

VERTICAL ACCURACY REPORT

Professional Management and LiDAR Data Collection and Processing Services

Block 9

PROJECT TITLE:	Professional Management and LiDAR Data Collection and Processing Services
WORK ORDER NAME:	Task Order A
WORK ORDER NUMBER:	2007058492720
CONSULTANT NAME:	3001, Inc., CH2M Hill, Inc.
PROJECT MANAGERS:	Jeremy Conner, 3001 Project Manager JoLee Gardner, CH2M Hill Project Manager



**3001, INC. THE GEOSPATIAL COMPANY
501 Robert Blvd. 2nd Floor
Slidell, Louisiana 70458**



May 2008

Florida Division of Emergency Management
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

Re: Professional Management and LiDAR Data Collection and Processing Services,
Block 9

This photogrammetric mapping ground control survey is certified as meeting or exceeding, in quality and precision, the standards applicable for this work as set forth in Chapter 61G17-6, Florida Administrative Code.

Dean T. Epling, PSM
Florida Professional Surveyor and Mapper
License # 5417
401 Dividend Drive, Suite K
Peachtree City, GA 30269
(770) 631-0903

Signed: _____ Date: _____

CONTENTS

1. DATA ANALYSIS.....	4
2. FUNDAMENTAL VERTICAL ACCURACY.....	5
3. SUPPLEMENTAL VERTICAL ACCURACIES.....	6
4. CONSOLIDATED VERTICAL ACCURACY.....	8
5. GROUND TRUTH ANALYSIS.....	9

DATA ANALYSIS

This report documents the vertical accuracy of the LIDAR data as compared to the surveyed ground truth data for the Professional Management and LiDAR Data Collection and Processing Services project, Block 9. Fundamental Vertical Accuracy, Supplemental Vertical Accuracies and the Consolidated Vertical Accuracy have been calculated based on the appropriate land cover classes, and are shown in the following sections.

Data analysis was accomplished by comparing ground truth checkpoints with LIDAR points from the edited data set, which were within 3 feet horizontally from the ground truth points. Note that the edited LIDAR points are simply a subset of the raw LIDAR points. The points that fell above the ground surface on vegetation canopies, buildings, or other obstructions were removed from the data set. Comparisons were also made between the survey points and the LIDAR derived terrain surface. These comparisons provide an additional verification of the LIDAR data against the survey data.

The survey data was collected in accordance with the *FEMA FLOOD HAZARD MAPPING PROGRAM, GUIDELINES AND SPECIFICATIONS FOR FLOOD HAZARD MAPPING PARTNERS, APPENDIX A*.

Ground truth data was collected for each of the following land cover categories:

1. Bare-earth and low grass
2. Brush lands and low trees
3. Forested areas fully covered by trees
4. Urban areas

In Blocks 9 and 10, there was an approved deviation from the required accuracy in the Baseline Specifications. The deviation extended the GPS base station spacing for LiDAR gathering from 20 miles to 30 miles. It was approved by Richard Butgereit on an email to JoLee Gardner on August 27, 2007.

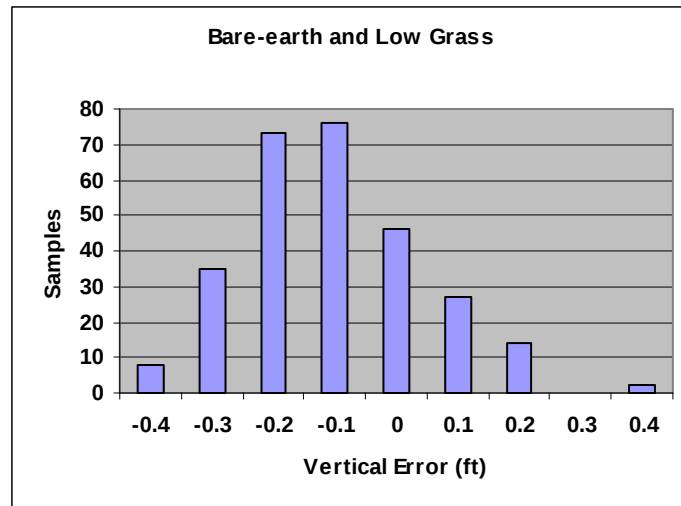
The accuracy assessment was performed using a standard method to compute the root mean square error (RMSE) based on a comparison of ground control points (GCP) and filtered LiDAR data points. Filtered LiDAR data has had vegetation and cultural features removed and by analysis represents bare-earth elevations. . The RMSE figure was used to compute the vertical National Standard for Spatial Data Accuracy (NSSDA). Ground control was established by 3001, Inc. A spatial proximity analysis was used to select edited LiDAR data points contiguous to the relevant GCPs. A search radius decision rule is applied with consideration of terrain complexity, cumulative error and adequate sample size. Cumulative error results from the errors inherent in the various sources of horizontal measurement. These sources include the airborne GPS, GCPs and the uncertainty of the accuracy of the LiDAR data points. This accuracy is achieved prior to the sub-sampling that occurs through integration with the inertial measurement

unit (IMU) positions that are recorded. It is unclear at this time whether the initial accuracy is maintained. The horizontal accuracy of the GCPs is estimated to be in the range of approximately 1 to 1.6 inches. Finally, sample size was considered. The specification for the National Standard for Spatial Data Accuracy is a minimum of 20 points to conduct a statistically significant accuracy evaluation (Minnesota Planning, 1999, Positional Accuracy Handbook, Minnesota Planning Land Management Information Center, St. Paul, Minnesota., p.3). Most statistical texts indicate that a minimum of 30 sample points provide a reasonable Approximation of a normal distribution. The intent of the NSSDA is to reflect the geographic area of interest and the distribution of error in the data set (Federal Geographic Data Committee, 1998, Geospatial National Standard for Spatial Data Accuracy, Federal Geographic Data Committee Secretariat, Reston, Virginia, p.3-4). Additional steps were taken to ensure the vertical accuracy of the LiDAR data including: Step 1: Precision Bore sighting (Check Edge-matching) Step 2: Compare the LiDAR data to the Field Survey (Field survey is to FEMA specifications and more stringent internal specifications) Step 3: Automated Filtering Step 4: Manual Editing (Quality Control) Step 5: 3-D digitizing and photogrammetric compilation of hydrographic breaklines. Data analysis was accomplished by comparing ground truth checkpoints with LIDAR points from the edited data set, which were within 3 feet horizontally from the ground truth points. Note that the edited LIDAR points are simply a subset of the raw LIDAR points. The points that fell above the ground surface on vegetation canopies, buildings, or other obstructions were removed from the data set. Comparisons were also made between the survey points and the LIDAR derived terrain surface. These comparisons provide an additional verification of the LIDAR data against the survey data. The survey data was collected in accordance with the FEMA FLOOD HAZARD MAPPING PROGRAM, GUIDELINES AND SPECIFICATIONS FOR FLOOD HAZARD MAPPING PARTNERS, APPENDIX A.

FUNDAMENTAL VERTICAL ACCURACY

The Fundamental Vertical Accuracy is calculated using the bare-earth and low grass land class. A comparison of these values indicated a Vertical Root Mean Square Error (RMSEz) of 0.18 feet, which equates to a Vertical Accuracy of 0.35 feet at the 95 percent confidence level. Descriptive statistics and a histogram of the vertical error distribution are shown below.

Bare-earth and Low Grass (ft)	
RMSEz	0.18
Mean	-0.10
Standard Error	0.01
Median	-0.10
Mode	-0.10
Standard Deviation	0.14
Sample Variance	0.02
Kurtosis	0.12
Skewness	0.44
Range	0.80
Minimum	-0.41
Maximum	0.39
Count	281



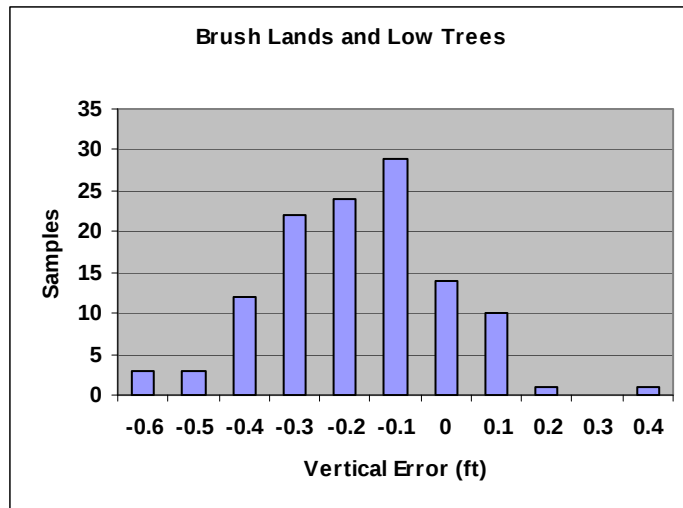
SUPPLEMENTAL VERTICAL ACCURACIES

The Supplemental Vertical Accuracies are calculated using each of the land cover classes, except for the bare-earth and low grass land class. The remaining land cover classes that are used for comparisons are brush lands and low trees, forested areas fully covered by trees, and urban areas. The RMSEz values and Vertical Accuracies are shown with each respective land class, along with histograms of vertical error distribution.

Brush Lands and Low Trees

This set includes only those points that were collected in areas of brush lands and low trees. The resulting RMSEz is 0.24 feet, which equates to a Vertical Accuracy of 0.47 feet at the 95 percent confidence level.

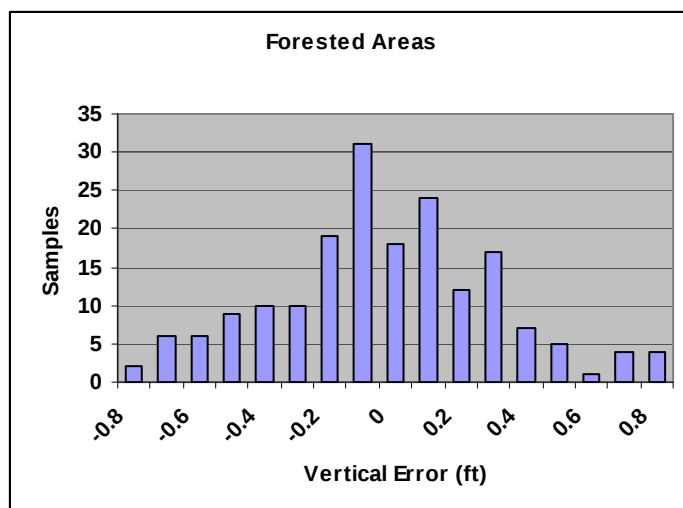
Brush Lands and Low Trees (ft)	
RMSEz	0.24
Mean	-0.17
Standard Error	0.02
Median	-0.16
Mode	-0.02
Standard Deviation	0.17
Sample Variance	0.03
Kurtosis	0.75
Skewness	0.17
Range	1.05
Minimum	-0.60
Maximum	0.45
Count	119



Forested Areas

This set includes only those points that were collected in forested areas fully covered by trees. The resulting RMSEz is 0.34 feet, which equates to a Vertical Accuracy of 0.67 feet at the 95 percent confidence level.

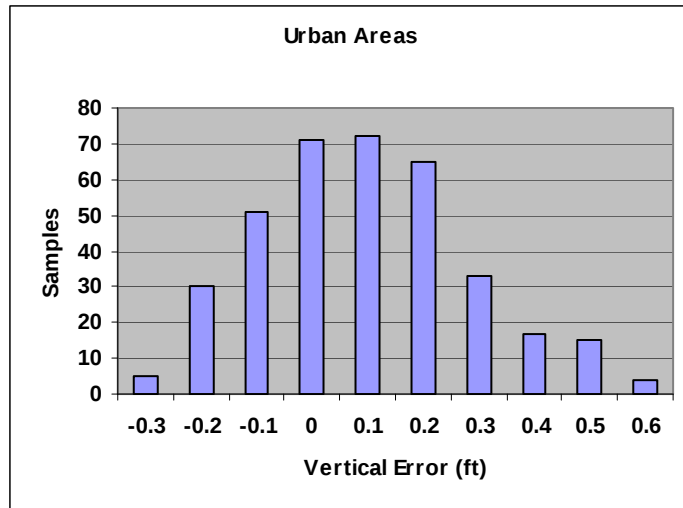
Forested Areas (ft)	
RMSEz	0.34
Mean	-0.03
Standard Error	0.02
Median	-0.05
Mode	0.07
Standard Deviation	0.34
Sample Variance	0.11
Kurtosis	0.01
Skewness	0.13
Range	1.56
Minimum	-0.75
Maximum	0.81
Count	185



Urban Areas

This set includes only those points that were collected in areas of urban land cover. The resulting RMSEz is 0.20 feet, which equates to a Vertical Accuracy of 0.39 feet at the 95 percent confidence level.

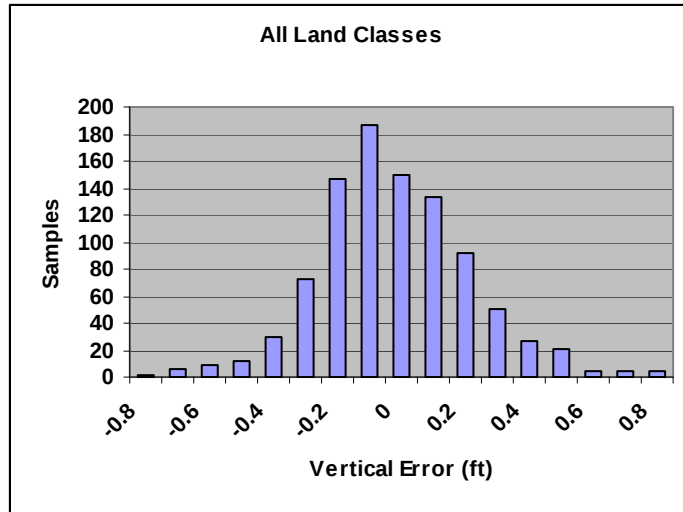
Urban Areas (ft)	
RMSEz	0.20
Mean	0.09
Standard Error	0.01
Median	0.07
Mode	0.08
Standard Deviation	0.18
Sample Variance	0.03
Kurtosis	-0.04
Skewness	0.48
Range	0.93
Minimum	-0.31
Maximum	0.62
Count	363



CONSOLIDATED VERTICAL ACCURACY

The Consolidated Vertical Accuracy is calculated using all land cover classes. The result of these comparisons of these values indicated a Vertical Root Mean Square Error (RMSEz) of 0.23 feet, which equates to Vertical Accuracy of 0.45 feet at the 95 percent confidence level. Descriptive statistics and a histogram of the vertical error distribution for all comparisons are shown below.

All Land Classes (ft)	
RMSEz	0.23
Mean	-0.02
Standard Error	0.01
Median	-0.04
Mode	-0.05
Standard Deviation	0.23
Sample Variance	0.05
Kurtosis	0.95
Skewness	0.25
Range	1.56
Minimum	-0.75
Maximum	0.81
Count	948



GROUND TRUTH ANALYSIS **Comparison of LIDAR Points to Ground-Truth Points**

Horizontal units = US Survey Feet [US State Plane, Florida East, NAD83 (1999)]

Vertical units = US Survey feet [NAVD88 – Geoid03]

Name	Survey X	Survey Y	Survey Z	LIDAR X	LIDAR Y	LIDAR Z	dx	dy	dz	dist	Code
3A1	691305.69	310160.30	2.13	691305.95	310162.58	2.16	-0.26	-2.28	-0.03	2.29	Bare-earth
3A1	691305.69	310160.30	2.13	691307.39	310162.71	1.90	-1.70	-2.41	0.23	2.95	Bare-earth
3A2	691301.64	310155.20	2.20	691303.06	310158.05	2.20	-1.42	-2.85	0.00	3.19	Bare-earth
3A2	691301.64	310155.20	2.20	691302.17	310157.33	2.12	-0.53	-2.14	0.08	2.20	Bare-earth
3A2	691301.64	310155.20	2.20	691299.15	310157.06	2.11	2.49	-1.86	0.09	3.11	Bare-earth
3A3	691297.41	310150.03	2.27	691296.79	310152.63	2.05	0.62	-2.60	0.22	2.68	Bare-earth
3A4	691293.07	310145.26	2.31	691291.54	310146.73	2.27	1.53	-1.47	0.04	2.12	Bare-earth
3A5	691289.21	310140.40	2.30	691286.55	310141.51	2.51	2.66	-1.11	-0.21	2.89	Bare-earth
3A5	691289.21	310140.40	2.30	691288.09	310141.64	2.49	1.12	-1.24	-0.19	1.67	Bare-earth
3A5	691289.21	310140.40	2.30	691289.57	310141.77	2.34	-0.36	-1.37	-0.04	1.42	Bare-earth
3A6	691285.70	310135.88	2.31	691284.98	310137.17	2.26	0.72	-1.29	0.05	1.48	Bare-earth
3A6	691285.70	310135.88	2.31	691283.57	310134.35	2.11	2.13	1.53	0.20	2.63	Bare-earth
3A6	691285.70	310135.88	2.31	691283.40	310137.01	2.10	2.30	-1.13	0.21	2.56	Bare-earth
3A7	691282.07	310131.59	2.28	691278.90	310131.10	2.42	3.17	0.49	-0.14	3.21	Bare-earth
3A7	691282.07	310131.59	2.28	691281.76	310131.96	2.18	0.31	-0.37	0.10	0.48	Bare-earth
3A7	691282.07	310131.59	2.28	691283.57	310134.35	2.11	-1.49	-2.76	0.17	3.14	Bare-earth
3A9	691274.81	310122.87	2.38	691275.33	310125.75	2.36	-0.52	-2.88	0.02	2.93	Bare-earth
3A10	691270.67	310117.70	2.36	691268.24	310117.98	2.57	2.43	-0.28	-0.21	2.45	Bare-earth
3A10	691270.67	310117.70	2.36	691268.86	310120.14	2.52	1.81	-2.44	-0.16	3.04	Bare-earth
3A10	691270.67	310117.70	2.36	691270.73	310120.90	2.47	-0.06	-3.20	-0.11	3.20	Bare-earth
3A10	691270.67	310117.70	2.36	691271.88	310120.40	2.45	-1.21	-2.70	-0.09	2.96	Bare-earth
3A21	691274.97	310177.04	3.79	691275.72	310180.23	3.82	-0.75	-3.19	-0.03	3.28	Urban
3A21	691274.97	310177.04	3.79	691275.92	310175.67	3.77	-0.95	1.37	0.02	1.67	Urban
3A21	691274.97	310177.04	3.79	691276.61	310175.15	3.71	-1.64	1.89	0.08	2.50	Urban
3A21	691274.97	310177.04	3.79	691275.07	310175.02	3.61	-0.10	2.02	0.18	2.02	Urban
3A21	691274.97	310177.04	3.79	691273.42	310174.85	3.32	1.55	2.19	0.47	2.68	Urban
3A22	691269.40	310171.11	3.79	691268.11	310169.24	3.63	1.29	1.87	0.16	2.27	Urban
3A22	691269.40	310171.11	3.79	691268.40	310168.26	3.58	1.00	2.85	0.21	3.02	Urban
3A23	691265.28	310166.51	3.81	691263.02	310167.27	4.12	2.26	-0.76	-0.31	2.38	Urban
3A23	691265.28	310166.51	3.81	691264.56	310167.14	4.10	0.72	-0.63	-0.29	0.96	Urban
3A23	691265.28	310166.51	3.81	691265.02	310169.53	4.02	0.26	-3.02	-0.21	3.03	Urban
3A23	691265.28	310166.51	3.81	691263.58	310168.85	3.96	1.70	-2.34	-0.15	2.89	Urban
3A23	691265.28	310166.51	3.81	691266.14	310166.98	3.95	-0.86	-0.47	-0.14	0.98	Urban
3A23	691265.28	310166.51	3.81	691266.79	310168.39	3.92	-1.51	-1.88	-0.11	2.42	Urban
3A23	691265.28	310166.51	3.81	691266.66	310169.14	3.92	-1.38	-2.63	-0.11	2.97	Urban
3A23	691265.28	310166.51	3.81	691264.53	310164.45	3.84	0.75	2.06	-0.03	2.19	Urban
3A23	691265.28	310166.51	3.81	691266.04	310164.55	3.62	-0.76	1.96	0.19	2.10	Urban
3A23	691265.28	310166.51	3.81	691267.32	310164.12	3.53	-2.04	2.39	0.28	3.14	Urban
3A24	691260.91	310161.63	3.82	691258.23	310163.30	3.65	2.68	-1.67	0.17	3.15	Urban
3A24	691260.91	310161.63	3.82	691261.84	310163.59	3.62	-0.93	-1.96	0.20	2.17	Urban
3A24	691260.91	310161.63	3.82	691260.62	310158.51	3.40	0.29	3.12	0.42	3.14	Urban

3A24	691260.91	310161.63	3.82	691259.67	310163.40	3.34	1.24	-1.77	0.48	2.16	Urban
3A25	691256.28	310156.17	3.79	691256.88	310153.28	3.66	-0.60	2.89	0.13	2.95	Urban
3A25	691256.28	310156.17	3.79	691255.31	310153.13	3.61	0.97	3.04	0.18	3.19	Urban
3A25	691256.28	310156.17	3.79	691255.93	310158.08	3.19	0.35	-1.91	0.60	1.94	Urban
3A26	691252.11	310151.50	3.78	691250.06	310153.19	3.85	2.05	-1.70	-0.07	2.66	Urban
3A26	691252.11	310151.50	3.78	691253.11	310153.45	3.76	-1.00	-1.96	0.02	2.20	Urban
3A26	691252.11	310151.50	3.78	691250.71	310152.73	3.74	1.40	-1.23	0.04	1.87	Urban
3A26	691252.11	310151.50	3.78	691249.14	310152.57	3.59	2.97	-1.08	0.19	3.16	Urban
3A26	691252.11	310151.50	3.78	691251.17	310148.43	3.35	0.94	3.07	0.43	3.21	Urban
3A27	691248.17	310146.88	3.79	691249.83	310147.81	3.54	-1.66	-0.93	0.25	1.91	Urban
3A27	691248.17	310146.88	3.79	691248.32	310147.64	3.53	-0.15	-0.76	0.26	0.78	Urban
3A27	691248.17	310146.88	3.79	691248.15	310148.17	3.53	0.02	-1.29	0.26	1.29	Urban
3A28	691244.33	310142.40	3.75	691242.90	310142.36	3.54	1.43	0.04	0.21	1.43	Urban
3A28	691244.33	310142.40	3.75	691245.99	310142.62	3.53	-1.66	-0.22	0.22	1.67	Urban
3A29	691237.50	310135.88	3.76	691237.59	310137.08	3.64	-0.09	-1.20	0.12	1.20	Urban
3A29	691237.50	310135.88	3.76	691239.13	310137.21	3.53	-1.63	-1.33	0.23	2.10	Urban
3A29	691237.50	310135.88	3.76	691237.62	310132.78	3.27	-0.12	3.10	0.49	3.11	Urban
3A30	691233.16	310129.74	3.73	691232.96	310127.46	3.73	0.20	2.28	0.00	2.29	Urban
3A30	691233.16	310129.74	3.73	691234.50	310127.59	3.69	-1.34	2.15	0.04	2.53	Urban
3A30	691233.16	310129.74	3.73	691232.27	310131.78	3.52	0.89	-2.04	0.21	2.23	Urban
3A30	691233.16	310129.74	3.73	691235.35	310132.09	3.47	-2.19	-2.35	0.26	3.21	Urban
3A31	691241.16	310123.59	3.45	691238.70	310123.00	3.44	2.46	0.59	0.01	2.53	Urban
3A31	691241.16	310123.59	3.45	691241.62	310122.73	3.35	-0.46	0.86	0.10	0.97	Urban
3A32	691246.80	310129.53	3.48	691245.43	310128.12	3.58	1.37	1.41	-0.10	1.97	Urban
3A32	691246.80	310129.53	3.48	691248.42	310128.38	3.27	-1.62	1.15	0.21	1.99	Urban
3A32	691246.80	310129.53	3.48	691249.76	310129.00	3.20	-2.96	0.53	0.28	3.01	Urban
3A33	691252.21	310135.23	3.50	691250.61	310133.47	3.09	1.60	1.76	0.42	2.38	Urban
3A33	691252.21	310135.23	3.50	691251.34	310138.28	3.04	0.87	-3.05	0.46	3.17	Urban
3A34	691257.46	310141.64	3.52	691256.16	310138.78	3.46	1.30	2.86	0.06	3.14	Urban
3A34	691257.46	310141.64	3.52	691259.21	310139.05	3.46	-1.75	2.59	0.06	3.13	Urban
3A34	691257.46	310141.64	3.52	691259.64	310139.60	3.43	-2.18	2.04	0.09	2.99	Urban
3A34	691257.46	310141.64	3.52	691258.29	310143.74	3.40	-0.83	-2.10	0.12	2.26	Urban
3A34	691257.46	310141.64	3.52	691257.64	310138.91	3.34	-0.18	2.73	0.18	2.74	Urban
3A34	691257.46	310141.64	3.52	691256.75	310143.61	3.31	0.71	-1.97	0.21	2.09	Urban
3A34	691257.46	310141.64	3.52	691259.77	310143.87	3.15	-2.31	-2.23	0.37	3.21	Urban
3A35	691262.20	310147.52	3.55	691262.17	310148.92	3.60	0.03	-1.40	-0.05	1.40	Urban
3A35	691262.20	310147.52	3.55	691261.97	310149.45	3.57	0.23	-1.93	-0.02	1.94	Urban
3A35	691262.20	310147.52	3.55	691260.39	310149.32	3.42	1.81	-1.80	0.13	2.55	Urban
3A35	691262.20	310147.52	3.55	691261.44	310144.56	3.16	0.76	2.96	0.39	3.06	Urban
3A37	691272.99	310159.61	3.55	691271.45	310159.53	3.74	1.54	0.08	-0.19	1.54	Urban
3A37	691272.99	310159.61	3.55	691269.88	310159.39	3.66	3.11	0.22	-0.11	3.12	Urban
3A37	691272.99	310159.61	3.55	691271.91	310160.15	3.62	1.08	-0.54	-0.07	1.21	Urban
3A37	691272.99	310159.61	3.55	691274.41	310159.78	3.51	-1.42	-0.17	0.04	1.43	Urban
3A37	691272.99	310159.61	3.55	691272.90	310159.66	3.50	0.09	-0.05	0.05	0.10	Urban
3A37	691272.99	310159.61	3.55	691275.89	310159.92	3.35	-2.90	-0.31	0.20	2.92	Urban
3A38	691279.81	310166.34	3.51	691281.14	310165.92	2.99	-1.33	0.42	0.52	1.39	Urban
3A38	691279.81	310166.34	3.51	691280.94	310165.33	2.99	-1.13	1.01	0.52	1.51	Urban
3A39	691284.84	310172.64	3.52	691284.94	310170.75	3.36	-0.10	1.89	0.16	1.89	Urban

3A40	691291.97	310180.87	3.51	691290.06	310182.17	3.57	1.91	-1.30	-0.06	2.31	Urban
3A40	691291.97	310180.87	3.51	691291.54	310179.74	3.49	0.43	1.13	0.02	1.21	Urban
3A40	691291.97	310180.87	3.51	691293.12	310182.47	3.46	-1.15	-1.60	0.05	1.97	Urban
3A40	691291.97	310180.87	3.51	691291.57	310182.30	3.45	0.41	-1.43	0.06	1.48	Urban
3A40	691291.97	310180.87	3.51	691293.94	310181.88	3.39	-1.96	-1.01	0.12	2.21	Urban
4A1	682725.23	297158.27	-0.06	682724.35	297157.84	-0.38	0.88	0.43	0.32	0.98	Forest
4A3	682711.12	297162.69	-0.11	682709.18	297163.65	-0.04	1.94	-0.96	-0.07	2.16	Forest
4A3	682711.12	297162.69	-0.11	682709.74	297162.63	-0.24	1.38	0.06	0.13	1.38	Forest
4A3	682711.12	297162.69	-0.11	682713.06	297162.77	-0.41	-1.94	-0.08	0.30	1.94	Forest
4A5	682723.88	297167.52	-0.12	682725.33	297168.80	0.13	-1.45	-1.28	-0.25	1.94	Forest
4A6	682741.90	297170.76	0.06	682743.58	297169.40	0.46	-1.68	1.36	-0.40	2.16	Forest
4A6	682741.90	297170.76	0.06	682739.51	297169.00	0.19	2.39	1.76	-0.13	2.97	Forest
4A6	682741.90	297170.76	0.06	682740.89	297169.03	0.07	1.01	1.73	-0.01	2.00	Forest
4A7	682744.74	297179.62	-0.12	682747.15	297180.00	0.32	-2.41	-0.38	-0.44	2.44	Forest
4A7	682744.74	297179.62	-0.12	682743.31	297179.86	0.21	1.43	-0.24	-0.33	1.45	Forest
4A8	682748.19	297191.57	-0.13	682747.42	297190.93	0.29	0.77	0.64	-0.42	1.00	Forest
4A8	682748.19	297191.57	-0.13	682745.68	297190.93	0.06	2.51	0.64	-0.19	2.59	Forest
4A9	682734.67	297192.94	-0.14	682733.67	297195.91	-0.08	1.00	-2.97	-0.06	3.13	Forest
4A9	682734.67	297192.94	-0.14	682735.47	297190.56	-0.54	-0.80	2.38	0.40	2.51	Forest
4A9	682734.67	297192.94	-0.14	682736.88	297190.60	-0.57	-2.21	2.34	0.43	3.22	Forest
4A9	682734.67	297192.94	-0.14	682734.19	297190.27	-0.66	0.48	2.67	0.52	2.71	Forest
4A10	682718.44	297181.99	-0.14	682719.03	297184.98	0.20	-0.59	-2.99	-0.34	3.05	Forest
4A10	682718.44	297181.99	-0.14	682718.18	297183.80	-0.02	0.26	-1.81	-0.12	1.83	Forest
4A10	682718.44	297181.99	-0.14	682717.45	297184.89	-0.10	0.99	-2.90	-0.04	3.07	Forest
4A11	682707.32	297199.85	-0.17	682709.38	297199.92	0.36	-2.06	-0.07	-0.53	2.06	Forest
4A11	682707.32	297199.85	-0.17	682706.89	297198.64	0.23	0.43	1.21	-0.40	1.29	Forest
4A12	682701.50	297205.15	-0.09	682703.83	297203.59	-0.05	-2.33	1.56	-0.04	2.81	Forest
4A12	682701.50	297205.15	-0.09	682703.18	297205.89	-0.13	-1.68	-0.74	0.04	1.84	Forest
4A12	682701.50	297205.15	-0.09	682704.26	297205.53	-0.16	-2.76	-0.38	0.07	2.79	Forest
4A12	682701.50	297205.15	-0.09	682702.78	297205.50	-0.18	-1.28	-0.35	0.09	1.33	Forest
4A23	682783.99	297156.85	2.76	682786.54	297157.38	2.42	-2.55	-0.53	0.34	2.60	Urban
4A24	682792.71	297162.93	2.83	682791.49	297162.86	2.86	1.22	0.07	-0.03	1.23	Urban
4A24	682792.71	297162.93	2.83	682792.97	297162.96	2.82	-0.26	-0.03	0.01	0.26	Urban
4A24	682792.71	297162.93	2.83	682794.15	297164.34	2.66	-1.44	-1.41	0.17	2.01	Urban
4A24	682792.71	297162.93	2.83	682795.89	297163.16	2.58	-3.18	-0.23	0.25	3.18	Urban
4A24	682792.71	297162.93	2.83	682791.10	297164.11	2.36	1.61	-1.18	0.47	2.00	Urban
4A25	682801.50	297168.50	2.87	682798.88	297168.51	2.69	2.61	-0.01	0.18	2.62	Urban
4A25	682801.50	297168.50	2.87	682800.39	297168.61	2.58	1.10	-0.11	0.29	1.11	Urban
4A25	682801.50	297168.50	2.87	682803.34	297168.84	2.42	-1.84	-0.34	0.45	1.88	Urban
4A25	682801.50	297168.50	2.87	682801.83	297168.74	2.42	-0.33	-0.24	0.45	0.41	Urban
4A26	682810.39	297174.76	2.90	682813.29	297175.89	3.06	-2.90	-1.13	-0.16	3.11	Urban
4A26	682810.39	297174.76	2.90	682811.78	297175.80	2.95	-1.39	-1.04	-0.05	1.73	Urban
4A26	682810.39	297174.76	2.90	682811.15	297174.48	2.87	-0.76	0.28	0.03	0.81	Urban
4A26	682810.39	297174.76	2.90	682809.61	297174.38	2.34	0.78	0.38	0.56	0.87	Urban
4A27	682819.15	297180.70	2.93	682818.70	297180.13	3.11	0.45	0.57	-0.18	0.73	Urban
4A27	682819.15	297180.70	2.93	682820.18	297180.23	3.10	-1.03	0.47	-0.17	1.13	Urban
4A27	682819.15	297180.70	2.93	682818.93	297181.47	3.08	0.22	-0.77	-0.15	0.80	Urban
4A27	682819.15	297180.70	2.93	682817.19	297180.03	3.04	1.96	0.67	-0.11	2.07	Urban

4A27	682819.15	297180.70	2.93	682817.42	297181.37	2.92	1.73	-0.67	0.01	1.86	Urban
4A28	682828.01	297187.21	2.96	682826.25	297187.18	2.92	1.76	0.03	0.04	1.76	Urban
4A28	682828.01	297187.21	2.96	682827.89	297185.90	2.71	0.12	1.31	0.25	1.32	Urban
4A28	682828.01	297187.21	2.96	682829.17	297187.38	2.69	-1.16	-0.17	0.27	1.17	Urban
4A28	682828.01	297187.21	2.96	682829.37	297186.00	2.66	-1.36	1.21	0.30	1.82	Urban
4A29	682842.10	297198.65	3.00	682842.23	297198.70	3.04	-0.13	-0.05	-0.04	0.14	Urban
4A29	682842.10	297198.65	3.00	682844.63	297197.49	3.00	-2.53	1.16	0.00	2.78	Urban
4A29	682842.10	297198.65	3.00	682839.21	297198.51	2.69	2.89	0.14	0.31	2.90	Urban
4A29	682842.10	297198.65	3.00	682840.10	297197.19	2.40	2.00	1.46	0.60	2.48	Urban
4A30	682850.90	297205.83	2.95	682850.54	297203.07	3.06	0.36	2.76	-0.11	2.78	Urban
4A30	682850.90	297205.83	2.95	682850.86	297204.51	3.01	0.04	1.32	-0.06	1.32	Urban
4A30	682850.90	297205.83	2.95	682852.31	297204.61	3.01	-1.41	1.22	-0.06	1.86	Urban
4A30	682850.90	297205.83	2.95	682853.82	297204.74	2.97	-2.92	1.09	-0.02	3.11	Urban
4A30	682850.90	297205.83	2.95	682849.35	297204.41	2.92	1.55	1.42	0.03	2.10	Urban
4A30	682850.90	297205.83	2.95	682849.32	297208.19	2.72	1.58	-2.36	0.23	2.84	Urban
4A30	682850.90	297205.83	2.95	682850.80	297208.28	2.70	0.10	-2.45	0.25	2.46	Urban
4A31	682858.52	297197.40	3.22	682860.05	297199.92	3.37	-1.53	-2.52	-0.15	2.95	Urban
4A31	682858.52	297197.40	3.22	682857.17	297194.53	3.17	1.35	2.87	0.05	3.17	Urban
4A31	682858.52	297197.40	3.22	682860.12	297194.73	3.15	-1.60	2.67	0.07	3.12	Urban
4A31	682858.52	297197.40	3.22	682857.03	297199.72	3.06	1.49	-2.32	0.16	2.75	Urban
4A31	682858.52	297197.40	3.22	682857.95	297198.37	3.03	0.57	-0.97	0.19	1.12	Urban
4A32	682851.89	297192.26	3.21	682853.16	297192.76	3.08	-1.27	-0.50	0.13	1.37	Urban
4A32	682851.89	297192.26	3.21	682850.18	297192.57	3.03	1.71	-0.31	0.18	1.73	Urban
4A32	682851.89	297192.26	3.21	682851.16	297194.14	2.73	0.73	-1.88	0.48	2.02	Urban
4A33	682844.95	297187.09	3.19	682844.30	297186.99	3.20	0.65	0.10	-0.01	0.66	Urban
4A33	682844.95	297187.09	3.19	682845.81	297187.08	3.18	-0.86	0.01	0.01	0.86	Urban
4A33	682844.95	297187.09	3.19	682845.61	297188.53	3.15	-0.66	-1.44	0.04	1.58	Urban
4A33	682844.95	297187.09	3.19	682847.25	297187.22	2.97	-2.30	-0.13	0.22	2.30	Urban
4A34	682837.65	297181.70	3.15	682838.33	297182.85	3.07	-0.68	-1.15	0.08	1.34	Urban
4A34	682837.65	297181.70	3.15	682835.31	297182.62	2.89	2.34	-0.92	0.26	2.51	Urban
4A34	682837.65	297181.70	3.15	682835.01	297181.24	2.87	2.64	0.46	0.28	2.68	Urban
4A35	682830.56	297176.17	3.15	682832.03	297175.86	3.15	-1.47	0.31	0.00	1.50	Urban
4A35	682830.56	297176.17	3.15	682833.50	297175.96	3.08	-2.94	0.21	0.07	2.94	Urban
4A35	682830.56	297176.17	3.15	682830.55	297175.76	3.06	0.01	0.41	0.09	0.41	Urban
4A35	682830.56	297176.17	3.15	682828.12	297176.94	2.79	2.44	-0.77	0.36	2.56	Urban
4A37	682815.76	297164.48	3.11	682813.88	297164.34	3.08	1.88	0.14	0.03	1.89	Urban
4A37	682815.76	297164.48	3.11	682815.35	297164.44	2.98	0.41	0.04	0.13	0.41	Urban
4A37	682815.76	297164.48	3.11	682818.27	297164.67	2.73	-2.51	-0.19	0.38	2.52	Urban
4A37	682815.76	297164.48	3.11	682816.80	297164.57	2.69	-1.04	-0.09	0.42	1.04	Urban
4A38	682807.97	297159.25	3.06	682810.69	297160.34	2.80	-2.71	-1.09	0.27	2.93	Urban
4A38	682807.97	297159.25	3.06	682807.48	297158.76	2.76	0.49	0.49	0.31	0.69	Urban
4A38	682807.97	297159.25	3.06	682805.97	297158.66	2.67	2.01	0.59	0.40	2.09	Urban
4A39	682798.78	297152.16	3.01	682801.57	297153.22	2.64	-2.79	-1.06	0.37	2.99	Urban
4A40	682789.77	297145.67	2.96	682788.93	297143.40	2.74	0.84	2.27	0.22	2.42	Urban
4A40	682789.77	297145.67	2.96	682790.21	297148.59	2.74	-0.44	-2.92	0.22	2.95	Urban
4A40	682789.77	297145.67	2.96	682789.26	297147.24	2.69	0.51	-1.57	0.27	1.65	Urban
4A40	682789.77	297145.67	2.96	682792.22	297147.44	2.66	-2.45	-1.77	0.30	3.02	Urban
5A1	681773.48	294849.51	2.38	681773.23	294846.50	2.56	0.26	3.01	-0.18	3.02	Bare-earth

5A1	681773.48	294849.51	2.38	681773.13	294852.05	2.45	0.35	-2.54	-0.07	2.57	Bare-earth
5A1	681773.48	294849.51	2.38	681775.69	294849.95	2.38	-2.20	-0.45	0.00	2.25	Bare-earth
5A1	681773.48	294849.51	2.38	681772.70	294849.88	2.33	0.79	-0.38	0.05	0.87	Bare-earth
5A1	681773.48	294849.51	2.38	681771.62	294851.98	2.31	1.86	-2.47	0.07	3.10	Bare-earth
5A2	681772.53	294842.76	2.55	681770.60	294841.05	2.85	1.93	1.71	-0.30	2.58	Bare-earth
5A2	681772.53	294842.76	2.55	681771.13	294844.40	2.83	1.40	-1.64	-0.28	2.15	Bare-earth
5A2	681772.53	294842.76	2.55	681772.08	294841.08	2.79	0.45	1.68	-0.24	1.74	Bare-earth
5A2	681772.53	294842.76	2.55	681773.55	294841.15	2.73	-1.02	1.61	-0.18	1.91	Bare-earth
5A2	681772.53	294842.76	2.55	681775.03	294841.18	2.53	-2.50	1.58	0.02	2.96	Bare-earth
5A3	681771.57	294836.50	2.38	681772.34	294838.92	2.58	-0.77	-2.42	-0.20	2.54	Bare-earth
5A3	681771.57	294836.50	2.38	681770.83	294838.89	2.51	0.74	-2.39	-0.13	2.50	Bare-earth
5A3	681771.57	294836.50	2.38	681772.27	294833.44	2.51	-0.70	3.06	-0.13	3.14	Bare-earth
5A3	681771.57	294836.50	2.38	681770.67	294835.41	2.48	0.90	1.09	-0.10	1.41	Bare-earth
5A3	681771.57	294836.50	2.38	681770.80	294833.37	2.43	0.77	3.13	-0.05	3.22	Bare-earth
5A3	681771.57	294836.50	2.38	681769.19	294835.34	2.37	2.38	1.16	0.01	2.64	Bare-earth
5A3	681771.57	294836.50	2.38	681769.35	294838.82	2.34	2.22	-2.32	0.04	3.21	Bare-earth
5A3	681771.57	294836.50	2.38	681773.62	294835.47	2.27	-2.05	1.03	0.11	2.30	Bare-earth
5A4	681770.74	294830.51	2.26	681770.80	294833.37	2.43	-0.06	-2.86	-0.17	2.86	Bare-earth
5A4	681770.74	294830.51	2.26	681769.29	294833.34	2.39	1.45	-2.83	-0.13	3.18	Bare-earth
5A4	681770.74	294830.51	2.26	681769.09	294827.73	2.38	1.65	2.78	-0.12	3.24	Bare-earth
5A4	681770.74	294830.51	2.26	681772.08	294827.78	2.38	-1.34	2.73	-0.12	3.04	Bare-earth
5A4	681770.74	294830.51	2.26	681770.93	294829.96	2.31	-0.19	0.55	-0.05	0.58	Bare-earth
5A4	681770.74	294830.51	2.26	681767.97	294829.86	2.21	2.77	0.65	0.05	2.85	Bare-earth
5A5	681770.32	294825.61	2.31	681772.60	294824.35	2.44	-2.28	1.26	-0.13	2.60	Bare-earth
5A5	681770.32	294825.61	2.31	681769.09	294827.73	2.38	1.23	-2.12	-0.07	2.45	Bare-earth
5A5	681770.32	294825.61	2.31	681772.08	294827.78	2.38	-1.76	-2.17	-0.07	2.79	Bare-earth
5A5	681770.32	294825.61	2.31	681769.62	294824.25	2.35	0.70	1.36	-0.04	1.53	Bare-earth
5A6	681775.68	294823.70	2.20	681772.60	294824.35	2.44	3.08	-0.65	-0.24	3.14	Bare-earth
5A6	681775.68	294823.70	2.20	681773.46	294822.31	2.43	2.22	1.39	-0.23	2.61	Bare-earth
5A6	681775.68	294823.70	2.20	681777.89	294822.44	2.31	-2.21	1.26	-0.11	2.55	Bare-earth
5A6	681775.68	294823.70	2.20	681776.41	294822.41	2.28	-0.73	1.29	-0.08	1.48	Bare-earth
5A6	681775.68	294823.70	2.20	681774.93	294822.34	2.18	0.75	1.36	0.02	1.55	Bare-earth
5A7	681776.53	294828.85	2.23	681775.39	294830.12	2.28	1.14	-1.27	-0.05	1.71	Bare-earth
5A7	681776.53	294828.85	2.23	681775.03	294827.89	2.24	1.50	0.96	-0.01	1.78	Bare-earth
5A7	681776.53	294828.85	2.23	681777.98	294827.96	2.12	-1.45	0.89	0.11	1.70	Bare-earth
5A8	681777.38	294833.79	2.27	681778.08	294835.64	2.51	-0.70	-1.85	-0.24	1.97	Bare-earth
5A8	681777.38	294833.79	2.27	681776.57	294835.57	2.42	0.81	-1.78	-0.15	1.95	Bare-earth
5A8	681777.38	294833.79	2.27	681775.10	294835.53	2.40	2.28	-1.74	-0.13	2.87	Bare-earth
5A8	681777.38	294833.79	2.27	681776.70	294833.53	2.37	0.68	0.26	-0.10	0.73	Bare-earth
5A8	681777.38	294833.79	2.27	681779.66	294833.63	2.29	-2.28	0.16	-0.02	2.28	Bare-earth
5A9	681778.13	294837.76	2.34	681778.08	294835.64	2.51	0.05	2.12	-0.17	2.12	Bare-earth
5A9	681778.13	294837.76	2.34	681776.57	294835.57	2.42	1.56	2.19	-0.08	2.68	Bare-earth
5A9	681778.13	294837.76	2.34	681776.74	294839.05	2.34	1.39	-1.29	0.00	1.90	Bare-earth
5A9	681778.13	294837.76	2.34	681775.26	294838.98	2.25	2.87	-1.22	0.09	3.12	Bare-earth
5A9	681778.13	294837.76	2.34	681778.21	294839.08	2.23	-0.08	-1.32	0.11	1.33	Bare-earth
5A10	681779.12	294843.28	2.48	681777.03	294844.56	2.72	2.09	-1.28	-0.24	2.45	Bare-earth
5A10	681779.12	294843.28	2.48	681779.99	294844.66	2.66	-0.87	-1.38	-0.18	1.63	Bare-earth
5A10	681779.12	294843.28	2.48	681780.97	294841.38	2.57	-1.85	1.90	-0.09	2.65	Bare-earth

5A11	681693.91	294774.53	2.40	681693.21	294774.53	2.29	0.70	0.00	0.11	0.70	Urban
5A11	681693.91	294774.53	2.40	681692.36	294776.40	2.24	1.55	-1.87	0.16	2.43	Urban
5A11	681693.91	294774.53	2.40	681694.69	294774.59	2.20	-0.78	-0.06	0.20	0.78	Urban
5A11	681693.91	294774.53	2.40	681695.34	294776.50	2.18	-1.43	-1.97	0.22	2.44	Urban
5A12	681694.30	294767.88	2.41	681695.57	294765.27	2.52	-1.27	2.61	-0.11	2.90	Urban
5A12	681694.30	294767.88	2.41	681692.59	294765.17	2.51	1.71	2.71	-0.10	3.21	Urban
5A12	681694.30	294767.88	2.41	681695.87	294768.95	2.44	-1.57	-1.07	-0.03	1.90	Urban
5A12	681694.30	294767.88	2.41	681694.06	294765.21	2.42	0.24	2.67	-0.01	2.68	Urban
5A12	681694.30	294767.88	2.41	681692.88	294768.85	2.37	1.42	-0.97	0.04	1.72	Urban
5A12	681694.30	294767.88	2.41	681697.35	294768.98	2.35	-3.05	-1.10	0.06	3.24	Urban
5A12	681694.30	294767.88	2.41	681695.48	294770.88	2.21	-1.18	-3.00	0.20	3.22	Urban
5A12	681694.30	294767.88	2.41	681694.00	294770.85	2.17	0.30	-2.97	0.24	2.98	Urban
5A13	681694.40	294761.45	2.44	681692.72	294763.37	2.60	1.68	-1.92	-0.16	2.55	Urban
5A13	681694.40	294761.45	2.44	681694.23	294759.78	2.50	0.17	1.67	-0.06	1.67	Urban
5A13	681694.40	294761.45	2.44	681694.16	294763.40	2.47	0.24	-1.95	-0.03	1.97	Urban
5A13	681694.40	294761.45	2.44	681692.72	294759.76	2.46	1.68	1.69	-0.02	2.38	Urban
5A13	681694.40	294761.45	2.44	681695.74	294759.86	2.36	-1.34	1.59	0.08	2.08	Urban
5A14	681694.48	294754.13	2.47	681697.25	294754.34	2.55	-2.77	-0.21	-0.08	2.78	Urban
5A14	681694.48	294754.13	2.47	681695.77	294754.28	2.52	-1.29	-0.15	-0.05	1.30	Urban
5A14	681694.48	294754.13	2.47	681696.56	294752.50	2.46	-2.08	1.63	0.01	2.64	Urban
5A14	681694.48	294754.13	2.47	681695.08	294752.44	2.36	-0.60	1.69	0.11	1.79	Urban
5A14	681694.48	294754.13	2.47	681693.57	294752.41	2.32	0.91	1.72	0.15	1.94	Urban
5A14	681694.48	294754.13	2.47	681691.24	294754.15	2.30	3.24	-0.02	0.17	3.24	Urban
5A14	681694.48	294754.13	2.47	681694.23	294754.24	2.28	0.25	-0.11	0.19	0.27	Urban
5A15	681694.72	294747.93	2.53	681691.67	294746.83	2.47	3.05	1.10	0.06	3.24	Urban
5A15	681694.72	294747.93	2.53	681694.62	294746.93	2.39	0.10	1.00	0.14	1.01	Urban
5A15	681694.72	294747.93	2.53	681693.15	294746.89	2.36	1.57	1.04	0.17	1.89	Urban
5A15	681694.72	294747.93	2.53	681695.84	294748.93	1.99	-1.12	-1.00	0.54	1.50	Urban
5A16	681694.68	294741.35	2.52	681694.52	294738.10	2.44	0.16	3.26	0.08	3.26	Urban
5A16	681694.68	294741.35	2.52	681691.47	294741.48	2.43	3.21	-0.13	0.09	3.21	Urban
5A16	681694.68	294741.35	2.52	681692.92	294743.35	2.32	1.76	-1.99	0.20	2.66	Urban
5A16	681694.68	294741.35	2.52	681697.41	294741.64	2.18	-2.73	-0.29	0.34	2.75	Urban
5A16	681694.68	294741.35	2.52	681694.46	294741.58	2.17	0.22	-0.23	0.35	0.31	Urban
5A17	681694.75	294732.77	2.50	681696.82	294731.03	2.41	-2.07	1.74	0.08	2.70	Urban
5A17	681694.75	294732.77	2.50	681697.51	294732.85	2.33	-2.76	-0.08	0.17	2.76	Urban
5A17	681694.75	294732.77	2.50	681696.03	294732.78	2.28	-1.28	-0.01	0.22	1.28	Urban
5A17	681694.75	294732.77	2.50	681693.80	294730.94	2.28	0.95	1.83	0.22	2.07	Urban
5A17	681694.75	294732.77	2.50	681691.54	294732.65	2.21	3.21	0.12	0.29	3.21	Urban
5A18	681694.60	294723.58	2.40	681693.08	294722.21	2.53	1.52	1.37	-0.13	2.05	Urban
5A18	681694.60	294723.58	2.40	681694.92	294725.66	2.28	-0.32	-2.08	0.12	2.10	Urban
5A19	681694.63	294714.41	2.39	681693.24	294711.68	2.20	1.39	2.73	0.19	3.06	Urban
5A19	681694.63	294714.41	2.39	681696.16	294717.06	1.88	-1.53	-2.65	0.51	3.06	Urban
5A19	681694.63	294714.41	2.39	681697.25	294715.16	1.88	-2.62	-0.75	0.51	2.72	Urban
5A20	681694.80	294705.52	2.36	681693.24	294706.49	2.40	1.56	-0.97	-0.04	1.83	Urban
5A20	681694.80	294705.52	2.36	681691.73	294706.43	2.28	3.07	-0.91	0.08	3.20	Urban
5A20	681694.80	294705.52	2.36	681694.95	294704.59	2.15	-0.15	0.93	0.21	0.95	Urban
5A20	681694.80	294705.52	2.36	681696.20	294706.56	2.00	-1.40	-1.04	0.36	1.75	Urban
5A20	681694.80	294705.52	2.36	681697.71	294706.59	1.92	-2.91	-1.07	0.44	3.10	Urban

5A21	681427.60	294428.99	3.14	681426.95	294431.07	3.31	0.65	-2.08	-0.17	2.18	Forest
5A21	681427.60	294428.99	3.14	681427.17	294429.73	3.31	0.43	-0.74	-0.17	0.85	Forest
5A21	681427.60	294428.99	3.14	681428.45	294431.14	3.09	-0.85	-2.15	0.05	2.31	Forest
5A21	681427.60	294428.99	3.14	681425.60	294429.66	3.07	2.00	-0.67	0.07	2.11	Forest
5A22	681427.77	294422.71	3.15	681426.98	294425.39	3.44	0.79	-2.68	-0.29	2.80	Forest
5A22	681427.77	294422.71	3.15	681428.49	294425.43	3.28	-0.72	-2.72	-0.13	2.82	Forest
5A22	681427.77	294422.71	3.15	681426.78	294424.08	3.28	0.99	-1.37	-0.13	1.69	Forest
5A22	681427.77	294422.71	3.15	681429.87	294424.18	3.23	-2.10	-1.47	-0.08	2.57	Forest
5A22	681427.77	294422.71	3.15	681428.29	294424.11	3.06	-0.52	-1.40	0.09	1.50	Forest
5A23	681427.72	294416.62	3.04	681425.57	294418.11	3.19	2.15	-1.49	-0.15	2.62	Forest
5A23	681427.72	294416.62	3.04	681427.17	294418.21	3.14	0.55	-1.59	-0.10	1.69	Forest
5A24	681427.30	294410.99	3.02	681426.72	294408.56	2.90	0.58	2.43	0.13	2.50	Forest
5A24	681427.30	294410.99	3.02	681425.24	294412.69	2.74	2.06	-1.70	0.28	2.67	Forest
5A25	681427.14	294404.45	3.00	681427.73	294402.03	3.08	-0.59	2.42	-0.08	2.49	Forest
5A26	681426.80	294397.87	2.95	681424.88	294397.56	3.08	1.92	0.31	-0.13	1.95	Forest
5A26	681426.80	294397.87	2.95	681425.76	294396.32	2.71	1.04	1.55	0.24	1.87	Forest
5A29	681408.22	294395.89	3.04	681407.88	294397.00	2.57	0.34	-1.11	0.47	1.16	Forest
5A29	681408.22	294395.89	3.04	681408.73	294395.63	2.25	-0.51	0.26	0.79	0.57	Forest
5A31	681397.07	294395.02	3.10	681397.08	294396.68	2.42	-0.01	-1.66	0.68	1.66	Forest
5A32	681390.87	294395.11	3.15	681389.50	294396.48	3.08	1.37	-1.37	0.07	1.94	Forest
5A32	681390.87	294395.11	3.15	681389.37	294393.99	3.03	1.50	1.12	0.12	1.87	Forest
5A32	681390.87	294395.11	3.15	681388.15	294394.51	2.94	2.72	0.60	0.21	2.78	Forest
5A32	681390.87	294395.11	3.15	681390.42	294395.33	2.93	0.45	-0.22	0.22	0.50	Forest
5A32	681390.87	294395.11	3.15	681393.40	294395.40	2.44	-2.53	-0.29	0.71	2.55	Forest
5A33	681384.57	294395.40	3.35	681383.23	294393.66	2.97	1.34	1.74	0.38	2.20	Forest
5A33	681384.57	294395.40	3.35	681385.76	294395.20	2.96	-1.19	0.20	0.39	1.21	Forest
5A34	681376.61	294395.97	3.50	681376.99	294393.85	3.68	-0.38	2.12	-0.18	2.15	Forest
5A34	681376.61	294395.97	3.50	681376.80	294393.26	3.67	-0.19	2.71	-0.17	2.72	Forest
5A34	681376.61	294395.97	3.50	681375.45	294393.78	3.55	1.16	2.19	-0.05	2.48	Forest
5A34	681376.61	294395.97	3.50	681378.08	294395.00	3.21	-1.47	0.97	0.29	1.76	Forest
5A34	681376.61	294395.97	3.50	681377.06	294398.68	3.19	-0.45	-2.71	0.31	2.75	Forest
5A34	681376.61	294395.97	3.50	681378.70	294396.15	3.15	-2.09	-0.18	0.35	2.10	Forest
5A35	681370.10	294395.03	3.61	681372.66	294395.99	3.83	-2.56	-0.96	-0.22	2.73	Forest
5A36	681363.81	294395.14	3.64	681361.08	294394.53	3.41	2.73	0.61	0.23	2.80	Forest
5A36	681363.81	294395.14	3.64	681362.62	294394.58	3.40	1.19	0.56	0.24	1.31	Forest
5A36	681363.81	294395.14	3.64	681366.33	294395.78	3.19	-2.52	-0.64	0.45	2.60	Forest
5A36	681363.81	294395.14	3.64	681364.85	294393.23	2.90	-1.04	1.91	0.74	2.17	Forest
5A36	681363.81	294395.14	3.64	681364.72	294395.72	2.88	-0.91	-0.58	0.76	1.08	Forest
5A37	681361.11	294402.69	3.65	681361.70	294400.09	3.74	-0.59	2.60	-0.09	2.67	Forest
5A38	681367.23	294404.03	3.57	681366.43	294401.24	2.94	0.80	2.79	0.63	2.90	Forest
5A38	681367.23	294404.03	3.57	681366.52	294405.53	2.79	0.71	-1.50	0.78	1.66	Forest
5A40	681377.53	294405.71	3.47	681374.89	294404.65	3.40	2.64	1.06	0.07	2.84	Forest
5A40	681377.53	294405.71	3.47	681376.44	294404.72	3.33	1.09	0.99	0.14	1.47	Forest
5A40	681377.53	294405.71	3.47	681378.60	294404.32	3.27	-1.07	1.39	0.20	1.75	Forest
5A40	681377.53	294405.71	3.47	681377.52	294405.87	3.22	0.01	-0.16	0.25	0.16	Forest
5A40	681377.53	294405.71	3.47	681378.01	294404.82	3.21	-0.48	0.89	0.26	1.01	Forest
5A41	681383.55	294406.44	3.36	681385.30	294407.31	3.54	-1.76	-0.87	-0.18	1.96	Forest
5A41	681383.55	294406.44	3.36	681383.75	294406.06	3.52	-0.20	0.38	-0.16	0.43	Forest

5A42	681389.16	294407.62	3.23	681386.74	294407.34	3.14	2.42	0.28	0.09	2.44	Forest
5A42	681389.16	294407.62	3.23	681391.34	294407.47	2.97	-2.18	0.15	0.26	2.18	Forest
5A42	681389.16	294407.62	3.23	681386.77	294406.13	2.95	2.39	1.49	0.28	2.82	Forest
5A43	681394.38	294408.52	3.11	681393.90	294410.95	3.20	0.48	-2.43	-0.09	2.47	Forest
5A43	681394.38	294408.52	3.11	681396.06	294406.39	3.05	-1.68	2.13	0.06	2.71	Forest
5A43	681394.38	294408.52	3.11	681394.29	294407.53	2.37	0.09	0.99	0.74	1.00	Forest
5A44	681401.02	294409.53	3.13	681403.51	294411.02	3.17	-2.49	-1.49	-0.04	2.90	Forest
5A44	681401.02	294409.53	3.13	681400.20	294411.31	2.99	0.82	-1.78	0.14	1.96	Forest
5A45	681400.53	294416.86	3.13	681401.90	294416.34	3.32	-1.37	0.52	-0.19	1.47	Forest
5A45	681400.53	294416.86	3.13	681403.45	294416.40	3.32	-2.92	0.46	-0.19	2.96	Forest
5A45	681400.53	294416.86	3.13	681400.56	294418.90	3.20	-0.03	-2.04	-0.07	2.04	Forest
5A45	681400.53	294416.86	3.13	681402.10	294418.96	3.19	-1.57	-2.10	-0.06	2.62	Forest
5A45	681400.53	294416.86	3.13	681401.61	294417.71	3.15	-1.08	-0.85	-0.02	1.38	Forest
5A45	681400.53	294416.86	3.13	681400.07	294417.68	3.14	0.46	-0.82	-0.01	0.94	Forest
5A45	681400.53	294416.86	3.13	681400.39	294416.24	3.12	0.14	0.62	0.01	0.63	Forest
5A45	681400.53	294416.86	3.13	681399.02	294416.70	3.07	1.51	0.16	0.06	1.52	Forest
5A46	681394.00	294416.13	3.13	681394.36	294413.15	3.23	-0.36	2.98	-0.10	3.00	Forest
5A46	681394.00	294416.13	3.13	681391.43	294416.30	2.32	2.57	-0.17	0.81	2.57	Forest
5A48	681380.82	294414.83	3.33	681380.47	294412.76	3.32	0.35	2.07	0.01	2.10	Forest
5A48	681380.82	294414.83	3.33	681381.62	294415.19	3.20	-0.80	-0.36	0.13	0.87	Forest
5A48	681380.82	294414.83	3.33	681380.24	294415.68	3.07	0.58	-0.85	0.26	1.03	Forest
5A48	681380.82	294414.83	3.33	681379.98	294417.12	3.03	0.84	-2.29	0.30	2.44	Forest
5A49	681373.52	294414.07	3.46	681374.30	294412.56	3.23	-0.78	1.51	0.23	1.70	Forest
5A50	681365.76	294413.62	3.55	681362.85	294414.10	3.91	2.91	-0.48	-0.36	2.95	Forest
5A50	681365.76	294413.62	3.55	681363.57	294412.27	3.85	2.19	1.35	-0.30	2.57	Forest
5A50	681365.76	294413.62	3.55	681364.39	294414.20	3.68	1.37	-0.58	-0.13	1.49	Forest
5A50	681365.76	294413.62	3.55	681364.16	294411.12	3.53	1.60	2.50	0.02	2.97	Forest
5A50	681365.76	294413.62	3.55	681366.00	294414.30	3.46	-0.24	-0.68	0.09	0.72	Forest
5A50	681365.76	294413.62	3.55	681366.59	294412.33	3.46	-0.83	1.29	0.09	1.53	Forest
5A51	681358.67	294413.20	3.66	681356.71	294413.74	3.89	1.96	-0.54	-0.23	2.03	Forest
5A51	681358.67	294413.20	3.66	681361.34	294414.01	3.82	-2.67	-0.81	-0.16	2.79	Forest
5A51	681358.67	294413.20	3.66	681360.03	294414.56	3.72	-1.36	-1.36	-0.06	1.92	Forest
5A51	681358.67	294413.20	3.66	681357.96	294410.95	3.71	0.71	2.25	-0.05	2.36	Forest
5A51	681358.67	294413.20	3.66	681358.81	294412.10	3.59	-0.14	1.10	0.07	1.11	Forest
5A52	681351.77	294412.40	3.90	681353.40	294410.85	4.11	-1.63	1.55	-0.21	2.25	Forest
5A52	681351.77	294412.40	3.90	681354.25	294411.97	3.92	-2.48	0.43	-0.02	2.52	Forest
5A52	681351.77	294412.40	3.90	681350.74	294414.07	3.82	1.03	-1.67	0.08	1.97	Forest
5A52	681351.77	294412.40	3.90	681353.89	294414.23	3.45	-2.12	-1.83	0.45	2.81	Forest
5A53	681352.44	294406.47	3.84	681352.84	294406.36	3.92	-0.40	0.11	-0.08	0.42	Forest
5A54	681349.90	294420.72	3.96	681347.65	294419.16	4.20	2.25	1.56	-0.24	2.74	Forest
5A54	681349.90	294420.72	3.96	681348.74	294418.63	4.09	1.16	2.09	-0.13	2.39	Forest
5A54	681349.90	294420.72	3.96	681348.38	294423.03	4.07	1.52	-2.31	-0.11	2.77	Forest
5A54	681349.90	294420.72	3.96	681351.82	294418.80	4.06	-1.92	1.92	-0.10	2.71	Forest
5A54	681349.90	294420.72	3.96	681349.23	294419.26	4.06	0.67	1.46	-0.10	1.61	Forest
5A54	681349.90	294420.72	3.96	681351.49	294423.13	4.05	-1.59	-2.41	-0.09	2.89	Forest
5A54	681349.90	294420.72	3.96	681349.75	294422.01	4.05	0.15	-1.29	-0.09	1.30	Forest
5A54	681349.90	294420.72	3.96	681352.38	294419.42	4.04	-2.48	1.30	-0.08	2.80	Forest
5A54	681349.90	294420.72	3.96	681350.84	294419.32	4.02	-0.94	1.40	-0.06	1.68	Forest

5A54	681349.90	294420.72	3.96	681349.92	294423.10	3.98	-0.02	-2.38	-0.02	2.38	Forest
5A55	681356.56	294421.92	3.77	681354.61	294423.23	3.99	1.95	-1.31	-0.22	2.35	Forest
5A55	681356.56	294421.92	3.77	681354.84	294424.31	3.89	1.72	-2.39	-0.12	2.94	Forest
5A55	681356.56	294421.92	3.77	681355.53	294419.58	3.84	1.03	2.34	-0.07	2.56	Forest
5A55	681356.56	294421.92	3.77	681357.11	294419.68	3.77	-0.55	2.24	0.00	2.31	Forest
5A55	681356.56	294421.92	3.77	681356.51	294419.06	3.75	0.05	2.86	0.02	2.86	Forest
5A55	681356.56	294421.92	3.77	681354.35	294422.11	3.74	2.21	-0.19	0.03	2.22	Forest
5A55	681356.56	294421.92	3.77	681357.99	294424.51	3.70	-1.43	-2.59	0.07	2.95	Forest
5A55	681356.56	294421.92	3.77	681358.98	294422.24	3.70	-2.42	-0.32	0.07	2.44	Forest
5A55	681356.56	294421.92	3.77	681357.40	294422.21	3.49	-0.84	-0.29	0.28	0.88	Forest
5A56	681363.96	294422.77	3.64	681362.65	294424.77	3.68	1.31	-2.00	-0.04	2.39	Forest
5A56	681363.96	294422.77	3.64	681362.29	294423.46	3.66	1.67	-0.69	-0.02	1.81	Forest
5A56	681363.96	294422.77	3.64	681364.23	294424.87	3.49	-0.27	-2.10	0.15	2.11	Forest
5A56	681363.96	294422.77	3.64	681365.77	294424.93	3.45	-1.81	-2.16	0.19	2.81	Forest
5A56	681363.96	294422.77	3.64	681362.00	294422.31	3.38	1.96	0.46	0.26	2.02	Forest
5A56	681363.96	294422.77	3.64	681363.77	294423.49	3.32	0.19	-0.72	0.32	0.74	Forest
5A56	681363.96	294422.77	3.64	681366.59	294422.44	3.22	-2.63	0.33	0.42	2.65	Forest
5A56	681363.96	294422.77	3.64	681365.01	294422.41	3.14	-1.05	0.36	0.50	1.11	Forest
5A57	681371.66	294423.45	3.56	681371.87	294425.26	3.85	-0.21	-1.81	-0.29	1.82	Forest
5A57	681371.66	294423.45	3.56	681372.79	294425.85	3.84	-1.13	-2.40	-0.28	2.65	Forest
5A57	681371.66	294423.45	3.56	681373.42	294425.36	3.82	-1.76	-1.91	-0.26	2.60	Forest
5A57	681371.66	294423.45	3.56	681369.81	294425.69	3.44	1.85	-2.24	0.12	2.90	Forest
5A57	681371.66	294423.45	3.56	681372.79	294422.60	3.38	-1.13	0.85	0.18	1.42	Forest
5A57	681371.66	294423.45	3.56	681369.71	294422.53	3.25	1.95	0.92	0.31	2.15	Forest
5A57	681371.66	294423.45	3.56	681371.22	294422.57	3.16	0.44	0.88	0.40	0.98	Forest
5A58	681378.76	294423.98	3.48	681376.53	294425.52	3.93	2.23	-1.54	-0.45	2.71	Forest
5A58	681378.76	294423.98	3.48	681377.42	294426.08	3.93	1.34	-2.10	-0.45	2.49	Forest
5A58	681378.76	294423.98	3.48	681376.21	294423.85	3.59	2.55	0.13	-0.11	2.55	Forest
5A58	681378.76	294423.98	3.48	681380.57	294422.83	3.50	-1.81	1.15	-0.02	2.14	Forest
5A58	681378.76	294423.98	3.48	681379.19	294423.95	3.14	-0.43	0.03	0.34	0.43	Forest
5A59	681385.33	294424.76	3.42	681386.71	294423.00	3.24	-1.38	1.76	0.18	2.24	Forest
6A1	679615.98	292881.06	3.80	679615.46	292878.45	4.29	0.52	2.61	-0.49	2.66	Brush
6A1	679615.98	292881.06	3.80	679615.99	292883.87	4.20	-0.01	-2.81	-0.40	2.81	Brush
6A1	679615.98	292881.06	3.80	679617.43	292883.83	4.15	-1.45	-2.77	-0.35	3.12	Brush
6A1	679615.98	292881.06	3.80	679614.35	292882.00	4.10	1.63	-0.94	-0.30	1.88	Brush
6A1	679615.98	292881.06	3.80	679618.71	292881.90	3.85	-2.73	-0.84	-0.05	2.85	Brush
6A1	679615.98	292881.06	3.80	679612.94	292882.00	3.76	3.04	-0.94	0.04	3.18	Brush
6A2	679613.16	292890.45	3.58	679612.48	292889.58	3.89	0.68	0.87	-0.31	1.11	Brush
6A2	679613.16	292890.45	3.58	679611.03	292889.58	3.79	2.13	0.87	-0.21	2.30	Brush
6A2	679613.16	292890.45	3.58	679615.37	292889.51	3.68	-2.21	0.94	-0.10	2.41	Brush
6A2	679613.16	292890.45	3.58	679611.76	292887.51	3.67	1.40	2.94	-0.09	3.26	Brush
6A3	679611.29	292900.16	3.34	679612.41	292898.50	3.66	-1.12	1.66	-0.32	2.00	Brush
6A3	679611.29	292900.16	3.34	679609.52	292898.53	3.47	1.77	1.63	-0.13	2.41	Brush
6A3	679611.29	292900.16	3.34	679612.45	292900.51	3.39	-1.16	-0.35	-0.05	1.21	Brush
6A4	679609.99	292910.52	3.01	679608.34	292911.44	3.40	1.65	-0.92	-0.39	1.89	Brush
6A4	679609.99	292910.52	3.01	679610.44	292909.37	3.29	-0.45	1.15	-0.28	1.24	Brush
6A4	679609.99	292910.52	3.01	679609.00	292909.40	3.27	0.99	1.12	-0.26	1.50	Brush
6A5	679608.51	292922.25	2.82	679607.52	292922.10	3.20	0.99	0.15	-0.38	1.00	Brush

6A5	679608.51	292922.25	2.82	679610.25	292920.10	2.98	-1.74	2.15	-0.16	2.77	Brush
6A5	679608.51	292922.25	2.82	679610.41	292922.00	2.87	-1.90	0.25	-0.05	1.92	Brush
6A5	679608.51	292922.25	2.82	679608.05	292925.42	2.76	0.46	-3.17	0.06	3.20	Brush
6A6	679606.38	292933.05	2.48	679606.05	292930.80	2.80	0.33	2.25	-0.32	2.27	Brush
6A6	679606.38	292933.05	2.48	679607.03	292932.70	2.42	-0.65	0.35	0.06	0.74	Brush
6A6	679606.38	292933.05	2.48	679604.14	292932.77	2.35	2.24	0.28	0.13	2.26	Brush
6A6	679606.38	292933.05	2.48	679605.59	292936.02	2.03	0.79	-2.97	0.45	3.08	Brush
6A7	679595.72	292930.58	2.61	679597.38	292930.96	2.81	-1.66	-0.38	-0.20	1.70	Brush
6A7	679595.72	292930.58	2.61	679596.89	292932.97	2.80	-1.17	-2.39	-0.19	2.66	Brush
6A7	679595.72	292930.58	2.61	679595.54	292927.58	2.67	0.18	3.00	-0.06	3.01	Brush
6A9	679595.44	292911.23	2.95	679595.94	292909.66	3.55	-0.50	1.57	-0.60	1.65	Brush
6A9	679595.44	292911.23	2.95	679593.05	292909.66	3.15	2.39	1.57	-0.20	2.86	Brush
6A9	679595.44	292911.23	2.95	679595.38	292911.67	3.03	0.06	-0.44	-0.08	0.45	Brush
6A10	679596.83	292901.46	3.13	679598.00	292900.80	3.59	-1.17	0.66	-0.46	1.35	Brush
6A10	679596.83	292901.46	3.13	679593.67	292900.87	3.41	3.16	0.59	-0.28	3.21	Brush
6A10	679596.83	292901.46	3.13	679595.48	292904.25	2.99	1.35	-2.79	0.14	3.10	Brush
6A11	679598.04	292891.28	3.55	679595.15	292889.91	3.82	2.89	1.37	-0.27	3.19	Brush
6A11	679598.04	292891.28	3.55	679599.48	292889.84	3.79	-1.44	1.44	-0.24	2.04	Brush
6A11	679598.04	292891.28	3.55	679598.04	292889.87	3.76	0.00	1.41	-0.21	1.41	Brush
6A11	679598.04	292891.28	3.55	679600.50	292893.25	3.64	-2.46	-1.97	-0.09	3.16	Brush
6A11	679598.04	292891.28	3.55	679596.17	292893.32	3.64	1.87	-2.04	-0.09	2.77	Brush
6A11	679598.04	292891.28	3.55	679599.05	292893.28	3.59	-1.01	-2.00	-0.04	2.24	Brush
6A12	679599.19	292880.81	3.66	679601.06	292878.75	3.94	-1.87	2.06	-0.28	2.78	Brush
6A12	679599.19	292880.81	3.66	679599.88	292882.23	3.93	-0.69	-1.42	-0.27	1.58	Brush
6A12	679599.19	292880.81	3.66	679598.43	292882.26	3.92	0.76	-1.45	-0.26	1.64	Brush
6A12	679599.19	292880.81	3.66	679598.17	292878.78	3.92	1.02	2.03	-0.26	2.27	Brush
6A12	679599.19	292880.81	3.66	679597.02	292882.26	3.75	2.17	-1.45	-0.09	2.61	Brush
6A13	679591.14	292876.02	3.78	679591.67	292873.23	4.01	-0.53	2.79	-0.23	2.84	Brush
6A13	679591.14	292876.02	3.78	679591.01	292876.81	3.88	0.13	-0.79	-0.10	0.80	Brush
6A13	679591.14	292876.02	3.78	679590.95	292878.94	3.84	0.19	-2.92	-0.06	2.93	Brush
6A14	679585.32	292883.66	3.50	679585.43	292882.46	3.53	-0.11	1.20	-0.03	1.21	Brush
6A15	679581.52	292893.16	3.26	679579.79	292895.62	3.45	1.73	-2.46	-0.19	3.01	Brush
6A15	679581.52	292893.16	3.26	679580.74	292890.20	3.39	0.78	2.96	-0.13	3.06	Brush
6A16	679576.08	292902.53	3.02	679573.49	292901.28	3.24	2.59	1.25	-0.22	2.88	Brush
6A16	679576.08	292902.53	3.02	679576.34	292901.23	3.17	-0.26	1.30	-0.15	1.32	Brush
6A16	679576.08	292902.53	3.02	679575.23	292904.61	2.89	0.85	-2.08	0.13	2.25	Brush
6A18	679555.32	292908.13	2.69	679556.91	292910.28	2.81	-1.59	-2.15	-0.12	2.67	Brush
6A19	679558.78	292896.61	2.99	679558.59	292893.98	3.39	0.19	2.63	-0.40	2.64	Brush
6A19	679558.78	292896.61	2.99	679560.07	292893.94	3.15	-1.29	2.67	-0.16	2.97	Brush
6A19	679558.78	292896.61	2.99	679558.19	292896.03	3.13	0.59	0.58	-0.14	0.83	Brush
6A19	679558.78	292896.61	2.99	679556.75	292896.03	3.10	2.03	0.58	-0.11	2.12	Brush
6A19	679558.78	292896.61	2.99	679558.95	292899.39	2.87	-0.17	-2.78	0.12	2.78	Brush
6A21	679564.31	292873.59	3.66	679564.30	292873.78	4.03	0.01	-0.19	-0.37	0.19	Brush
6A21	679564.31	292873.59	3.66	679564.66	292871.69	3.98	-0.35	1.90	-0.32	1.94	Brush
6A21	679564.31	292873.59	3.66	679566.10	292871.66	3.95	-1.79	1.93	-0.29	2.64	Brush
6A25	679531.90	292892.84	3.32	679530.23	292891.22	3.48	1.67	1.62	-0.16	2.33	Brush
6A25	679531.90	292892.84	3.32	679534.07	292894.40	3.30	-2.17	-1.56	0.02	2.67	Brush
6A25	679531.90	292892.84	3.32	679533.12	292891.15	3.12	-1.22	1.69	0.20	2.09	Brush

6A26	679402.33	292909.23	1.46	679400.92	292907.66	2.07	1.41	1.57	-0.61	2.11	Forest
6A26	679402.33	292909.23	1.46	679402.37	292907.60	1.70	-0.04	1.63	-0.24	1.63	Forest
6A26	679402.33	292909.23	1.46	679400.07	292910.12	1.65	2.26	-0.89	-0.19	2.43	Forest
6A26	679402.33	292909.23	1.46	679402.93	292910.06	1.27	-0.60	-0.83	0.19	1.02	Forest
6A28	679373.74	292894.07	1.66	679376.41	292894.30	2.29	-2.67	-0.23	-0.63	2.68	Forest
6A28	679373.74	292894.07	1.66	679372.11	292894.40	2.22	1.63	-0.34	-0.56	1.66	Forest
6A28	679373.74	292894.07	1.66	679373.95	292891.58	2.17	-0.21	2.48	-0.51	2.49	Forest
6A28	679373.74	292894.07	1.66	679373.55	292894.37	2.15	0.19	-0.30	-0.49	0.36	Forest
6A28	679373.74	292894.07	1.66	679372.50	292891.58	2.04	1.24	2.48	-0.38	2.78	Forest
6A29	679378.56	292881.79	1.72	679377.82	292880.39	2.42	0.74	1.40	-0.70	1.59	Forest
6A29	679378.56	292881.79	1.72	679376.57	292883.21	2.33	1.99	-1.42	-0.61	2.45	Forest
6A29	679378.56	292881.79	1.72	679379.26	292880.36	2.27	-0.70	1.43	-0.55	1.59	Forest
6A29	679378.56	292881.79	1.72	679380.87	292883.11	2.14	-2.31	-1.32	-0.42	2.66	Forest
6A32	679400.65	292863.51	1.61	679402.07	292865.62	2.36	-1.42	-2.11	-0.75	2.54	Forest
6A32	679400.65	292863.51	1.61	679400.63	292865.62	2.09	0.02	-2.11	-0.48	2.11	Forest
6A32	679400.65	292863.51	1.61	679401.65	292862.93	1.93	-1.00	0.58	-0.32	1.16	Forest
6A33	679389.13	292863.93	1.59	679390.16	292863.16	2.31	-1.03	0.77	-0.72	1.29	Forest
6A33	679389.13	292863.93	1.59	679389.14	292865.85	1.88	-0.01	-1.92	-0.29	1.92	Forest
6A34	679375.71	292864.33	1.78	679375.75	292863.39	2.14	-0.04	0.94	-0.36	0.94	Forest
6A34	679375.71	292864.33	1.78	679377.19	292863.36	1.95	-1.48	0.97	-0.17	1.76	Forest
6A35	679369.48	292869.70	1.59	679368.66	292869.17	1.48	0.82	0.53	0.11	0.97	Forest
6A35	679369.48	292869.70	1.59	679368.17	292872.05	1.33	1.31	-2.35	0.26	2.69	Forest
6A36	679357.15	292865.98	1.54	679357.08	292863.72	2.29	0.07	2.26	-0.75	2.26	Forest
6A36	679357.15	292865.98	1.54	679356.03	292866.53	2.20	1.12	-0.55	-0.66	1.25	Forest
6A37	679348.18	292854.80	1.62	679346.34	292855.22	2.36	1.84	-0.41	-0.74	1.88	Forest
6A37	679348.18	292854.80	1.62	679348.12	292852.30	2.19	0.06	2.51	-0.57	2.51	Forest
6A37	679348.18	292854.80	1.62	679346.67	292852.30	2.08	1.51	2.51	-0.46	2.92	Forest
6A37	679348.18	292854.80	1.62	679350.64	292855.12	2.05	-2.46	-0.32	-0.43	2.49	Forest
6A40	679307.81	292856.25	1.96	679307.45	292856.03	2.70	0.36	0.22	-0.74	0.43	Forest
6A40	679307.81	292856.25	1.96	679306.01	292856.07	2.62	1.80	0.18	-0.66	1.81	Forest
6A40	679307.81	292856.25	1.96	679307.88	292858.73	2.49	-0.07	-2.48	-0.53	2.48	Forest
6A40	679307.81	292856.25	1.96	679306.44	292858.76	2.41	1.38	-2.51	-0.45	2.86	Forest
6A40	679307.81	292856.25	1.96	679309.32	292858.70	2.40	-1.51	-2.45	-0.44	2.88	Forest
6A46	679513.11	292810.45	4.06	679511.89	292809.37	4.03	1.22	1.08	0.03	1.63	Urban
6A46	679513.11	292810.45	4.06	679510.44	292809.37	3.98	2.68	1.08	0.08	2.88	Urban
6A46	679513.11	292810.45	4.06	679513.33	292809.33	3.96	-0.21	1.11	0.10	1.14	Urban
6A46	679513.11	292810.45	4.06	679513.46	292811.80	3.92	-0.34	-1.35	0.14	1.40	Urban
6A46	679513.11	292810.45	4.06	679510.57	292811.83	3.89	2.55	-1.39	0.17	2.90	Urban
6A47	679518.15	292800.91	4.24	679517.37	292803.59	4.22	0.78	-2.68	0.02	2.79	Urban
6A47	679518.15	292800.91	4.24	679520.85	292800.21	4.15	-2.70	0.70	0.09	2.79	Urban
6A47	679518.15	292800.91	4.24	679517.96	292800.24	3.93	0.19	0.67	0.31	0.69	Urban
6A48	679526.00	292805.82	4.21	679525.64	292805.72	4.09	0.35	0.10	0.12	0.37	Urban
6A48	679526.00	292805.82	4.21	679527.48	292803.39	3.85	-1.48	2.43	0.36	2.85	Urban
6A48	679526.00	292805.82	4.21	679522.78	292805.76	3.80	3.21	0.06	0.41	3.22	Urban
6A49	679521.01	292816.75	4.06	679522.32	292815.01	4.03	-1.31	1.73	0.03	2.18	Urban
6A49	679521.01	292816.75	4.06	679519.43	292815.05	3.78	1.58	1.70	0.28	2.32	Urban
6A49	679521.01	292816.75	4.06	679519.76	292817.31	3.75	1.25	-0.57	0.31	1.37	Urban
6A49	679521.01	292816.75	4.06	679524.13	292817.21	3.44	-3.12	-0.47	0.62	3.16	Urban

6A50	679528.93	292820.54	4.08	679530.66	292823.05	4.38	-1.73	-2.51	-0.30	3.05	Urban
6A50	679528.93	292820.54	4.08	679527.77	292823.09	4.19	1.16	-2.55	-0.11	2.80	Urban
6A50	679528.93	292820.54	4.08	679526.85	292820.59	4.13	2.08	-0.05	-0.05	2.08	Urban
6A50	679528.93	292820.54	4.08	679528.30	292820.59	4.07	0.63	-0.05	0.01	0.63	Urban
6A50	679528.93	292820.54	4.08	679529.74	292820.56	4.06	-0.81	-0.02	0.02	0.82	Urban
6A50	679528.93	292820.54	4.08	679531.18	292820.53	3.99	-2.26	0.01	0.09	2.26	Urban
6A51	679534.96	292809.86	4.21	679536.50	292811.34	4.15	-1.54	-1.48	0.06	2.14	Urban
6A51	679534.96	292809.86	4.21	679536.37	292808.94	4.08	-1.41	0.92	0.13	1.68	Urban
6A51	679534.96	292809.86	4.21	679534.93	292808.97	4.04	0.03	0.89	0.17	0.89	Urban
6A52	679543.35	292814.25	4.23	679542.24	292811.24	4.39	1.11	3.01	-0.16	3.21	Urban
6A52	679543.35	292814.25	4.23	679544.25	292816.85	4.01	-0.90	-2.60	0.22	2.75	Urban
6A52	679543.35	292814.25	4.23	679541.06	292814.72	3.94	2.29	-0.47	0.29	2.34	Urban
6A53	679539.55	292824.32	4.18	679542.15	292822.78	4.10	-2.60	1.54	0.08	3.02	Urban
6A53	679539.55	292824.32	4.18	679540.77	292822.78	3.84	-1.22	1.54	0.34	1.97	Urban
6A54	679547.46	292828.79	4.18	679547.36	292826.11	4.38	0.10	2.68	-0.20	2.68	Urban
6A54	679547.46	292828.79	4.18	679545.53	292828.40	4.37	1.93	0.39	-0.19	1.97	Urban
6A54	679547.46	292828.79	4.18	679545.92	292826.14	4.35	1.54	2.65	-0.17	3.07	Urban
6A54	679547.46	292828.79	4.18	679546.97	292828.37	4.34	0.49	0.42	-0.16	0.65	Urban
6A54	679547.46	292828.79	4.18	679548.41	292828.34	4.34	-0.95	0.45	-0.16	1.05	Urban
6A54	679547.46	292828.79	4.18	679547.56	292831.82	4.11	-0.10	-3.03	0.07	3.03	Urban
6A54	679547.46	292828.79	4.18	679549.86	292828.30	4.03	-2.40	0.49	0.15	2.45	Urban
6A55	679554.34	292814.99	4.25	679556.91	292814.45	4.14	-2.57	0.54	0.11	2.62	Urban
6A55	679554.34	292814.99	4.25	679555.47	292814.49	4.11	-1.13	0.50	0.14	1.23	Urban
6A55	679554.34	292814.99	4.25	679552.58	292814.52	4.08	1.76	0.47	0.17	1.83	Urban
6A55	679554.34	292814.99	4.25	679555.80	292816.62	4.06	-1.46	-1.63	0.19	2.18	Urban
6A55	679554.34	292814.99	4.25	679554.03	292814.49	3.96	0.31	0.50	0.29	0.59	Urban
6A55	679554.34	292814.99	4.25	679551.14	292814.52	3.88	3.20	0.47	0.37	3.24	Urban
7A1	675907.73	292556.22	3.40	675904.72	292557.10	3.55	3.01	-0.88	-0.15	3.14	Urban
7A1	675907.73	292556.22	3.40	675906.20	292557.16	3.45	1.53	-0.94	-0.05	1.80	Urban
7A1	675907.73	292556.22	3.40	675905.35	292555.36	3.34	2.38	0.86	0.06	2.53	Urban
7A1	675907.73	292556.22	3.40	675909.74	292555.55	3.17	-2.01	0.67	0.23	2.12	Urban
7A2	675899.39	292554.27	3.40	675900.52	292551.75	3.32	-1.14	2.52	0.08	2.76	Urban
7A2	675899.39	292554.27	3.40	675899.08	292551.68	3.25	0.31	2.59	0.15	2.61	Urban
7A3	675890.74	292552.72	3.40	675891.27	292549.58	3.31	-0.53	3.14	0.09	3.18	Urban
7A3	675890.74	292552.72	3.40	675893.33	292551.45	3.21	-2.59	1.27	0.19	2.88	Urban
7A4	675883.71	292551.45	3.39	675885.49	292549.32	3.46	-1.78	2.13	-0.07	2.77	Urban
7A4	675883.71	292551.45	3.39	675883.65	292554.41	3.45	0.06	-2.96	-0.06	2.96	Urban
7A4	675883.71	292551.45	3.39	675884.05	292549.25	3.44	-0.34	2.20	-0.05	2.23	Urban
7A4	675883.71	292551.45	3.39	675883.19	292551.03	3.42	0.53	0.42	-0.03	0.67	Urban
7A4	675883.71	292551.45	3.39	675882.60	292549.19	3.36	1.11	2.26	0.03	2.52	Urban
7A11	675839.90	292543.62	3.32	675842.69	292542.33	3.54	-2.79	1.29	-0.22	3.08	Urban
7A11	675839.90	292543.62	3.32	675841.28	292542.26	3.42	-1.38	1.36	-0.10	1.94	Urban
7A11	675839.90	292543.62	3.32	675838.39	292542.16	3.22	1.51	1.46	0.10	2.10	Urban
7A11	675839.90	292543.62	3.32	675837.18	292544.07	3.11	2.72	-0.45	0.21	2.75	Urban
7A11	675839.90	292543.62	3.32	675840.07	292544.20	3.04	-0.17	-0.58	0.28	0.60	Urban
7A12	675833.03	292542.21	3.32	675835.51	292542.03	3.31	-2.48	0.18	0.01	2.49	Urban
7A12	675833.03	292542.21	3.32	675831.17	292541.84	3.19	1.86	0.37	0.13	1.89	Urban
7A12	675833.03	292542.21	3.32	675831.44	292543.84	2.78	1.59	-1.63	0.54	2.28	Urban

7A13	675825.70	292540.51	3.35	675825.43	292541.57	3.32	0.27	-1.07	0.03	1.10	Urban
7A13	675825.70	292540.51	3.35	675827.17	292538.52	3.31	-1.47	1.98	0.04	2.47	Urban
7A13	675825.70	292540.51	3.35	675825.63	292543.58	3.31	0.07	-3.08	0.04	3.08	Urban
7A13	675825.70	292540.51	3.35	675824.28	292538.39	3.25	1.42	2.11	0.10	2.55	Urban
7A14	675816.34	292538.27	3.31	675818.57	292536.16	3.56	-2.23	2.11	-0.25	3.07	Urban
7A14	675816.34	292538.27	3.31	675817.16	292536.09	3.47	-0.82	2.18	-0.16	2.32	Urban
7A14	675816.34	292538.27	3.31	675818.54	292538.16	3.43	-2.20	0.11	-0.12	2.20	Urban
7A14	675816.34	292538.27	3.31	675814.24	292538.00	3.34	2.10	0.27	-0.03	2.12	Urban
7A14	675816.34	292538.27	3.31	675815.39	292541.15	3.09	0.95	-2.88	0.22	3.04	Urban
7A15	675806.43	292535.90	3.33	675805.71	292535.60	3.17	0.72	0.30	0.16	0.78	Urban
7A15	675806.43	292535.90	3.33	675805.64	292537.64	2.96	0.79	-1.74	0.37	1.91	Urban
7A16	675800.71	292533.73	3.32	675802.78	292532.52	3.30	-2.07	1.21	0.02	2.39	Urban
7A16	675800.71	292533.73	3.32	675801.34	292532.45	3.26	-0.63	1.28	0.06	1.42	Urban
7A16	675800.71	292533.73	3.32	675801.37	292535.40	3.17	-0.66	-1.67	0.15	1.80	Urban
7A16	675800.71	292533.73	3.32	675798.52	292535.31	3.16	2.19	-1.58	0.16	2.70	Urban
7A16	675800.71	292533.73	3.32	675802.82	292535.47	3.09	-2.11	-1.74	0.23	2.73	Urban
7A17	675794.35	292530.68	3.26	675797.04	292532.28	3.41	-2.69	-1.60	-0.15	3.13	Urban
7A17	675794.35	292530.68	3.26	675792.71	292532.09	3.34	1.64	-1.41	-0.08	2.17	Urban
7A17	675794.35	292530.68	3.26	675791.72	292530.05	3.33	2.63	0.63	-0.07	2.71	Urban
7A17	675794.35	292530.68	3.26	675796.02	292530.22	3.31	-1.67	0.46	-0.05	1.73	Urban
7A18	675788.48	292527.96	3.24	675788.84	292529.92	3.39	-0.36	-1.96	-0.15	1.99	Urban
7A18	675788.48	292527.96	3.24	675789.20	292524.80	3.27	-0.72	3.16	-0.03	3.24	Urban
7A18	675788.48	292527.96	3.24	675789.85	292526.97	3.25	-1.37	0.99	-0.01	1.69	Urban
7A18	675788.48	292527.96	3.24	675785.98	292529.78	3.25	2.50	-1.82	-0.01	3.09	Urban
7A18	675788.48	292527.96	3.24	675787.00	292526.84	3.19	1.48	1.12	0.05	1.86	Urban
7A18	675788.48	292527.96	3.24	675787.79	292524.77	3.17	0.69	3.19	0.07	3.26	Urban
7A19	675782.57	292525.15	3.23	675781.25	292526.58	3.44	1.32	-1.43	-0.21	1.94	Urban
7A19	675782.57	292525.15	3.23	675782.70	292526.64	3.37	-0.13	-1.49	-0.14	1.50	Urban
7A19	675782.57	292525.15	3.23	675784.11	292526.71	3.35	-1.54	-1.56	-0.12	2.19	Urban
7A19	675782.57	292525.15	3.23	675782.04	292524.51	3.27	0.53	0.64	-0.04	0.83	Urban
7A19	675782.57	292525.15	3.23	675783.49	292524.57	3.23	-0.92	0.58	0.00	1.09	Urban
7A19	675782.57	292525.15	3.23	675784.93	292524.64	3.23	-2.36	0.51	0.00	2.42	Urban
7A19	675782.57	292525.15	3.23	675780.63	292524.44	3.11	1.94	0.71	0.12	2.06	Urban
7A20	675777.12	292522.24	3.24	675776.33	292524.25	3.09	0.79	-2.01	0.15	2.16	Urban
7A20	675777.12	292522.24	3.24	675778.50	292521.52	2.93	-1.38	0.72	0.31	1.55	Urban
7A20	675777.12	292522.24	3.24	675779.22	292524.38	2.90	-2.10	-2.14	0.34	2.99	Urban
7A21	675797.46	292482.95	2.99	675796.38	292485.03	3.13	1.08	-2.08	-0.14	2.34	Bare-earth
7A21	675797.46	292482.95	2.99	675797.30	292482.20	3.06	0.16	0.75	-0.07	0.77	Bare-earth
7A21	675797.46	292482.95	2.99	675798.75	292482.27	3.04	-1.29	0.68	-0.05	1.46	Bare-earth
7A21	675797.46	292482.95	2.99	675800.19	292482.33	2.87	-2.73	0.62	0.12	2.80	Bare-earth
7A22	675794.38	292476.40	2.96	675791.76	292477.05	3.18	2.62	-0.65	-0.22	2.70	Bare-earth
7A22	675794.38	292476.40	2.96	675793.20	292477.12	3.04	1.18	-0.72	-0.08	1.38	Bare-earth
7A22	675794.38	292476.40	2.96	675796.15	292475.25	3.01	-1.77	1.15	-0.05	2.11	Bare-earth
7A23	675788.33	292475.86	3.02	675786.08	292474.78	3.30	2.25	1.08	-0.28	2.50	Bare-earth
7A23	675788.33	292475.86	3.02	675790.31	292476.98	3.16	-1.98	-1.11	-0.14	2.27	Bare-earth
7A23	675788.33	292475.86	3.02	675788.97	292474.92	3.15	-0.64	0.95	-0.13	1.14	Bare-earth
7A23	675788.33	292475.86	3.02	675787.52	292474.85	3.11	0.81	1.02	-0.09	1.30	Bare-earth
7A23	675788.33	292475.86	3.02	675790.41	292474.98	3.06	-2.08	0.89	-0.04	2.26	Bare-earth

7A23	675788.33	292475.86	3.02	675787.46	292476.89	3.04	0.87	-1.03	-0.02	1.34	Bare-earth
7A24	675787.01	292483.23	3.01	675786.34	292484.60	3.20	0.67	-1.37	-0.19	1.52	Bare-earth
7A24	675787.01	292483.23	3.01	675787.79	292484.66	3.10	-0.78	-1.43	-0.09	1.63	Bare-earth
7A24	675787.01	292483.23	3.01	675787.33	292481.78	2.98	-0.32	1.45	0.03	1.49	Bare-earth
7A24	675787.01	292483.23	3.01	675785.88	292481.74	2.92	1.13	1.49	0.09	1.87	Bare-earth
7A25	675781.48	292483.32	3.09	675781.55	292481.55	3.23	-0.07	1.77	-0.14	1.77	Bare-earth
7A25	675781.48	292483.32	3.09	675779.15	292484.27	3.19	2.33	-0.95	-0.10	2.52	Bare-earth
7A25	675781.48	292483.32	3.09	675783.49	292484.47	3.19	-2.01	-1.15	-0.10	2.32	Bare-earth
7A25	675781.48	292483.32	3.09	675780.14	292481.48	3.14	1.34	1.84	-0.05	2.27	Bare-earth
7A26	675780.53	292477.08	3.00	675779.94	292479.41	3.35	0.59	-2.33	-0.35	2.40	Bare-earth
7A26	675780.53	292477.08	3.00	675778.50	292479.35	3.31	2.03	-2.27	-0.31	3.04	Bare-earth
7A26	675780.53	292477.08	3.00	675783.16	292476.69	3.22	-2.63	0.39	-0.22	2.66	Bare-earth
7A26	675780.53	292477.08	3.00	675778.89	292476.53	3.14	1.64	0.55	-0.14	1.73	Bare-earth
7A26	675780.53	292477.08	3.00	675781.75	292476.62	3.06	-1.22	0.46	-0.06	1.31	Bare-earth
7A26	675780.53	292477.08	3.00	675781.81	292474.62	3.00	-1.28	2.46	0.00	2.78	Bare-earth
7A26	675780.53	292477.08	3.00	675780.37	292474.56	2.91	0.16	2.52	0.09	2.53	Bare-earth
7A27	675774.74	292476.51	3.01	675772.75	292479.09	3.27	1.99	-2.58	-0.26	3.26	Bare-earth
7A27	675774.74	292476.51	3.01	675774.20	292479.18	3.11	0.54	-2.67	-0.10	2.73	Bare-earth
7A27	675774.74	292476.51	3.01	675775.64	292479.22	3.11	-0.90	-2.71	-0.10	2.86	Bare-earth
7A27	675774.74	292476.51	3.01	675774.62	292476.33	3.03	0.12	0.18	-0.02	0.21	Bare-earth
7A27	675774.74	292476.51	3.01	675776.04	292476.39	2.99	-1.30	0.12	0.02	1.31	Bare-earth
7A27	675774.74	292476.51	3.01	675776.07	292474.36	2.98	-1.33	2.15	0.03	2.53	Bare-earth
7A28	675773.49	292483.86	3.13	675772.66	292486.03	3.46	0.83	-2.17	-0.33	2.32	Bare-earth
7A28	675773.49	292483.86	3.13	675771.21	292486.01	3.33	2.28	-2.15	-0.20	3.13	Bare-earth
7A28	675773.49	292483.86	3.13	675774.10	292486.14	3.18	-0.61	-2.28	-0.05	2.36	Bare-earth
7A28	675773.49	292483.86	3.13	675772.00	292483.94	3.15	1.49	-0.08	-0.02	1.50	Bare-earth
7A28	675773.49	292483.86	3.13	675774.85	292484.07	3.15	-1.36	-0.21	-0.02	1.37	Bare-earth
7A28	675773.49	292483.86	3.13	675772.98	292481.19	3.06	0.51	2.67	0.07	2.72	Bare-earth
7A28	675773.49	292483.86	3.13	675774.43	292481.25	2.74	-0.94	2.61	0.39	2.78	Bare-earth
7A29	675768.31	292483.48	3.20	675767.67	292483.75	3.39	0.64	-0.27	-0.19	0.69	Bare-earth
7A29	675768.31	292483.48	3.20	675768.65	292480.99	3.28	-0.34	2.49	-0.08	2.52	Bare-earth
7A29	675768.31	292483.48	3.20	675767.24	292480.92	3.28	1.07	2.56	-0.08	2.78	Bare-earth
7A29	675768.31	292483.48	3.20	675768.36	292485.88	3.26	-0.05	-2.40	-0.06	2.40	Bare-earth
7A29	675768.31	292483.48	3.20	675770.13	292481.05	3.06	-1.82	2.43	0.14	3.04	Bare-earth
7A30	675768.01	292476.67	3.05	675767.01	292478.86	3.34	1.00	-2.19	-0.29	2.41	Bare-earth
7A30	675768.01	292476.67	3.05	675766.06	292475.97	3.27	1.95	0.70	-0.22	2.07	Bare-earth
7A30	675768.01	292476.67	3.05	675765.60	292478.78	3.25	2.41	-2.11	-0.20	3.20	Bare-earth
7A30	675768.01	292476.67	3.05	675768.91	292474.03	3.18	-0.90	2.64	-0.13	2.79	Bare-earth
7A30	675768.01	292476.67	3.05	675769.93	292478.99	3.15	-1.92	-2.32	-0.10	3.01	Bare-earth
7A30	675768.01	292476.67	3.05	675767.50	292476.03	3.11	0.51	0.64	-0.06	0.82	Bare-earth
7A30	675768.01	292476.67	3.05	675770.36	292476.16	2.91	-2.35	0.51	0.14	2.41	Bare-earth
7A31	675762.39	292476.41	3.14	675761.76	292475.77	3.41	0.63	0.64	-0.27	0.90	Bare-earth
7A31	675762.39	292476.41	3.14	675763.17	292475.84	3.40	-0.78	0.57	-0.26	0.97	Bare-earth
7A31	675762.39	292476.41	3.14	675764.61	292475.90	3.31	-2.22	0.51	-0.17	2.28	Bare-earth
7A31	675762.39	292476.41	3.14	675761.76	292473.70	3.19	0.63	2.71	-0.05	2.78	Bare-earth
7A31	675762.39	292476.41	3.14	675762.74	292478.69	2.79	-0.35	-2.28	0.35	2.31	Bare-earth
7A32	675761.09	292483.69	3.17	675762.65	292485.65	3.37	-1.56	-1.96	-0.20	2.50	Bare-earth
7A32	675761.09	292483.69	3.17	675763.40	292483.55	3.28	-2.31	0.14	-0.11	2.32	Bare-earth

7A32	675761.09	292483.69	3.17	675759.10	292483.38	3.20	1.99	0.31	-0.03	2.01	Bare-earth
7A32	675761.09	292483.69	3.17	675760.55	292483.45	3.15	0.54	0.24	0.02	0.59	Bare-earth
7A32	675761.09	292483.69	3.17	675760.12	292480.66	3.00	0.97	3.03	0.17	3.18	Bare-earth
7A33	675755.27	292483.34	3.13	675753.36	292483.09	3.50	1.91	0.25	-0.37	1.93	Bare-earth
7A33	675755.27	292483.34	3.13	675754.80	292483.19	3.42	0.47	0.15	-0.29	0.50	Bare-earth
7A33	675755.27	292483.34	3.13	675757.66	292483.28	3.39	-2.39	0.06	-0.26	2.39	Bare-earth
7A33	675755.27	292483.34	3.13	675756.21	292483.25	3.38	-0.94	0.09	-0.25	0.94	Bare-earth
7A33	675755.27	292483.34	3.13	675754.38	292480.40	3.37	0.89	2.94	-0.24	3.08	Bare-earth
7A33	675755.27	292483.34	3.13	675754.08	292485.28	3.36	1.19	-1.94	-0.23	2.27	Bare-earth
7A33	675755.27	292483.34	3.13	675756.97	292485.42	2.95	-1.70	-2.08	0.18	2.68	Bare-earth
7A34	675754.32	292476.63	3.15	675755.59	292478.33	3.36	-1.27	-1.70	-0.21	2.13	Bare-earth
7A34	675754.32	292476.63	3.15	675752.70	292478.20	3.31	1.62	-1.57	-0.16	2.26	Bare-earth
7A34	675754.32	292476.63	3.15	675754.60	292475.51	3.12	-0.28	1.12	0.03	1.15	Bare-earth
7A34	675754.32	292476.63	3.15	675753.19	292475.44	3.07	1.13	1.19	0.08	1.64	Bare-earth
7A35	675750.02	292476.47	3.12	675752.70	292478.20	3.31	-2.68	-1.73	-0.19	3.19	Bare-earth
7A35	675750.02	292476.47	3.12	675748.89	292475.25	3.30	1.13	1.22	-0.18	1.67	Bare-earth
7A35	675750.02	292476.47	3.12	675749.85	292478.10	3.22	0.17	-1.63	-0.10	1.63	Bare-earth
7A35	675750.02	292476.47	3.12	675747.48	292475.18	3.14	2.54	1.29	-0.02	2.85	Bare-earth
7A35	675750.02	292476.47	3.12	675751.29	292478.17	3.09	-1.27	-1.70	0.03	2.12	Bare-earth
7A36	675749.39	292483.39	3.15	675751.91	292483.06	3.45	-2.53	0.33	-0.30	2.55	Bare-earth
7A36	675749.39	292483.39	3.15	675750.50	292482.99	3.39	-1.11	0.40	-0.24	1.18	Bare-earth
7A36	675749.39	292483.39	3.15	675751.22	292485.16	3.28	-1.83	-1.77	-0.13	2.55	Bare-earth
7A36	675749.39	292483.39	3.15	675746.20	292482.78	3.20	3.19	0.61	-0.05	3.24	Bare-earth
7A36	675749.39	292483.39	3.15	675749.81	292485.12	3.16	-0.43	-1.73	-0.01	1.78	Bare-earth
7A36	675749.39	292483.39	3.15	675747.65	292482.89	2.96	1.73	0.50	0.19	1.81	Bare-earth
7A37	675744.02	292483.10	3.16	675743.35	292482.66	3.31	0.67	0.44	-0.15	0.80	Bare-earth
7A37	675744.02	292483.10	3.16	675745.51	292484.93	3.29	-1.49	-1.83	-0.13	2.36	Bare-earth
7A37	675744.02	292483.10	3.16	675742.66	292484.83	3.24	1.36	-1.73	-0.08	2.20	Bare-earth
7A37	675744.02	292483.10	3.16	675744.79	292482.73	3.20	-0.77	0.37	-0.04	0.85	Bare-earth
7A37	675744.02	292483.10	3.16	675746.20	292482.78	3.20	-2.18	0.32	-0.04	2.20	Bare-earth
7A38	675742.94	292476.38	3.10	675740.30	292474.88	3.40	2.64	1.50	-0.30	3.03	Bare-earth
7A38	675742.94	292476.38	3.10	675741.25	292477.71	3.27	1.69	-1.33	-0.17	2.15	Bare-earth
7A38	675742.94	292476.38	3.10	675742.66	292477.77	3.26	0.28	-1.39	-0.16	1.42	Bare-earth
7A38	675742.94	292476.38	3.10	675745.58	292477.90	3.05	-2.64	-1.52	0.05	3.05	Bare-earth
7A38	675742.94	292476.38	3.10	675744.14	292477.84	2.97	-1.20	-1.46	0.13	1.89	Bare-earth
7A38	675742.94	292476.38	3.10	675743.22	292475.02	2.88	-0.28	1.36	0.22	1.39	Bare-earth
7A39	675736.92	292476.27	3.10	675738.88	292474.82	3.43	-1.96	1.45	-0.33	2.44	Bare-earth
7A39	675736.92	292476.27	3.10	675737.44	292474.75	3.41	-0.52	1.52	-0.31	1.60	Bare-earth
7A39	675736.92	292476.27	3.10	675736.00	292474.69	3.35	0.92	1.58	-0.25	1.82	Bare-earth
7A39	675736.92	292476.27	3.10	675738.39	292477.58	3.19	-1.47	-1.31	-0.09	1.97	Bare-earth
7A39	675736.92	292476.27	3.10	675735.54	292477.44	3.15	1.38	-1.17	-0.05	1.81	Bare-earth
7A40	675735.97	292482.73	3.03	675736.19	292482.33	3.42	-0.22	0.40	-0.39	0.45	Bare-earth
7A40	675735.97	292482.73	3.03	675735.47	292484.50	3.37	0.50	-1.77	-0.34	1.84	Bare-earth
7A40	675735.97	292482.73	3.03	675734.78	292482.30	3.34	1.19	0.43	-0.31	1.27	Bare-earth
7A40	675735.97	292482.73	3.03	675736.92	292484.57	3.27	-0.95	-1.84	-0.24	2.07	Bare-earth
7A40	675735.97	292482.73	3.03	675735.83	292479.64	3.25	0.14	3.09	-0.22	3.09	Bare-earth
7A40	675735.97	292482.73	3.03	675738.36	292484.63	3.11	-2.39	-1.90	-0.08	3.05	Bare-earth
7A40	675735.97	292482.73	3.03	675733.37	292482.24	3.08	2.60	0.49	-0.05	2.65	Bare-earth

7A40	675735.97	292482.73	3.03	675737.67	292482.43	3.01	-1.70	0.30	0.02	1.72	Bare-earth
8A1	673635.37	291838.51	3.41	673636.07	291836.65	3.43	-0.70	1.86	-0.02	1.99	Urban
8A2	673636.73	291847.00	3.41	673633.71	291847.91	3.50	3.02	-0.91	-0.09	3.16	Urban
8A2	673636.73	291847.00	3.41	673637.22	291846.69	3.48	-0.49	0.31	-0.07	0.57	Urban
8A2	673636.73	291847.00	3.41	673635.90	291845.64	3.46	0.83	1.36	-0.05	1.59	Urban
8A2	673636.73	291847.00	3.41	673638.82	291845.94	3.45	-2.09	1.06	-0.04	2.34	Urban
8A2	673636.73	291847.00	3.41	673634.26	291846.92	3.44	2.47	0.08	-0.03	2.48	Urban
8A2	673636.73	291847.00	3.41	673635.74	291846.83	3.40	0.99	0.17	0.01	1.01	Urban
8A2	673636.73	291847.00	3.41	673638.23	291847.58	3.23	-1.50	-0.58	0.18	1.61	Urban
8A2	673636.73	291847.00	3.41	673636.76	291847.71	3.22	-0.03	-0.71	0.19	0.71	Urban
8A3	673638.36	291854.92	3.39	673640.89	291853.03	3.40	-2.53	1.89	-0.01	3.16	Urban
8A3	673638.36	291854.92	3.39	673638.92	291857.82	3.36	-0.56	-2.90	0.03	2.95	Urban
8A3	673638.36	291854.92	3.39	673637.94	291853.26	3.35	0.42	1.66	0.04	1.71	Urban
8A3	673638.36	291854.92	3.39	673639.42	291853.16	3.33	-1.06	1.76	0.06	2.05	Urban
8A3	673638.36	291854.92	3.39	673636.46	291853.39	3.24	1.90	1.53	0.15	2.44	Urban
8A3	673638.36	291854.92	3.39	673639.22	291856.11	2.89	-0.86	-1.19	0.50	1.47	Urban
8A4	673639.42	291861.76	3.38	673639.74	291861.43	3.60	-0.32	0.33	-0.22	0.46	Urban
8A4	673639.42	291861.76	3.38	673642.27	291862.28	3.55	-2.85	-0.52	-0.17	2.90	Urban
8A4	673639.42	291861.76	3.38	673637.74	291861.82	3.47	1.68	-0.06	-0.09	1.68	Urban
8A4	673639.42	291861.76	3.38	673639.19	291858.80	3.44	0.23	2.96	-0.06	2.97	Urban
8A4	673639.42	291861.76	3.38	673640.43	291864.48	3.17	-1.01	-2.72	0.21	2.90	Urban
8A5	673640.81	291869.56	3.37	673637.58	291869.41	3.55	3.23	0.15	-0.18	3.23	Urban
8A5	673640.81	291869.56	3.37	673639.15	291867.11	3.52	1.66	2.45	-0.15	2.96	Urban
8A5	673640.81	291869.56	3.37	673640.04	291866.68	3.47	0.77	2.88	-0.10	2.98	Urban
8A5	673640.81	291869.56	3.37	673639.09	291869.31	3.45	1.72	0.25	-0.08	1.74	Urban
8A5	673640.81	291869.56	3.37	673643.55	291868.98	3.45	-2.74	0.58	-0.08	2.80	Urban
8A5	673640.81	291869.56	3.37	673640.63	291867.27	3.45	0.18	2.29	-0.08	2.30	Urban
8A5	673640.81	291869.56	3.37	673641.45	291866.81	3.35	-0.64	2.75	0.02	2.83	Urban
8A5	673640.81	291869.56	3.37	673643.06	291869.96	3.34	-2.25	-0.40	0.03	2.29	Urban
8A5	673640.81	291869.56	3.37	673638.60	291870.32	3.32	2.21	-0.76	0.05	2.34	Urban
8A5	673640.81	291869.56	3.37	673641.61	291870.09	3.30	-0.80	-0.53	0.07	0.96	Urban
8A5	673640.81	291869.56	3.37	673640.11	291870.19	3.29	0.70	-0.63	0.08	0.94	Urban
8A6	673642.91	291878.98	3.37	673640.17	291880.66	3.45	2.74	-1.68	-0.08	3.22	Urban
8A6	673642.91	291878.98	3.37	673642.04	291875.84	3.40	0.87	3.14	-0.03	3.26	Urban
8A6	673642.91	291878.98	3.37	673640.86	291877.18	3.33	2.05	1.80	0.04	2.73	Urban
8A6	673642.91	291878.98	3.37	673643.81	291877.48	3.30	-0.90	1.50	0.07	1.75	Urban
8A6	673642.91	291878.98	3.37	673643.19	291880.47	3.27	-0.28	-1.49	0.10	1.52	Urban
8A7	673646.60	291889.43	3.34	673644.96	291888.64	3.28	1.64	0.79	0.06	1.83	Urban
8A7	673646.60	291889.43	3.34	673644.27	291887.98	3.24	2.33	1.45	0.10	2.75	Urban
8A7	673646.60	291889.43	3.34	673646.57	291891.92	3.22	0.03	-2.49	0.12	2.49	Urban
8A7	673646.60	291889.43	3.34	673647.69	291887.00	3.11	-1.09	2.43	0.23	2.67	Urban
8A8	673649.34	291897.73	3.33	673650.64	291897.50	3.34	-1.30	0.23	-0.01	1.32	Urban
8A8	673649.34	291897.73	3.33	673652.15	291897.40	3.32	-2.81	0.33	0.01	2.83	Urban
8A8	673649.34	291897.73	3.33	673649.75	291898.98	3.26	-0.41	-1.25	0.07	1.31	Urban
8A9	673652.21	291906.55	3.31	673649.98	291904.46	3.57	2.23	2.09	-0.26	3.06	Urban
8A9	673652.21	291906.55	3.31	673651.49	291904.36	3.48	0.72	2.19	-0.17	2.31	Urban
8A9	673652.21	291906.55	3.31	673651.59	291903.34	3.46	0.62	3.21	-0.15	3.27	Urban
8A9	673652.21	291906.55	3.31	673652.97	291904.23	3.40	-0.76	2.32	-0.09	2.44	Urban

8A10	673654.79	291914.22	3.27	673652.87	291914.99	3.45	1.92	-0.77	-0.18	2.07	Urban
8A10	673654.79	291914.22	3.27	673654.05	291916.14	3.43	0.74	-1.92	-0.16	2.06	Urban
8A10	673654.79	291914.22	3.27	673652.58	291916.24	3.42	2.21	-2.02	-0.15	2.99	Urban
8A10	673654.79	291914.22	3.27	673657.99	291914.89	3.35	-3.20	-0.67	-0.08	3.27	Urban
8A10	673654.79	291914.22	3.27	673655.56	291916.01	3.29	-0.77	-1.79	-0.02	1.95	Urban
8A10	673654.79	291914.22	3.27	673654.32	291915.12	3.28	0.47	-0.90	0.00	1.02	Urban
8A10	673654.79	291914.22	3.27	673657.14	291915.91	3.01	-2.35	-1.69	0.27	2.90	Urban
8A11	673657.68	291923.20	3.29	673659.93	291921.72	3.23	-2.25	1.48	0.06	2.69	Urban
8A11	673657.68	291923.20	3.29	673659.14	291920.80	3.22	-1.46	2.40	0.07	2.81	Urban
8A11	673657.68	291923.20	3.29	673657.30	291925.72	3.19	0.38	-2.52	0.10	2.55	Urban
8A11	673657.68	291923.20	3.29	673656.94	291921.95	3.11	0.74	1.25	0.18	1.45	Urban
8A12	673661.46	291933.32	3.23	673662.32	291936.23	3.35	-0.86	-2.91	-0.12	3.04	Urban
8A12	673661.46	291933.32	3.23	673664.03	291932.35	3.34	-2.57	0.97	-0.11	2.75	Urban
8A12	673661.46	291933.32	3.23	673660.42	291931.03	3.21	1.04	2.29	0.02	2.51	Urban
8A12	673661.46	291933.32	3.23	673664.03	291933.34	3.18	-2.57	-0.02	0.05	2.57	Urban
8A12	673661.46	291933.32	3.23	673661.86	291931.20	3.15	-0.40	2.12	0.08	2.16	Urban
8A12	673661.46	291933.32	3.23	673661.04	291933.60	3.13	0.42	-0.28	0.10	0.50	Urban
8A12	673661.46	291933.32	3.23	673659.60	291932.71	3.12	1.86	0.61	0.11	1.95	Urban
8A13	673663.60	291938.89	3.21	673662.32	291936.23	3.35	1.28	2.66	-0.14	2.95	Urban
8A13	673663.60	291938.89	3.21	673665.28	291936.52	3.25	-1.68	2.37	-0.04	2.90	Urban
8A13	673663.60	291938.89	3.21	673660.42	291938.56	3.22	3.18	0.33	-0.01	3.20	Urban
8A13	673663.60	291938.89	3.21	673661.96	291938.46	3.07	1.64	0.43	0.14	1.70	Urban
8A13	673663.60	291938.89	3.21	673665.47	291939.11	3.05	-1.87	-0.22	0.16	1.88	Urban
8A13	673663.60	291938.89	3.21	673662.52	291939.34	2.89	1.08	-0.45	0.32	1.17	Urban
8A14	673665.20	291943.91	3.20	673665.84	291946.14	3.25	-0.64	-2.23	-0.05	2.32	Urban
8A14	673665.20	291943.91	3.20	673665.25	291945.09	3.19	-0.05	-1.18	0.01	1.18	Urban
8A14	673665.20	291943.91	3.20	673666.89	291941.44	3.18	-1.69	2.47	0.02	2.99	Urban
8A14	673665.20	291943.91	3.20	673666.79	291944.99	3.05	-1.59	-1.08	0.15	1.92	Urban
8A15	673667.18	291948.34	3.17	673665.84	291946.14	3.25	1.34	2.20	-0.08	2.57	Urban
8A15	673667.18	291948.34	3.17	673670.00	291949.65	3.24	-2.82	-1.31	-0.07	3.11	Urban
8A15	673667.18	291948.34	3.17	673666.56	291950.83	3.09	0.62	-2.49	0.08	2.57	Urban
8A16	673689.94	291954.36	3.26	673692.42	291954.11	3.83	-2.48	0.25	-0.57	2.50	Brush
8A16	673689.94	291954.36	3.26	673692.81	291953.55	3.81	-2.87	0.81	-0.55	2.99	Brush
8A16	673689.94	291954.36	3.26	673690.88	291953.95	3.74	-0.94	0.41	-0.48	1.03	Brush
8A16	673689.94	291954.36	3.26	673689.79	291953.23	3.52	0.15	1.13	-0.26	1.14	Brush
8A16	673689.94	291954.36	3.26	673687.46	291955.13	3.25	2.48	-0.77	0.01	2.59	Brush
8A16	673689.94	291954.36	3.26	673687.53	291954.28	3.15	2.41	0.08	0.11	2.41	Brush
8A17	673698.03	291958.35	3.17	673699.61	291959.63	3.38	-1.58	-1.28	-0.21	2.04	Brush
8A17	673698.03	291958.35	3.17	673696.23	291958.61	3.29	1.80	-0.26	-0.12	1.82	Brush
8A18	673704.03	291962.25	3.24	673704.37	291959.59	3.62	-0.34	2.66	-0.38	2.68	Brush
8A19	673711.60	291967.00	3.17	673709.75	291964.52	3.45	1.85	2.48	-0.28	3.09	Brush
8A19	673711.60	291967.00	3.17	673711.78	291970.10	3.26	-0.18	-3.10	-0.09	3.10	Brush
8A19	673711.60	291967.00	3.17	673713.36	291964.84	3.19	-1.76	2.16	-0.02	2.79	Brush
8A19	673711.60	291967.00	3.17	673711.85	291964.94	3.19	-0.25	2.06	-0.02	2.08	Brush
8A20	673717.81	291971.37	3.12	673716.90	291969.50	3.31	0.91	1.87	-0.19	2.08	Brush
8A20	673717.81	291971.37	3.12	673716.18	291970.55	3.31	1.63	0.82	-0.19	1.82	Brush
8A20	673717.81	291971.37	3.12	673720.48	291970.32	3.13	-2.67	1.05	-0.01	2.87	Brush
8A21	673723.83	291975.59	3.25	673722.12	291975.67	3.27	1.71	-0.08	-0.02	1.71	Brush

8A21	673723.83	291975.59	3.25	673723.66	291975.58	3.22	0.17	0.01	0.03	0.17	Brush
8A21	673723.83	291975.59	3.25	673725.17	291975.44	3.20	-1.34	0.15	0.05	1.35	Brush
8A21	673723.83	291975.59	3.25	673720.64	291975.81	3.14	3.19	-0.22	0.11	3.20	Brush
8A22	673729.97	291980.39	3.33	673728.00	291980.89	3.49	1.97	-0.50	-0.16	2.03	Brush
8A22	673729.97	291980.39	3.33	673729.60	291980.78	3.40	0.37	-0.39	-0.07	0.54	Brush
8A22	673729.97	291980.39	3.33	673731.80	291980.66	3.35	-1.83	-0.27	-0.02	1.85	Brush
8A23	673736.08	291985.96	3.32	673735.09	291985.49	3.45	0.99	0.47	-0.13	1.09	Brush
8A23	673736.08	291985.96	3.32	673738.50	291985.91	3.44	-2.42	0.05	-0.12	2.42	Brush
8A23	673736.08	291985.96	3.32	673736.99	291986.05	3.38	-0.91	-0.09	-0.06	0.91	Brush
8A23	673736.08	291985.96	3.32	673733.97	291986.28	3.34	2.11	-0.33	-0.02	2.14	Brush
8A24	673743.49	291990.48	3.23	673742.90	291991.26	3.33	0.59	-0.78	-0.10	0.98	Brush
8A24	673743.49	291990.48	3.23	673741.42	291991.39	3.22	2.07	-0.91	0.01	2.26	Brush
8A25	673748.11	291994.38	3.22	673748.77	291991.43	3.43	-0.66	2.95	-0.21	3.02	Brush
8A25	673748.11	291994.38	3.22	673750.54	291995.99	3.36	-2.43	-1.61	-0.14	2.92	Brush
8A26	673753.18	291998.32	3.23	673751.04	292000.58	3.47	2.14	-2.26	-0.25	3.11	Brush
8A26	673753.18	291998.32	3.23	673751.89	291996.32	3.40	1.29	2.00	-0.17	2.38	Brush
8A26	673753.18	291998.32	3.23	673753.99	291995.50	3.24	-0.81	2.82	-0.02	2.94	Brush
8A27	673758.86	292002.61	3.15	673761.34	292001.63	3.45	-2.48	0.98	-0.30	2.66	Brush
8A27	673758.86	292002.61	3.15	673760.55	292001.24	3.37	-1.69	1.37	-0.22	2.17	Brush
8A27	673758.86	292002.61	3.15	673759.08	292001.37	3.20	-0.22	1.24	-0.05	1.26	Brush
8A28	673765.25	292008.01	3.10	673765.74	292011.09	3.36	-0.49	-3.08	-0.26	3.12	Brush
8A28	673765.25	292008.01	3.10	673766.49	292005.90	3.28	-1.24	2.11	-0.18	2.45	Brush
8A28	673765.25	292008.01	3.10	673766.66	292006.56	3.27	-1.41	1.45	-0.17	2.02	Brush
8A28	673765.25	292008.01	3.10	673765.28	292006.46	3.16	-0.03	1.55	-0.06	1.55	Brush
8A28	673765.25	292008.01	3.10	673763.64	292006.82	2.99	1.61	1.19	0.11	2.00	Brush
8A29	673770.60	292013.59	3.11	673768.86	292011.38	3.46	1.74	2.21	-0.35	2.81	Brush
8A29	673770.60	292013.59	3.11	673769.45	292011.97	3.46	1.15	1.62	-0.35	1.99	Brush
8A29	673770.60	292013.59	3.11	673770.14	292011.51	3.36	0.46	2.08	-0.25	2.13	Brush
8A29	673770.60	292013.59	3.11	673768.82	292015.85	3.29	1.78	-2.26	-0.18	2.87	Brush
8A29	673770.60	292013.59	3.11	673771.06	292011.84	3.25	-0.46	1.75	-0.14	1.81	Brush
8A30	673775.77	292018.48	3.01	673777.78	292016.44	3.45	-2.01	2.04	-0.44	2.87	Brush
8A30	673775.77	292018.48	3.01	673776.11	292016.63	3.41	-0.34	1.85	-0.40	1.89	Brush
8A30	673775.77	292018.48	3.01	673775.49	292017.26	3.39	0.28	1.22	-0.38	1.26	Brush
8A30	673775.77	292018.48	3.01	673777.03	292017.16	3.34	-1.26	1.33	-0.33	1.83	Brush
8A30	673775.77	292018.48	3.01	673774.73	292016.70	3.30	1.04	1.78	-0.29	2.07	Brush
8A30	673775.77	292018.48	3.01	673778.57	292017.03	3.25	-2.80	1.45	-0.24	3.15	Brush
8A30	673775.77	292018.48	3.01	673774.08	292017.39	3.15	1.69	1.09	-0.14	2.02	Brush
8A31	673585.28	291975.91	3.36	673587.46	291974.59	3.59	-2.18	1.32	-0.23	2.54	Bare-earth
8A31	673585.28	291975.91	3.36	673587.10	291974.66	3.56	-1.82	1.25	-0.20	2.20	Bare-earth
8A31	673585.28	291975.91	3.36	673585.99	291974.72	3.55	-0.71	1.19	-0.19	1.38	Bare-earth
8A31	673585.28	291975.91	3.36	673584.61	291974.85	3.12	0.67	1.06	0.24	1.25	Bare-earth
8A32	673585.67	291969.17	3.40	673588.28	291970.59	3.48	-2.61	-1.42	-0.08	2.97	Bare-earth
8A32	673585.67	291969.17	3.40	673585.82	291967.70	3.45	-0.15	1.47	-0.05	1.48	Bare-earth
8A32	673585.67	291969.17	3.40	673582.90	291967.93	3.35	2.77	1.24	0.05	3.04	Bare-earth
8A32	673585.67	291969.17	3.40	673586.18	291968.78	3.26	-0.51	0.39	0.14	0.64	Bare-earth
8A33	673586.10	291960.34	3.44	673584.25	291960.68	3.62	1.85	-0.34	-0.18	1.88	Bare-earth
8A33	673586.10	291960.34	3.44	673585.76	291960.84	3.60	0.34	-0.50	-0.16	0.60	Bare-earth
8A33	673586.10	291960.34	3.44	673585.95	291957.07	3.46	0.15	3.27	-0.02	3.27	Bare-earth

8A33	673586.10	291960.34	3.44	673587.27	291962.91	3.44	-1.17	-2.57	0.00	2.82	Bare-earth
8A33	673586.10	291960.34	3.44	673585.82	291963.03	3.38	0.28	-2.69	0.06	2.70	Bare-earth
8A33	673586.10	291960.34	3.44	673587.53	291961.76	3.36	-1.43	-1.42	0.08	2.02	Bare-earth
8A34	673586.59	291955.25	3.46	673583.49	291956.11	3.62	3.10	-0.86	-0.16	3.22	Bare-earth
8A34	673586.59	291955.25	3.46	673587.46	291956.94	3.46	-0.87	-1.69	0.00	1.90	Bare-earth
8A34	673586.59	291955.25	3.46	673585.95	291957.07	3.46	0.64	-1.82	0.00	1.93	Bare-earth
8A35	673587.13	291948.45	3.48	673588.84	291947.45	3.75	-1.71	0.99	-0.27	1.98	Bare-earth
8A35	673587.13	291948.45	3.48	673587.10	291949.98	3.70	0.03	-1.53	-0.22	1.54	Bare-earth
8A35	673587.13	291948.45	3.48	673586.12	291951.22	3.70	1.01	-2.77	-0.22	2.95	Bare-earth
8A35	673587.13	291948.45	3.48	673588.58	291949.85	3.69	-1.45	-1.40	-0.21	2.02	Bare-earth
8A35	673587.13	291948.45	3.48	673587.33	291947.28	3.67	-0.20	1.16	-0.19	1.18	Bare-earth
8A35	673587.13	291948.45	3.48	673585.76	291947.12	3.63	1.37	1.33	-0.15	1.90	Bare-earth
8A36	673587.54	291940.56	3.49	673587.89	291938.03	3.86	-0.35	2.53	-0.37	2.55	Bare-earth
8A36	673587.54	291940.56	3.49	673587.86	291938.46	3.86	-0.32	2.10	-0.37	2.12	Bare-earth
8A36	673587.54	291940.56	3.49	673586.35	291938.28	3.82	1.19	2.28	-0.33	2.57	Bare-earth
8A36	673587.54	291940.56	3.49	673586.90	291942.53	3.80	0.64	-1.97	-0.31	2.07	Bare-earth
8A36	673587.54	291940.56	3.49	673588.41	291942.69	3.74	-0.87	-2.13	-0.25	2.30	Bare-earth
8A36	673587.54	291940.56	3.49	673589.40	291937.93	3.71	-1.86	2.63	-0.22	3.22	Bare-earth
8A36	673587.54	291940.56	3.49	673589.20	291943.12	3.66	-1.66	-2.56	-0.17	3.05	Bare-earth
8A36	673587.54	291940.56	3.49	673587.96	291939.25	3.64	-0.42	1.31	-0.15	1.38	Bare-earth
8A36	673587.54	291940.56	3.49	673589.50	291939.15	3.32	-1.96	1.41	0.17	2.42	Bare-earth
8A37	673587.87	291932.44	3.51	673586.31	291933.47	3.67	1.56	-1.03	-0.16	1.87	Bare-earth
8A37	673587.87	291932.44	3.51	673585.10	291933.44	3.61	2.77	-1.00	-0.10	2.95	Bare-earth
8A37	673587.87	291932.44	3.51	673587.76	291933.60	3.57	0.11	-1.16	-0.06	1.17	Bare-earth
8A37	673587.87	291932.44	3.51	673589.27	291933.76	3.56	-1.40	-1.32	-0.05	1.93	Bare-earth
8A37	673587.87	291932.44	3.51	673585.53	291932.22	3.54	2.34	0.22	-0.03	2.35	Bare-earth
8A37	673587.87	291932.44	3.51	673588.05	291933.24	3.41	-0.18	-0.80	0.10	0.82	Bare-earth
8A37	673587.87	291932.44	3.51	673591.04	291933.01	3.31	-3.17	-0.57	0.20	3.22	Bare-earth
8A38	673588.50	291923.45	3.52	673587.96	291923.92	3.82	0.54	-0.47	-0.30	0.72	Bare-earth
8A38	673588.50	291923.45	3.52	673591.73	291923.92	3.82	-3.23	-0.47	-0.30	3.26	Bare-earth
8A38	673588.50	291923.45	3.52	673588.41	291921.23	3.61	0.09	2.22	-0.09	2.22	Bare-earth
8A38	673588.50	291923.45	3.52	673589.92	291921.13	3.56	-1.42	2.32	-0.04	2.72	Bare-earth
8A39	673589.06	291915.98	3.56	673591.63	291915.02	3.77	-2.57	0.96	-0.21	2.75	Bare-earth
8A39	673589.06	291915.98	3.56	673590.51	291914.11	3.74	-1.45	1.87	-0.18	2.37	Bare-earth
8A39	673589.06	291915.98	3.56	673587.10	291914.17	3.63	1.96	1.81	-0.07	2.67	Bare-earth
8A39	673589.06	291915.98	3.56	673588.91	291913.48	3.62	0.15	2.50	-0.06	2.51	Bare-earth
8A39	673589.06	291915.98	3.56	673590.19	291915.12	3.60	-1.13	0.86	-0.04	1.43	Bare-earth
8A39	673589.06	291915.98	3.56	673587.30	291915.39	3.33	1.76	0.59	0.23	1.85	Bare-earth
8A40	673589.64	291906.36	3.53	673586.94	291908.17	3.67	2.70	-1.81	-0.14	3.25	Bare-earth
8A40	673589.64	291906.36	3.53	673589.79	291908.43	3.37	-0.15	-2.07	0.16	2.07	Bare-earth
8A41	673580.24	291905.76	3.56	673580.08	291904.00	3.80	0.16	1.76	-0.24	1.77	Bare-earth
8A41	673580.24	291905.76	3.56	673581.65	291908.59	3.76	-1.41	-2.83	-0.20	3.16	Bare-earth
8A41	673580.24	291905.76	3.56	673580.18	291908.69	3.72	0.06	-2.93	-0.16	2.93	Bare-earth
8A41	673580.24	291905.76	3.56	673579.36	291907.38	3.70	0.88	-1.62	-0.14	1.85	Bare-earth
8A41	673580.24	291905.76	3.56	673580.77	291902.72	3.64	-0.53	3.04	-0.08	3.08	Bare-earth
8A41	673580.24	291905.76	3.56	673578.63	291904.10	3.64	1.61	1.66	-0.08	2.31	Bare-earth
8A42	673578.03	291912.81	3.50	673578.47	291910.00	3.85	-0.44	2.81	-0.35	2.85	Bare-earth
8A42	673578.03	291912.81	3.50	673576.93	291912.66	3.68	1.10	0.15	-0.18	1.11	Bare-earth

8A42	673578.03	291912.81	3.50	673578.31	291914.86	3.39	-0.28	-2.05	0.11	2.07	Bare-earth
8A43	673576.17	291918.50	3.50	673577.81	291917.49	3.69	-1.64	1.01	-0.19	1.92	Bare-earth
8A43	673576.17	291918.50	3.50	673576.30	291917.32	3.67	-0.13	1.18	-0.17	1.18	Bare-earth
8A43	673576.17	291918.50	3.50	673573.91	291916.40	3.60	2.26	2.10	-0.10	3.08	Bare-earth
8A43	673576.17	291918.50	3.50	673575.39	291916.30	3.54	0.78	2.20	-0.04	2.33	Bare-earth
8A44	673573.93	291924.61	3.46	673575.09	291922.28	3.62	-1.16	2.33	-0.16	2.60	Bare-earth
8A44	673573.93	291924.61	3.46	673572.14	291922.51	3.54	1.79	2.10	-0.08	2.75	Bare-earth
8A44	673573.93	291924.61	3.46	673573.61	291922.41	3.48	0.32	2.20	-0.02	2.22	Bare-earth
8A45	673571.67	291931.46	3.46	673572.63	291931.63	3.66	-0.96	-0.17	-0.21	0.98	Bare-earth
8A45	673571.67	291931.46	3.46	673570.72	291933.34	3.56	0.95	-1.88	-0.10	2.10	Bare-earth
8A45	673571.67	291931.46	3.46	673570.59	291928.68	3.47	1.08	2.78	-0.02	2.98	Bare-earth
8A45	673571.67	291931.46	3.46	673569.58	291931.30	3.48	2.09	0.16	-0.02	2.09	Bare-earth
8A45	673571.67	291931.46	3.46	673571.87	291934.49	3.43	-0.20	-3.03	0.02	3.04	Bare-earth
8A46	673569.29	291937.48	3.49	673568.69	291939.48	3.82	0.60	-2.00	-0.33	2.09	Bare-earth
8A46	673569.29	291937.48	3.49	673567.21	291939.57	3.74	2.08	-2.09	-0.25	2.95	Bare-earth
8A46	673569.29	291937.48	3.49	673570.20	291940.62	3.71	-0.91	-3.14	-0.22	3.27	Bare-earth
8A46	673569.29	291937.48	3.49	673568.53	291936.03	3.70	0.76	1.45	-0.21	1.63	Bare-earth
8A46	673569.29	291937.48	3.49	673571.25	291936.65	3.68	-1.96	0.83	-0.19	2.13	Bare-earth
8A46	673569.29	291937.48	3.49	673570.00	291936.16	3.66	-0.71	1.32	-0.17	1.50	Bare-earth
8A46	673569.29	291937.48	3.49	673567.38	291934.81	3.59	1.91	2.67	-0.10	3.28	Bare-earth
8A46	673569.29	291937.48	3.49	673570.36	291934.58	3.58	-1.07	2.90	-0.09	3.09	Bare-earth
8A46	673569.29	291937.48	3.49	673571.71	291939.25	3.53	-2.42	-1.77	-0.04	3.00	Bare-earth
8A47	673567.33	291942.72	3.53	673567.21	291939.57	3.74	0.12	3.15	-0.21	3.16	Bare-earth
8A47	673567.33	291942.72	3.53	673568.16	291940.89	3.71	-0.83	1.83	-0.18	2.01	Bare-earth
8A47	673567.33	291942.72	3.53	673565.77	291940.98	3.63	1.56	1.74	-0.10	2.34	Bare-earth
8A47	673567.33	291942.72	3.53	673569.22	291945.38	3.48	-1.89	-2.66	0.05	3.26	Bare-earth
8A48	673565.37	291948.17	3.54	673564.88	291944.96	3.74	0.49	3.21	-0.20	3.25	Bare-earth
8A48	673565.37	291948.17	3.54	673565.28	291949.49	3.71	0.09	-1.32	-0.17	1.32	Bare-earth
8A48	673565.37	291948.17	3.54	673567.05	291946.73	3.66	-1.68	1.44	-0.12	2.21	Bare-earth
8A49	673562.93	291953.43	3.54	673564.92	291951.62	3.95	-1.99	1.81	-0.41	2.69	Bare-earth
8A49	673562.93	291953.43	3.54	673563.87	291952.93	3.95	-0.94	0.50	-0.41	1.06	Bare-earth
8A49	673562.93	291953.43	3.54	673564.29	291954.44	3.87	-1.36	-1.01	-0.33	1.69	Bare-earth
8A49	673562.93	291953.43	3.54	673562.82	291954.28	3.87	0.11	-0.85	-0.33	0.86	Bare-earth
8A49	673562.93	291953.43	3.54	673561.99	291951.85	3.84	0.94	1.58	-0.30	1.84	Bare-earth
8A49	673562.93	291953.43	3.54	673559.80	291953.98	3.83	3.13	-0.55	-0.29	3.18	Bare-earth
8A49	673562.93	291953.43	3.54	673560.94	291953.19	3.82	1.99	0.24	-0.28	2.01	Bare-earth
8A49	673562.93	291953.43	3.54	673561.80	291953.85	3.76	1.13	-0.42	-0.22	1.21	Bare-earth
8A50	673560.55	291959.17	3.48	673557.86	291957.95	3.77	2.69	1.22	-0.29	2.95	Bare-earth
8A50	673560.55	291959.17	3.48	673561.37	291957.78	3.76	-0.82	1.39	-0.28	1.61	Bare-earth
8A50	673560.55	291959.17	3.48	673560.81	291959.00	3.73	-0.26	0.17	-0.25	0.31	Bare-earth
8A50	673560.55	291959.17	3.48	673559.34	291959.13	3.70	1.21	0.04	-0.22	1.21	Bare-earth
8A50	673560.55	291959.17	3.48	673563.80	291958.77	3.67	-3.25	0.40	-0.19	3.27	Bare-earth
8A50	673560.55	291959.17	3.48	673562.91	291957.69	3.50	-2.36	1.48	-0.02	2.78	Bare-earth