	GS	26	**-0.64**				
	66	502872.236	2049254.46	26.465	CLR	25.995	**-0.47**				
	67	502832.05	2049284.33	26.304	CLR	26.004	**-0.3**				
	68	502792.325	2049314.633	26.283	CLR	25.857	**-0.426**				
	69	502752.499	2049344.843	26.267	CLR	24.997	**-1.27**				
	70	502712.231	2049374.484	26.081	CLR	25.001	**-1.08**				
	71	502712.229	2049374.495	26.086	CLR	24.996	**-1.09**				
	72	502671.615	2049403.541	26.106	CLR	24.996	**-1.11**				
	74	502590.273	2049461.758	25.842	CLR	25.002	**-0.84**				
	75	502550.082	2049491.291	25.562	CLR	25.002	**-0.56**				
	76	502549.944	2049491.206	25.802	CLR	25.002	**-0.8**				
	77	502510.088	2049521.503	25.536	CLR	24.996	**-0.54**				
	78	502472.063	2049553.816	25.335	CLR	24.995	**-0.34**				
	79	502432.324	2049584.237	25.538	CLR	24.998	**-0.54**				
	80	502392.791	2049614.733	25.517	CLR	24.997	**-0.52**				
	81	502352.734	2049644.908	25.447	CLR	24.997	**-0.45**				
	82	502313.052	2049675.132	25.328	CLR	24.998	**-0.33**				
	83	502272.817	2049705.026	25.303	CLR	25.003	**-0.3**				
Profile 4	Centerline, hard surfaced road, unobscured										
	6	508481.381	2054265.529	32.916	CLI	32.996	**0.08**			Average	-0.01 ft
	7	508516.609	2054300.979	32.975	CL	32.99	**0.015**			RMSE	0.12 ft
	8	508551.671	2054336.643	32.827	CL	32.997	**0.17**			Std Dev	0.12 ft
	9	508586.594	2054372.249	32.89	CL	33	**0.11**			Max	0.17 ft
	10	508621.656	2054407.741	32.837	CL	32.885	**0.048**			Min	-0.28 ft
	11	508656.593	2054443.498	32.931	CL	32.914	**-0.017**			Count	24
	12	508691.631	2054479.166	32.941	CL	33.001	**0.06**				
	13	508726.726	2054514.672	33.254	CL	33.004	**-0.25**				
	14	508761.894	2054550.246	33.484	CL	33.208	**-0.276**			Tile	508052
	15	508797.011	2054585.848	33.772	CL	33.672	**-0.1**				
	16	508831.94	2054621.561	34.313	CL	34.197	**-0.116**				
	17	508866.924	2054657.213	34.975	CL	34.913	**-0.062**				
	18	508901.982	2054692.862	35.683	CL	35.561	**-0.122**				
	19	508901.927	2054692.89	35.662	CL	35.562	**-0.1**				
	20	508937.094	2054728.409	36.515	CL	36.355	**-0.16**				
	21	508972.623	2054763.577	37.497	CL	37.375	**-0.122**				
	22	509008.56	2054798.401	38.371	CL	38.407	**0.036**				
	23	509044.757	2054832.903	39.548	CL	39.675	**0.127**				
	24	509081.651	2054866.605	40.863	CL	41.003	**0.14**				
	25	509118.841	2054899.999	42.174	CL	42.234	**0.06**				
	26	509156.415	2054932.961	43.727	CL	43.793	**0.066**				
	27	509194.52	2054965.257	45.207	CL	45.23	**0.023**				
	28	509233.112	2054996.984	46.591	CL	46.741	**0.15**				
	29	509272.079	2055028.205	47.931	CL	48.001	**0.07**				
Profile 5	Vegetation, medium, partially obscured										
	30	510791.617	2053171.024	32.109	EP	30.999		**-1.11**		Average	0.14 ft
	31	510783.823	2053165.364	32.321	CLR	31.001		**-1.32**		RMSE	0.21 ft
	32	510775.594	2053159.488	32.056	EP	30.996		**-1.06**		Std Dev	0.16 ft
	33	510758.553	2053147.183	27.849	BOT	27.999		**0.15**		Max	0.34 ft
	34	510751.372	2053140.201	29.163	BOT	28.143		**-1.02**		Min	-0.21 ft
	35	510751.363	2053140.223	29.194	GS	28.144		**-1.05**		Count	20
	36	510751.394	2053140.181	29.062	TB	28.142		**-0.92**			
	37	510711.574	2053109.947	28.989	GS	28.999	**0.01**				
	38	510673.163	2053078.127	29.207	GS	28.997	**-0.21**			Tile	508052
	39	510634.411	2053046.444	29.138	GS	28.998	**-0.14**				
	40	510595.187	2053015.271	28.993	GS	29.003	**0.01**				
	41	510555.9	2052984.137	28.914	GS	29.004	**0.09**				
	42	510517.031	2052952.626	28.808	GS	28.998	**0.19**				
	43	510478.281	2052921.502	28.788	GS	28.998	**0.21**				
	44	510439.418	2052890.417	28.791	GS	29.001	**0.21**				
	45	510400.496	2052859.152	28.694	GS	29.004	**0.31**				
	46	510361.672	2052827.846	28.664	GS	29.004	**0.34**				
	47	510322.703	2052796.538	28.927	GS	28.997	**0.07**				
	48	510284.566	2052764.959	28.855	GS	28.995	**0.14**				
	49	510245.894	2052733.311	28.986	GS	28.996	**0.01**				
	50	510207.095	2052702.186	29.106	GS	28.996	**-0.11**				
	51	510168.474	2052670.227	28.696	GS	28.996	**0.3**				
	52	510129.312	2052639.462	28.747	GS	28.997	**0.25**				
	53	510089.887	2052608.83	28.813	GS	29.003	**0.19**				
	54	510051.151	2052577.766	28.658	GS	28.998	**0.34**				
	55	510012.516	2052546.458	28.782	GS	29.002	**0.22**				
	56	509973.625	2052515.197	28.726	GS	28.996	**0.27**				

Profile 6		Edge of pavement, unobscured								
	205	525935.924	2030020.807	42.525	TA	42.167	**-0.358**		Average	-0.54 ft
	206	525983.975	2030006.995	42.443	TA	42.123	**-0.32**		RMSE	0.57 ft
	207	526032.004	2029993.133	42.513	TA	42.025	**-0.488**		Std Dev	0.20 ft
	208	526079.831	2029979.297	42.539	TA	41.999	**-0.54**		Max	-0.21 ft
	209	526127.825	2029965.505	42.558	TA	41.812	**-0.746**		Min	-0.94 ft
	210	526175.77	2029951.746	42.482	TA	42.002	**-0.48**		Count	21
	211	526223.703	2029937.895	42.399	TA	41.9	**-0.499**			
	212	526271.683	2029924.108	42.479	TA	41.999	**-0.48**			
	213	526319.671	2029910.254	42.482	TA	42.049	**-0.433**		Tile	520028
	214	526367.557	2029896.373	42.581	TA	42.172	**-0.409**			520032
	215	526415.486	2029882.376	42.879	TA	42.402	**-0.477**			524028
	216	526463.422	2029868.44	43.068	TA	42.435	**-0.633**			
	217	526511.468	2029855.413	43.156	TA	42.865	**-0.291**			
	218	526559.822	2029843.011	43.149	TA	42.939	**-0.21**			
	219	526608.407	2029831.187	43.308	TA	42.897	**-0.411**			
	220	526656.849	2029819.547	43.377	TA	42.439	**-0.938**			
	221	526705.331	2029807.981	43.286	TA	42.389	**-0.897**			
	222	526753.832	2029796.451	42.932	TA	42.054	**-0.878**			
	223	526802.343	2029784.93	42.779	TA	41.999	**-0.78**			
	224	526850.968	2029773.383	42.532	TA	42.002	**-0.53**			
	225	526899.554	2029761.793	42.389	TA	41.884	**-0.505**			
Profile 7		Edge of pavement, unobscured								
	226	524284.804	2031355.635	47.021	TA	46.561	**-0.46**		Average	-0.32 ft
	227	524255.083	2031396.158	47.031	TA	46.692	**-0.339**		RMSE	0.34 ft
	228	524225.585	2031436.529	47.03	TA	46.658	**-0.372**		Std Dev	0.12 ft
	229	524196.139	2031476.993	46.982	TA	46.538	**-0.444**		Max	-0.13 ft
	230	524166.632	2031517.419	47.066	TA	46.596	**-0.47**		Min	-0.56 ft
	231	524137.014	2031557.794	47.217	TA	46.997	**-0.22**		Count	21
	232	524107.525	2031598.106	47.222	TA	47.002	**-0.22**			
	233	524077.905	2031638.518	47.281	TA	47.155	**-0.126**			
	234	524048.321	2031678.92	47.376	TA	47.17	**-0.206**		Tile	524028
	235	524018.782	2031719.3	47.31	TA	47.168	**-0.142**			
	236	523989.146	2031759.61	47.395	TA	47.236	**-0.159**			
	237	523959.545	2031800.014	47.412	TA	47.167	**-0.245**			
	238	523929.88	2031840.41	47.427	TA	47.015	**-0.412**			
	239	523900.26	2031880.792	47.382	TA	46.826	**-0.556**			
	240	523870.621	2031921.188	47.297	TA	46.855	**-0.442**			
	241	523841.025	2031961.479	47.288	TA	46.891	**-0.397**			
	242	523811.478	2032001.7	47.229	TA	46.854	**-0.375**			
	243	523781.954	2032041.97	47.238	TA	46.998	**-0.24**			
	244	523752.447	2032082.34	47.265	TA	46.995	**-0.27**			
	245	523722.835	2032122.768	47.291	TA	46.982	**-0.309**			
	246	523693.057	2032163.127	47.29	TA	47	**-0.29**			

AREA 2									
Profile 1	Edge of pavement, unobscured								
3	1976793.849	575428.84	7.74	1-Feb	7	**-0.74**		Average	-0.60 ft
4	1976838.415	575406.186	7.339	2-Feb	6.999	**-0.34**		RMSE	0.70 ft
5	1976882.943	575383.489	6.947	3-Feb	5.997	**-0.95**		Std Dev	0.38 ft
6	1976927.484	575360.762	6.749	4-Feb	5.999	**-0.75**		Max	0.12 ft
7	1976971.814	575337.736	6.514	5-Feb	6.004	**-0.51**		Min	-1.23 ft
8	1977016.071	575314.516	6.229	6-Feb	5.999	**-0.23**		Count	26
9	1977060.422	575291.472	5.972	7-Feb	5.821	**-0.151**			
10	1977105	575268.841	5.878	8-Feb	5.998	**0.12**			
11	1977149.843	575246.723	6.037	9-Feb	5.864	**-0.173**		Tile	572976
12	1977195.028	575225.345	6.062	10-Feb	5.82	**-0.242**			
13	1977240.687	575204.914	6.061	11-Feb	5.755	**-0.306**			
14	1977286.857	575185.294	5.863	12-Feb	5.581	**-0.282**			
15	1977333.208	575166.545	5.712	13-Feb	5.452	**-0.26**			
16	1976749.08	575451.057	7.84	13-Feb	7	**-0.84**			
17	1976704.135	575472.896	7.968	14-Feb	6.998	**-0.97**			
18	1976658.932	575494.273	8.22	15-Feb	7	**-1.22**			
19	1976613.274	575514.664	8.242	16-Feb	7.743	**-0.499**			
20	1976567.347	575534.433	8.329	17-Feb	7.82	**-0.509**			
21	1976521.048	575553.23	8.474	18-Feb	7.963	**-0.511**			
22	1976474.441	575571.194	8.51	19-Feb	8	**-0.51**			
23	1976427.609	575588.748	8.393	20-Feb	7.987	**-0.406**			
24	1976380.542	575605.562	8.308	21-Feb	7.6	**-0.708**			
25	1976333.303	575622.01	8.233	22-Feb	7.003	**-1.23**			
26	1976285.999	575638.14	8.217	23-Feb	6.997	**-1.22**			
27	1976238.619	575654.022	8.11	24-Feb	7	**-1.11**			
28	1976191.167	575669.602	7.963	2.25	7.003	**-0.96**			
Profile 2	Field, low scrub, obscured, 1.5' tall grass, fallow farm field								
35	1971453.481	555954.357	26.896	Mar-69	27.149		**0.253**	Average	0.43 ft
36	1971424.397	556105.657	26.805	Jan-00	27.075		**0.27**	RMSE	0.70 ft
37	1971375.147	556104.821	26.686	1-Jan	27.274		**0.588**	Std Dev	0.56 ft
38	1971325.332	556104.169	26.807	2-Jan	27.475		**0.668**	Max	1.76 ft
39	1971275.744	556103.296	26.916	3-Jan	27.586		**0.67**	Min	-0.79 ft
40	1971225.063	556102.977	27.134	4-Jan	27.582		**0.448**	Count	26
41	1971175.056	556103.672	26.748	5-Jan	27.772		**1.024**		
42	1971124.816	556101.489	27.077	6-Jan	27.532		**0.455**		
43	1971075.251	556102.071	26.262	7-Jan	27.034		**0.772**	Tile	528064
44	1971025.018	556102.061	25.911	8-Jan	27.001		**1.09**	Tile	556968
45	1970975.607	556101.621	25.24	9-Jan	27		**1.76**		
46	1970924.992	556101.495	25.477	10-Jan	26.997		**1.52**		
47	1970875.058	556102.502	27.306	11-Jan	26.996		**-0.31**		
48	1970824.36	556102.35	26.817	12-Jan	26.997		**0.18**		
49	1970774.373	556101.978	26.888	13-Jan	26.998		**0.11**		
50	1970724.357	556100.756	26.723	14-Jan	27.003		**0.28**		
51	1970673.516	556103.105	26.564	15-Jan	27.004		**0.44**		
52	1970624.541	556103.942	27.185	16-Jan	26.995		**-0.19**		
53	1970574.453	556105.621	26.333	17-Jan	27.003		**0.67**		
54	1970524.401	556105.517	26.708	18-Jan	26.998		**0.29**		
55	1970474.265	556105.824	27.481	19-Jan	27.001		**-0.48**		
56	1970424.74	556107.738	26.943	20-Jan	27.003		**0.06**		
57	1970375.731	556107.626	27.786	21-Jan	26.996		**-0.79**		
58	1970324.991	556108.917	26.552	22-Jan	27.002		**0.45**		
59	1970275.85	556113.594	26.115	23-Jan	26.995		**0.88**		
60	1970225.976	556117.059	26.585	24-Jan	26.779		**0.194**		

Profile 3	Dirt road obscured by trees										
1	2014634.646	565992.149	10.136	FIR012SJCR	9.996		**-0.14**	Average	-1.36	ft	
2	2014196.855	566877.916	10.443	FIR012SJCR	10.003		**-0.44**	RMSE	2.50	ft	
3	2014866.293	566867.7934	11.3667	SNL	11.0677		**-0.299**	Std Dev	2.13	ft	
4	2014050.15	566884.5294	13.9775	SNL	9.5655		**-4.412**	Max	1.15	ft	
5	2014901.733	567173.6436	11.4317	SNL	11.0097		**-0.422**	Min	-6.83	ft	
6	2014829.06	567178.0367	10.1911	FIR012SJCR	10.1821		**-0.009**	Count	37		
7	2014106.976	567215.0002	12.9605	FND	12.0005		**-0.96**				
200	2014203.959	566878.1006	10.4997	GS5+00	9.9997		**-0.5**				
201	2014253.913	566875.9078	11.2038	GS5+50	10.5828		**-0.621**	Tile	564012		
202	2014303.731	566875.1551	11.7413	GS6+00	11.0013		**-0.74**				
203	2014353.67	566873.4561	12.3394	GS6+50	10.9994		**-1.34**				
204	2014403.534	566873.796	10.3782	GS7+00	10.3872		**0.009**				
205	2014453.429	566872.3739	8.2526	GS7+50	9.0026		**0.75**				
206	2014503.115	566870.416	7.8474	GS8+00	8.9974		**1.15**				
207	2014552.927	566869.7809	9.5574	GS8+50	9.5394		**-0.018**				
208	2014153.719	566882.8512	13.9673	GS4+50	9.9973		**-3.97**				
209	2014103.924	566887.233	15.1125	GS4+00	9.9635		**-5.149**				
210	2014054.614	566888.186	14.5666	GS3+50	9.5856		**-4.981**				
211	2014005.563	566878.5208	14.0671	GS3+00	9.1671		**-4.9**				
212	2013955.918	566880.5811	14.466	GS2+50	8.996		**-5.47**				
213	2013906.5	566883.382	15.8348	GS2+00	9.0048		**-6.83**				
214	2013856.914	566886.8496	14.7924	GS1+50	10.0244		**-4.768**				
215	2013806.709	566887.0611	14.2137	GS1+00	10.7527		**-3.461**				
216	2013756.689	566887.5578	11.858	GS0+50	10.998		**-0.86**				
217	2013706.875	566885.7177	10.9377	GS0+00	10.4207		**-0.517**				
218	2014602.347	566869.1053	11.3479	GS9+00	9.9979		**-1.35**				
219	2014652.039	566867.8918	10.2559	GS9+50	9.9959		**-0.26**				
220	2014701.903	566866.343	9.7796	GS10+00	9.9996		**0.22**				
221	2014751.557	566865.7563	11.294	GS10+50	11.004		**-0.29**				
222	2014801.411	566864.8577	11.2239	GS11+00	11.0039		**-0.22**				
223	2014850.117	566874.7958	11.206	GS11+50	11.721		**0.515**				
224	2014868.424	566921.116	11.8909	GS12+00	12.0009		**0.11**				
225	2014872.098	566971.1823	13.2869	GS12+50	12.9969		**-0.29**				
226	2014877.694	567020.6517	13.158	GS13+00	12.998		**-0.16**				
227	2014885.53	567069.6885	13.3741	GS13+50	13.6021		**0.228**				
228	2014894.792	567118.646	12.2498	GS14+00	12.5588		**0.309**				
229	2014902.97	567167.793	11.9144	GS14+50	11.5254		**-0.389**				
Profile 4	Cut grass off edge of road, unobscured										
1	2042840.74	547613.07	7.97	Mar-60	8	**0.03**		Average	-0.10	ft	
3	2043978.753	547055.9	9.476	Apr-00	9.455	**-0.021**		RMSE	0.15	ft	
4	2043934.577	547079.32	9.609	1-Apr	9.48	**-0.129**		Std Dev	0.12	ft	
5	2043890.696	547102.556	9.447	2-Apr	9.48	**0.033**		Max	0.06	ft	
6	2043846.741	547125.974	9.403	3-Apr	9.462	**0.059**		Min	-0.41	ft	
7	2043802.799	547149.268	9.401	4-Apr	9.426	**0.025**		Count	26		
8	2043758.99	547172.632	9.358	5-Apr	9.404	**0.046**					
9	2043715.02	547195.862	9.435	6-Apr	9.378	**-0.057**					
10	2043670.895	547219.358	9.46	7-Apr	9.381	**-0.079**		Tile	544040		
11	2043626.831	547242.763	9.397	8-Apr	9.38	**-0.017**					
12	2043582.631	547266.14	9.382	9-Apr	9.391	**0.009**					
13	2043538.426	547289.359	9.354	10-Apr	9.403	**0.049**					
14	2043494.335	547312.777	9.34	11-Apr	9.353	**0.013**					
15	2043450.196	547336.139	9.36	12-Apr	9.21	**-0.15**					
16	2043406.308	547359.433	9.413	13-Apr	9.157	**-0.256**					
17	2043361.987	547382.812	9.335	14-Apr	9.137	**-0.198**					
18	2043317.964	547406.019	9.331	15-Apr	9.132	**-0.199**					
19	2043274.192	547429.273	9.295	16-Apr	9.098	**-0.197**					
20	2043230.005	547452.341	9.314	17-Apr	9.111	**-0.203**					
21	2043186.383	547476.155	9.36	18-Apr	9.155	**-0.205**					
22	2043142.461	547499.458	9.231	19-Apr	9.083	**-0.148**					
23	2043098.418	547522.771	9.104	20-Apr	9.001	**-0.103**					
24	2043054.296	547546.16	9.107	21-Apr	8.925	**-0.182**					
25	2043010.108	547569.097	9.026	22-Apr	8.849	**-0.177**					
26	2042966.084	547592.555	8.985	23-Apr	8.835	**-0.15**					
27	2042922.649	547615.943	9.238	24-Apr	8.83	**-0.408**					

Profile 5		Dirt road, unobscured									
	4	2018559.948	531955.955	37.842	May-00	38.002	**0.16**			Average	-0.04 ft
	5	2018561.108	531905.955	37.864	1-May	38.004	**0.14**			RMSE	0.32 ft
	6	2018560.963	531855.994	37.807	2-May	37.997	**0.19**			Std Dev	0.33 ft
	7	2018561.533	531806.095	37.794	3-May	38.004	**0.21**			Max	0.56 ft
	8	2018561.958	531756.194	38.075	4-May	37.995	**-0.08**			Min	-0.90 ft
	9	2018562.496	531706.284	38.246	5-May	37.996	**-0.25**			Count	25
	10	2018563.623	531656.31	38.487	6-May	38.678	**0.191**				
	11	2018564.186	531606.418	38.345	7-May	37.995	**-0.35**				
	12	2018564.953	531556.508	38.127	8-May	37.997	**-0.13**			Tile	528016
	13	2018565.527	531506.628	38.301	9-May	38.001	**-0.3**				
	14	2018566.464	531456.724	38.296	10-May	38.586	**0.29**				
	15	2018567.475	531406.724	38.437	11-May	38.997	**0.56**				
	16	2018568.66	531356.798	38.656	12-May	38.996	**0.34**				
	17	2018569.957	531306.858	38.62	13-May	39	**0.38**				
	18	2018571.147	531256.947	38.799	14-May	38.999	**0.2**				
	19	2018572.664	531206.957	38.851	15-May	39.001	**0.15**				
	20	2018573.878	531156.951	39.016	16-May	38.996	**-0.02**				
	21	2018574.853	531107.087	39.109	17-May	38.999	**-0.11**				
	22	2018576.123	531057.169	39.078	18-May	38.998	**-0.08**				
	23	2018576.82	531007.223	39.067	19-May	38.58	**-0.487**				
	24	2018577.928	530957.278	39.175	20-May	39.005	**-0.17**				
	25	2018578.598	530907.471	39.101	21-May	39.001	**-0.1**				
	26	2018579.985	530857.593	39.13	22-May	38.235	**-0.895**				
	27	2018581.598	530807.599	38.711	23-May	38.285	**-0.426**				
	28	2018582.774	530757.637	38.369	24-May	37.999	**-0.37**				
Profile 6		Powerline, low to medium brush, partially obscured									
	4	2008751.929	545034.979	37.582	Jun-00	37.484	**-0.098**			Average	0.38 ft
	5	2008722.175	545074.905	36.339	1-Jun	37.187			**0.848**	RMSE	0.56 ft
	6	2008692.358	545115.081	36.679	2-Jun	37.382	**0.703**			Std Dev	0.42 ft
	7	2008661.913	545154.914	36.917	3-Jun	37.602	**0.685**			Max	0.83 ft
	8	2008632.391	545195.311	37.212	4-Jun	37.002	**-0.21**			Min	-0.90 ft
	9	2008602.388	545235.236	37.3	5-Jun	37.132	**-0.168**			Count	22
	10	2008572.051	545275.476	37.219	6-Jun	37.721	**0.502**				
	11	2008542.789	545315.953	36.65	7-Jun	37.258	**0.608**				
	12	2008512.465	545355.245	37.182	8-Jun	38.002	**0.82**			Tile	544008
	13	2008483.098	545395.241	38.904	9-Jun	38.004	**-0.9**				
	14	2008453.725	545435.478	37.554	10-Jun	**38.004**	**0.45**				
	15	2008423.731	545475.178	37.531	11-Jun	**38.001**	**0.47**				
	16	2008393.187	545514.898	37.557	12-Jun	**37.997**	**0.44**				
	17	2008362.735	545554.833	37.394	13-Jun	**38.004**	**0.61**				
	18	2008332.95	545594.45	37.169	14-Jun	**37.999**	**0.83**				
	19	2008301.718	545634.046	37.287	15-Jun	**37.997**	**0.71**				
	20	2008272.192	545674.368	37.371	16-Jun	**38.001**	**0.63**				
	21	2008242.307	545714.023	37.231	17-Jun	**38.001**	**0.77**				
	22	2008212.873	545753.901	37.633	18-Jun	**38.003**	**0.37**				
	23	2008183.35	545793.674	37.253	19-Jun	**38.003**			**0.75**		
	24	2008152.467	545832.799	37.11	20-Jun	**37.419**	**0.309**				
	25	2008159.946	545882.476	36.169	21-Jun	**36.999**			**0.83**		
	26	2008167.958	545931.993	36.588	22-Jun	**36.998**	**0.41**				
	27	2008175.839	545980.821	36.74	23-Jun	**37**	**0.26**				
	28	2008185.454	546029.766	36.28	24-Jun	**36.409**	**0.129**				
Profile 7		Low grass, golf course, unobscured, couple points on slope									
	200	1987410.637	535183.3546	43.4177	TC7-1	**43.4747**	**0.057**			Average	-0.21 ft
	201	1987361.649	535194.2586	43.2395	GS7-2	**43.1675**	**-0.072**			RMSE	0.31 ft
	202	1987312.709	535205.0733	43.4036	GS7-3	**43.3256**			**-0.078**	Std Dev	0.23 ft
	203	1987264.018	535215.5407	42.7958	GS7-4	**42.9958**			**0.2**	Max	0.24 ft
	204	1987215.258	535226.2127	43.0665	GS7-5	**42.9965**	**-0.07**			Min	-0.68 ft
	205	1987166.165	535236.9568	43.2845	GS7-6	**43.0605**	**-0.224**			Count	22
	206	1987117.25	535247.6613	43.9246	GS7-7	**43.6606**	**-0.264**				
	207	1987068.468	535258.2013	44.5697	GS7-8	**43.9997**	**-0.57**				
	208	1987019.504	535268.9706	44.7844	GS7-9	**44.1744**	**-0.61**			Tile	532984
	209	1986970.728	535279.6373	45.2139	GS7-10	**44.9419**	**-0.272**				
	210	1986921.666	535290.4078	46.1817	GS7-11	**45.9307**	**-0.251**				
	211	1986872.654	535301.1409	47.2424	GS7-12	**46.8754**	**-0.367**				
	212	1986823.681	535311.7533	47.9252	GS7-13	**47.6892**	**-0.236**				
	213	1986774.736	535322.4386	48.336	GS7-14	**48.061**	**-0.275**				
	214	1986725.733	535333.236	49.0435	GS7-15	**48.9275**	**-0.116**				
	215	1986676.642	535344.0421	49.0354	GS7-16	**48.9954**	**-0.04**				
	216	1986627.76	535354.638	47.6781	GS7-17	**47.6121**	**-0.066**				
	217	1986578.657	535365.443	46.8391	GS7-18	**46.7601**	**-0.079**				
	218	1986529.683	535376.1806	45.8647	GS7-19	**45.7517**	**-0.113**				
	219	1986480.63	535386.9246	45.6787	GS7-20	**44.9987**	**-0.68**				
	220	1986431.845	535397.6519	45.4907	GS7-21	**45.4147**	**-0.076**				
	221	1986382.988	535408.2076	46.055	GS7-22	**46.29**	**0.235**				
	222	1986334.026	535418.3509	48.5476	GS7-23	**47.9976**	**-0.55**				
	223	1986285.103	535429.7407	47.7037	GS7-24	**47.7827**	**0.079**				

AREA 3										
Profile 1	Dirt road, unobscured, note that the whole profile is digging 1.5-feet verified in stereo									
	200	1923465.373	521520.9966	24.9172	CLR0+0	24.5342	**-0.383**		Average	-0.54 ft
	201	1923461.474	521420.0189	25.9988	CLR1+0	25.6338	**-0.365**		RMSE	0.61 ft
	202	1923460.274	521320.1314	26.1004	CLR2+0	25.0004	**-1.1**		Std Dev	0.30 ft
	203	1923458.82	521220.2152	25.7723	CLR3+0	25.0023	**-0.77**		Max	-0.04 ft
	204	1923455.086	521120.2774	25.5705	CLR4+0	25.0005	**-0.57**		Min	-1.10 ft
	205	1923451.987	521020.3791	25.4975	CLR5+0	24.9975	**-0.5**		Count	13
	206	1923448.463	520919.9854	24.8527	CLR6+0	24.8087	**-0.044**			
	207	1923445.299	520819.5245	25.1493	CLR7+0	24.9993	**-0.15**		Tile	520920
	208	1923442.709	520719.6411	25.482	CLR8+0	25.002	**-0.48**			
	209	1923439.159	520619.9292	25.402	CLR9+0	25.002	**-0.4**			
	210	1923435.543	520519.0236	25.163	CLR10+0	24.516	**-0.647**			
	211	1923433.139	520419.6635	24.9519	CLR11+0	24.0019	**-0.95**			
	212	1923430.162	520319.2477	24.7179	CLR12+0	23.9979	**-0.72**			
Profile 2	Farm field, low vegetation, partially obscured, deleted points are in ditches with tall grass at bottum									
	200	1925828.267	496234.0344	24.8191	GS0+00	24.9991	**0.18**		Average	0.29 ft
	201	1925821.836	496133.8368	23.8296	GS1+00	24.9996	**1.17**		RMSE	0.43 ft
	202	1925819.266	496083.1816	22.451	BOT	24.001		**1.55**	Std Dev	0.45 ft
	203	1925815.396	496034.4058	24.3707	GS2+0	25.0007	**0.63**		Max	1.17 ft
	204	1925808.772	495934.3119	24.7183	GS3+0	24.7323	**0.014**		Min	-0.67 ft
	205	1925804.601	495867.0713	23.1074	BOT	24.1474		**1.04**	Count	14
	206	1925802.838	495834.3134	24.9484	GS4+0	24.2814	**-0.667**			
	207	1925796.207	495734.5409	24.9836	GS5+0	25.0036	**0.02**			
	208	1925795.389	495727.6767	23.2037	BOT	25.0037		**1.8**	Tile	492924
	209	1925791.043	495649.8556	23.2124	BOT	24.0024		**0.79**		496924
	210	1925789.991	495634.4955	24.4277	GS6+0	24.9577	**0.53**			
	211	1925786.547	495577.9067	22.8438	BOT	24.0548		**1.211**		
	212	1925783.584	495534.7359	24.5985	GS7+00	24.9765	**0.378**			
	213	1925781.649	495500.5852	23.2566	BOT	24.0156		**0.759**		
	214	1925777.145	495434.522	23.5196	BOT8+0	24.8956		**1.376**		
	215	1925772.644	495371.3152	22.0951	BOT	23.9951		**1.9**		
	216	1925770.641	495334.7111	24.2671	CLR9+0	24.6481	**0.381**			
	217	1925768.365	495295.8741	21.2602	BOT	24.0002		**2.74**		
	218	1925767.646	495281.8109	29.1343	TB	29.5933	**0.459**			
	219	1925766.993	495271.5327	24.3903	TS	25.0003	**0.61**			
	220	1925764.573	495234.5546	24.8848	GS10+00	25.0048	**0.12**			
	221	1925758.15	495134.5806	24.3038	GS11+00	24.7718	**0.468**			
	222	1925752.863	495049.7187	25.2991	GS11+85	24.9991	**-0.3**			
Profile 3	Centerlined of paved road, unobscured									
	4	1957714.053	493735.832	8.384	CLR 0+0	8.175	**-0.209**		Average	-0.21 ft
	5	1957736.249	493780.71	8.513	CLR 0+50	8.247	**-0.266**		RMSE	0.26 ft
	6	1957758.033	493825.689	8.579	CLR 1+0	8.565	**-0.014**		Std Dev	0.15 ft
	7	1957769.632	493875.097	8.665	EP 1+5	8.605	**-0.06**		Max	0.04 ft
	8	1957801.714	493915.818	8.508	CLR 2+0	8.445	**-0.063**		Min	-0.51 ft
	9	1957823.324	493960.862	8.354	CLR 2+50	8.246	**-0.108**		Count	25
	10	1957845.148	494005.989	8.45	CLR 3+0	8.2	**-0.25**			
	11	1957866.921	494050.978	8.513	CLR 3+50	8.165	**-0.348**			
	12	1957888.301	494096.215	8.443	CLR 4+0	8.13	**-0.313**		Tile	492956
	13	1957910.111	494141.183	8.298	CLR 4+50	8.065	**-0.233**			
	14	1957931.757	494186.277	8.326	CLR 5+0	8.029	**-0.297**			
	15	1957953.308	494231.617	8.433	CLR 5+50	8.038	**-0.395**			
	16	1957974.918	494276.62	8.196	CLR 6+0	8.046	**-0.15**			
	17	1957986.244	494326.672	8.375	EP 6+50	8.091	**-0.284**			
	18	1958017.931	494366.913	8.234	CLR 7+0	8.086	**-0.148**			
	19	1958029.618	494416.686	8.3	EP 7+50	8.26	**-0.04**			
	20	1958061.519	494457.036	7.959	CLR 8+0	7.999	**0.04**			
	21	1958083.292	494502.151	7.882	CLR 8+50	7.798	**-0.084**			
	22	1958105.022	494547.222	8.012	CLR 9+0	7.498	**-0.514**			
	23	1958126.782	494592.354	7.936	CLR 9+50	7.522	**-0.414**			
	24	1958148.778	494637.241	7.782	CLR 10+0	7.549	**-0.233**			
	25	1958160.075	494687.248	7.92	EP 10+50	7.946	**0.026**			
	26	1958192.355	494727.294	7.913	CLR 11+0	7.539	**-0.374**			
	27	1958213.461	494772.69	7.947	CLR 11+50	7.54	**-0.407**			
	28	1958234.886	494817.998	7.951	CLR 12+0	7.906	**-0.045**			

Profile 4		Farm Field, low vegetation, unobscured								
	4	1990001.261	485762.4	11.702	GS 0+0	11.513	**-0.189**		Average	0.06 ft
	5	1990002.914	485862.427	12.071	GS 1+0	11.897	**-0.174**		RMSE	0.23 ft
	6	1990005.537	485962.836	13.18	GS 2+0	13.26	**0.08**		Std Dev	0.23 ft
	7	1990008.032	486062.96	13.807	GS 3+0	13.703	**-0.104**		Max	0.50 ft
	8	1990010.915	486163.062	14.007	GS 4+0	13.997	**-0.01**		Min	-0.19 ft
	9	1990013.4	486262.219	14.355	GS 5+0	14.277	**-0.078**		Count	13
	10	1990015.696	486362.318	14.609	GS 6+0	14.497	**-0.112**			
	11	1990017.358	486461.623	14.441	GS 7+0	14.485	**0.044**			
	12	1990018.999	486561.919	14.146	GS 8+0	14.647	**0.501**		Tile	484988
	13	1990020.419	486661.533	14.174	GS 9+0	14.596	**0.422**			
	14	1990022.233	486761.557	13.938	GS 10+0	14.278	**0.34**			
	15	1990023.672	486861.673	14.099	GS 11+0	13.999	**-0.1**			
	16	1990025.235	486961.913	13.806	GS 12+0	13.996	**0.19**			
Profile 5		Dense trees, cultivated, obscured								
	204	1983935.599	521108.5847	32.4105	GS 0+0	31.7965		**-0.614**	Average	0.32 ft
	205	1983935.873	521158.3695	32.4505	GS 0+50	32.4355		**-0.015**	RMSE	0.50 ft
	206	1983935.895	521208.5743	32.219	GS 1+0	32.887		**0.668**	Std Dev	0.38 ft
	207	1983935.799	521258.7349	32.4977	GS 1+50	32.9977		**0.5**	Max	1.03 ft
	208	1983936.002	521308.9645	32.2633	GS 2+0	33.0033		**0.74**	Min	-0.61 ft
	209	1983936.094	521358.8146	32.5268	GS 2+50	32.9968		**0.47**	Count	25
	210	1983936.203	521408.9693	32.232	GS 3+0	33.002		**0.77**		
	211	1983936.463	521458.8091	32.3905	GS 3+50	33.0005		**0.61**		
	212	1983936.524	521509.0941	32.8206	GS 4+0	33.0006		**0.18**	Tile	520980
	213	1983938.506	521558.8544	32.6155	GS 4+50	32.9955		**0.38**		
	214	1983940.195	521608.9389	32.5545	GS 5+0	33.0045		**0.45**		
	215	1983941.919	521658.9024	32.9932	GS 5+50	33.0032		**0.01**		
	216	1983943.662	521708.9236	32.8895	GS 6+0	32.9995		**0.11**		
	217	1983945.341	521758.8216	32.7237	GS 6+50	33.0037		**0.28**		
	218	1983947.182	521808.7774	32.9058	GS 7+0	32.9958		**0.09**		
	219	1983948.758	521858.6529	32.9413	GS 7+50	33.0013		**0.06**		
	220	1983950.701	521909.0453	33.2012	GS 8+0	33.0012		**-0.2**		
	221	1983949.107	521958.8127	33.0476	GS 8+50	33.1096		**0.062**		
	222	1983946.607	522008.7963	32.8269	GS 9+0	33.2739		**0.447**		
	223	1983943.964	522058.3992	33.4264	GS 9+50	33.3474		**-0.079**		
	224	1983941.818	522108.4303	33.3311	GS 10+0	33.4281		**0.097**		
	225	1983939.471	522158.3459	33.2893	GS 10+50	33.6723		**0.383**		
	226	1983937.301	522208.2847	33.1663	GS 11+0	33.9513		**0.785**		
	227	1983935.005	522258.1172	33.1083	GS 11+50	33.9983		**0.89**		
	228	1983932.652	522308.5126	32.9735	GS 12+0	34.0035		**1.03**		
Profile 6		Edge of field, tractor path, unobscured, profile is digging across entire length, profile bad								
	4	1960743.531	518932.397	41.556	GS 0+0	42.295		**0.739**	Average	0.22 ft
	5	1960741.547	518831.905	42.535	GS 1+0	43.391		**0.856**	RMSE	0.36 ft
	6	1960740.701	518731.864	42.635	GS 2+0	42.995		**0.36**	Std Dev	0.30 ft
	7	1960739.299	518631.697	43.346	GS 3+0	43.405		**0.059**	Max	0.86 ft
	8	1960737.932	518531.706	43.251	GS 4+0	43.1		**-0.151**	Min	-0.15 ft
	9	1960736.209	518431.463	44.064	GS 5+0	44.201		**0.137**	Count	13
	10	1960734.894	518331.512	44.748	GS 6+0	44.998		**0.25**		
	11	1960733.355	518231.411	45.658	GS 7+0	45.649		**-0.009**		
	12	1960731.818	518131.243	45.908	GS 8+0	45.998		**0.09**	Tile	516960
	13	1960730.504	518030.872	46.145	GS 9+0	46.227		**0.082**		
	14	1960729.068	517930.948	46.631	GS 10+0	47.001		**0.37**		
	15	1960727.686	517830.701	46.822	GS 11+0	47.002		**0.18**		
	16	1960726.05	517730.7	47.106	GS 12+0	46.996		**-0.11**		

AREA 4										
Profile 1		Edge of Pavement, unobscured								
	200	2100781.457	547251.6517	19.964	EP 0+0	19.868	**-0.096**		Average	0.15 ft
	201	2100830.3	547240.9862	19.88	EP 0+50	19.885	**0.005**		RMSE	0.23 ft
	202	2100879.143	547230.2693	19.915	EP 1+0	19.892	**-0.023**		Std Dev	0.17 ft
	203	2100927.981	547219.5237	19.9404	EP 1+50	19.8444	**-0.096**		Max	0.45 ft
	204	2100976.803	547208.6848	19.8763	EP 2+0	19.8093	**-0.067**		Min	-0.10 ft
	205	2101025.649	547198.1106	19.7878	EP 2+50	19.7858	**-0.002**		Count	25
	206	2101074.58	547187.5711	19.7655	EP 3+0	19.7905	**0.025**			
	207	2101123.478	547176.9965	19.6132	EP 3+50	19.9182	**0.305**			
	208	2101172.364	547166.3996	19.7667	EP 4+0	19.8657	**0.099**		Tile	544100
	209	2101221.208	547155.8071	19.6881	EP 4+50	19.8421	**0.154**			
	210	2101270.13	547145.3639	19.5103	EP 5+0	19.8413	**0.331**			
	211	2101318.916	547134.9844	19.519	EP 5+50	19.754	**0.235**			
	212	2101367.912	547124.3958	19.5059	EP 6+0	19.7019	**0.196**			
	213	2101416.612	547113.9779	19.4216	EP 6+50	19.7556	**0.334**			
	214	2101465.453	547103.3737	19.4278	EP 7+0	19.7818	**0.354**			
	215	2101514.149	547092.81	19.36	EP 7+50	19.673	**0.313**			
	216	2101562.933	547082.1413	19.266	EP 8+0	19.589	**0.323**			
	217	2101611.561	547071.2983	19.0683	EP 8+50	19.3973	**0.329**			
	218	2101660.366	547060.7228	19.0635	EP 9+0	19.2885	**0.225**			
	219	2101709.108	547049.9556	18.913	EP 9+50	19.115	**0.202**			
	220	2101757.81	547039.2287	18.6665	EP 10+0	18.9305	**0.264**			
	221	2101806.507	547028.5297	18.4075	EP 10+50	18.8565	**0.449**			
	222	2101855.262	547017.8359	18.2531	EP 11+0	18.2981	**0.045**			
	223	2101903.863	547007.1937	17.9952	EP 11+50	17.9142	**-0.081**			
	224	2101952.625	546996.6078	17.6857	EP 12+0	17.7127	**0.027**			
Profile 2		Saplings/crops, obscured, brush 2' tall and cultivated trees at 9' tall								
	200	2106792.548	528580.8336	14.5672	GS 0+0	14.5672			Average	#DIV/0! ft
	201	2106836.702	528603.2101	14.994	GS 0+50	14.994			RMSE	#DIV/0! ft
	202	2106881.761	528626.0429	14.2925	GS 1+0	14.2925			Std Dev	#DIV/0! ft
	203	2106926.277	528648.6002	13.7936	GS 1+50	13.7936			Max	0.00 ft
	204	2106970.757	528671.1394	13.9395	GS 2+0	13.9395			Min	0.00 ft
	205	2107015.278	528693.6979	14.0529	GS 2+50	14.0529			Count	0
	206	2107059.684	528716.1989	14.5965	GS 3+0	14.5965				
	207	2107104.348	528738.8302	14.5534	GS 3+50	14.5534				
	208	2107148.772	528761.3396	14.6836	GS 4+0	14.6836			Tile	528104
	209	2107192.951	528783.7243	14.805	GS 4+50	14.805				
	210	2107237.493	528806.293	14.9075	GS 5+0	14.9075				
	211	2107281.602	528828.6429	14.9182	GS 5+50	14.9182				
	215	2107370.378	528874.4151	14.7509	GS 6+50	14.7509				
	216	2107414.898	528897.7273	14.8693	GS 7+0	14.8693				
	217	2107458.977	528920.7651	14.9255	GS 7+50	14.9255				
	218	2107503.349	528943.9859	15.0565	GS 8+0	15.0565				
	219	2107547.651	528967.17	14.8704	GS 8+50	14.8704				
	220	2107591.439	528990.086	14.1966	GS 9+0	14.1966				
	221	2107635.62	529013.2069	14.0843	GS 9+50	14.0843				
	222	2107679.841	529036.3494	13.5353	GS 10+0	13.5353				
	223	2107724.009	529059.4623	13.4349	GS 10+50	13.4349				
	224	2107768.477	529082.7332	12.6298	GS 11+0	12.6298				
	225	2107812.666	529105.8584	12.4156	GS 11+50	12.4156				
	226	2107856.976	529129.0467	12.7647	GS 12+0	12.7647				

Profile 3	Ditch, edge of dirt road, low brush, unobscured										
	4	2108680.84	518953.588	23.202	GS 0+0	23.547	**0.345**			Average	0.01 ft
	5	2108729.791	518952.524	23.08	GS 0+50	23.482	**0.402**			RMSE	0.37 ft
	6	2108781.252	518950.921	23.882	GS 1+0	23.443	**-0.439**			Std Dev	0.38 ft
	7	2108830.658	518949.529	22.996	GS 1+50	23.379	**0.383**			Max	0.53 ft
	8	2108881.311	518948.367	23.097	GS 2+0	23.16	**0.063**			Min	-1.23 ft
	9	2108931.332	518947.099	23.2	GS 2+50	23.041	**-0.159**			Count	27
	10	2108981.359	518945.936	22.384	GS 3+0	22.863	**0.479**				
	11	2109031.18	518945.015	22.278	GS 3+50	22.808	**0.53**				
	12	2109081.24	518943.549	22.069	GS 4+0	22.33	**0.261**			Tile	516108
	13	2109107.266	518942.71	21.86	TB	21.438	**-0.422**				
	14	2109116.443	518942.904	19.092	TS	18.857	**-0.235**				
	15	2109151.945	518941.774	22.528	TB	21.298	**-1.23**				
	16	2109180.74	518940.889	22.205	GS 5+0	21.995	**-0.21**				
	17	2109232.566	518939.721	21.186	GS 5+50	20.996	**-0.19**				
	18	2109280.97	518938.563	21.413	GS 6+0	21.63	**0.217**				
	19	2109331.045	518937.304	22.118	GS 6+50	21.998	**-0.12**				
	20	2109381.142	518935.861	22.519	GS 7+0	22.77	**0.251**				
	21	2109430.782	518934.368	22.751	GS 7+50	22.505	**-0.246**				
	22	2109481.737	518933.062	22.773	GS 8+0	22.977	**0.204**				
	23	2109532.443	518931.906	23.021	GS 8+50	22.665	**-0.356**				
	24	2109581.657	518930.541	22.096	GS 9+0	22.472	**0.376**				
	25	2109631.799	518929.463	22.21	GS 9+50	22.158	**-0.052**				
	26	2109680.703	518928.169	21.667	GS 10+0	22.008	**0.341**				
	27	2109730.353	518926.644	22.143	GS 10+50	22.003	**-0.14**				
	28	2109780.696	518925.677	21.884	GS 11+0	22.004	**0.12**				
	29	2109830.299	518924.162	22.184	GS 11+50	22.004	**-0.18**				
	30	2109878.797	518922.542	21.813	GS 12+0	22.003	**0.19**				
Profile 4	Clearing in woods, grass and sparse trees, partially unobscured by ruts										
	3	2130579.82	526526.049	7.604	GS 0+0	7.777	**0.173**			Average	-0.20 ft
	4	2130579.905	526576.333	8.625	GS 0+50	7.995	**-0.63**			RMSE	0.48 ft
	5	2130580.094	526625.681	8.729	GS 1+0	7.999	**-0.73**			Std Dev	0.44 ft
	6	2130581.279	526676.144	9.277	GS 1+50	8.886	**-0.391**			Max	0.39 ft
	7	2130583.038	526726.173	9.731	GS 2+0	9.001	**-0.73**			Min	-1.09 ft
	8	2130584.493	526776.34	10.088	GS 2+50	8.998	**-1.09**			Count	19
	9	2130585.251	526826.318	10.472	GS 3+0	10.002	**-0.47**				
	10	2130586.191	526876.402	10.725	GS 3+50	9.995	**-0.73**				
	11	2130588.544	526926.457	11.022	GS 4+0	11.002	**-0.02**			Tile	524128
	12	2130590.961	526976.491	10.843	GS 4+50	11.003	**0.16**				
	13	2130595.048	527026.588	10.761	GS 5+0	11.153	**0.392**				
	14	2130598.409	527076.324	10.444	GS 5+50	11.004		**0.56**			
	15	2130600.391	527126.511	10.511	GS 6+0	10.518	**0.007**				
	16	2130633.93	526783.334	7.09	GS 0+50	8.079		**0.989**			
	17	2130683.472	526790.142	7.101	GS 1+0	7.815		**0.714**			
	18	2130732.759	526796.927	8.154	GS 1+50	8.004	**-0.15**				
	19	2130782.244	526803.512	9.723	GS 2+0	10.003	**0.28**				
	20	2130881.695	526817.577	7.884	GS 3+0	9.404		**1.52**			
	21	2130930.815	526823.982	10.291	GS 3+50	10.001	**-0.29**				
	22	2130980.791	526830.893	11.109	GS 4+0	10.751	**-0.358**				
	23	2131030.081	526837.801	9.153	GS 4+50	9.444	**0.291**				
	24	2131080.028	526844.895	9.036	GS 5+0	9.996		**0.96**			
	25	2131129.214	526851.488	10.381	GS 5+50	10.503	**0.122**				
	26	2131178.926	526858.651	10.827	GS 6+0	11.186	**0.359**				
	27	2131219.247	526887.578	10.431	GS 6+50	11.721		**1.29**			
Profile 5	Golf Course, low grass, unobscured										
	4	2150692.578	535870.267	8.738	GS 0+0	8.877	**0.139**			Average	0.18 ft
	5	2150642.798	535874.359	8.367	GS 0+50	8.406	**0.039**			RMSE	0.37 ft
	6	2150593.026	535878.557	8.367	GS 1+0	8.519	**0.152**			Std Dev	0.33 ft
	7	2150543.337	535882.927	11.424	GS 1+50	11.004	**-0.42**			Max	0.80 ft
	8	2150493.514	535886.645	11.1	GS 2+0	11.333	**0.233**			Min	-0.80 ft
	9	2150443.741	535890.742	8.756	GS 2+50	9.026	**0.27**			Count	25
	10	2150393.919	535894.859	8.054	GS 3+0	8.452	**0.398**				
	11	2150344.144	535898.767	10.46	GS 3+50	10	**-0.46**				
	12	2150294.416	535902.549	9.463	GS 4+0	9.768	**0.305**			Tile	532148
	13	2150244.589	535906.308	8.544	GS 4+50	8.761	**0.217**				
	14	2150194.797	535910.777	8.95	GS 5+0	9.416	**0.466**				
	15	2150144.986	535914.476	9.86	GS 5+50	10	**0.14**				
	16	2150095.202	535918.723	8.621	GS 6+0	9.164	**0.543**				
	17	2150045.373	535922.603	8.677	GS 6+50	8.997	**0.32**				
	18	2149995.718	535926.634	12.343	GS 7+0	12.402	**0.059**				
	19	2149945.87	535930.784	12.835	GS 7+50	13.151	**0.316**				
	20	2149896.141	535935.335	12.817	GS 8+0	13.621	**0.804**				
	21	2149846.285	535939.434	14.152	GS 8+50	14.306	**0.154**				
	22	2149796.6	535943.122	18.251	GS 9+0	18.507	**0.256**				
	23	2149746.884	535947.442	20.578	GS 9+50	19.775	**-0.803**				
	24	2149697.112	535951.316	18.398	GS 10+0	18.369	**-0.029**				
	25	2149647.816	535955.424	11.133	GS 10+50	11.503	**0.37**				
	26	2149598.09	535959.831	8.96	GS 11+0	9.278	**0.318**				
	27	2149548.271	535963.898	8.535	GS 11+50	8.995	**0.46**				
	28	2149498.503	535968.216	8.748	GS 12+0	8.998	**0.25**				

Profile 6		Edge of Pavement, unobscured									
	40	2130437.94	540374.278	8.53	TA 0+0	8.807	**0.277**		Average	-0.30	ft
	41	2130486.471	540362.405	8.898	TA 0+50	8.998	**0.1**		RMSE	0.46	ft
	42	2130535.215	540351.439	9.154	TA 1+0	9.004	**-0.15**		Std Dev	0.36	ft
	43	2130584.028	540340.967	9.068	TA 1+50	8.998	**-0.07**		Max	0.28	ft
	44	2130632.777	540330.545	9.038	TA 2+0	8.588	**-0.45**		Min	-0.85	ft
	45	2130681.601	540319.983	8.851	TA 2+50	8.001	**-0.85**		Count	25	
	46	2130730.413	540309.56	8.822	TA 3+0	8.002	**-0.82**				
	47	2130779.216	540299.021	8.634	TA 3+50	8.004	**-0.63**				
	48	2130828.058	540288.652	8.786	TA 4+0	7.996	**-0.79**		Tile	540128	
	49	2130876.854	540278.277	8.782	TA 4+50	8.002	**-0.78**				
	50	2130925.579	540267.74	8.677	TA 5+0	7.997	**-0.68**				
	51	2130974.396	540257.262	8.759	TA 5+50	7.999	**-0.76**				
	52	2131023.27	540246.701	8.803	TA 6+0	8.003	**-0.8**				
	53	2131072.087	540236.142	8.542	TA 6+50	8.518	**-0.024**				
	54	2131120.946	540225.804	8.72	TA 7+0	8.798	**0.078**				
	55	2131169.712	540215.36	9.084	TA 7+50	9.004	**-0.08**				
	56	2131218.663	540204.966	8.957	TA 8+0	8.997	**0.04**				
	57	2131267.461	540194.649	8.924	TA 8+50	9.004	**0.08**				
	58	2131316.261	540184.253	9.125	TA 9+0	8.995	**-0.13**				
	59	2131365.436	540175.422	9.001	TA 9+50	9.001	**0**				
	60	2131414.953	540169.062	8.942	TA 10+0	9.002	**0.06**				
	61	2131464.744	540164.835	9.108	TA 10+50	**8.926**	**-0.182**				
	62	2131514.56	540162.934	9.034	TA 11+0	**8.725**	**-0.309**				
	63	2131564.372	540163.874	8.947	TA 11+50	**8.678**	**-0.269**				
	64	2131614.224	540167.244	8.936	TA 12+0	**8.682**	**-0.254**				
Profile 7		Low grass off side of road, unobscured, remove point on steep spillway									
	200	2151961.184	518242.9017	13.6825	GS 0+0	**13.2405**	**-0.442**		Average	-0.17	ft
	201	2152011.337	518244.6763	13.3403	GS 0+50	**12.8973**	**-0.443**		RMSE	0.35	ft
	202	2152044.898	518245.5874	12.7344	BC	**12.7124**	**-0.022**		Std Dev	0.31	ft
	203	2152046.429	518245.8217	12.2104	TC	**12.6954**		**0.485**	Max	0.62	ft
	204	2152047.941	518245.7522	12.8013	BC	**12.7083**	**-0.093**		Min	-0.60	ft
	205	2152061.229	518246.8552	13.7422	GS 1+0	**13.1632**	**-0.579**		Count	38	
	206	2152111.323	518249.1703	14.5384	GS 1+50	**13.9984**	**-0.54**				
	207	2152161.251	518251.2034	14.5994	GS 2+0	**13.9994**	**-0.6**				
	208	2152211.064	518253.1965	14.6044	GS 2+50	**14.0044**	**-0.6**		Tile	516148	
	209	2152246.587	518254.3477	14.1624	BCG	**14.0024**	**-0.16**			516152	
	210	2152247.342	518254.2514	13.6995	FL	**13.9995**	**0.3**				
	211	2152285.986	518256.3204	13.6071	TA	**13.9971**	**0.39**				
	212	2152322.656	518256.8889	13.3768	FL	**13.9968**	**0.62**				
	213	2152323.454	518257.0792	13.81	BCG	**14**	**0.19**				
	214	2152360.726	518256.4685	13.8447	GS 4+0	**14.0047**	**0.16**				
	215	2152410.918	518255.915	13.8419	GS 4+50	**14.0019**	**0.16**				
	216	2152460.773	518255.9042	14.2488	GS 5+0	**13.9988**	**-0.25**				
	217	2152510.46	518255.3552	14.1324	GS 5+50	**14.0024**	**-0.13**				
	218	2152560.211	518255.0037	14.2911	GS 6+0	**14.0011**	**-0.29**				
	219	2152609.886	518254.2685	14.3186	GS 6+50	**13.9986**	**-0.32**				
	220	2152659.452	518253.4295	14.3984	GS 7+0	**13.9984**	**-0.4**				
	221	2152660.934	518253.5599	14.329	BCG	**13.999**	**-0.33**				
	222	2152661.587	518253.0314	13.9026	FL	**14.0026**	**0.1**				
	223	2152697.324	518251.9099	14.063	TA	**14.003**	**-0.06**				
	224	2152733.058	518252.1278	14.2454	FL	**14.2004**	**-0.045**				
	225	2152733.914	518252.2566	14.7199	BCG	**14.2229**	**-0.497**				
	226	2152759.496	518252.6345	14.8008	GS 8+0	**14.7858**	**-0.015**				
	227	2152809.72	518252.1873	14.568	GS 8+50	**14.998**	**0.43**				
	228	2152859.83	518252.2738	14.8139	GS 9+0	**14.8629**	**0.049**				
	229	2152909.742	518252.3591	14.7671	GS 9+50	**14.4921**	**-0.275**				
	230	2152959.694	518252.5582	14.5845	GS 10+0	**14.0045**	**-0.58**				
	231	2153009.661	518252.6019	14.2865	GS 10+50	**13.9965**	**-0.29**				
	232	2153059.525	518252.9507	14.1259	GS 11+0	**13.9959**	**-0.13**				
	233	2153104.845	518253.2189	13.6582	BCG	**13.1972**	**-0.461**				
	234	2153105.671	518253.1034	13.199	FL	**13.165**	**-0.034**				
	235	2153121.163	518253.2683	13.2919	CLR	**13.0019**	**-0.29**				
	236	2153133.8	518253.4612	13.0437	FL	**13.0037**	**-0.04**				
	237	2153134.345	518253.4188	13.4457	BCG	**12.9957**	**-0.45**				
	238	2153159.604	518253.47	13.5368	GS 12+0	**12.9968**	**-0.54**				

AREA 5										
Profile 1	Dirt road, unobscured, 1 pt in rut, other pts is bl									
	5	2000428.607	514812.14	30.358	CLR0+0	29.998	**-0.36**		Average	-0.39 ft
	6	2000429.791	514762.332	30.589	CLR0+50	29.999	**-0.59**		RMSE	0.49 ft
	7	2000431.262	514712.476	30.626	CLR1+0	29.996	**-0.63**		Std Dev	0.31 ft
	8	2000432.507	514662.597	30.571	CLR1+50	30.001	**-0.57**		Max	0.16 ft
	9	2000434.059	514612.54	30.812	CLR2+0	30.002	**-0.81**		Min	-0.97 ft
	10	2000435.112	514562.987	30.542	CLR2+50	30.002	**-0.54**		Count	24
	11	2000436.328	514512.987	30.418	CLR3+0	29.998	**-0.42**			
	12	2000437.351	514462.987	30.157	CLR3+50	29.997	**-0.16**			
	13	2000438.24	514413.156	30.016	CLR4+0	29.732	**-0.284**		Tile	512000
	14	2000427.032	514861.766	30.468	CLR-0+50	29.998	**-0.47**			
	15	2000425.707	514911.899	30.737	CLR-1+0	29.997	**-0.74**			
	16	2000424.75	514961.875	30.74	CLR-1+50	30	**-0.74**			
	17	2000423.618	515011.81	30.973	CLR-2+0	30.003	**-0.97**			
	18	2000422.962	515061.585	31.06	CLR-2+50	30.492	**-0.568**			
	19	2000421.828	515111.52	30.78	CLR-3+0	30.518	**-0.262**			
	20	2000419.972	515161.502	30.844	CLR-3+50	31.004	**0.16**			
	21	2000417.807	515211.563	31.321	CLR-4+0	31.001	**-0.32**			
	22	2000415.281	515261.502	31.291	CLR-4+50	31.001	**-0.29**			
	23	2000411.878	515311.259	31.442	CLR-5+0	31.002	**-0.44**			
	24	2000408.166	515361.19	30.744	CLR-5+50	31.004		**0.26**		
	25	2000406.216	515411.212	30.689	CLR-6+0	30.678	**-0.011**			
	26	2000404.96	515461.349	30.728	CLR-6+50	30.684	**-0.044**			
	27	2000405.27	515511.366	30.533	CLR-7+0	30.003	**-0.53**			
	28	2000406.147	515561.413	30.547	CLR-7+50	30.668	**0.121**			
	29	2000406.44	515611.554	30.853	CLR-8+0	31.003	**0.15**			
Profile 2	Farm field, cultivated, low/med vegetation, partially obscured by ruts									
	5	2017786.933	515374.057	32.68	GS0+0	32.011	**-0.669**		Average	0.02 ft
	6	2017833.017	515393.326	32.171	GS0+50	32.001	**-0.17**		RMSE	0.39 ft
	7	2017879.276	515412.771	32.056	GS1+0	31.996	**-0.06**		Std Dev	0.40 ft
	8	2017925.601	515432.619	31.942	GS1+50	32.002	**0.06**		Max	0.96 ft
	9	2017971.93	515450.547	32.022	GS2+0	32.002	**-0.02**		Min	-0.67 ft
	10	2018017.82	515470.514	31.985	GS2+50	31.995	**0.01**		Count	13
	11	2018064.302	515489.236	31.691	GS3+0	32.001		**0.31**		
	12	2018110.076	515507.955	32.819	GS3+50	32.494	**-0.325**			
	13	2018156.56	515527.022	32.748	GS4+0	32.609	**-0.139**		Tile	512016
	14	2018201.827	515548.339	32.165	GS4+50	31.995	**-0.17**			
	15	2018247.863	515567.03	31.783	GS5+0	32.003		**0.22**		
	16	2018294.202	515586.583	32.039	GS5+50	31.999	**-0.04**			
	17	2018340.555	515605.459	31.697	GS6+0	31.997	**0.3**			
	18	2017740.764	515388.946	31.507	GS-0+50	31.997		**0.49**		
	19	2017693.586	515404.299	32.062	GS-1+0	32.002		**-0.06**		
	20	2017645.835	515420.792	30.891	GS-1+50	31.937		**1.046**		
	21	2017598.396	515436.41	30.906	GS-2+0	31.466	**0.56**			
	22	2017550.802	515452.274	31.038	GS-2+50	31.998	**0.96**			
	23	2017503.436	515467.706	32.371	GS-3+0	32.001		**-0.37**		
	24	2017455.605	515482.859	31.077	GS-3+50	31.997		**0.92**		
	25	2017407.84	515498.068	31.624	GS-4+0	32.004		**0.38**		
	26	2017360.409	515512.891	31.307	GS-4+50	31.997		**0.69**		
	27	2017313.285	515530.375	31.37	GS-5+0	32		**0.63**		
	28	2017265.478	515544.552	32.532	GS-5+50	32.002		**-0.53**		
	29	2017217.92	515559.889	31.85	GS-6+0	32		**0.15**		

Profile 3		Edge of hard surface road, unobscured									
	200	2005188.162	488579.6719	14.8997	EP 0+00	13.9997	**-0.9**			Average	-0.68 ft
	201	2005207.146	488626.0586	14.8673	EP 0+50	13.9973	**-0.87**			RMSE	0.74 ft
	202	2005226.092	488672.2177	14.9225	EP 1+00	14.0025	**-0.92**			Std Dev	0.31 ft
	203	2005244.932	488718.5348	14.826	EP 1+50	13.996	**-0.83**			Max	-0.05 ft
	204	2005263.627	488764.8372	14.6984	EP 2+00	13.9984	**-0.7**			Min	-1.03 ft
	205	2005282.361	488811.2435	14.6053	EP 2+50	13.9953	**-0.61**			Count	25
	206	2005301.125	488857.5001	14.5886	EP 3+00	13.9986	**-0.59**				
	207	2005319.917	488903.784	14.5299	EP 3+50	13.9999	**-0.53**				
	208	2005338.772	488949.9291	14.5338	EP 4+00	14.0038	**-0.53**			Tile	488004
	209	2005357.658	488996.1468	14.544	EP 4+50	14.004	**-0.54**				
	210	2005376.421	489042.3936	14.4562	EP 5+00	13.9962	**-0.46**				
	211	2005395.1	489088.7182	14.25	EP 5+50	14	**-0.25**				
	212	2005413.725	489135.0425	14.1446	EP 6+00	14.0046	**-0.14**				
	213	2005432.665	489181.2767	14.1433	EP 6+50	14.0033	**-0.14**				
	214	2005451.504	489227.5093	14.0491	EP 7+00	13.9991	**-0.05**				
	215	2005470.353	489273.8241	13.9991	EP 7+50	13.5831	**-0.416**				
	216	2005489.078	489319.9736	13.9342	EP 8+00	13.0042	**-0.93**				
	217	2005507.903	489366.211	13.9524	EP 8+50	13.0024	**-0.95**				
	218	2005526.78	489412.4263	14.0014	EP 9+00	13.0014	**-1**				
	219	2005545.838	489458.5871	13.985	EP 9+50	12.995	**-0.99**				
	220	2005564.524	489504.8389	13.9755	EP 10+00	12.9955	**-0.98**				
	221	2005583.304	489551.1589	13.991	EP 10+50	13.001	**-0.99**				
	222	2005601.805	489597.5738	14.0343	EP 11+00	13.0043	**-1.03**				
	223	2005620.507	489643.861	14.0148	EP 11+50	13.0048	**-1.01**				
	224	2005639.084	489690.1565	14.0542	EP 12+00	13.4982	**-0.556**				
Profile 4		Dense trees, obscured									
	200	2030445.053	475567.9296	7.1679	TS	6.9979		**-0.17**		Average	0.09 ft
	201	2030445.031	475572.7104	11.8071	TB	10.9971		**-0.81**		RMSE	0.79 ft
	202	2030444.994	475580.6995	12.5156	COS	11.2606		**-1.255**		Std Dev	0.80 ft
	203	2030444.963	475587.4336	13.7568	TB	11.3838		**-2.373**		Max	1.49 ft
	204	2030444.922	475596.3431	10.7346	TS0+0	11.5646		**0.83**		Min	-2.37 ft
	205	2030444.641	475646.1812	11.2312	GS0+50	11.2532		**0.022**		Count	30
	206	2030444.398	475696.2119	11.0302	GS1+0	10.6662		**-0.364**			
	207	2030443.555	475745.8956	11.6619	GS1+50	10.7539		**-0.908**			
	208	2030440.452	475795.9677	11.2477	GS2+0	10.9597		**-0.288**		Tile	472028
	209	2030437.095	475846.233	10.6776	GS2+50	10.1106		**-0.567**			476028
	210	2030503.977	475750.6187	11.6818	TAID5-5A	11.0018		**-0.68**			
	211	2030434.282	475900.9716	10.5744	GS3+05	10.6014		**0.027**			
	212	2030433.845	475946.0908	11.4197	GS3+50	10.9997		**-0.42**			
	213	2030433.36	475996.2325	11.2359	GS4+0	10.9959		**-0.24**			
	214	2030432.875	476046.3832	10.4424	GS4+50	11.0024		**0.56**			
	215	2030432.392	476096.3818	10.4317	GS5+0	11.0017		**0.57**			
	216	2030438.794	476145.4102	10.491	GS5+50	11.001		**0.51**			
	217	2030450.884	476194.2774	10.4684	GS6+0	10.9984		**0.53**			
	218	2030462.836	476242.5832	10.6002	GS6+50	11.0002		**0.4**			
	219	2030474.831	476291.0611	10.3426	GS7+0	10.9496		**0.607**			
	220	2030486.839	476339.5985	10.1362	GS7+50	10.9962		**0.86**			
	221	2030498.971	476388.6347	10.2607	GS8+0	11.0007		**0.74**			
	222	2030507.545	476436.4113	10.2519	GS8+50	10.9299		**0.678**			
	223	2030507.6	476485.9818	10.0017	GS9+0	10.9827		**0.981**			
	224	2030507.657	476536.0685	9.511	GS9+50	11.001		**1.49**			
	225	2030507.714	476586.0451	10.2103	GS10+0	11.0003		**0.79**			
	226	2030507.77	476636.1385	10.1803	GS10+50	10.3083		**0.128**			
	227	2030507.827	476685.6805	10.1812	GS11+0	10.2032		**0.022**			
	228	2030507.884	476736.0683	9.8538	GS11+50	10.6438		**0.79**			
	229	2030507.939	476785.9684	9.8827	GS12+0	10.0967		**0.214**			
Profile 5		unobscured along edge of field									
	200	2045493.179	476492.3119	10.0187	GS 0+0	9.9987	**-0.02**			Average	-0.03 ft
	201	2045542.965	476491.6685	9.9563	GS 0+50	9.9963	**0.04**			RMSE	0.29 ft
	202	2045593.264	476490.7529	9.9689	GS 1+0	9.9989	**0.03**			Std Dev	0.29 ft
	203	2045643.325	476490.01	9.8139	GS 1+50	9.8579	**0.044**			Max	0.71 ft
	204	2045692.716	476489.2067	9.7116	GS 2+0	9.0016	**-0.71**			Min	-0.71 ft
	205	2045742.527	476488.2149	9.6622	GS 2+50	9.0022	**-0.66**			Count	25
	206	2045792.643	476487.8222	9.3651	GS 3+0	9.3641	**-0.001**				
	207	2045842.613	476486.7772	9.3347	GS 3+50	9.1627	**-0.172**				
	208	2045892.25	476485.8093	9.0571	GS 4+0	8.9971	**-0.06**			Tile	476044
	209	2045942.117	476484.9074	9.2268	GS 4+50	8.9968	**-0.23**				
	210	2045992.174	476484.0838	9.1255	GS 5+0	8.9955	**-0.13**				
	211	2046041.966	476483.0318	9.1517	GS 5+50	9.0017	**-0.15**				
	212	2046091.826	476482.4015	9.0793	GS 6+0	8.9993	**-0.08**				
	213	2046141.558	476481.3937	8.8838	GS 6+50	9.0038	**0.12**				
	214	2046191.647	476480.6238	8.9001	GS 7+0	9.0001	**0.1**				
	215	2046241.207	476479.6182	8.9258	GS 7+50	8.9958	**0.07**				
	216	2046291.201	476478.8566	9.2703	GS 8+0	9.9773	**0.707**				
	217	2046290.715	476429.1406	8.7304	GS 8+50	9.0004	**0.27**				
	218	2046290.184	476378.742	8.5146	GS 9+0	9.0046	**0.49**				
	219	2046289.51	476329.0946	8.1534	GS 9+50	8.1324	**-0.021**				
	220	2046288.82	476278.8278	8.2452	GS 10+0	7.9952	**-0.25**				
	221	2046288.318	476229.031	8.2447	GS 10+50	8.0047	**-0.24**				
	222	2046287.61	476179.2534	8.023	GS 11+0	8.003	**-0.02**				
	223	2046286.797	476129.1184	7.9638	GS 11+50	8.0038	**0.04**				
	224	2046286.079	476079.2849	7.9215	GS 12+0	8.0015	**0.08**				

Profile 6	Golf Course, unobscured, 3 points located on edge of hill (need to verify 10 and 22)									
4	2077156.051	483049.716	31.829	GS0+0	31.634	**-0.195**		Average	0.26	ft
5	2077108.501	483064.823	28.892	GS0+50	29.529	**0.637**		RMSE	0.44	ft
6	2077060.922	483080.05	27.04	GS1+0	27.751	**0.711**		Std Dev	0.36	ft
7	2077013.054	483095.442	25.338	GS1+50	25.723	**0.385**		Max	0.87	ft
8	2076965.546	483110.563	23.633	GS2+0	24.003	**0.37**		Min	-0.67	ft
9	2076917.787	483125.77	24.859	GS2+50	24.947	**0.088**		Count	22	
10	2076870.428	483141.092	27.654	GS3+0	27.33		**-0.324**			
11	2076822.783	483156.257	26.525	GS3+50	26.502	**-0.023**				
12	2076775.15	483171.529	25.992	GS4+0	26.041	**0.049**		Tile	480072	
13	2076727.608	483186.556	27.977	GS4+50	27.444		**-0.533**		480076	
14	2076679.895	483201.587	25.326	GS5+0	25.569	**0.243**				
15	2076632.133	483216.676	24.801	GS5+50	24.786	**-0.015**				
16	2076584.505	483231.931	24.065	GS6+0	24.207	**0.142**				
17	2076534.896	483236.95	24.409	GS6+50	24.113	**-0.296**				
18	2076485.018	483242.258	23.748	GS7+0	24.282	**0.534**				
19	2076435.392	483247.65	26.667	GS7+50	25.997	**-0.67**				
20	2076385.746	483253.277	23.938	GS8+0	24.44	**0.502**				
21	2076335.986	483258.604	23.511	GS8+50	24.001	**0.49**				
22	2076286.309	483263.568	27.633	GS9+0	27.221		**-0.412**			
23	2076236.472	483268.84	28.293	GS9+50	28.541	**0.248**				
24	2076186.807	483273.907	26.984	GS10+0	27.241	**0.257**				
25	2076138.349	483284.732	23.755	GS10+50	24.419	**0.664**				
26	2076089.266	483295.824	23.937	GS11+0	24.338	**0.401**				
27	2076040.63	483307.234	23.937	GS11+50	24.811	**0.874**				
28	2075991.849	483318.386	25.615	GS12+0	26.017	**0.402**				
Profile 7 GPS	2D points									
4	2078110.969	462227.913	27.118	SNDSJC	26.881	**-0.237**		Average	-0.41	ft
5	2077301.104	461961.031	30.66	FNDPCPLB6	29	**-1.66**		RMSE	0.69	ft
6	2077421.847	462669.633	33.401	TA5-14ID	33.001	**-0.4**		Std Dev	0.60	ft
7	2077237.192	463003.656	33.607	CC5-15ID	32.997	**-0.61**		Max	0.10	ft
8	2077053.275	463571.92	33.027	CC5-17ID	32.997	**-0.03**		Min	-1.66	ft
9	2076577.26	463154.146	33.126	CC5-16ID	33.065	**-0.061**		Count	7	
10	2087859.843	451868.786	24.233	FIR03-4WOC	24.33	**0.097**				
Profile 7 line	Scrub, sparse trees, obscured, 1.5 to 2 ft underbrush and 10ft trees									
200	2077294.329	461930.7194	30.1025	EP	29.0025		**-1.1**	Average	0.49	ft
201	2077289.447	461908.8741	28.6032	GS 0+0	28.8552		**0.252**	RMSE	0.65	ft
202	2077287.524	461900.2687	28.3969	TL	28.6569		**0.26**	Std Dev	0.44	ft
203	2077278.651	461860.5712	27.8062	GS 0+50	28.9962		**1.19**	Max	1.19	ft
204	2077267.727	461811.6943	27.5191	GS 1+0	28.2031		**0.684**	Min	-1.10	ft
205	2077256.815	461762.8701	27.9019	GS 1+50	28.8549		**0.953**	Count	27	
206	2077245.836	461713.7571	28.3292	GS 2+0	28.9992		**0.67**			
207	2077234.988	461665.2119	28.7429	GS 2+50	29.0029		**0.26**			
208	2077224.077	461616.3959	28.7592	GS 3+0	28.7502		**-0.009**	Tile	460076	
209	2077213.143	461567.4841	28.3911	GS 3+50	28.7471		**0.356**			
210	2077202.296	461518.9409	28.4244	GS 4+0	29.0044		**0.58**			
211	2077191.451	461470.4176	28.4966	GS 4+50	28.9966		**0.5**			
212	2077180.489	461421.3873	28.6841	GS 5+0	28.6731		**-0.011**			
213	2077169.645	461372.8669	27.7753	GS 5+50	28.3413		**0.566**			
214	2077158.733	461324.032	27.4359	GS 6+0	27.9959		**0.56**			
215	2077148.018	461275.9015	27.2772	GS 6+50	27.7452		**0.468**			
216	2077137.014	461226.6541	26.9999	GS 7+0	27.7549		**0.755**			
217	2077126.094	461177.7815	27.6897	GS 7+50	27.9997		**0.31**			
218	2077115.191	461128.9829	27.286	GS 8+0	27.996		**0.71**			
219	2077104.227	461079.9162	28.2488	GS 8+50	28.1858		**-0.063**			
220	2077093.376	461031.3522	28.0597	GS 9+0	28.9997		**0.94**			
221	2077082.46	460982.4971	28.2024	GS 9+50	28.9494		**0.747**			
222	2077071.539	460933.6199	27.3284	GS 10+0	28.1594		**0.831**			
223	2077060.732	460885.2523	27.1726	GS 10+50	28.0026		**0.83**			
224	2077049.773	460836.2023	27.6164	GS 11+0	27.9964		**0.38**			
225	2077038.865	460787.3856	27.3063	GS 11+50	27.9963		**0.69**			
226	2077027.821	460737.9439	27.1957	GS 12+0	27.9957		**0.8**			

Profile 8	Hard surfaced road, unobscured									
4	2085108.908	448074.764	14.265	TA0+0	13.995	**-0.27**			Average	-0.33 ft
5	2085142.842	448111.534	13.76	TA0+50	13.644	**-0.116**			RMSE	0.51 ft
6	2085176.464	448148.385	13.67	TA1+0	13.242	**-0.428**			Std Dev	0.39 ft
7	2085210.471	448184.963	13.782	TA1+50	14.002	**0.22**			Max	0.49 ft
8	2085244.267	448221.834	14.053	TA2+0	14.121	**0.068**			Min	-1.04 ft
9	2085278.091	448258.678	14.227	TA2+50	14.336	**0.109**			Count	26
10	2085310.651	448296.633	14.258	TA3+0	13.998	**-0.26**				
11	2085343.464	448334.239	14.093	TA3+50	14.003	**-0.09**				
12	2085376.307	448371.702	14.306	TA4+0	13.973	**-0.333**			Tile	448084
13	2085409.598	448409.109	14.645	TA4+50	13.995	**-0.65**				
14	2085442.741	448446.655	14.909	TA5+0	13.999	**-0.91**				
15	2085476.112	448483.99	14.812	TA5+50	14.002	**-0.81**				
16	2085509.452	448521.394	15.04	TA6+0	14	**-1.04**				
17	2085543.075	448558.619	14.904	TA6+50	14.004	**-0.9**				
18	2085576.352	448596.017	14.954	TA7+0	14.417	**-0.537**				
19	2085610.199	448633.094	15.138	TA7+50	15.351	**0.213**				
20	2085643.54	448670.461	15.499	TA8+0	14.999	**-0.5**				
21	2085677.22	448707.657	15.746	TA8+50	15.238	**-0.508**				
22	2085711.599	448743.994	16.111	TA9+0	16.001	**-0.11**				
23	2085772.233	448755.902	16.358	TA9+50	16.852	**0.494**				
24	2085806.787	448793.498	16.835	TA10+0	16.995	**0.16**				
25	2085840.441	448830.553	17.336	TA10+50	16.996	**-0.34**				
26	2085873.58	448868.525	17.809	TA11+0	17.348	**-0.461**				
27	2085905.791	448906.836	18.355	TA11+50	17.995	**-0.36**				
28	2085938.377	448944.519	18.793	TA12+0	18.003	**-0.79**				
29	2085971.211	448982.334	19.408	TA12+50	18.998	**-0.41**				
Profile 9	Dirt road, unobscured, 1 pt located in rut									
4	2092074.012	477149.658	20.56	CLR 0+0	20.097	**-0.463**			Average	-0.12 ft
5	2092107.063	477187.686	20.407	CLR 0+50	20.176	**-0.231**			RMSE	0.30 ft
6	2092138.719	477226.043	20.587	CLR 1+0	20.519	**-0.068**			Std Dev	0.28 ft
7	2092169.365	477265.854	20.831	CLR 1+50	20.914	**0.083**			Max	0.59 ft
8	2092198.156	477307.217	21	CLR 2+0	21	**0**			Min	-0.58 ft
9	2092223.099	477351.555	21.161	CLR 2+50	21.001	**-0.16**			Count	24
10	2092240.583	477398.823	21.035	CLR 3+0	20.995	**-0.04**				
11	2092251.205	477448.142	21.033	CLR 3+50	21.003	**-0.03**				
12	2092255.031	477498.351	21.055	CLR 4+0	20.726	**-0.329**			Tile	476092
13	2092254.309	477548.553	20.882	CLR 4+50	21.002	**0.12**				
14	2092253.064	477598.547	20.884	CLR 5+0	20.639	**-0.245**				
15	2092251.629	477648.498	20.852	CLR 5+50	20.277	**-0.575**				
16	2092250.525	477698.627	20.327	CLR 6+0	20.256		**-0.071**			
17	2092249.435	477748.475	20.517	CLR 6+50	20.3	**-0.217**				
18	2092248.548	477798.37	20.644	CLR 7+0	20.308	**-0.336**				
19	2092247.369	477848.326	20.529	CLR 7+50	20.081	**-0.448**				
20	2092247.374	477898.412	20.377	CLR 8+0	19.997	**-0.38**				
21	2092249.066	477948.573	20.28	CLR 8+50	20	**-0.28**				
22	2092250.73	477998.757	20.03	CLR 9+0	20	**-0.03**				
23	2092248.277	478048.587	20.329	CLR 9+50	19.999	**-0.33**				
24	2092245.527	478098.571	20.291	CLR 10+0	20.001	**-0.29**				
25	2092243.624	478148.26	19.935	CLR 10+50	20.005	**0.07**				
26	2092241.817	478198.171	19.748	CLR 11+0	19.998	**0.25**				
27	2092240.328	478248.42	19.408	CLR 11+50	19.998	**0.59**				
28	2092240.768	478298.412	19.655	CLI 12+0	19.995	**0.34**				
Profile 10	Urban road, partially obscured by trees, 3 pts do not fit ground									
3	2105292.622	456587.55	8.794	CLR0+0	8.626	**-0.168**			Average	-0.32 ft
4	2105324.758	456626.356	8.981	CLR0+50	8.275		**-0.706**		RMSE	0.40 ft
5	2105356.406	456665.37	9.21	CLR1+0	8.288		**-0.922**		Std Dev	0.25 ft
6	2105387.38	456704.292	9.042	CLR1+50	8.25		**-0.792**		Max	0.11 ft
7	2105419.05	456743	8.656	CLR2+0	8.184	**-0.472**			Min	-0.89 ft
8	2105450.657	456782.087	8.188	CLR2+50	7.998	**-0.19**			Count	22
9	2105482.221	456820.866	7.736	CLR3+0	7.529	**-0.207**				
10	2105513.75	456859.675	7.366	CLR3+50	7.421	**0.055**				
11	2105545.478	456898.792	7.824	CLR4+0	7.376	**-0.448**			Tile	456104
12	2105577.048	456937.593	7.289	CLR4+50	7.311	**0.022**				
13	2105608.42	456976.618	7.11	CLR5+0	7.224	**0.114**				
14	2105640.266	457015.312	7.545	CLR5+50	6.995	**-0.55**				
15	2105671.662	457054.08	7.31	CLR6+0	7	**-0.31**				
16	2105703.701	457092.795	7.602	CLR6+50	7.047	**-0.555**				
17	2105734.711	457131.834	7.481	CLR7+0	7.119	**-0.362**				
18	2105766.057	457170.809	7.31	CLR7+50	7.046	**-0.264**				
19	2105796.8	457209.888	7.065	CLR8+0	6.995	**-0.07**				
20	2105828.894	457248.741	7.384	CLR8+50	7.004	**-0.38**				
21	2105860.154	457287.64	7.584	CLR9+0	7.004	**-0.58**				
22	2105891.703	457326.577	7.196	CLR9+50	6.996	**-0.2**				
23	2105923.101	457365.583	7.31	CLR10+0	7	**-0.31**				
24	2105953.938	457404.817	7.319	CLR10+50	6.999	**-0.32**				
25	2105985.199	457444.17	7.888	CLR11+0	6.998	**-0.89**				
26	2106015.921	457483.727	7.716	CLR11+50	7.028	**-0.688**				
27	2106046.639	457523.182	7.859	CLR12+0	7.487	**-0.372**				

AREA 6										
Profile 1		Edge of Pavement, unobscured								
	4	2073852.5	552642.84	14.899	TA 0+0	14.851	**-0.048**		Average	0.19 ft
	5	2073901.311	552632.084	15.036	TA 0+50	14.769	**-0.267**		RMSE	0.40 ft
	6	2073950.279	552621.502	14.923	TA 1+0	15.003	**0.08**		Std Dev	0.36 ft
	7	2073999.227	552610.786	14.84	TA 1+50	15	**0.16**		Max	0.84 ft
	8	2074048.134	552599.952	14.964	TA 2+0	15.004	**0.04**		Min	-0.78 ft
	9	2074097.055	552589.112	14.999	TA 2+50	14.999	**0**		Count	25
	10	2074146.029	552578.351	14.806	TA 3+0	14.996	**0.19**			
	11	2074194.908	552567.616	14.698	TA 3+50	14.247	**-0.451**			
	12	2074243.883	552556.907	14.777	TA 4+0	13.997	**-0.78**		Tile	552072
	13	2074292.875	552546.326	14.875	TA 4+50	14.838	**-0.037**			
	14	2074341.876	552535.771	14.695	TA 5+0	14.922	**0.227**			
	15	2074390.795	552524.889	14.566	TA 5+50	14.939	**0.373**			
	16	2074439.673	552514.312	14.367	TA 6+0	14.849	**0.482**			
	17	2074488.575	552503.7	14.389	TA 6+50	14.791	**0.402**			
	18	2074537.508	552492.975	14.295	TA 7+0	14.605	**0.31**			
	19	2074586.386	552482.156	14.224	TA 7+50	14.004	**-0.22**			
	20	2074635.381	552471.412	14.297	TA 8+0	14.671	**0.374**			
	21	2074684.401	552460.645	14.156	TA 8+50	14.996	**0.84**			
	22	2074733.355	552449.822	14.337	TA 9+0	14.722	**0.385**			
	23	2074782.274	552439.1	14.471	TA 9+50	14.747	**0.276**			
	24	2074831.267	552428.345	14.322	TA 10+0	14.669	**0.347**			
	25	2074880.125	552417.631	14.093	TA 10+50	14.757	**0.664**			
	26	2074929.073	552406.831	14.014	TA 11+0	14.533	**0.519**			
	27	2074977.947	552396.159	14.04	TA 11+50	14.459	**0.419**			
	28	2075026.818	552385.402	14.203	TA 12+0	14.611	**0.408**			
Profile 2		Edge of Pavement, unobscured								
	31	2054574.112	556815.293	17.666	TA 0+0	17.794	**0.128**		Average	0.12 ft
	32	2054622.954	556804.554	17.704	TA 0+50	17.75	**0.046**		RMSE	0.24 ft
	33	2054672.014	556793.915	17.512	TA 1+0	18.002	**0.49**		Std Dev	0.22 ft
	34	2054720.871	556783.049	17.534	TA 1+50	17.53	**-0.004**		Max	0.52 ft
	35	2054769.731	556771.993	17.608	TA 2+0	17.569	**-0.039**		Min	-0.37 ft
	36	2054818.618	556761.068	17.779	TA 2+50	17.751	**-0.028**		Count	25
	37	2054867.573	556750.224	17.716	TA 3+0	17.89	**0.174**			
	38	2054916.525	556739.446	17.81	TA 3+50	17.883	**0.073**			
	39	2054965.477	556728.788	17.698	TA 4+0	17.783	**0.085**		Tile	556052
	40	2055014.515	556717.82	17.745	TA 4+50	17.659	**-0.086**			
	41	2055063.414	556707.23	17.571	TA 5+0	17.536	**-0.035**			
	42	2055112.31	556696.382	17.567	TA 5+50	17.601	**0.034**			
	43	2055161.158	556685.491	17.604	TA 6+0	17.804	**0.2**			
	44	2055210.04	556674.769	17.586	TA 6+50	17.744	**0.158**			
	45	2055259.033	556663.902	17.35	TA 7+0	17.735	**0.385**			
	46	2055307.871	556653.076	17.334	TA 7+50	17.74	**0.406**			
	47	2055356.835	556642.256	17.09	TA 8+0	17	**-0.09**			
	48	2055405.927	556631.471	16.967	TA 8+50	16.602	**-0.365**			
	49	2055454.761	556620.672	16.822	TA 9+0	16.738	**-0.084**			
	50	2055503.919	556609.989	16.737	TA 9+50	16.803	**0.066**			
	51	2055552.814	556599.034	16.656	TA 10+0	16.751	**0.095**			
	52	2055601.853	556588.252	16.529	TA 10+50	16.626	**0.097**			
	53	2055650.805	556577.468	16.317	TA 11+0	16.707	**0.39**			
	54	2055699.735	556566.726	16.221	TA 11+50	16.685	**0.464**			
	55	2055748.651	556556.112	16.104	TA 12+0	16.621	**0.517**			

profile 3	Edge of pavement, unobscured										
200	2099883.185	547422.6673	16.4688	TA0+0	15.9988	**-0.47**			Average	-0.37	ft
201	2099932.161	547412.1994	16.6919	TA0+50	16.2229	**-0.469**			RMSE	0.41	ft
202	2099981.023	547401.6872	17.066	TA1+0	16.838	**-0.228**			Std Dev	0.19	ft
203	2100029.915	547391.1213	17.6115	TA1+50	17.0015	**-0.61**			Max	-0.05	ft
204	2100078.884	547380.6205	17.8519	TA2+0	17.2939	**-0.558**			Min	-0.61	ft
205	2100127.884	547370.3374	18.1245	TA2+50	18.0045	**-0.12**			Count	25	
206	2100176.856	547359.9254	18.6151	TA3+0	18.3161	**-0.299**					
207	2100225.839	547349.5418	18.8646	TA3+50	18.2956	**-0.569**					
208	2100274.805	547339.0637	19.0258	TA4+0	18.4598	**-0.566**			Tile	544096	
209	2100323.778	547328.6522	19.1933	TA4+50	19.0033	**-0.19**				544100	
210	2100372.714	547318.153	19.6288	TA5+0	19.2838	**-0.345**					
211	2100421.618	547307.6226	19.6787	TA5+50	19.1537	**-0.525**					
212	2100470.56	547297.0483	19.8199	TA6+0	19.2529	**-0.567**					
213	2100519.459	547286.2545	19.9041	TA6+50	19.2941	**-0.61**					
214	2100568.356	547275.5165	19.7864	TA7+0	19.3524	**-0.434**					
215	2100617.297	547264.8803	19.865	TA7+50	19.377	**-0.488**					
216	2100666.187	547254.3074	19.7794	TA8+0	19.4014	**-0.378**					
217	2100715.092	547243.6412	19.6586	TA8+50	19.2686	**-0.39**					
218	2100764.028	547232.85	19.8765	TA9+0	19.3215	**-0.555**					
219	2100812.866	547222.096	19.7542	TA9+50	19.3822	**-0.372**					
220	2100861.81	547211.3742	19.5009	TA10+0	19.3559	**-0.145**					
221	2100910.633	547200.5628	19.2396	TA10+50	19.1896	**-0.05**					
222	2100959.525	547189.7937	19.2971	TA11+0	19.2481	**-0.049**					
223	2101008.452	547179.1962	19.3672	TA11+50	19.2382	**-0.129**					
224	2101057.401	547168.6079	19.3058	TA12+0	19.2188	**-0.087**					
profile 4	Farm field, low crops, crops 3ft tall, obscured										
4	2086266.746	527441.232	30.996	GS 0+0	31.286		**0.29**		Average	0.29	ft
5	2086220.72	527461.038	30.742	GS 0+50	30.944		**0.202**		RMSE	0.49	ft
6	2086174.448	527480.384	30.282	GS 1+0	30.81		**0.528**		Std Dev	0.40	ft
7	2086128.29	527499.535	29.803	GS 1+50	30.778		**0.975**		Max	0.98	ft
8	2086083.627	527521.386	29.714	GS 2+0	30.492		**0.778**		Min	-0.63	ft
9	2086040.136	527546.37	29.979	GS 2+50	30.034		**0.055**		Count	25	
10	2086001.763	527578.257	29.003	GS 3+0	29.898		**0.895**				
11	2085964.524	527611.68	29.426	GS 3+50	29.723		**0.297**				
12	2085922.75	527639.302	29.885	GS 4+0	29.594		**-0.291**		Tile	524084	
13	2085883.071	527669.508	29.141	GS 4+50	29.424		**0.283**			528084	
14	2085846.367	527703.659	28.674	GS 5+0	29.163		**0.489**				
15	2085803.974	527731.414	28.441	GS 5+50	29.093		**0.652**				
16	2085765.147	527763.23	28.385	GS 6+0	28.577		**0.192**				
17	2085732.672	527799.572	27.51	GS 6+50	28.217		**0.707**				
18	2085702.654	527840.244	28.637	GS 7+0	28.005		**-0.632**				
19	2085684.509	527886.5	28.079	GS 7+50	27.999		**-0.08**				
20	2085664.137	527931.847	27.943	GS 8+0	28.003		**0.06**				
21	2085643.826	527977.598	28	GS 8+50	28		**0**				
22	2085627.195	528024.025	27.539	GS 9+0	27.999		**0.46**				
23	2085602.238	528067.475	27.258	GS 9+50	27.998		**0.74**				
24	2085576.331	528110.09	27.392	GS 10+0	28.002		**0.61**				
25	2085547.443	528151.271	27.648	GS 10+50	27.998		**0.35**				
26	2085510.978	528184.827	27.642	GS 11+0	27.522		**-0.12**				
27	2085471.172	528215.114	27.043	GS 11+50	27.003		**-0.04**				
28	2085429.099	528241.187	26.868	GS 12+0	26.672		**-0.196**				
Profile 5	Dirt road, unobscured, last 2 points are floating above ground										
4	2065110.133	542308.49	3.597	GS0+0	2.997	**-0.6**			Average	-0.54	ft
5	2065060.846	542317.378	3.353	GS0+50	3.003	**-0.35**			RMSE	0.60	ft
6	2065011.132	542322.147	3.363	GS1+0	3.003	**-0.36**			Std Dev	0.28	ft
7	2064961.33	542326.587	3.448	GS1+50	2.998	**-0.45**			Max	0.06	ft
8	2064911.506	542330.624	3.659	GS2+0	2.999	**-0.66**			Min	-1.47	ft
9	2064861.61	542335.554	3.618	GS2+50	2.998	**-0.62**			Count	24	
10	2064812.229	542340.002	4.477	GS3+0	3.003	**-1.474**					
11	2064762.01	542344.046	3.579	GS3+50	3.135	**-0.444**					
12	2064712.221	542347.713	3.773	GS4+0	3.211	**-0.562**			Tile	540064	
13	2064662.422	542351.931	3.847	GS4+50	2.997	**-0.85**					
14	2064612.481	542355.286	3.415	GS5+0	2.995	**-0.42**					
15	2064562.658	542357.64	3.537	GS5+50	2.997	**-0.54**					
16	2064512.721	542355.97	3.427	GS6+0	2.997	**-0.43**					
17	2064463.85	542346.439	3.67	GS6+50	3	**-0.67**					
18	2064418.106	542326.279	3.481	GS7+0	3.001	**-0.48**					
19	2064378.434	542296.22	3.483	GS7+50	3.003	**-0.48**					
20	2064343.217	542260.786	3.941	GS8+0	4.001	**0.06**					
21	2064311.792	542221.874	3.679	GS8+50	3.592	**-0.087**					
22	2064280.412	542182.944	3.344	GS9+0	3.004	**-0.34**					
23	2064249.364	542143.679	3.689	GS9+50	2.999	**-0.69**					
24	2064217.785	542104.804	3.628	GS10+0	2.998	**-0.63**					
25	2064186.434	542065.731	3.659	GS10+50	2.999	**-0.66**					
26	2064155.513	542026.37	3.553	GS11+0	3.003	**-0.55**					
27	2064133.706	541997.359	3.573	GS11+36.3	3.003	**-0.57**					
28	2064125.038	541986.538	4.385	TA11+50	2.995		**-1.39**				
29	2064094.391	541947.027	5.05	TA12+0	3		**-2.05**				

Profile 6		Dirt Vehicle path, scrub. Tall grass, ruts, obscured								
	35	2064396.403	529318.875	40.255	GS0+0	40.573		**0.318**	Average	0.67 ft
	36	2064446.411	529314.106	40.543	GS0+50	41.003		**0.46**	RMSE	0.75 ft
	37	2064496.117	529310.2	40.214	GS1+0	41.004		**0.79**	Std Dev	0.35 ft
	38	2064545.945	529307.065	39.827	GS1+50	40.954		**1.127**	Max	1.37 ft
	39	2064595.914	529304.339	39.567	GS2+0	40.846		**1.279**	Min	0.03 ft
	40	2064645.645	529299.383	39.53	GS2+50	40.73		**1.2**	Count	25
	41	2064695.076	529291.607	39.631	GS3+0	41.001		**1.37**		
	42	2064744.157	529282.375	39.941	GS3+50	41.001		**1.06**		
	43	2064792.324	529268.701	40.376	GS4+0	40.996		**0.62**	Tile	528064
	44	2064840.175	529253.768	40.479	GS4+50	40.999		**0.52**		
	45	2064887.592	529238.514	40.526	GS5+0	40.996		**0.47**		
	46	2064935.691	529224.414	40.258	GS5+50	40.998		**0.74**		
	47	2064984.118	529212.286	40.401	GS6+0	41.001		**0.6**		
	48	2065032.986	529202.447	40.586	GS6+50	40.996		**0.41**		
	49	2065081.771	529192.137	40.473	GS7+0	41.003		**0.53**		
	50	2065130.171	529179.882	40.137	GS7+50	40.997		**0.86**		
	51	2065177.305	529162.89	39.843	GS8+0	40.552		**0.709**		
	52	2065223.07	529143.162	39.65	GS8+50	40.026		**0.376**		
	53	2065268.896	529123.826	39.096	GS9+0	39.996		**0.9**		
	54	2065315.783	529106.724	39.379	GS9+50	39.999		**0.62**		
	55	2065364.504	529094.384	39.966	GS10+0	39.996		**0.03**		
	56	2065413.92	529086.666	39.697	GS10+50	39.997		**0.3**		
	57	2065463.631	529082.166	39.798	GS11+0	39.998		**0.2**		
	58	2065513.63	529078.448	39.676	GS11+50	39.996		**0.32**		
	59	2065563.758	529075.982	39.124	GS12+0	40.004		**0.88**		
profile 7		Dirt road, unobscured								
	4	2040444.34	535484.385	34.771	GS 0+0	34.528	**-0.243**		Average	-0.22 ft
	5	2040491.682	535468.793	34.759	GS 0+50	34.999	**0.24**		RMSE	0.34 ft
	6	2040539.049	535452.509	35.397	GS 1+0	34.997	**-0.4**		Std Dev	0.26 ft
	7	2040586.303	535436.279	35.348	GS 1+50	34.998	**-0.35**		Max	0.24 ft
	8	2040633.752	535420.441	35.367	GS 2+0	34.997	**-0.37**		Min	-0.85 ft
	9	2040681.219	535405.273	34.797	GS 2+50	34.997	**0.2**		Count	25
	10	2040728.622	535389.455	34.767	GS 3+0	34.443	**-0.324**			
	11	2040775.989	535373.374	34.675	GS 3+50	34.432	**-0.243**			
	12	2040823.199	535357.414	34.72	GS 4+0	34.427	**-0.293**		Tile	532040
	13	2040870.495	535341.287	34.608	GS 4+50	34.379	**-0.229**			
	14	2040917.88	535325.326	34.493	GS 5+0	34.418	**-0.075**			
	15	2040965.098	535309.2	34.673	GS 5+50	34.471	**-0.202**			
	16	2041012.415	535293.54	35.171	GS 6+0	34.872	**-0.299**			
	17	2041059.82	535277.9	35.029	GS 6+50	34.999	**-0.03**			
	18	2041107.406	535262.227	34.853	GS 7+0	35.003	**0.15**			
	19	2041154.884	535246.698	34.868	GS 7+50	34.998	**0.13**			
	20	2041202.362	535231.061	34.964	GS 8+0	35.004	**0.04**			
	21	2041249.845	535215.635	35.195	GS 8+50	34.995	**-0.2**			
	22	2041297.516	535200.252	35.226	GS 9+0	34.996	**-0.23**			
	23	2041345.477	535185.92	35.293	GS 9+50	35.003	**-0.29**			
	24	2041393.255	535170.963	35.594	GS 10+0	35.004	**-0.59**			
	25	2041441.122	535156.226	35.639	GS 10+50	34.999	**-0.64**			
	26	2041489.254	535142.53	35.581	GS 11+0	34.733	**-0.848**			
	27	2041537.53	535129.399	34.747	GS 11+50	34.361	**-0.386**			
	28	2041586.39	535118.114	34.519	GS 12+0	34.398	**-0.121**			

Area 7									
Profile 1	Unobscured, dirt road								
4	1924895.97	526910.602	26.547	GS0+0	26.394	**-0.153**		Average	0.01 ft
5	1924933.745	526942.753	26.485	GS0+50	27.012	**0.527**		RMSE	0.33 ft
6	1924970.283	526976.899	26.761	GS1+0	26.424	**-0.337**		Std Dev	0.34 ft
7	1925005.89	527011.781	26.781	GS1+50	26.539	**-0.242**		Max	0.65 ft
8	1925043.114	527045.144	26.921	GS2+0	27.172	**0.251**		Min	-0.61 ft
9	1925079.822	527078.989	27.189	GS2+50	27.299	**0.11**		Count	25
10	1925115.63	527113.872	27.335	GS3+0	27.366	**0.031**			
11	1925152.847	527147.291	27.771	GS3+50	27.365	**-0.406**			
12	1925189.173	527181.646	27.574	GS4+0	27.382	**-0.192**		Tile	524924
13	1925226.047	527215.514	27.436	GS4+50	27.443	**0.007**			
14	1925263.217	527249.06	27.356	GS5+0	27.526	**0.17**			
15	1925300.167	527282.655	27.102	GS5+50	27.509	**0.407**			
16	1925337.112	527316.369	27.052	GS6+0	27.002	**-0.05**			
17	1925373.684	527350.3	26.709	GS6+50	26.999	**0.29**			
18	1925409.626	527385.057	26.512	GS7+0	26.294	**-0.218**			
19	1925445.53	527419.735	26.836	GS7+50	26.223	**-0.613**			
20	1925482.419	527453.428	26.798	GS8+0	26.258	**-0.54**			
21	1925520.619	527483.519	26.281	GS8+50	26.546	**0.265**			
22	1925558.197	527518.498	27.102	GS9+0	27.002	**-0.1**			
23	1925594.345	527553.006	26.806	GS9+50	27.438	**0.632**			
24	1925631.262	527586.472	27.299	GS10++0	27.51	**0.211**			
25	1924859.059	526877.596	26.295	GS-0+50	26.104	**-0.191**			
26	1924821.118	526845.568	25.672	GS-1+0	26.321	**0.649**			
27	1924777.381	526822.278	26.084	GS-1+50	26.004	**-0.08**			
28	1924732.434	526801.577	26.397	GS-2+0	26.284	**-0.113**			
Profile 2	Unobscured, center of paved road								
4	1935175.673	554517.607	35.59	TA 0+0	35.778	**0.188**		Average	-0.29 ft
5	1935171.868	554467.736	35.8	TA 0+50	36	**0.2**		RMSE	0.47 ft
6	1935167.7	554417.885	35.878	TA 1+0	35.998	**0.12**		Std Dev	0.37 ft
7	1935163.688	554368.157	35.769	TA 1+50	35.999	**0.23**		Max	0.39 ft
8	1935159.774	554318.278	35.709	TA 2+0	35.999	**0.29**		Min	-0.97 ft
9	1935156.018	554268.572	35.609	TA 2+50	35.999	**0.39**		Count	25
10	1935152.055	554218.778	35.369	TA 3+0	34.999	**-0.37**			
11	1935147.983	554169.033	35.196	TA 3+50	34.996	**-0.2**			
12	1935143.834	554119.274	34.989	TA 4+0	34.999	**0.01**		Tile	552932
13	1935139.789	554069.493	34.928	TA 4+50	34.998	**0.07**			
14	1935135.712	554019.723	34.637	TA 5+0	34.102	**-0.535**			
15	1935131.799	553970.023	34.333	TA 5+50	34.003	**-0.33**			
16	1935128.03	553920.225	34.043	TA 6+0	33.665	**-0.378**			
17	1935124.057	553870.514	33.621	TA 6+50	33.001	**-0.62**			
18	1935120.081	553820.692	33.4	TA 7+0	33	**-0.4**			
19	1935116.077	553770.926	33.037	TA 7+50	32.514	**-0.523**			
20	1935112.179	553721.203	32.587	TA 8+0	31.997	**-0.59**			
21	1935108.384	553671.438	32.144	TA 8+50	31.688	**-0.456**			
22	1935104.497	553621.625	31.713	TA 9+0	31.003	**-0.71**			
23	1935100.457	553571.849	31.18	TA 9+50	30.769	**-0.411**			
24	1935096.369	553522.085	30.815	TA 10+0	29.995	**-0.82**			
25	1935092.212	553472.368	30.367	TA 10+50	29.997	**-0.37**			
26	1935088.27	553422.594	30.035	TA 11+0	29.064	**-0.971**			
27	1935084.6	553372.802	29.622	TA 11+50	29.002	**-0.62**			
28	1935080.8	553323.026	29.311	TA 12+0	28.919	**-0.392**			
Profile 3	Unobscured, dirt road								
4	1942111.49	587708.901	8.777	CLR0+0	8.82	**0.043**		Average	0.52 ft
5	1942159.063	587693.659	8.916	CLR0+50	8.996	**0.08**		RMSE	0.61 ft
6	1942206.677	587678.468	9.021	CLR1+0	10.001	**0.98**		Std Dev	0.32 ft
7	1942254.276	587663.362	9.056	CLR1+50	9.996	**0.94**		Max	0.98 ft
8	1942301.9	587647.835	9.134	CLR2+0	10.004	**0.87**		Min	0.04 ft
9	1942349.612	587632.876	9.22	CLR2+50	10	**0.78**		Count	25
10	1942397.238	587617.757	9.274	CLR3+0	10.004	**0.73**			
11	1942444.844	587602.372	9.314	CLR3+50	10.004	**0.69**			
12	1942492.544	587587.209	9.257	CLR4+0	9.997	**0.74**		Tile	584940
13	1942540.281	587572.235	9.438	CLR4+50	9.998	**0.56**			
14	1942587.949	587557.483	9.572	CLR5+0	10.002	**0.43**			
15	1942635.302	587541.327	9.694	CLR5+50	10.004	**0.31**			
16	1942682.929	587526.166	9.69	CLR6+0	10.057	**0.367**			
17	1942730.652	587510.853	9.995	CLR6+50	10.127	**0.132**			
18	1942778.214	587495.734	9.811	CLR7+0	10.061	**0.25**			
19	1942825.917	587480.584	9.819	CLR7+50	10.058	**0.239**			
20	1942873.437	587465.177	9.841	CLR8+0	10.123	**0.282**			
21	1942921.273	587450.637	9.85	CLR8+50	10.34	**0.49**			
22	1942968.873	587435.435	10.003	CLR9+0	10.272	**0.269**			
23	1943016.223	587419.511	10.044	CLR9+50	10.226	**0.182**			
24	1943063.597	587403.171	10.198	CLR10+0	10.313	**0.115**			
25	1943110.855	587387.137	10.118	CLR10+50	10.998	**0.88**			
26	1943158.084	587370.728	10.137	CLR11+0	10.997	**0.86**			
27	1943205.393	587354.693	10.077	CLR11+50	10.997	**0.92**			
28	1943252.818	587338.74	10.099	CLR12+0	10.999	**0.9**			

Profile 4		Unobscured, edge of paved road								
	32	1955378.738	583149.075	8.688	TA0+0	8.081	**-0.607**		Average	-0.31 ft
	33	1955330.998	583164.005	8.891	TA0+50	8.197	**-0.694**		RMSE	0.48 ft
	34	1955284.315	583181.789	9.139	TA1+0	8.458	**-0.681**		Std Dev	0.36 ft
	35	1955235.195	583189.882	9.228	TA1+50	8.998	**-0.23**		Max	0.54 ft
	36	1955187.369	583204.052	9.113	TA2+0	9.003	**-0.11**		Min	-1.31 ft
	37	1955140.114	583219.93	9.143	TA2+50	9.003	**-0.14**		Count	145
	38	1955092.389	583234.682	9.236	TA3+0	8.638	**-0.598**			
	39	1955044.673	583249.233	9.305	TA3+50	8.995	**-0.31**			
	40	1954996.688	583263.096	9.534	TA4+0	9.004	**-0.53**		Tile	580952
	41	1954948.564	583276.09	9.438	TA4+50	8.874	**-0.564**			
	42	1954900.28	583288.815	9.258	TA5+0	8.99	**-0.268**			
	43	1954851.91	583301.116	9.258	TA5+50	8.611	**-0.647**			
	44	1954803.467	583313.124	8.995	TA6+0	8.427	**-0.568**			
	45	1954754.904	583324.614	9.016	TA6+50	8.484	**-0.532**			
	46	1954706.445	583336.436	9.37	TA7+0	8.778	**-0.592**			
	47	1954657.824	583347.958	9.915	TA7+50	9.232	**-0.683**			
	48	1954609.353	583359.805	10.393	TA8+0	9.869	**-0.524**			
	49	1954560.844	583371.334	10.973	TA8+50	10.486	**-0.487**			
	50	1954512.443	583383.423	11.815	TA9+0	11.289	**-0.526**			
	51	1954463.768	583394.9	13.345	TA9+50	13.202	**-0.143**			
Profile 5		Unobscured, dirt road								
	4	1953123.044	562140.646	26.718	GS0+0	25.998	**-0.72**		Average	-0.47 ft
	5	1953124.263	562190.545	26.485	GS0+50	25.995	**-0.49**		RMSE	0.51 ft
	6	1953124.021	562240.32	26.319	GS1+0	25.999	**-0.32**		Std Dev	0.19 ft
	7	1953124.871	562290.189	26.778	GS1+50	25.998	**-0.78**		Max	-0.09 ft
	8	1953125.44	562340.336	26.622	GS2+0	26.002	**-0.62**		Min	-0.78 ft
	9	1953125.967	562390.075	26.523	GS2+50	26.003	**-0.52**		Count	25
	10	1953126.81	562440.045	26.358	GS3+0	25.998	**-0.36**			
	11	1953127.394	562489.948	26.239	GS3+50	25.999	**-0.24**			
	12	1953128.34	562539.737	26.206	GS4+0	25.996	**-0.21**		Tile	560952
	13	1953128.822	562589.755	26.544	GS4+50	26.004	**-0.54**			
	14	1953129.385	562639.49	26.522	GS5+0	26.002	**-0.52**			
	15	1953129.897	562689.614	26.436	GS5+50	25.996	**-0.44**			
	16	1953130.52	562739.53	26.366	GS6+0	25.996	**-0.37**			
	17	1953130.577	562789.654	26.392	GS6+50	26.002	**-0.39**			
	18	1953131.73	562839.748	26.392	GS7+0	26.002	**-0.39**			
	19	1953132.858	562889.674	26.085	GS7+50	25.995	**-0.09**			
	20	1953133.524	562939.62	26.19	GS8+0	26	**-0.19**			
	21	1953134.322	562989.685	26.573	GS8+50	26.003	**-0.57**			
	22	1953135.173	563039.743	26.584	GS9+0	26.004	**-0.58**			
	23	1953135.437	563089.639	26.7	GS9+50	26	**-0.7**			
	24	1953135.774	563139.512	26.748	GS10+0	25.998	**-0.75**			
	25	1953135.84	563189.291	26.42	GS10+50	26	**-0.42**			
	26	1953136.117	563239.135	26.376	GS11+0	25.996	**-0.38**			
	27	1953136.871	563289.227	26.504	GS11+50	26.004	**-0.5**			
	28	1953137.535	563339.135	26.726	GS12+0	25.996	**-0.73**			
Profile 6		Unobscured, dirt road								
	3	1949765.007	532162.144	34.314	GS 0+0	33.004	**-1.31**		Average	-0.52 ft
	4	1949798.239	532199.555	33.884	GS 0+50	33.004	**-0.88**		RMSE	0.69 ft
	5	1949831.09	532237.248	33.759	GS 1+0	32.999	**-0.76**		Std Dev	0.46 ft
	6	1949864.354	532274.565	33.044	GS 1+50	33.004	**-0.04**		Max	0.36 ft
	7	1949896.568	532312.678	32.968	GS 2+0	31.998	**-0.97**		Min	-1.31 ft
	8	1949926.953	532352.174	33.032	GS 2+50	32.002	**-1.03**		Count	25
	9	1949953.9	532394.113	32.883	GS 3+0	32.614	**-0.269**			
	10	1949976.557	532438.728	32.735	GS 3+50	32.995	**0.26**			
	11	1949997.684	532483.98	32.907	GS 4+0	32.997	**0.09**		Tile	532948
	12	1950017.797	532529.749	32.637	GS 4+50	32.997	**0.36**			
	13	1950037.187	532575.694	32.613	GS 5+0	32.003	**-0.61**			
	14	1950056.194	532621.964	32.757	GS 5+50	31.997	**-0.76**			
	15	1950074.881	532668.239	33.054	GS 6+0	32.004	**-1.05**			
	16	1950093.847	532714.476	33.106	GS 6+50	31.996	**-1.11**			
	17	1950112.77	532760.6	32.628	GS 7+0	31.998	**-0.63**			
	18	1950131.89	532806.642	33.009	GS 7+50	31.999	**-1.01**			
	19	1950151.163	532852.61	32.713	GS 8+0	32.003	**-0.71**			
	20	1950170.407	532898.661	32.198	GS 8+50	31.998	**-0.2**			
	21	1950189.257	532944.938	32.635	GS 9+0	31.995	**-0.64**			
	22	1950208.499	532990.975	32.681	GS 9+50	32.001	**-0.68**			
	23	1950227.778	533037.066	32.538	GS 10+0	31.998	**-0.54**			
	24	1950246.732	533083.497	32.863	GS 10+50	32.973	**0.11**			
	25	1950266.117	533129.525	33.053	GS 11+0	33.003	**-0.05**			
	26	1950285.104	533175.775	33.336	GS 11+50	32.996	**-0.34**			
	27	1950294.092	533224.496	33.223	GS 12+0	33.003	**-0.22**			

Profile 7	Unobscured, dirt road									
	4	1960957.338	524444.279	33.738	GS0+0	32.998	**-0.74**		Average	-0.23 ft
	5	1961006.931	524449.147	33.801	GS0+50	34.001	**0.2**		RMSE	0.41 ft
	6	1961056.602	524454.904	34.086	GS1+0	33.996	**-0.09**		Std Dev	0.34 ft
	7	1961106.233	524460.081	33.317	GS1+50	33.326	**0.009**		Max	0.33 ft
	8	1961155.735	524465.442	33.841	GS2+0	33.001	**-0.84**		Min	-0.98 ft
	9	1961205.596	524466.634	33.727	GS2+50	33.997	**0.27**		Count	25
	10	1961255.756	524462.72	34.031	GS3+0	34.001	**-0.03**			
	11	1961304.916	524454.29	34.86	GS3+50	35	**0.14**			
	12	1961353.902	524444.734	35.175	GS4+0	35.005	**-0.17**		Tile	524960
	13	1961403.09	524435.223	34.276	GS4+50	33.996	**-0.28**			
	14	1961452.147	524426.024	34.134	GS5+0	34.004	**-0.13**			
	15	1961501.117	524415.664	34.571	GS5+50	34.64	**0.069**			
	16	1961550.118	524406.325	35.319	GS6+0	34.999	**-0.32**			
	17	1961599.324	524396.336	35.087	GS6+50	34.997	**-0.09**			
	18	1961648.198	524387.307	34.326	GS7+0	33.996	**-0.33**			
	19	1961697.585	524377.772	33.927	GS7+50	33.997	**0.07**			
	20	1961746.914	524368.979	34.378	GS8+0	33.998	**-0.38**			
	21	1961795.885	524358.621	34.38	GS8+50	34	**-0.38**			
	22	1961842.281	524340.88	34.214	GS9+0	34.004	**-0.21**			
	23	1961883.931	524312.713	34.518	GS9+50	33.998	**-0.52**			
	24	1961921.261	524279.729	34.499	GS10+0	33.999	**-0.5**			
	25	1961957.395	524244.991	34.608	GS10+50	33.998	**-0.61**			
	26	1961993.346	524210.269	34.977	GS11+0	33.997	**-0.98**			
	27	1962029.06	524175.201	34.357	GS11+50	33.997	**-0.36**			
	28	1962065.206	524140.657	34.675	GS12+0	35.005	**0.33**			
Profile 8	Unobscured, dirt road									
	4	1987239.733	527618.986	37.57	GS0+0	37.731	**0.161**		Average	-0.11 ft
	5	1987193.681	527638.331	37.57	GS0+50	38	**0.43**		RMSE	0.35 ft
	6	1987147.551	527657.064	37.585	GS1+0	37.502	**-0.083**		Std Dev	0.33 ft
	7	1987101.08	527675.536	37.454	GS1+50	37.268	**-0.186**		Max	0.53 ft
	8	1987054.725	527694.486	37.653	GS2+0	37.259	**-0.394**		Min	-0.74 ft
	9	1987008.457	527713.408	37.463	GS2+50	37.267	**-0.196**		Count	25
	10	1986962.344	527732.591	37.386	GS3+0	37.336	**-0.05**			
	11	1986916.248	527751.944	37.11	GS3+50	37.269	**0.159**			
	12	1986870.051	527771.13	37.263	GS4+0	37.003	**-0.26**		Tile	524984
	13	1986823.9	527790.23	37.033	GS4+50	37.003	**-0.03**			528984
	14	1986777.32	527808.212	37.11	GS5+0	37	**-0.11**			
	15	1986730.578	527826.167	37.326	GS5+50	37.386	**0.06**			
	16	1986683.774	527843.748	37.439	GS6+0	37.128	**-0.311**			
	17	1986636.821	527861.053	37.42	GS6+50	37	**-0.42**			
	18	1986589.756	527878.175	37.318	GS7+0	36.998	**-0.32**			
	19	1986543.131	527895.925	37.283	GS7+50	37.659	**0.376**			
	20	1986496.402	527913.764	37.206	GS8+0	37.731	**0.525**			
	21	1986450.223	527933.047	37.324	GS8+50	37.464	**0.14**			
	22	1986404.528	527953.377	37.672	GS9+0	37.435	**-0.237**			
	23	1986359.487	527975.063	37.181	GS9+50	37.357	**0.176**			
	24	1986314.929	527997.994	37.475	GS10+0	37.224	**-0.251**			
	25	1986270.734	528021.406	37.585	GS10+50	36.995	**-0.59**			
	26	1986226.4	528044.501	37.744	GS11+0	37.004	**-0.74**			
	27	1986182.181	528067.958	37.742	GS11+50	37.002	**-0.74**			
	28	1987285.933	527599.883	37.737	GS-0+50	37.884	**0.147**			
Profile 9	Unobscured, dirt road									
	4	1970608.656	550929.352	28.707	GS 0+0	28.997	**0.29**		Average	-0.11 ft
	5	1970629.908	550974.219	29.112	GS 0+50	29.002	**-0.11**		RMSE	0.34 ft
	6	1970651.418	551020.595	28.565	GS 1+0	29.008	**0.443**		Std Dev	0.32 ft
	7	1970672.676	551065.789	29.201	GS 1+50	29.042	**-0.159**		Max	0.54 ft
	8	1970693.761	551110.801	28.879	GS 2+0	29.222	**0.343**		Min	-0.70 ft
	9	1970714.915	551155.798	29.452	GS 2+50	29.11	**-0.342**		Count	25
	10	1970736.055	551200.949	28.035	GS 3+0	28.57	**0.535**			
	11	1970757.501	551246.888	28.811	GS 3+50	28.341	**-0.47**			
	12	1970778.21	551291.063	28.056	GS 4+0	27.996	**-0.06**		Tile	548968
	13	1970799.398	551336.39	28.304	GS 4+50	28.004	**-0.3**			
	14	1970820.484	551381.424	28.588	GS 5+0	27.998	**-0.59**			
	15	1970841.426	551426.585	28.702	GS 5+50	28.002	**-0.7**			
	16	1970862.522	551471.815	28.385	GS 6+0	27.995	**-0.39**			
	17	1970883.998	551517.398	28.271	GS 6+50	27.814	**-0.457**			
	18	1970904.853	551562.233	28.727	GS 7+0	28.257	**-0.47**			
	19	1970926.279	551607.249	28.363	GS 7+50	28.159	**-0.204**			
	20	1970947.496	551652.584	27.974	GS 8+0	27.894	**-0.08**			
	21	1970968.574	551697.642	28.113	GS 8+50	27.844	**-0.269**			
	22	1970990.005	551743.109	27.701	GS 9+0	28.001	**0.3**			
	23	1971011.627	551788.927	28.106	GS 9+50	27.996	**-0.11**			
	24	1971032.76	551833.269	27.798	GS 10+0	27.681	**-0.117**			
	25	1971054.316	551878.692	27.542	GS 10+50	27.457	**-0.085**			
	26	1971075.527	551923.542	27.4	GS 11+0	27.42	**0.02**			
	27	1971096.962	551968.575	26.99	GS 11+50	27.111	**0.121**			
	28	1971118.317	552013.643	27.053	GS 12+0	27.133	**0.08**			

Profile 10	Obscured, Tall grass									
32	1980339.899	551440.009	27.497	GS 0+0	27.997		**0.5**	Average	-0.76	ft
33	1980290.058	551438.124	27.544	GS 0+50	27.378		**-0.166**	RMSE	0.90	ft
34	1980240.308	551443.4	27.447	GS 1+0	27.397		**-0.05**	Std Dev	0.50	ft
35	1980191.717	551455.219	27.571	GS 1+50	27.464		**-0.107**	Max	0.50	ft
36	1980145.165	551473.23	27.593	GS 2+0	27.601		**0.008**	Min	-1.35	ft
37	1980099.315	551493.129	27.623	GS 2+50	27.275		**-0.348**	Count	25	
38	1980054.749	551515.712	27.588	GS 3+0	26.943		**-0.645**			
39	1980010.6	551539.192	27.609	GS 3+50	26.999		**-0.61**			
40	1979966.942	551563.545	27.601	GS 4+0	26.414		**-1.187**	Tile	548976	
41	1979923.383	551587.952	27.313	GS 4+50	26.003		**-1.31**		548980	
42	1979879.921	551612.761	27.279	GS 5+0	26.104		**-1.175**			
43	1979836.436	551637.278	27.17	GS 5+50	26		**-1.17**			
44	1979793.053	551662.163	27.421	GS 6+0	26.688		**-0.733**			
45	1979749.727	551686.968	27.535	GS 6+50	26.794		**-0.741**			
46	1979705.898	551710.979	27.459	GS 7+0	26.999		**-0.46**			
47	1979661.38	551733.928	27.291	GS 7+50	26.711		**-0.58**			
48	1979616.096	551754.886	27.346	GS 8+0	25.996		**-1.35**			
49	1979570.136	551774.555	27.269	GS 8+50	25.999		**-1.27**			
50	1979523.33	551792.147	27.246	GS 9+0	25.996		**-1.25**			
51	1979475.945	551808.03	27.197	GS 9+50	26.182		**-1.015**			
52	1979428.154	551823.099	27.109	GS 10+0	25.999		**-1.11**			
53	1979380.519	551838.037	27.11	GS 10+50	26		**-1.11**			
54	1979332.791	551852.764	27.24	GS 11+0	26		**-1.24**			
55	1979284.709	551866.463	26.781	GS 11+50	26.001		**-0.78**			
56	1979237.099	551881.779	27.062	GS 12+0	26.002		**-1.06**			
Profile 11, hard surfaced road										
52	1954414.998	583405.887	14.283	TC10+0				Average	#DIV/0!	ft
53	1954366.324	583417.367	15.078	TC10+50				RMSE	#DIV/0!	ft
54	1954317.821	583429.143	15.723	TC11+0				Std Dev	#DIV/0!	ft
55	1954269.341	583440.927	16.354	TC11+50				Max	0.00	ft
56	1954220.809	583452.913	17.124	TC12+0				Min	0.00	ft
57	1954432.832	583397.483	14.037	TC7-10				Count	0	
58	1953802.387	583540.275	19.968	TC7-10						
59	1954432.818	583397.511	14.032	TC7-9						
60	1955174.136	583092.089	5.864	CC7-8				Tile	580952	
61	1955566.615	583184.643	8.825	TA7-7						

APPENDIX G
MAP LEGEND

