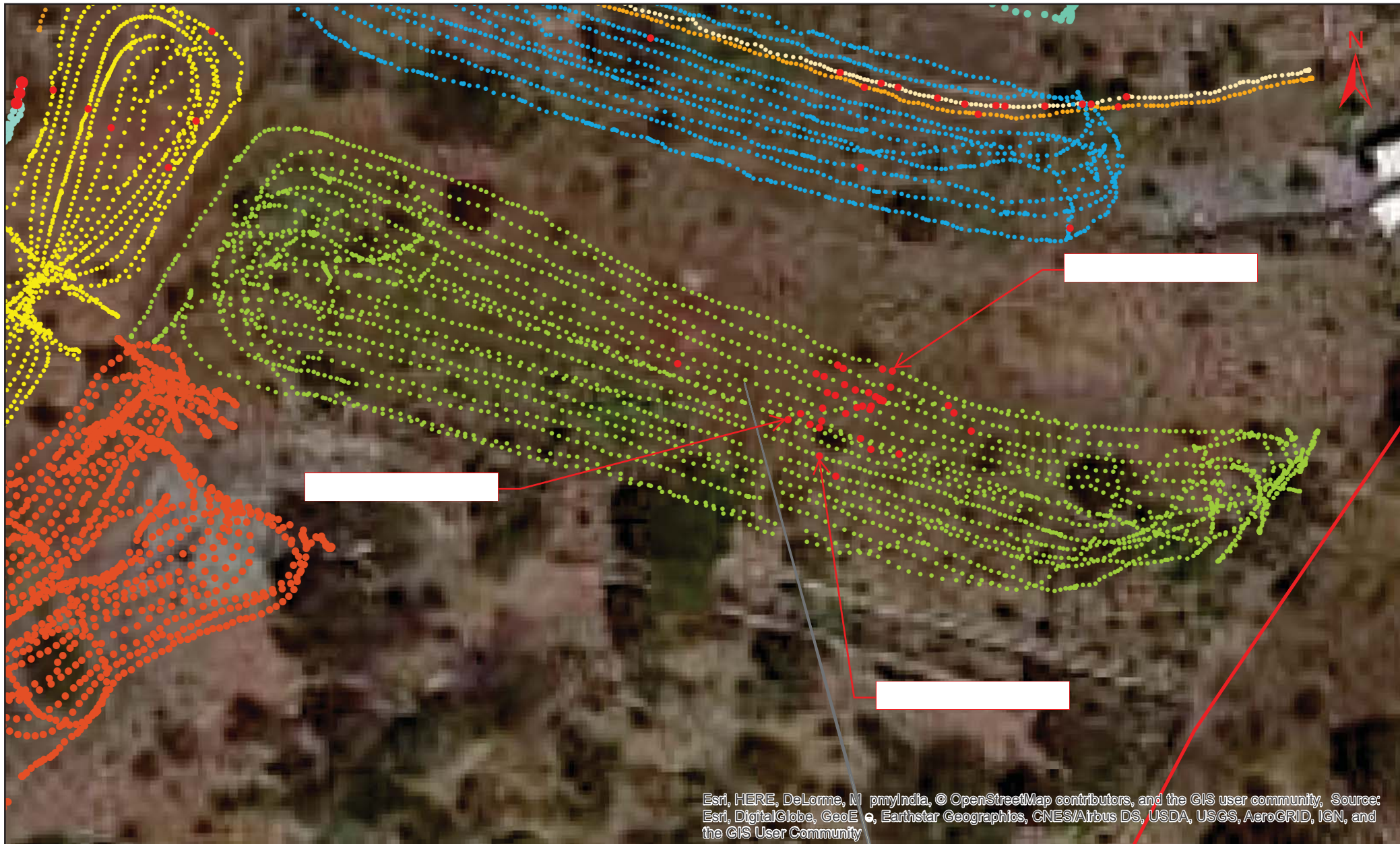


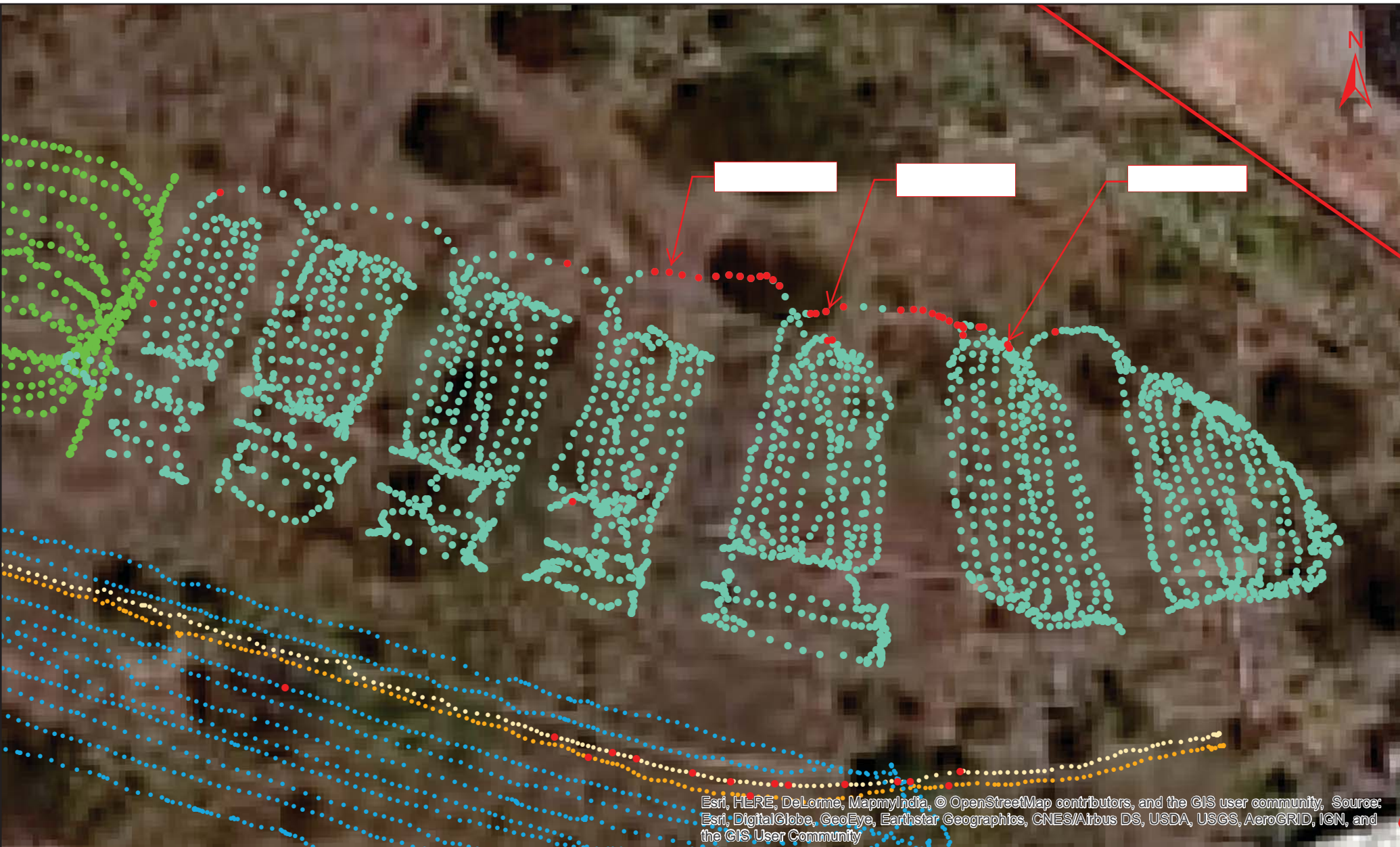


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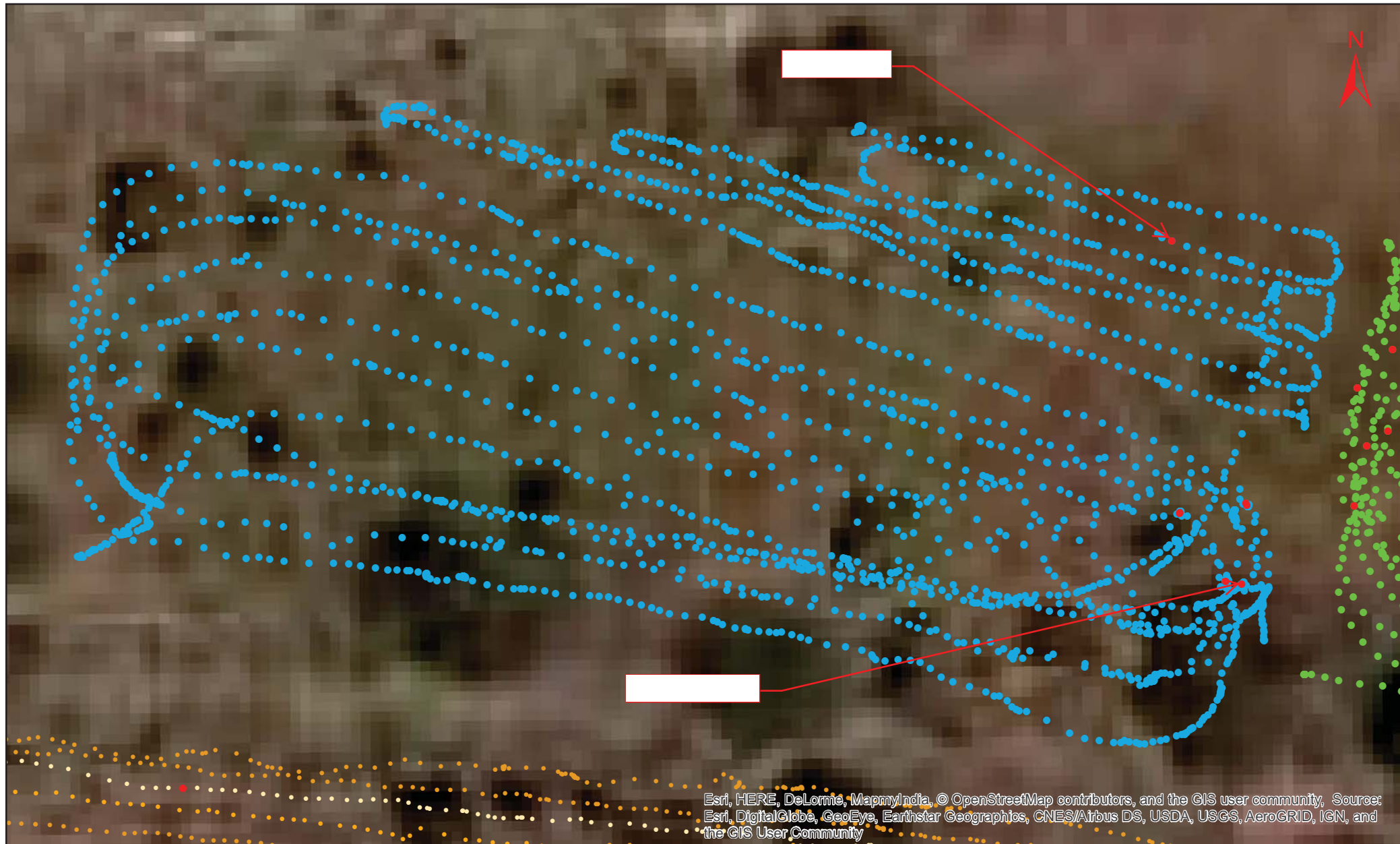
All data points ●
Anomalous data points ●



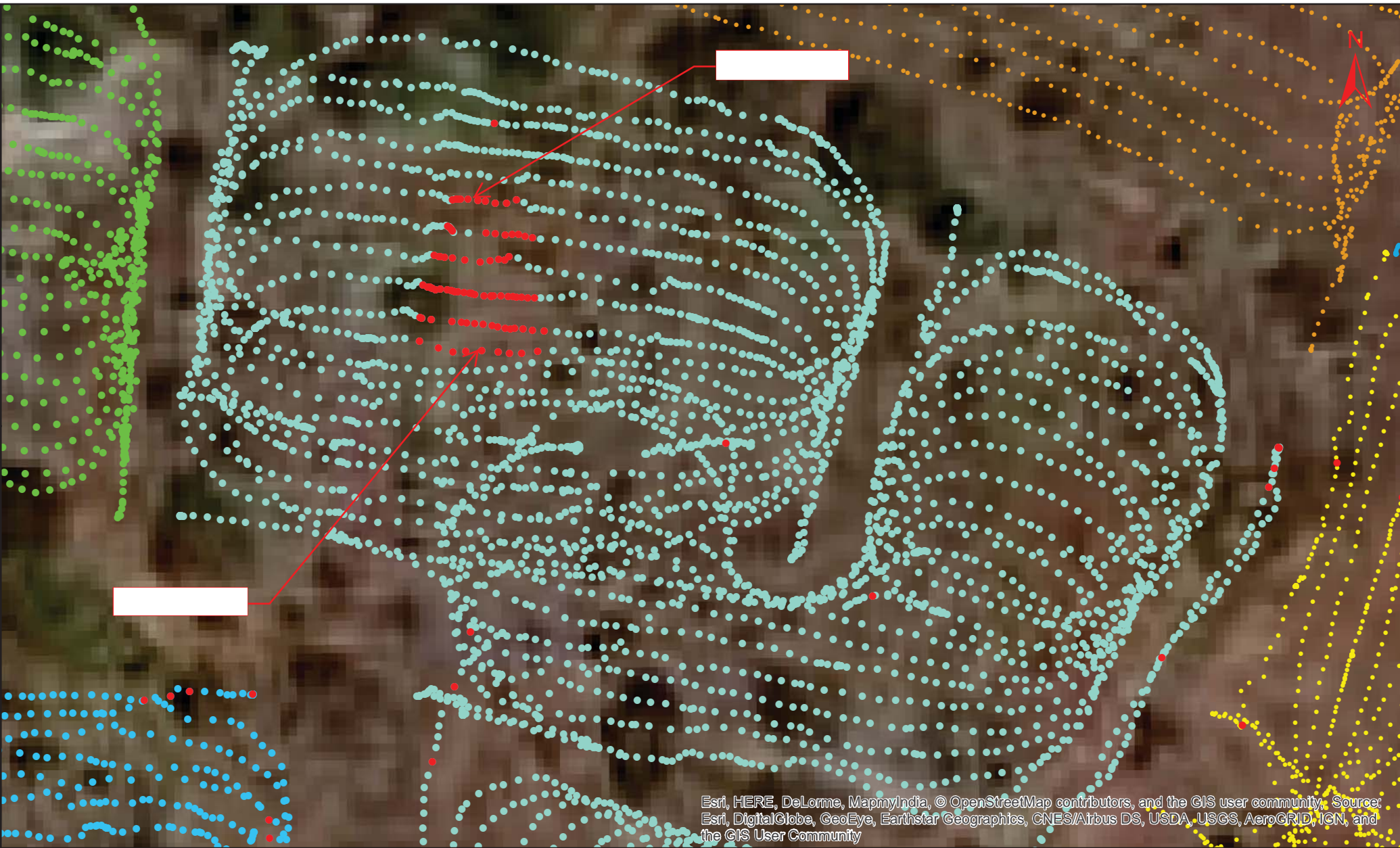
Front Lot (FL)



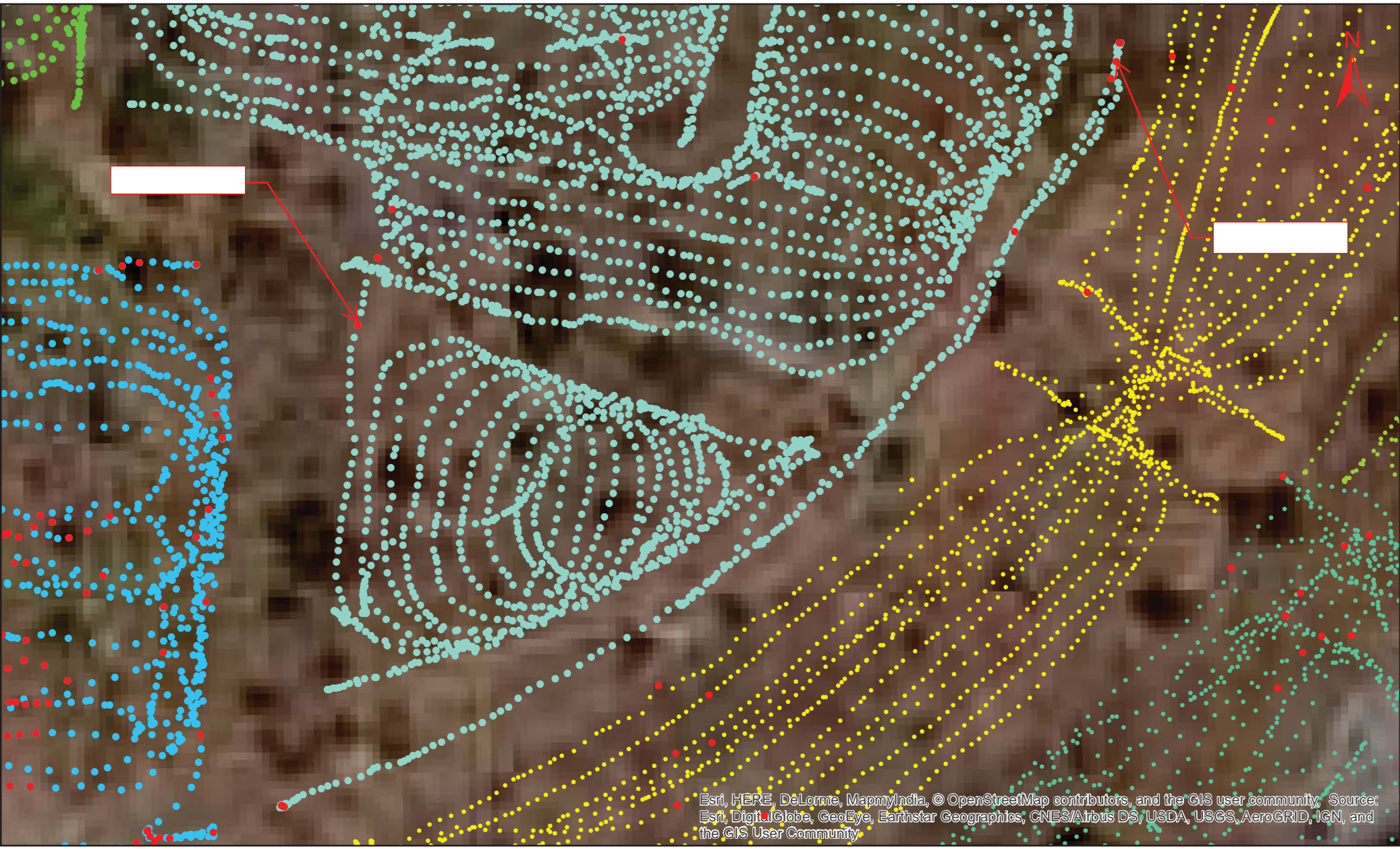




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Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

Lot 5
Anomalous Area
Inspector 1K shots

Lot 5

Lot 5 RS-1

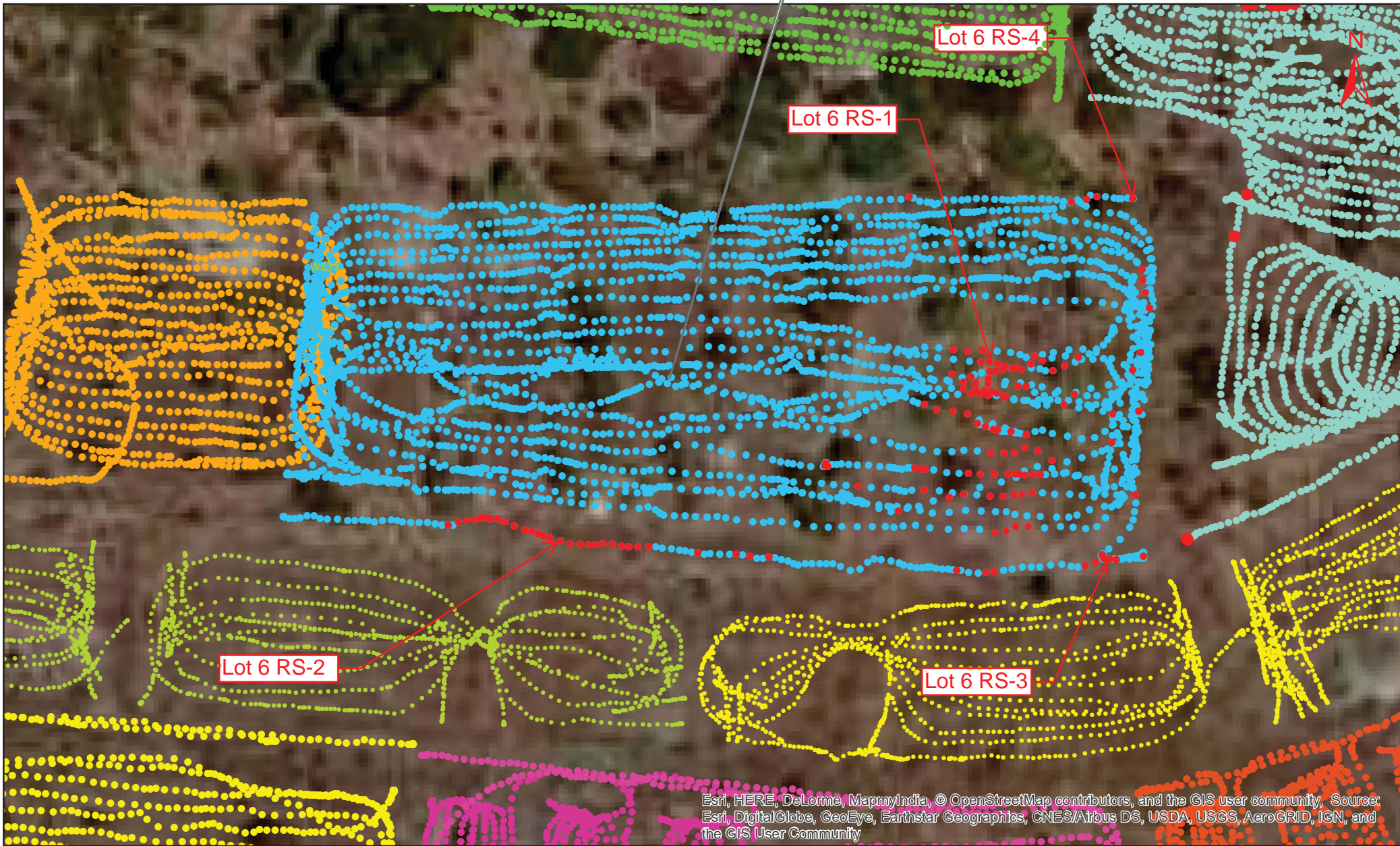
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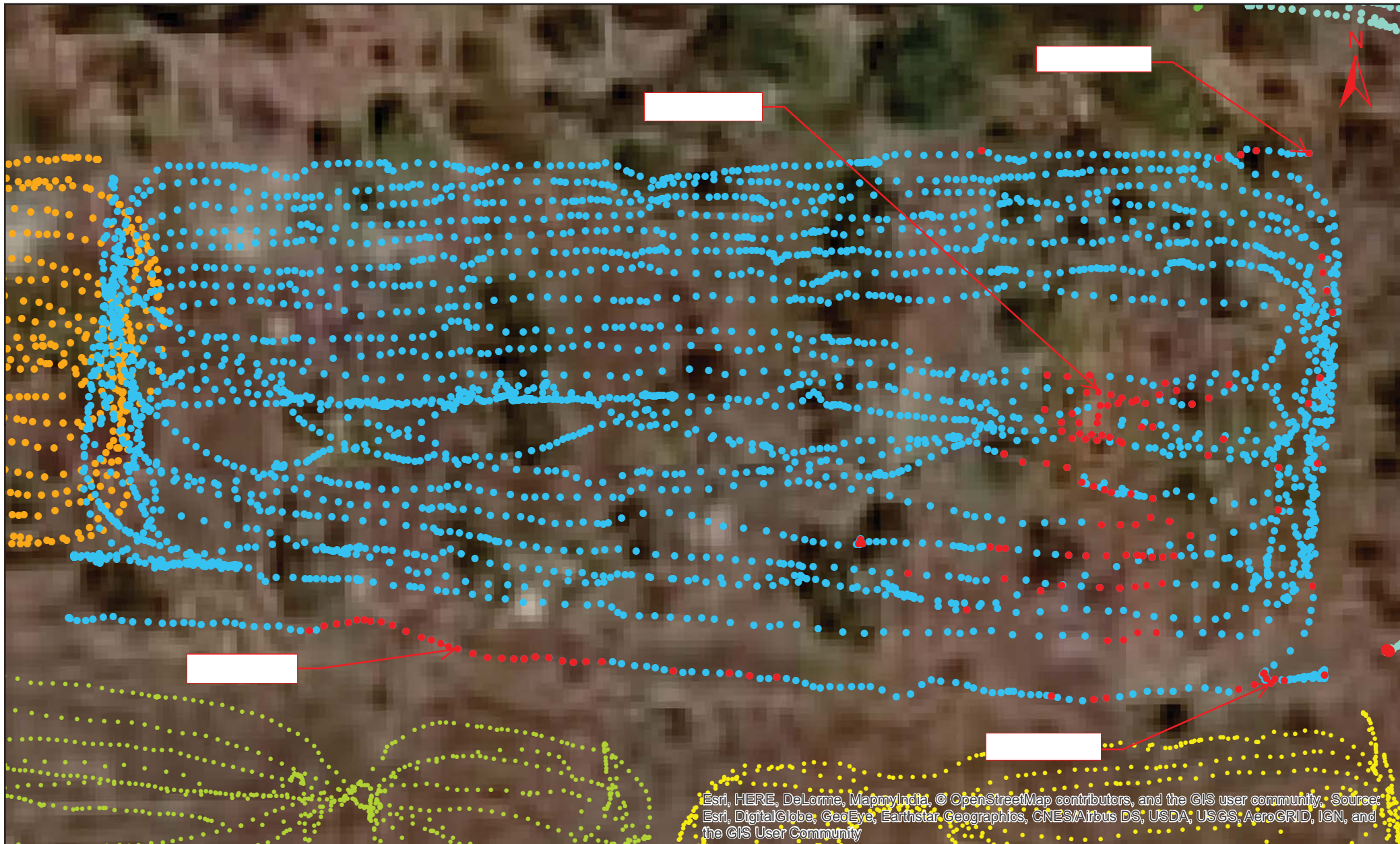
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Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

Lot 6
Anomalous Area
Inspector 1K shots



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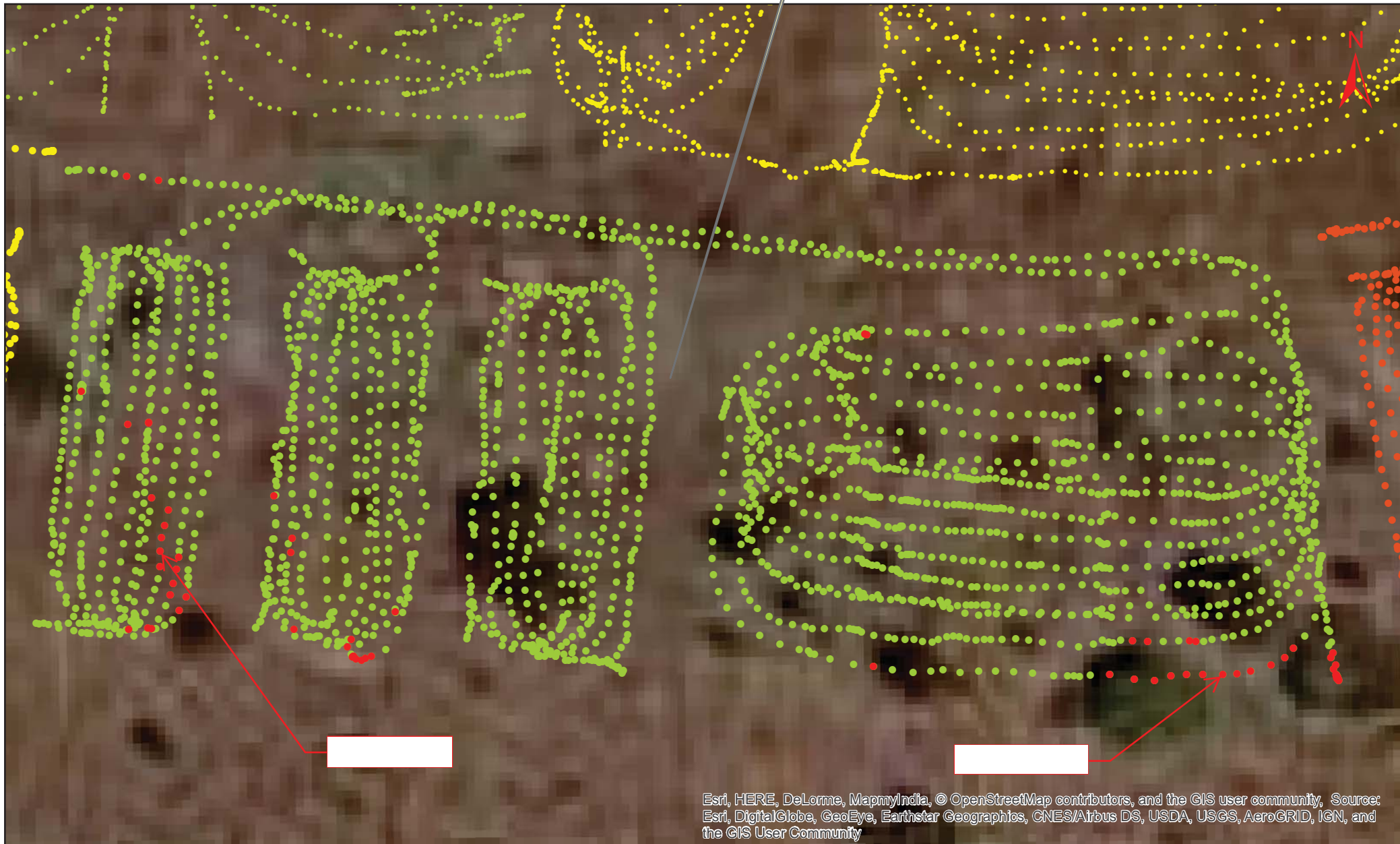
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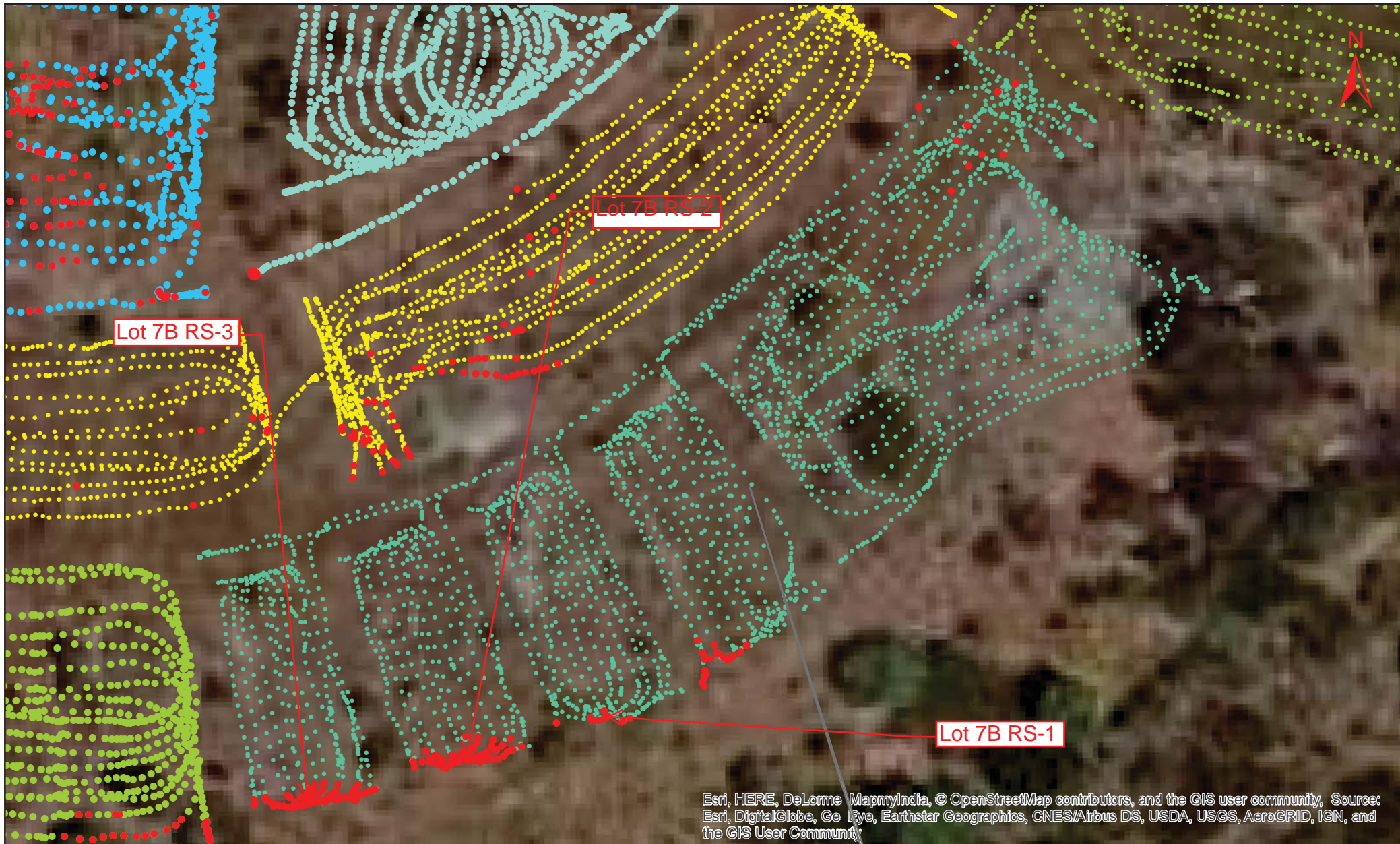
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Lot 7A

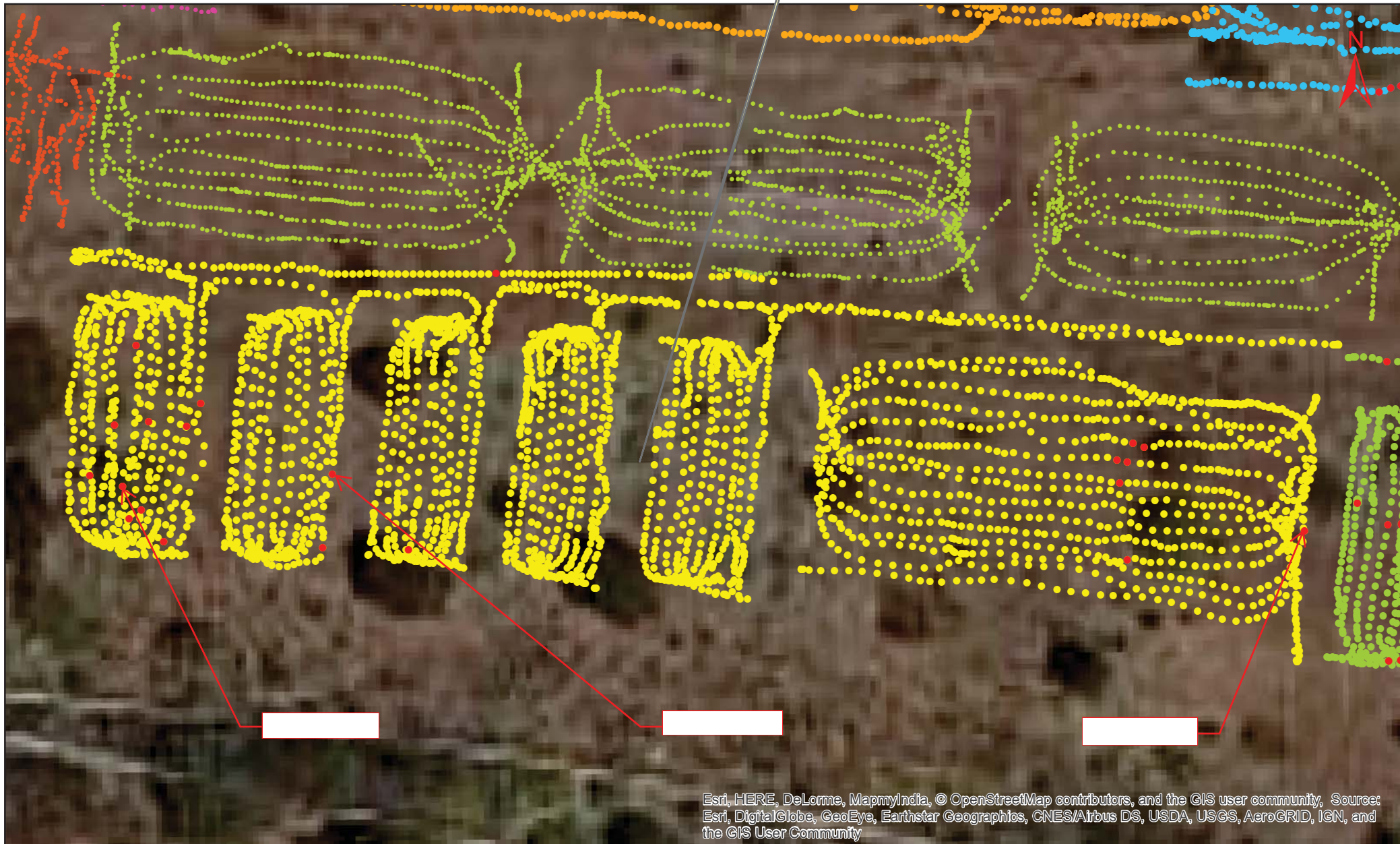
Lot 7A



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Lot 8



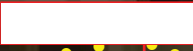
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Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

Lot 9
Anomalous Area
Inspector 1K shots



Lot 10



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Lot 11A

[Redacted]

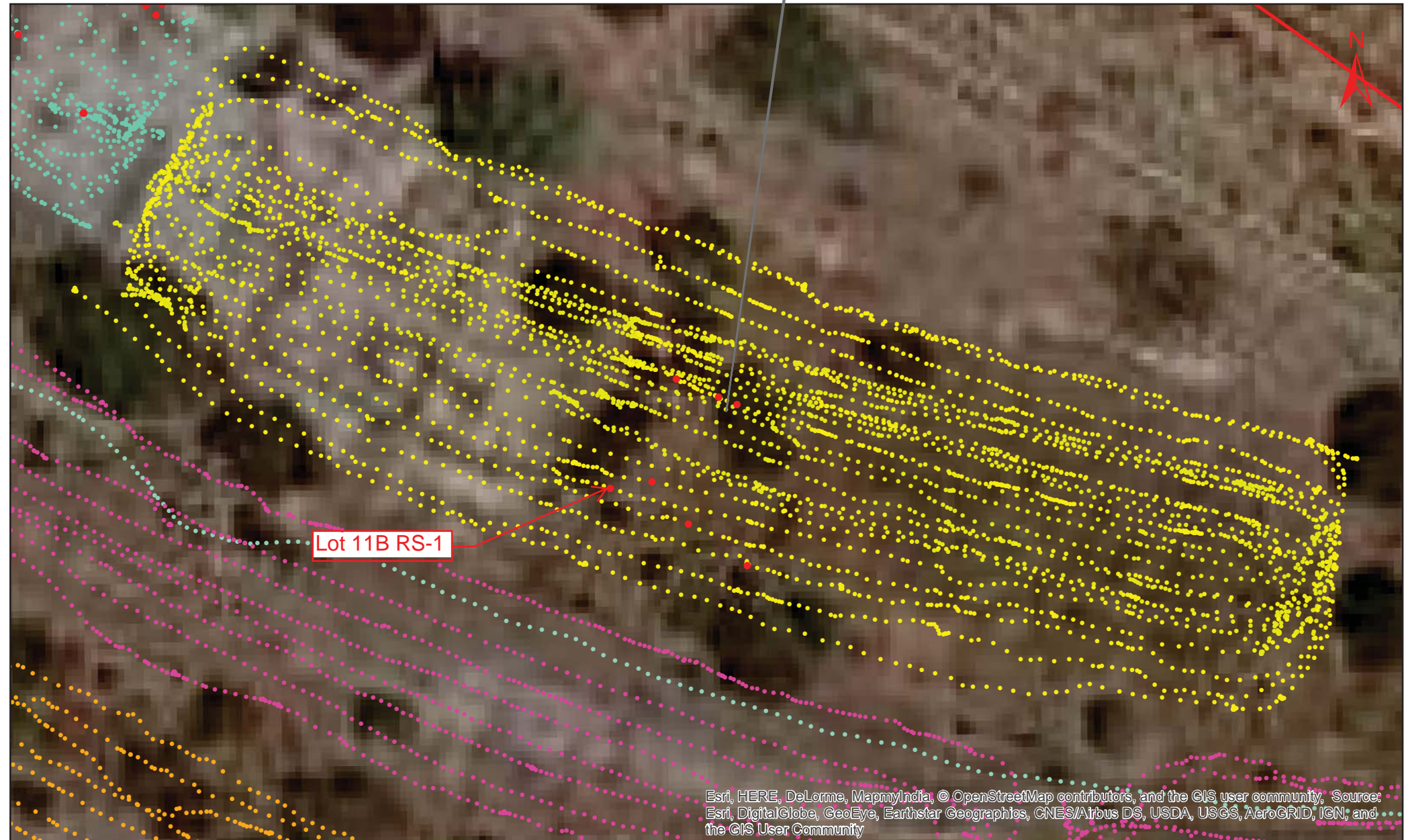


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Lot 11B

Lot 11B RS-1

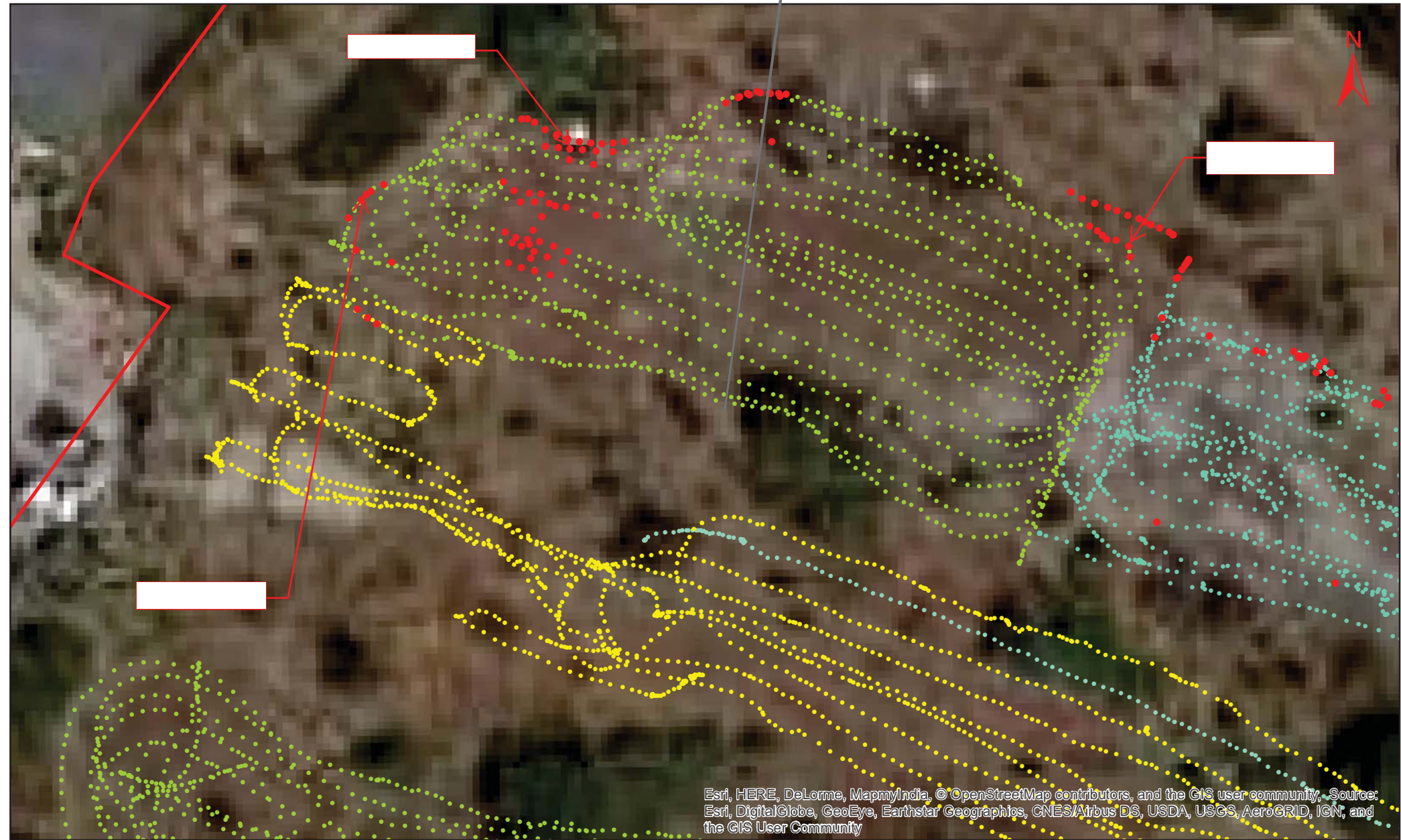
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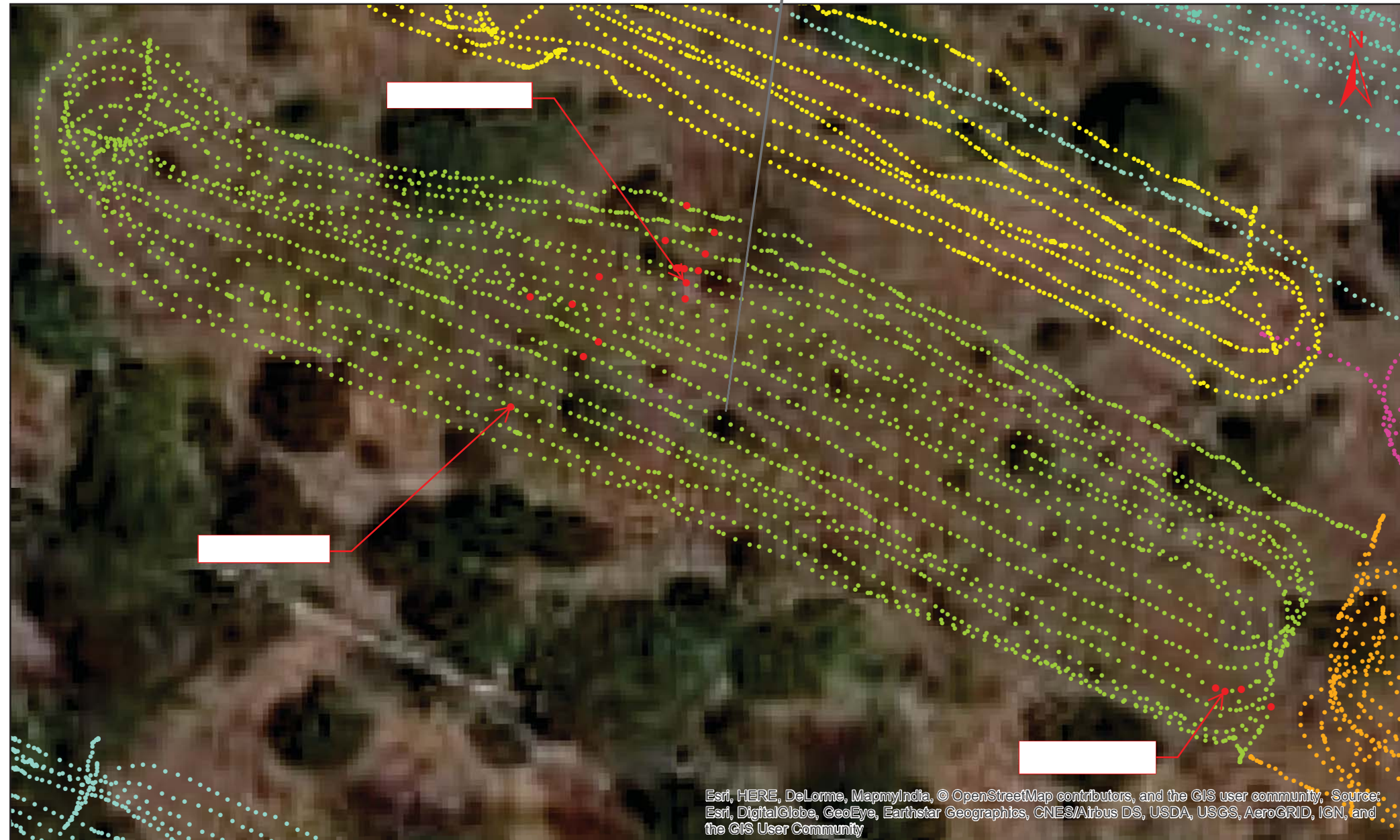
Lot 12



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Lot 13



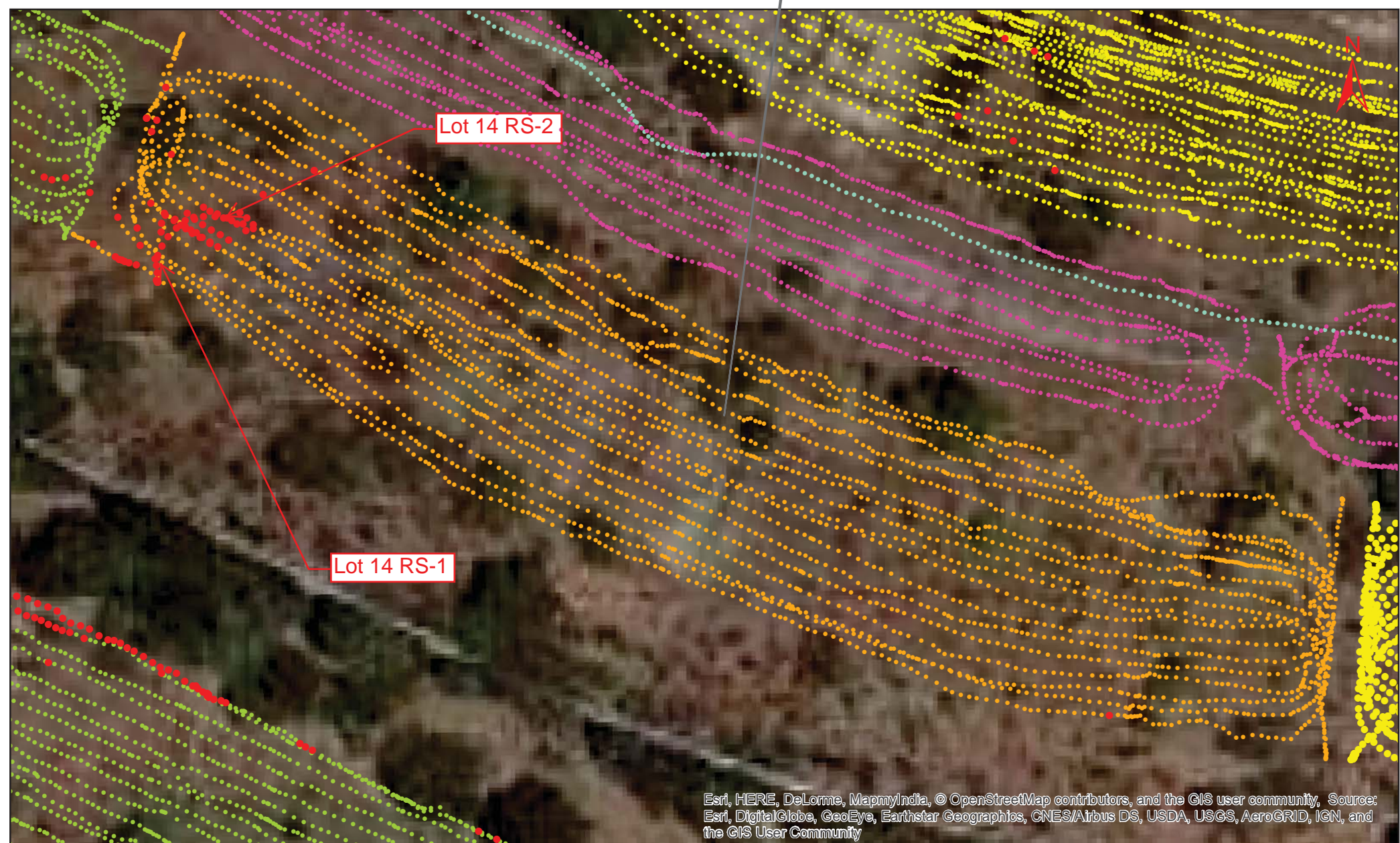
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Lot 14

Lot 14 RS-2

Lot 14 RS-1

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Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

Lot 15
Anomalous Area
Inspector 1K shots

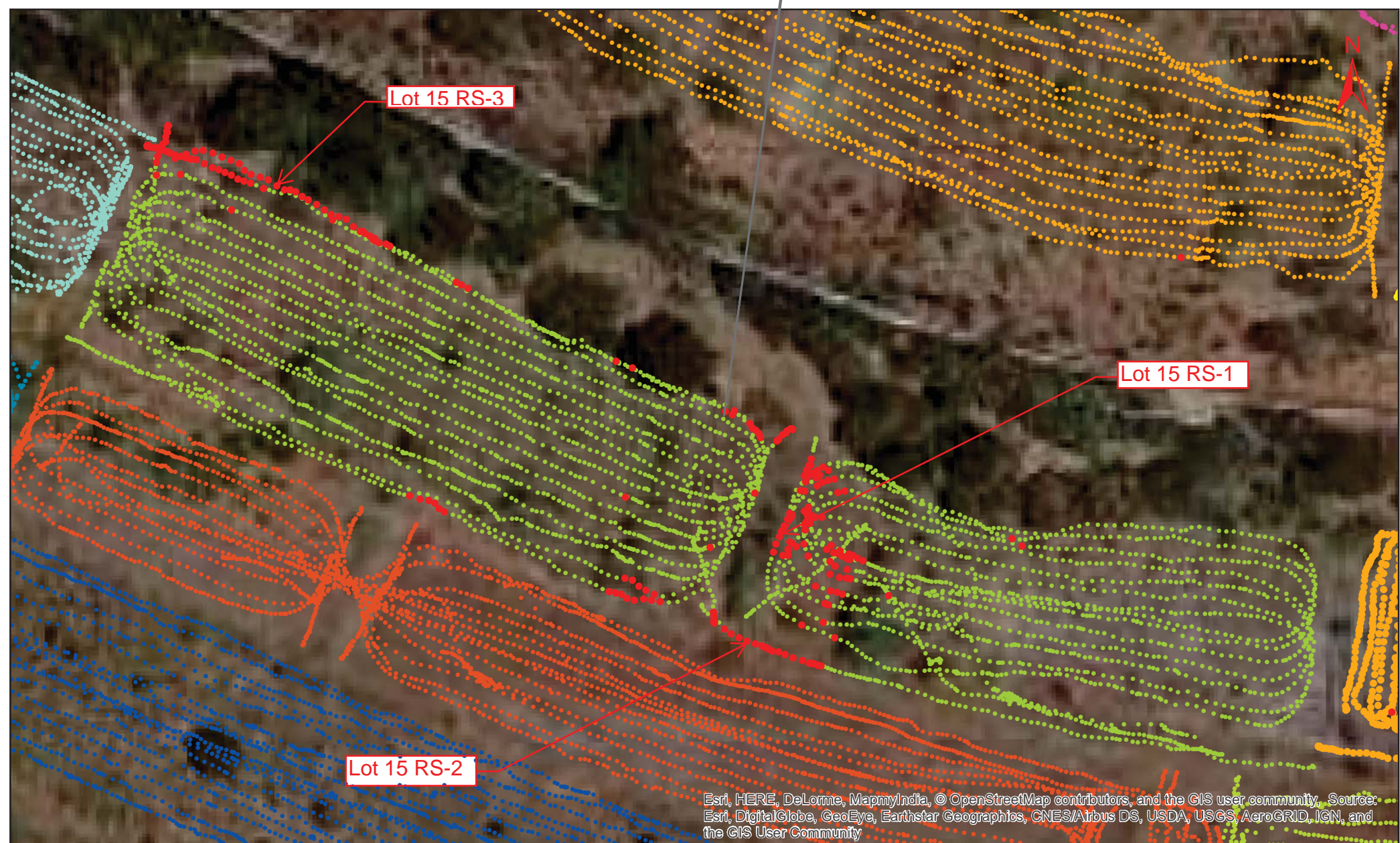
Lot 15

Lot 15 RS-3

Lot 15 RS-1

Lot 15 RS-2

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Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

Lot 16
Anomalous Area
Inspector 1K shots

Lot 16

Lot 16 RS-2

Lot 16 RS-3

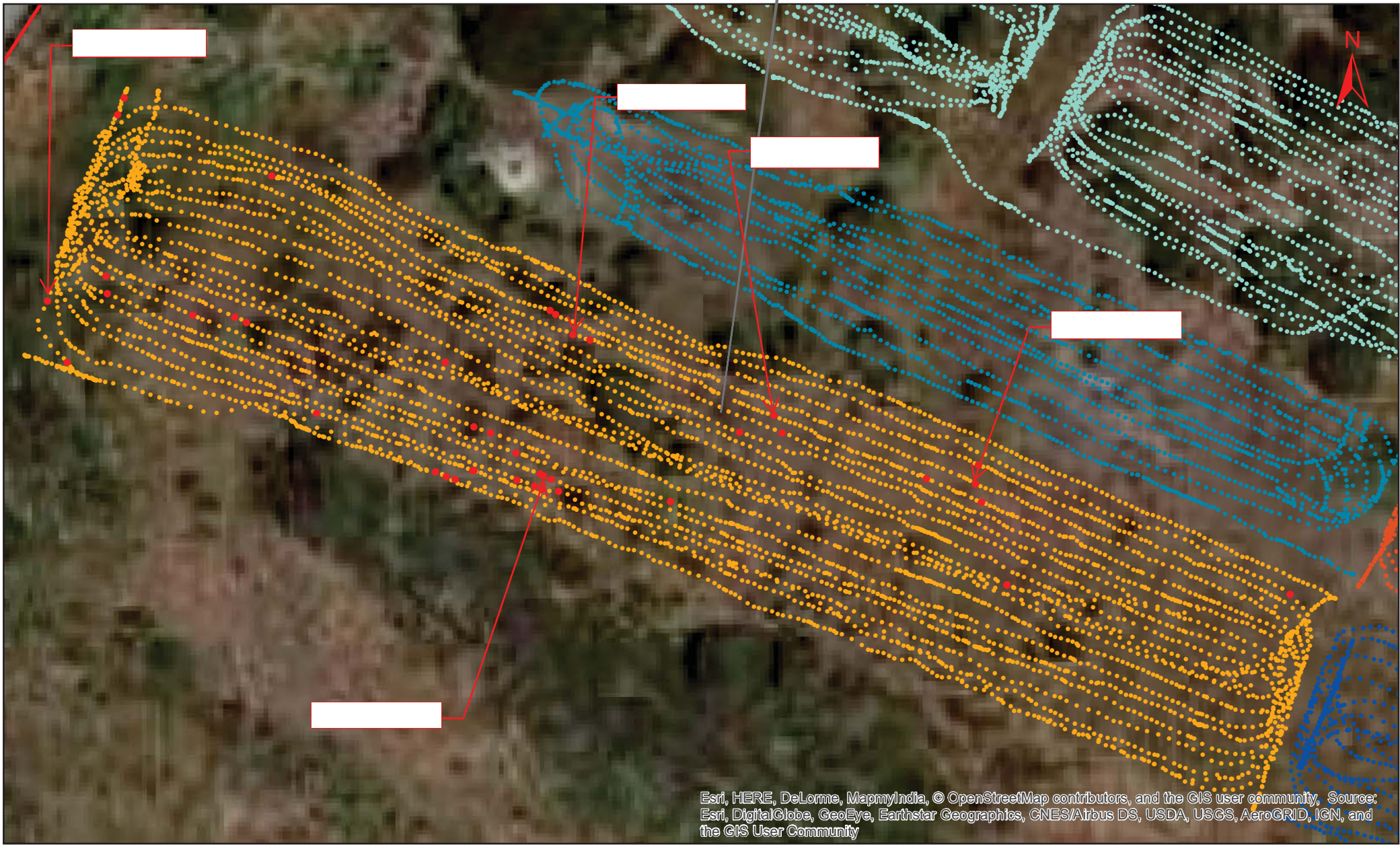
Lot 16 RS-4

Lot 16 RS-1

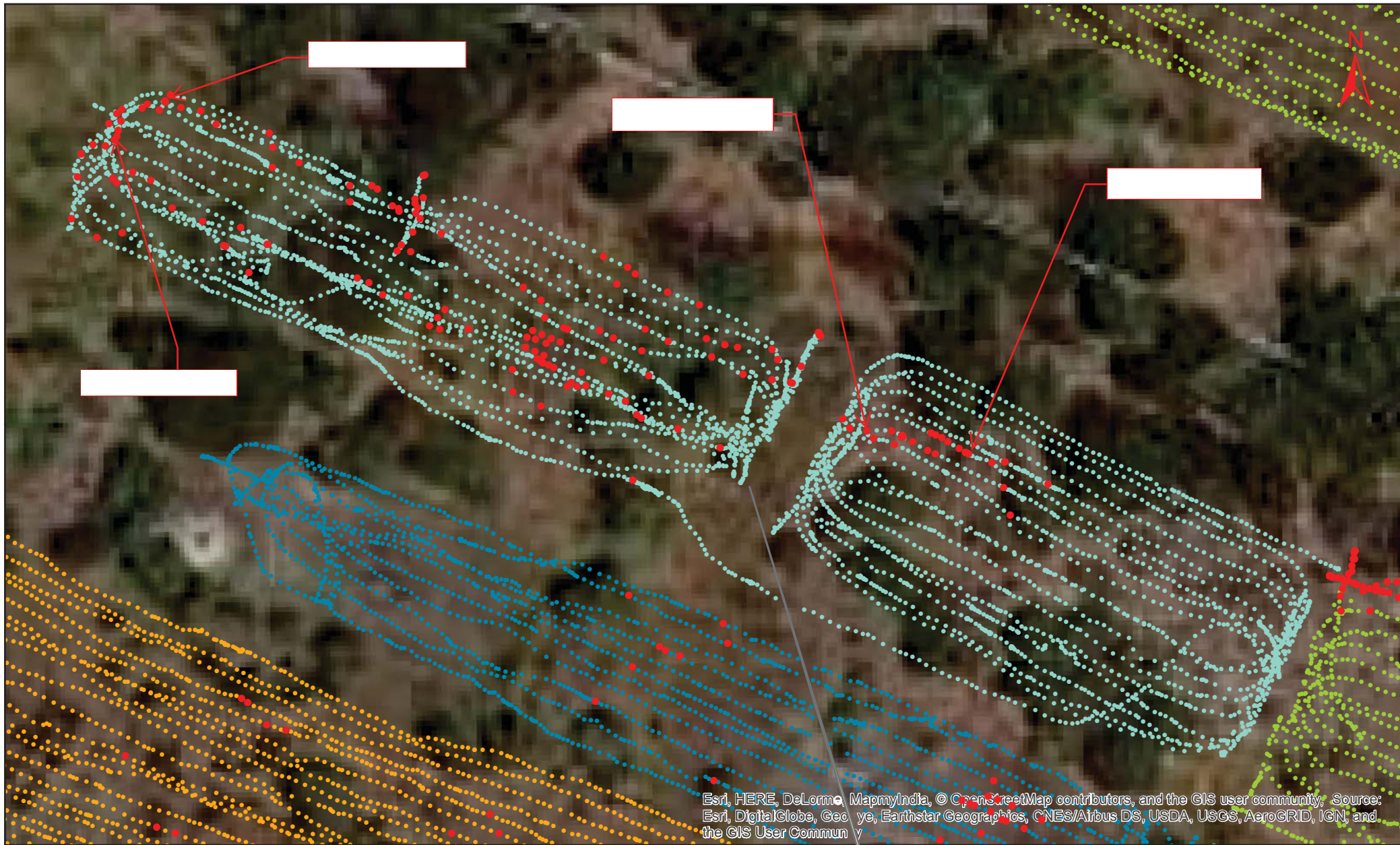


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Lot 17



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Lot 90 - 92

Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

NR Asphalt -1
Anomalous Area
Inspector 1K shots

NR Asphalt-1

NR Asph RS-1

NR Asph RS-2

NR Asph RS-3

NR Asph RS-4

NR Asph RS-5

NR Asph RS-6

NR Asph RS-7

NR Asph RS-8

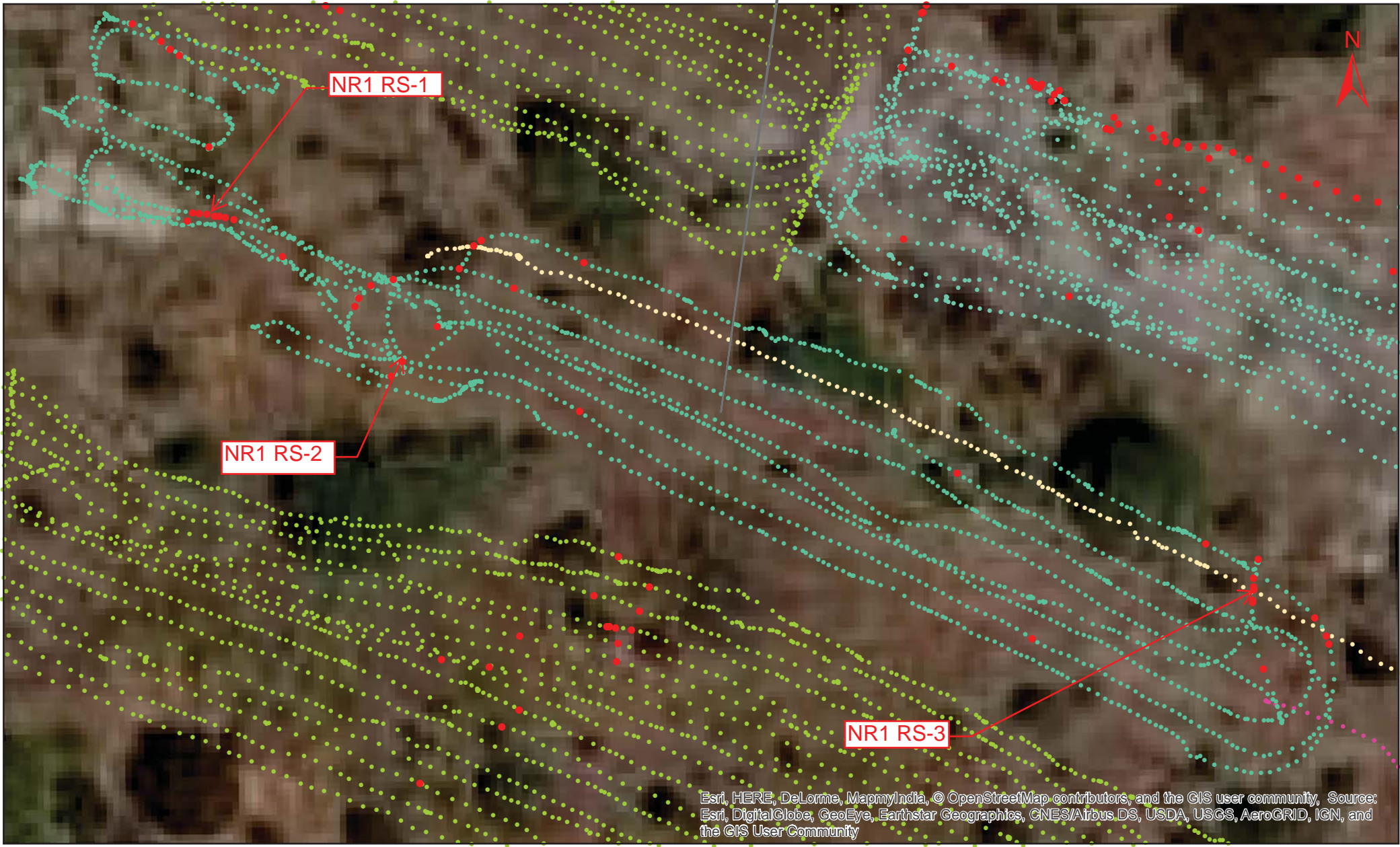
NR Asph RS-9

NR Asph RS-10



Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

NR1
Anomalous Area
Inspector 1K shots



Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

NR2
Anomalous Area
Inspector 1K shots

NR2

NR2 RS-1

NR2 RS-5

NR2 RS-2

NR2 RS-3

NR2 RS-4

NR2 RS-7

NR2 RS-6



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Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

NR3
Anomalous Area
Inspector 1K shots

NR3

NR3 RS-1

NR3 RS-5

NR3 RS-3

122°22'34.15"W, 37°43'42.32"N

NR3 RS-2

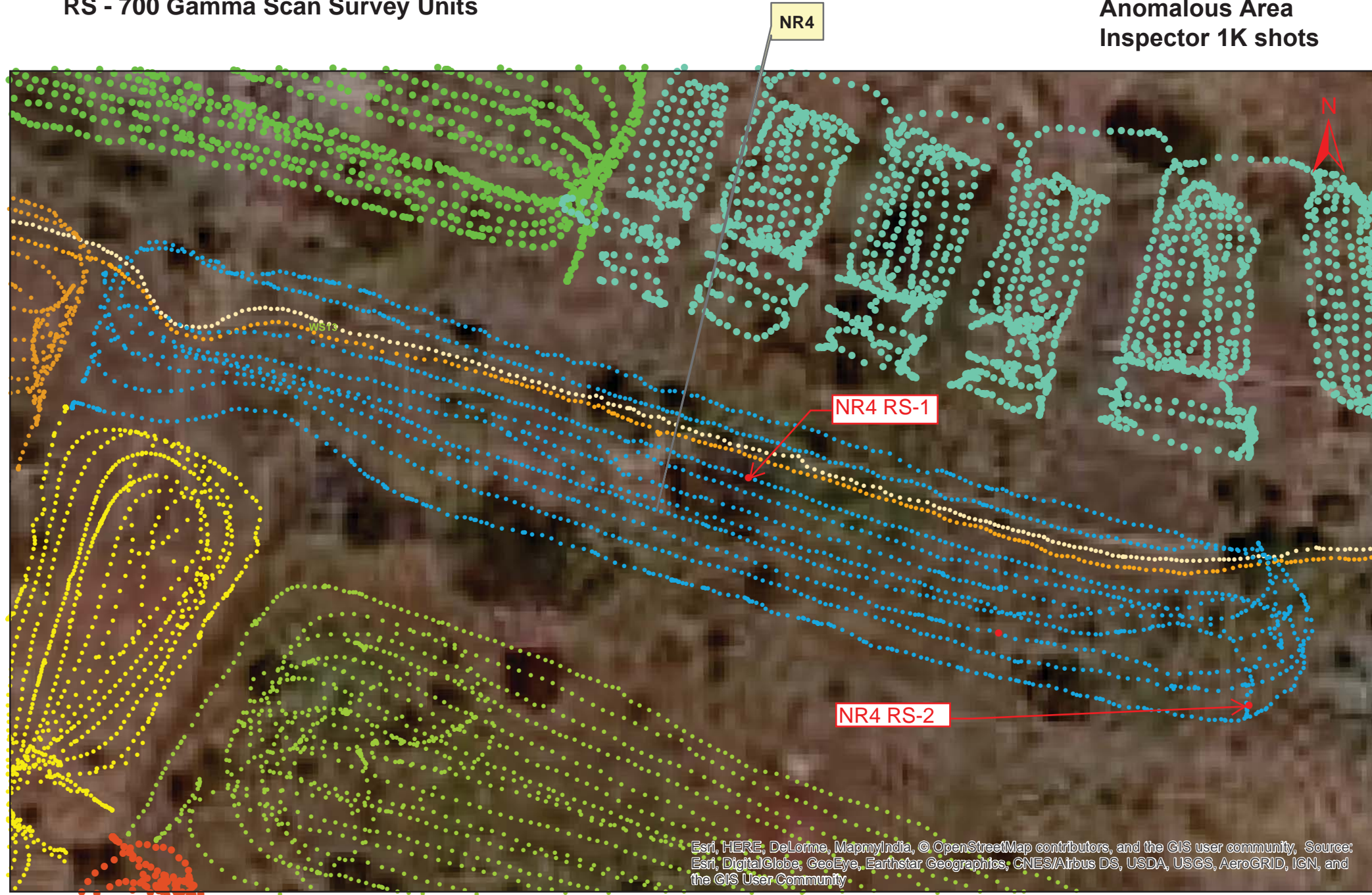
NR3 RS-4



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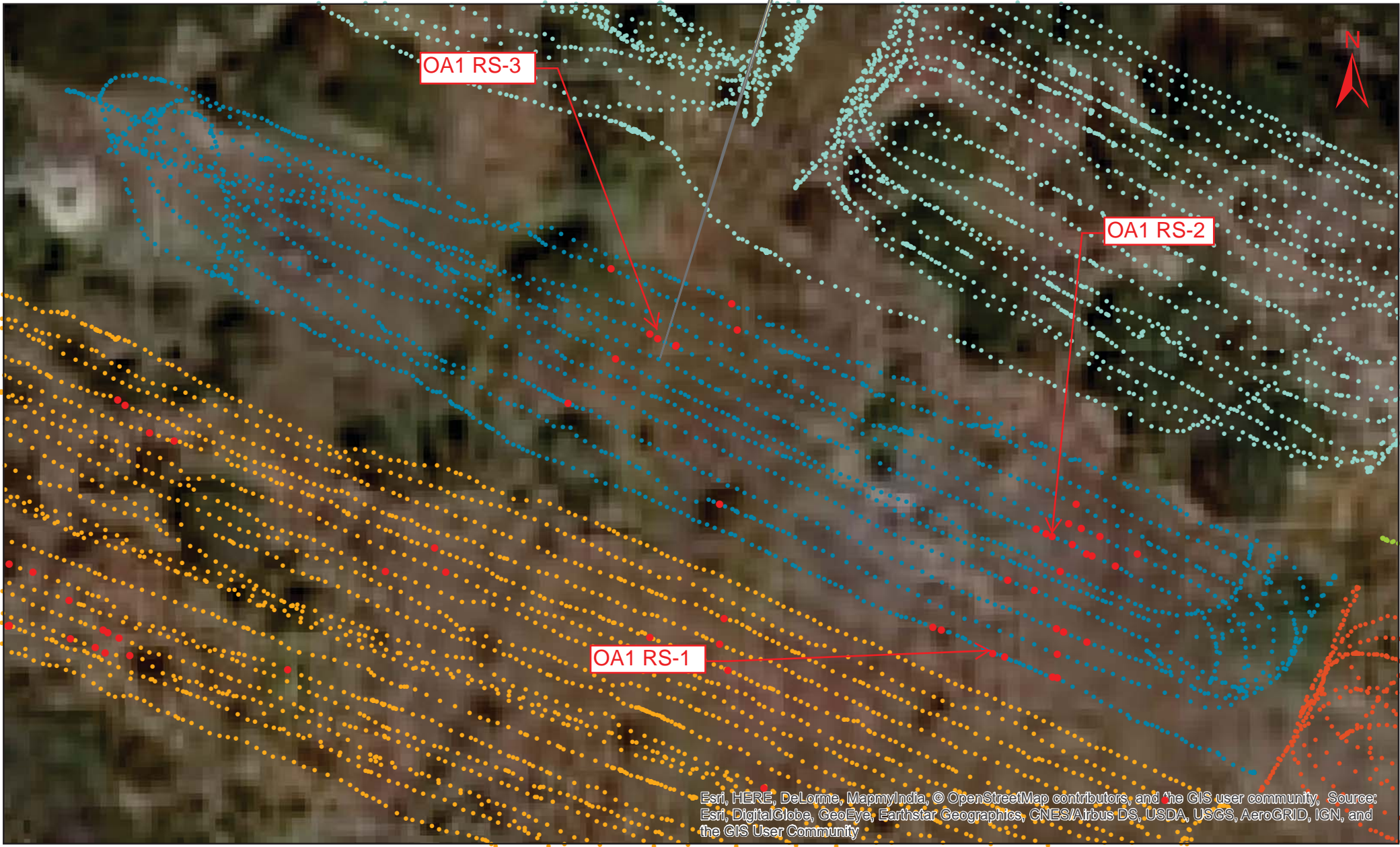
Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

NR4
Anomalous Area
Inspector 1K shots



Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

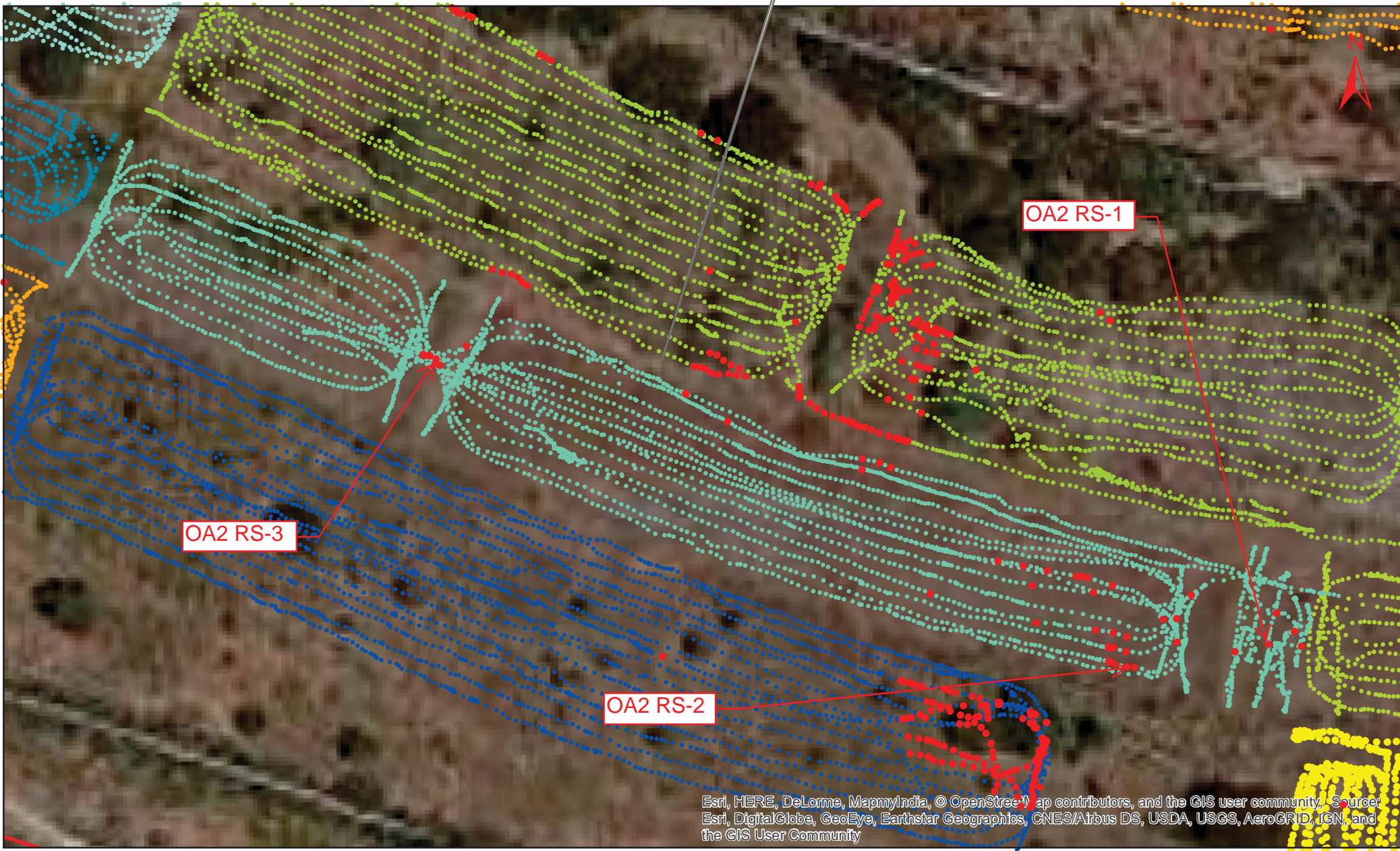
OA1
Anomalous Area



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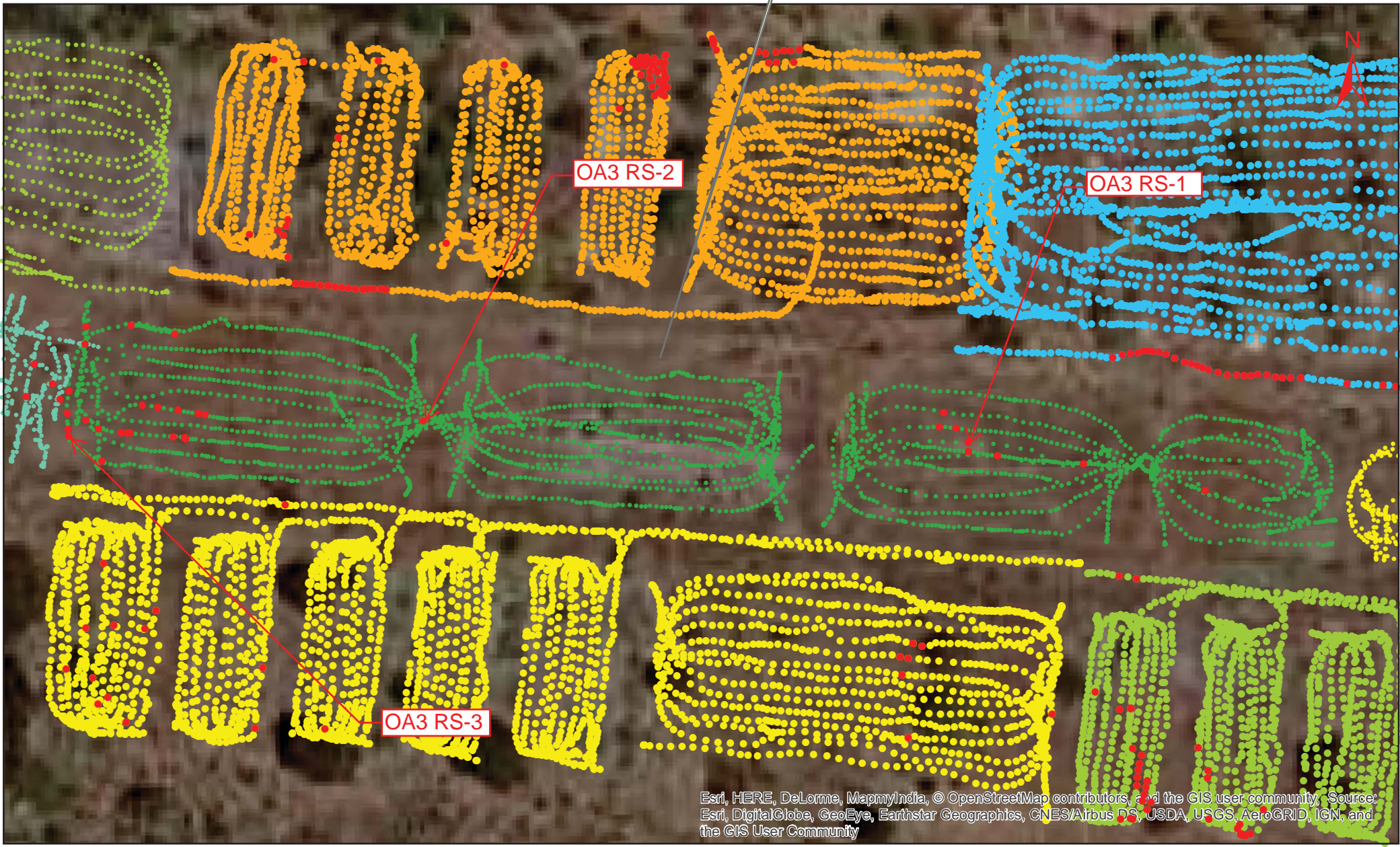
Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

OA2
Anomalous Area
Inspector 1K shots

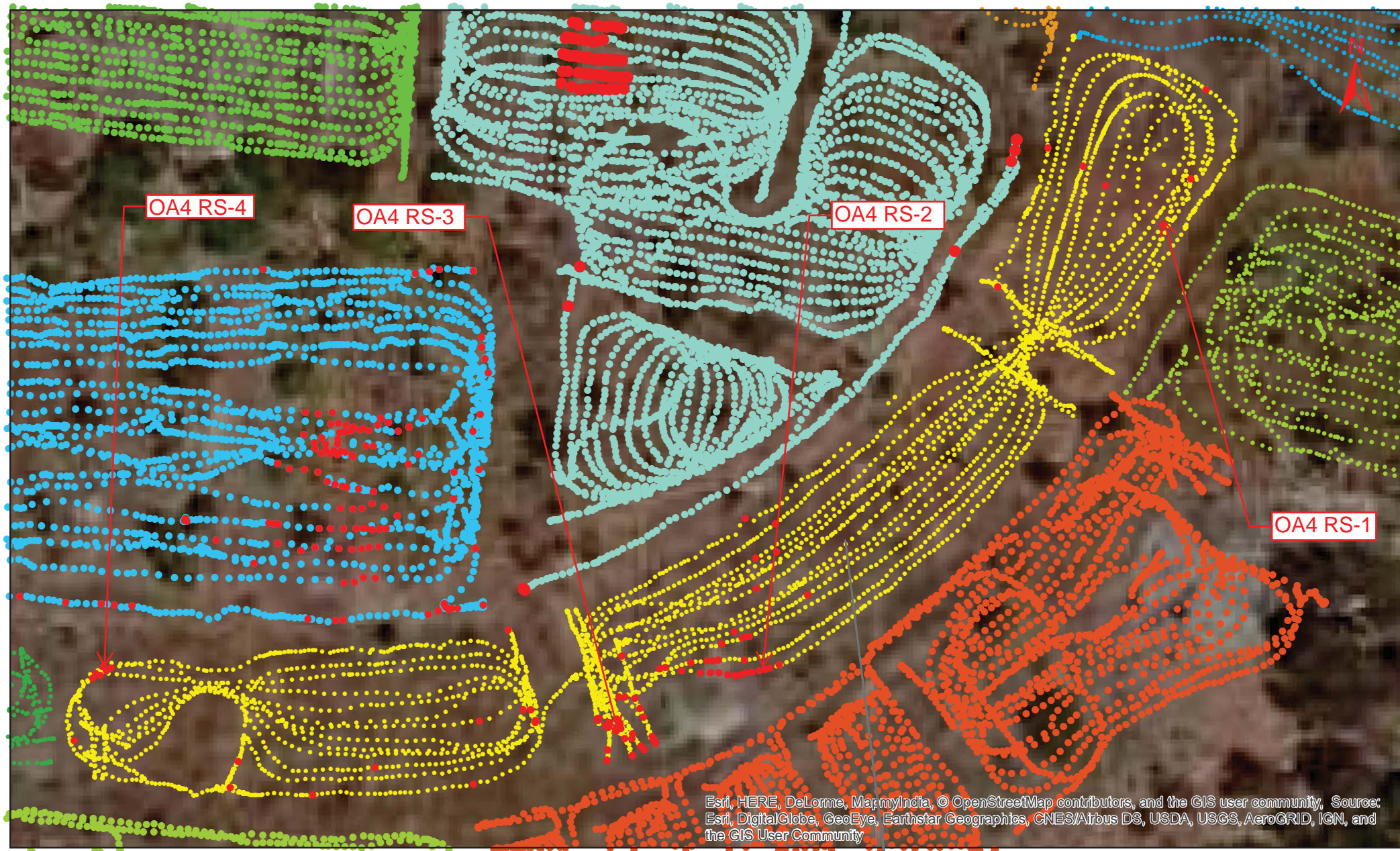


Hunter's Point Parcel A2
RS - 700 Gamma Scan Survey Units

OA3
Anomalous Area
Inspector 1K shots



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OA4

Number of data points collected: 3079

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	3558	113	24.9	32.3	161	215	7479
Std. Dev.	788	24	8.92	12.13	43.8	56.8	1647
Median	3635	115	24.1	31.1	161	218	7640
Shift (Avg. - Median)	-77	-3	0.876	1.180	-0.77	-3.65	-161
Shift/Std. Dev.	-10%	-11%	10%	10%	-2%	-6%	-10%
Coeff. of Variation	22.1%	21%	35.8%	37.6%	27.2%	26.4%	22.0%
Predicted CoV	1.68%	9.42%	20.0%	17.6%	7.89%	6.82%	1.16%
Avg. +2 sigma	5134	160	42.8	56.5	248	328	10773
Avg. +3 sigma	5922	183	51.7	68.6	292	385	12421
Avg. + 4 sigma	6710	207	60.6	80.8	336	442	14068
Avg. + 5 sigma	7497	230	69.5	92.9	379	499	15715
Avg. + 6 sigma	8285	254	78.4	105.0	423	555	17362
Min. Count	1584	47.1	3.0	1.0	48.1	71.1	3395
Max. Count	5699	172	62.2	76.2	321	420	11944
(Max-Min)/Std. Dev.	5.2	5.3	6.6	6.2	6.2	6.1	5.2

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	9.8	2.97	4.69
Std.Dev. Activity	2.17	1.061	1.276
Avg. +2 sigma	14.2	5.09	7.24
Avg. +3 sigma	16.3	6.15	8.51
Min. Activity	4.37	0.358	1.40
Max. Activity	15.7	7.40	9.36

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	3513	112.2	24.3	31.0	157.6	211.4	7382.6
Std. Dev.	745	22.9	8.1	10.7	40.5	53.1	1555
Avg + 2 sigma	5003	158	40.5	52.4	239	318	10493
Avg + 3 sigma	5748	181	48.6	63.1	279	371	12048
Avg + 4 sigma	6493	204	56.7	73.8	319	424	13603
Avg + 5 sigma	7237	227	64.8	84.5	360	477	15158

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2695

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2810	101	18.2	19.8	122	163	5898
Std. Dev.	644	33	6.69	7.84	36.6	48.4	1336
Median	2817	100	17.0	19.0	120	161	5914
Shift (Avg. - Median)	-7	1	1.142	0.722	1.31	1.47	-17
Shift/Std. Dev.	-1%	3%	17%	9%	4%	3%	-1%
Coeff. of Variation	22.9%	33%	36.8%	39.7%	30.1%	29.7%	22.7%
Predicted CoV	1.89%	9.93%	23.5%	22.5%	9.07%	7.84%	1.30%
Avg. +2 sigma	4098	168	31.6	35.4	195	260	8569
Avg. +3 sigma	4742	201	38.3	43.3	231	308	9905
Avg. + 4 sigma	5386	234	45.0	51.1	268	356	11241
Avg. + 5 sigma	6030	268	51.7	59.0	304	405	12576
Avg. + 6 sigma	6674	301	58.3	66.8	341	453	13912
Min. Count	1476	27.0	1.0	1.0	47.1	66.1	3142
Max. Count	5558	196	61.2	68.2	302	403	11619
(Max-Min)/Std. Dev.	6.3	5.1	9.0	8.6	7.0	7.0	6.3

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.8	2.16	3.54
Std.Dev. Activity	1.78	0.797	1.067
Avg. +2 sigma	11.3	3.76	5.68
Avg. +3 sigma	13.1	4.55	6.74
Min. Activity	4.07	0.119	1.37
Max. Activity	15.3	7.28	8.80

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2772	100.2	17.5	18.9	119.0	159.8	5817.5
Std. Dev.	589	32.2	5.6	6.2	32.8	43.9	1219
Avg + 2 sigma	3949	165	28.7	31.3	185	248	8255
Avg + 3 sigma	4538	197	34.3	37.5	217	291	9474
Avg + 4 sigma	5126	229	39.8	43.7	250	335	10693
Avg + 5 sigma	5715	261	45.4	49.9	283	379	11912

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2399

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2642	66	19.6	21.0	112	147	5572
Std. Dev.	972	33	9.85	12.36	53.0	70.1	2022
Median	2655	67	18.0	18.0	113	149	5571
Shift (Avg. - Median)	-13	-1	1.523	2.923	-1.03	-1.87	1
Shift/Std. Dev.	-1%	-4%	15%	24%	-2%	-3%	0%
Coeff. of Variation	36.8%	51%	50.4%	59.0%	47.2%	47.5%	36.3%
Predicted CoV	1.95%	12.34%	22.6%	21.8%	9.44%	8.24%	1.34%
Avg. +2 sigma	4585	133	39.3	45.7	218	288	9617
Avg. +3 sigma	5557	166	49.1	58.0	271	358	11639
Avg. + 4 sigma	6529	199	59.0	70.4	324	428	13662
Avg. + 5 sigma	7500	233	68.8	82.8	377	498	15684
Avg. + 6 sigma	8472	266	78.7	95.1	430	568	17707
Min. Count	1314	11.0	1.0	1.0	31.1	39.1	2799
Max. Count	4748	155	59.1	58.1	236	314	9948
(Max-Min)/Std. Dev.	3.5	4.3	5.9	4.6	3.9	3.9	3.5

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.3	2.33	3.27
Std.Dev. Activity	2.68	1.172	1.544
Avg. +2 sigma	12.6	4.67	6.36
Avg. +3 sigma	15.3	5.84	7.91
Min. Activity	3.63	0.119	0.91
Max. Activity	13.1	7.04	6.87

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2640	64.4	19.0	20.2	111.7	146.8	5566.6
Std. Dev.	970	32.2	9.2	11.6	52.5	69.5	2018
Avg + 2 sigma	4581	129	37.4	43.4	217	286	9603
Avg + 3 sigma	5551	161	46.7	55.0	269	355	11621
Avg + 4 sigma	6521	193	55.9	66.5	322	425	13639
Avg + 5 sigma	7491	225	65.2	78.1	374	494	15657

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2770

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	4536	145	32.9	42.7	211	282	9508
Std. Dev.	681	22	10.64	13.43	44.3	54.7	1429
Median	4403	144	31.1	41.1	202	271	9242
Shift (Avg. - Median)	133	1	1.851	1.600	9.02	11.37	266
Shift/Std. Dev.	19%	4%	17%	12%	20%	21%	19%
Coeff. of Variation	15.0%	15%	32.3%	31.5%	20.9%	19.4%	15.0%
Predicted CoV	1.48%	8.30%	17.4%	15.3%	6.88%	5.95%	1.03%
Avg. +2 sigma	5897	188	54.2	69.6	300	392	12366
Avg. +3 sigma	6578	210	64.8	83.0	344	446	13795
Avg. + 4 sigma	7259	232	75.5	96.4	389	501	15223
Avg. + 5 sigma	7939	253	86.1	109.8	433	556	16652
Avg. + 6 sigma	8620	275	96.8	123.3	477	611	18081
Min. Count	2579	61.1	8.0	14.0	83.2	119.3	5416
Max. Count	5876	210	69.2	84.2	321	427	12350
(Max-Min)/Std. Dev.	4.8	6.9	5.7	5.2	5.4	5.6	4.9

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	12.5	3.92	6.17
Std.Dev. Activity	1.88	1.266	1.292
Avg. +2 sigma	16.3	6.45	8.75
Avg. +3 sigma	18.1	7.72	10.04
Min. Activity	7.11	0.954	2.43
Max. Activity	16.2	8.23	9.36

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	4536	144.3	32.1	41.8	210.1	280.4	9508.4
Std. Dev.	681	20.6	9.8	12.6	43.0	53.2	1429
Avg + 2 sigma	5897	185	51.8	67.0	296	387	12366
Avg + 3 sigma	6578	206	61.6	79.6	339	440	13795
Avg + 4 sigma	7259	227	71.4	92.1	382	493	15223
Avg + 5 sigma	7939	247	81.2	104.7	425	547	16652

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 4819

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2446	82	15.6	16.6	102	136	5155
Std. Dev.	658	32	6.40	7.57	36.3	48.3	1365
Median	2555	84	15.0	16.0	105	142	5380
Shift (Avg. - Median)	-108	-2	0.593	0.572	-3.21	-5.93	-225
Shift/Std. Dev.	-16%	-6%	9%	8%	-9%	-12%	-16%
Coeff. of Variation	26.9%	39%	41.0%	45.6%	35.5%	35.4%	26.5%
Predicted CoV	2.02%	11.02%	25.3%	24.5%	9.90%	8.56%	1.39%
Avg. +2 sigma	3762	147	28.4	31.7	175	233	7885
Avg. +3 sigma	4420	179	34.8	39.3	211	281	9250
Avg. + 4 sigma	5078	211	41.2	46.9	247	330	10615
Avg. + 5 sigma	5736	243	47.6	54.4	283	378	11980
Avg. + 6 sigma	6394	275	54.0	62.0	320	426	13345
Min. Count	1123	11.0	1.0	1.0	23.0	34.1	2432
Max. Count	5179	164	56.2	65.2	279	373	10888
(Max-Min)/Std. Dev.	6.2	4.8	8.6	8.5	7.1	7.0	6.2

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.7	1.86	2.98
Std.Dev. Activity	1.82	0.762	1.058
Avg. +2 sigma	10.4	3.38	5.09
Avg. +3 sigma	12.2	4.14	6.15
Min. Activity	3.10	0.119	0.67
Max. Activity	14.3	6.68	8.13

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2406	81.9	15.0	15.9	99.6	133.3	5070.8
Std. Dev.	596	31.8	5.4	6.0	32.3	43.4	1233
Avg + 2 sigma	3598	145	25.9	27.9	164	220	7537
Avg + 3 sigma	4194	177	31.4	33.9	197	264	8771
Avg + 4 sigma	4790	209	36.8	39.9	229	307	10004
Avg + 5 sigma	5386	241	42.3	46.0	261	350	11237

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3193

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2559	92	15.9	16.8	106	142	5386
Std. Dev.	912	52	7.17	8.61	48.6	65.8	1887
Median	2825	97	16.0	18.0	118	159	5939
Shift (Avg. - Median)	-265	-6	-0.092	-1.195	-12.22	-16.95	-553
Shift/Std. Dev.	-29%	-11%	-1%	-14%	-25%	-26%	-29%
Coeff. of Variation	35.6%	57%	45.0%	51.1%	45.8%	46.2%	35.0%
Predicted CoV	1.98%	10.45%	25.0%	24.4%	9.71%	8.38%	1.36%
Avg. +2 sigma	4383	197	30.3	34.1	203	274	9161
Avg. +3 sigma	5294	249	37.5	42.7	252	340	11049
Avg. + 4 sigma	6206	302	44.6	51.3	300	406	12936
Avg. + 5 sigma	7118	354	51.8	59.9	349	471	14824
Avg. + 6 sigma	8029	407	59.0	68.5	398	537	16711
Min. Count	1081	9.0	1.0	1.0	19.0	26.1	2330
Max. Count	4019	208	40.1	46.1	217	289	8410
(Max-Min)/Std. Dev.	3.2	3.8	5.4	5.2	4.1	4.0	3.2

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.1	1.90	3.09
Std.Dev. Activity	2.52	0.854	1.417
Avg. +2 sigma	12.1	3.60	5.93
Avg. +3 sigma	14.6	4.46	7.35
Min. Activity	2.98	0.119	0.56
Max. Activity	11.1	4.77	6.31

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2559	91.5	15.7	16.4	106.0	142.4	5386.4
Std. Dev.	912	52.4	6.9	8.2	48.6	65.8	1887
Avg + 2 sigma	4383	196	29.4	32.9	203	274	9161
Avg + 3 sigma	5294	249	36.3	41.1	252	340	11049
Avg + 4 sigma	6206	301	43.2	49.4	300	405	12936
Avg + 5 sigma	7118	354	50.1	57.6	349	471	14824

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3618

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	1807	49	11.4	11.4	69	92	3827
Std. Dev.	438	21	4.70	5.31	24.5	32.8	908
Median	1660	43	11.0	10.5	63	83	3519
Shift (Avg. - Median)	147	6	0.367	0.881	6.25	8.89	308
Shift/Std. Dev.	34%	30%	8%	17%	25%	27%	34%
Coeff. of Variation	24.2%	43%	41.3%	46.6%	35.4%	35.7%	23.7%
Predicted CoV	2.35%	14.23%	29.6%	29.6%	12.01%	10.42%	1.62%
Avg. +2 sigma	2683	92	20.8	22.0	118	158	5644
Avg. +3 sigma	3121	114	25.5	27.3	143	191	6552
Avg. + 4 sigma	3559	135	30.2	32.7	167	223	7460
Avg. + 5 sigma	3997	156	34.9	38.0	192	256	8369
Avg. + 6 sigma	4436	178	39.6	43.3	217	289	9277
Min. Count	1049	10.0	1.0	1.0	20.0	25.0	2281
Max. Count	3462	155	35.1	34.1	168	237	7281
(Max-Min)/Std. Dev.	5.5	6.8	7.3	6.2	6.0	6.4	5.5

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	5.0	1.36	2.02
Std.Dev. Activity	1.21	0.559	0.715
Avg. +2 sigma	7.4	2.47	3.45
Avg. +3 sigma	8.6	3.03	4.17
Min. Activity	2.89	0.119	0.58
Max. Activity	9.6	4.17	4.91

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	1753	46.7	10.8	10.7	66.3	87.7	3717.0
Std. Dev.	361	17.6	3.9	4.3	20.2	26.9	750
Avg + 2 sigma	2476	82	18.6	19.3	107	142	5218
Avg + 3 sigma	2837	99	22.5	23.7	127	168	5968
Avg + 4 sigma	3199	117	26.4	28.0	147	195	6719
Avg + 5 sigma	3560	135	30.4	32.4	167	222	7469

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2450

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2530	79	16.6	17.1	107	142	5326
Std. Dev.	709	31	7.26	8.73	40.0	52.6	1469
Median	2668	86	16.0	16.0	112	150	5613
Shift (Avg. - Median)	-138	-7	0.598	1.061	-5.53	-8.76	-288
Shift/Std. Dev.	-19%	-22%	8%	12%	-14%	-17%	-20%
Coeff. of Variation	28.0%	38%	43.6%	51.1%	37.5%	37.1%	27.6%
Predicted CoV	1.99%	11.22%	24.5%	24.2%	9.68%	8.41%	1.37%
Avg. +2 sigma	3947	141	31.1	34.6	187	247	8263
Avg. +3 sigma	4655	171	38.4	43.3	227	299	9732
Avg. + 4 sigma	5364	202	45.7	52.0	267	352	11200
Avg. + 5 sigma	6072	232	52.9	60.8	307	404	12669
Avg. + 6 sigma	6781	263	60.2	69.5	347	457	14138
Min. Count	1292	8.0	1.0	1.0	31.1	36.1	2755
Max. Count	5543	141	58.1	63.2	312	399	11598
(Max-Min)/Std. Dev.	6.0	4.4	7.9	7.1	7.0	6.9	6.0

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.0	1.98	3.11
Std.Dev. Activity	1.95	0.864	1.168
Avg. +2 sigma	10.9	3.71	5.45
Avg. +3 sigma	12.8	4.57	6.61
Min. Activity	3.57	0.119	0.91
Max. Activity	15.3	6.92	9.09

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2486	79.4	15.9	16.2	104.0	138.1	5235.1
Std. Dev.	635	30.5	6.1	7.2	35.6	47.2	1316
Avg + 2 sigma	3757	140	28.0	30.6	175	232	7866
Avg + 3 sigma	4392	171	34.1	37.8	211	280	9182
Avg + 4 sigma	5027	201	40.2	45.0	247	327	10497
Avg + 5 sigma	5663	232	46.2	52.2	282	374	11813

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3038

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2332	66	16.3	16.0	98	128	4919
Std. Dev.	819	28	8.26	10.22	45.5	59.3	1705
Median	2157	62	14.0	13.0	87	115	4557
Shift (Avg. - Median)	175	4	2.240	2.950	10.61	12.87	362
Shift/Std. Dev.	21%	13%	27%	29%	23%	22%	21%
Coeff. of Variation	35.1%	43%	50.8%	64.0%	46.5%	46.3%	34.7%
Predicted CoV	2.07%	12.33%	24.8%	25.0%	10.11%	8.84%	1.43%
Avg. +2 sigma	3969	122	32.8	36.4	189	247	8328
Avg. +3 sigma	4788	150	41.1	46.6	234	306	10033
Avg. + 4 sigma	5607	178	49.3	56.9	280	365	11738
Avg. + 5 sigma	6426	206	57.6	67.1	325	425	13442
Avg. + 6 sigma	7245	234	65.8	77.3	371	484	15147
Min. Count	1200	16.0	1.0	1.0	24.0	35.1	2560
Max. Count	5551	161	63.2	68.2	320	393	11622
(Max-Min)/Std. Dev.	5.3	5.2	7.5	6.6	6.5	6.0	5.3

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.4	1.94	2.85
Std.Dev. Activity	2.26	0.983	1.326
Avg. +2 sigma	10.9	3.90	5.50
Avg. +3 sigma	13.2	4.89	6.83
Min. Activity	3.31	0.119	0.70
Max. Activity	15.3	7.51	9.33

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2242	64	15.1	14.6	92	121	4731
Std. Dev.	677.3	26.0	6.33	7.82	36.5	48.2	1408
Avg + 2 sigma	3596	116	27.7	30.2	165	217	7546
Avg + 3 sigma	4274	142	34.1	38.0	202	265	8954
Avg + 4 sigma	4951	168	40.4	45.8	238	314	10362
Avg + 5 sigma	5628	194	46.7	53.7	275	362	11770

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3404

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2603	88	17.4	17.1	111	147	5476
Std. Dev.	363	18	5.05	5.39	21.3	27.9	753
Median	2627	89	17.0	17.0	111	147	5529
Shift (Avg. - Median)	-24	-1	0.405	0.041	-0.68	-0.74	-54
Shift/Std. Dev.	-7%	-7%	8%	1%	-3%	-3%	-7%
Coeff. of Variation	14.0%	21%	28.9%	31.6%	19.2%	19.0%	13.8%
Predicted CoV	1.96%	10.66%	23.9%	24.2%	9.51%	8.26%	1.35%
Avg. +2 sigma	3330	125	27.5	27.9	153	202	6982
Avg. +3 sigma	3693	143	32.6	33.2	174	230	7736
Avg. + 4 sigma	4057	161	37.6	38.6	196	258	8489
Avg. + 5 sigma	4420	180	42.7	44.0	217	286	9243
Avg. + 6 sigma	4783	198	47.7	49.4	238	314	9996
Min. Count	1517	32.1	4.0	3.0	49.1	66.1	3207
Max. Count	3811	153	39.1	40.1	194	245	8003
(Max-Min)/Std. Dev.	6.3	6.6	7.0	6.9	6.8	6.4	6.4

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.2	2.08	3.22
Std.Dev. Activity	1.00	0.600	0.620
Avg. +2 sigma	9.2	3.28	4.46
Avg. +3 sigma	10.2	3.88	5.08
Min. Activity	4.18	0.477	1.43
Max. Activity	10.5	4.65	5.67

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2590	87.2	17.1	16.6	109.3	145.1	5449.2
Std. Dev.	350	17.6	4.6	4.7	20.0	26.4	726
Avg + 2 sigma	3290	122	26.2	26.0	149	198	6902
Avg + 3 sigma	3640	140	30.8	30.8	169	224	7628
Avg + 4 sigma	3991	158	35.4	35.5	189	251	8355
Avg + 5 sigma	4341	175	40.0	40.3	209	277	9081

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2751

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2285	63	15.8	15.3	94	124	4819
Std. Dev.	683	29	6.60	7.94	37.3	49.4	1416
Median	1918	52	15.0	13.0	78	102	4059
Shift (Avg. - Median)	367	11	0.754	2.244	15.76	21.79	759
Shift/Std. Dev.	54%	37%	11%	28%	42%	44%	54%
Coeff. of Variation	29.9%	46%	41.8%	52.0%	39.7%	39.9%	29.4%
Predicted CoV	2.09%	12.62%	25.2%	25.6%	10.32%	8.98%	1.44%
Avg. +2 sigma	3651	120	29.0	31.1	168	223	7651
Avg. +3 sigma	4334	149	35.6	39.1	206	272	9067
Avg. + 4 sigma	5017	178	42.2	47.0	243	322	10484
Avg. + 5 sigma	5699	207	48.8	55.0	280	371	11900
Avg. + 6 sigma	6382	235	55.4	62.9	317	421	13316
Min. Count	1293	19.0	2.0	2.0	35.1	49.1	2739
Max. Count	4182	158	39.1	49.1	208	275	8716
(Max-Min)/Std. Dev.	4.2	4.8	5.6	5.9	4.7	4.6	4.2

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.3	1.88	2.74
Std.Dev. Activity	1.88	0.786	1.087
Avg. +2 sigma	10.1	3.45	4.91
Avg. +3 sigma	12.0	4.23	6.00
Min. Activity	3.57	0.238	1.02
Max. Activity	11.5	4.65	6.08

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2273	59.9	15.2	14.7	92.6	122.5	4794.7
Std. Dev.	672	25.4	5.9	7.3	36.0	48.0	1394
Avg + 2 sigma	3618	111	27.0	29.2	165	218	7583
Avg + 3 sigma	4291	136	33.0	36.5	200	266	8978
Avg + 4 sigma	4963	161	38.9	43.8	236	314	10372
Avg + 5 sigma	5635	187	44.8	51.0	272	362	11767

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 1741

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	3117	99	21.5	25.1	136	181	6556
Std. Dev.	806	34	8.43	11.45	44.8	59.5	1678
Median	3216	99	20.0	23.1	137	185	6774
Shift (Avg. - Median)	-100	0	1.484	2.025	-1.33	-4.34	-218
Shift/Std. Dev.	-12%	-1%	18%	18%	-3%	-7%	-13%
Coeff. of Variation	25.9%	35%	39.1%	45.7%	33.0%	32.8%	25.6%
Predicted CoV	1.79%	10.06%	21.6%	20.0%	8.58%	7.43%	1.24%
Avg. +2 sigma	4729	168	38.4	48.0	226	300	9912
Avg. +3 sigma	5535	202	46.8	59.4	270	360	11590
Avg. + 4 sigma	6341	236	55.2	70.9	315	419	13268
Avg. + 5 sigma	7147	271	63.7	82.3	360	478	14946
Avg. + 6 sigma	7953	305	72.1	93.8	405	538	16623
Min. Count	1345	20.0	3.0	4.0	35.1	55.1	2910
Max. Count	4930	189	52.1	65.2	258	329	10314
(Max-Min)/Std. Dev.	4.4	4.9	5.8	5.3	5.0	4.6	4.4

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	8.6	2.56	3.97
Std.Dev. Activity	2.22	1.003	1.308
Avg. +2 sigma	13.0	4.57	6.58
Avg. +3 sigma	15.3	5.57	7.89
Min. Activity	3.71	0.358	1.02
Max. Activity	13.6	6.20	7.52

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	3108	97.7	20.7	23.7	134.1	178.9	6535.9
Std. Dev.	799	33.4	7.4	9.9	43.0	57.6	1662
Avg + 2 sigma	4707	165	35.6	43.4	220	294	9860
Avg + 3 sigma	5506	198	43.0	53.3	263	352	11522
Avg + 4 sigma	6305	232	50.5	63.1	306	409	13184
Avg + 5 sigma	7104	265	57.9	73.0	349	467	14846

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2927

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	1524	32	9.3	11.1	54	72	3244
Std. Dev.	225	9	3.58	4.18	14.3	18.3	469
Median	1473	31	9.0	11.0	52	69	3139
Shift (Avg. - Median)	51	1	0.269	0.060	2.27	3.01	105
Shift/Std. Dev.	23%	9%	8%	1%	16%	16%	22%
Coeff. of Variation	14.8%	28%	38.6%	37.8%	26.3%	25.3%	14.4%
Predicted CoV	2.56%	17.72%	32.8%	30.0%	13.56%	11.77%	1.76%
Avg. +2 sigma	1975	50	16.5	19.4	83	109	4181
Avg. +3 sigma	2200	59	20.0	23.6	97	127	4650
Avg. + 4 sigma	2425	68	23.6	27.8	112	145	5119
Avg. + 5 sigma	2650	76	27.2	32.0	126	164	5588
Avg. + 6 sigma	2876	85	30.8	36.2	140	182	6056
Min. Count	1177	12.0	1.0	1.0	19.0	30.1	2526
Max. Count	3990	103	40.1	38.1	197	255	8358
(Max-Min)/Std. Dev.	12.5	10.2	10.9	8.9	12.5	12.3	12.4

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	4.2	1.11	1.59
Std.Dev. Activity	0.62	0.426	0.417
Avg. +2 sigma	5.4	1.96	2.42
Avg. +3 sigma	6.1	2.38	2.84
Min. Activity	3.25	0.119	0.56
Max. Activity	11.0	4.77	5.76

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	1496	30.8	8.9	10.6	52.7	69.9	3185.0
Std. Dev.	137	6.6	3.0	3.4	10.1	12.3	283
Avg + 2 sigma	1769	44	14.9	17.3	73	95	3751
Avg + 3 sigma	1906	50	17.9	20.7	83	107	4034
Avg + 4 sigma	2042	57	20.9	24.0	93	119	4317
Avg + 5 sigma	2179	64	23.8	27.4	103	132	4600

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 4330

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	3351	90	25.1	32.8	154	204	7053
Std. Dev.	1370	41	13.71	18.69	76.7	100.6	2859
Median	3608	106	25.1	32.1	164	219	7583
Shift (Avg. - Median)	-257	-16	0.093	0.687	-10.44	-15.86	-531
Shift/Std. Dev.	-19%	-40%	1%	4%	-14%	-16%	-19%
Coeff. of Variation	40.9%	46%	54.5%	57.0%	49.8%	49.4%	40.5%
Predicted CoV	1.73%	10.54%	19.9%	17.5%	8.06%	7.01%	1.19%
Avg. +2 sigma	6091	172	52.6	70.1	307	405	12771
Avg. +3 sigma	7461	213	66.3	88.8	384	505	15629
Avg. + 4 sigma	8832	254	80.0	107.5	461	606	18488
Avg. + 5 sigma	10202	295	93.7	126.2	537	707	21347
Avg. + 6 sigma	11572	336	107.4	144.9	614	807	24206
Min. Count	1214	12.0	2.0	2.0	28.1	40.1	2625
Max. Count	5866	167	72.2	88.2	326	422	12353
(Max-Min)/Std. Dev.	3.4	3.8	5.1	4.6	3.9	3.8	3.4

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	9.2	2.99	4.49
Std.Dev. Activity	3.78	1.631	2.236
Avg. +2 sigma	16.8	6.25	8.96
Avg. +3 sigma	20.6	7.89	11.20
Min. Activity	3.35	0.238	0.82
Max. Activity	16.2	8.59	9.50

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	3351	90.0	24.2	31.5	153.2	202.8	7052.6
Std. Dev.	1370	41.1	12.8	17.5	76.1	100.0	2859
Avg + 2 sigma	6091	172	49.7	66.5	305	403	12771
Avg + 3 sigma	7461	213	62.5	84.0	381	503	15629
Avg + 4 sigma	8832	254	75.2	101.5	458	603	18488
Avg + 5 sigma	10202	295	88.0	118.9	534	703	21347

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 1251

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	1669	45	10.7	12.0	65	86	3542
Std. Dev.	343	15	4.46	5.21	21.0	26.8	713
Median	1547	41	10.0	11.0	59	77	3286
Shift (Avg. - Median)	122	4	0.639	0.989	5.63	8.55	256
Shift/Std. Dev.	36%	24%	14%	19%	27%	32%	36%
Coeff. of Variation	20.5%	34%	41.8%	43.4%	32.4%	31.3%	20.1%
Predicted CoV	2.45%	14.95%	30.6%	28.9%	12.43%	10.80%	1.68%
Avg. +2 sigma	2355	75	19.6	22.4	107	139	4968
Avg. +3 sigma	2698	90	24.0	27.6	128	166	5681
Avg. + 4 sigma	3041	105	28.5	32.8	149	193	6394
Avg. + 5 sigma	3384	120	33.0	38.1	170	220	7107
Avg. + 6 sigma	3727	135	37.4	43.3	191	246	7820
Min. Count	1199	16.0	1.0	2.0	29.1	43.1	2562
Max. Count	3882	115	34.1	48.1	195	252	8166
(Max-Min)/Std. Dev.	7.8	6.6	7.4	8.9	7.9	7.8	7.9

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	4.6	1.27	1.89
Std.Dev. Activity	0.95	0.531	0.611
Avg. +2 sigma	6.5	2.33	3.11
Avg. +3 sigma	7.4	2.86	3.72
Min. Activity	3.31	0.119	0.85
Max. Activity	10.7	4.06	5.67

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	1615	42.8	10.1	11.3	61.4	81.7	3427.5
Std. Dev.	238	12.5	3.7	4.1	15.4	19.7	494
Avg + 2 sigma	2091	68	17.5	19.5	92	121	4416
Avg + 3 sigma	2330	80	21.2	23.5	108	141	4910
Avg + 4 sigma	2568	93	24.9	27.6	123	161	5404
Avg + 5 sigma	2806	105	28.6	31.6	138	180	5898

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2814

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2910	102	19.0	22.2	126	169	6120
Std. Dev.	643	32	6.50	8.30	34.9	46.6	1336
Median	3059	108	19.0	22.0	131	176	6430
Shift (Avg. - Median)	-149	-6	-0.056	0.175	-5.58	-7.74	-310
Shift/Std. Dev.	-23%	-20%	-1%	2%	-16%	-17%	-23%
Coeff. of Variation	22.1%	32%	34.2%	37.4%	27.8%	27.6%	21.8%
Predicted CoV	1.85%	9.91%	23.0%	21.2%	8.92%	7.70%	1.28%
Avg. +2 sigma	4195	166	32.0	38.8	196	262	8793
Avg. +3 sigma	4838	198	38.5	47.1	230	308	10129
Avg. + 4 sigma	5480	230	45.0	55.4	265	355	11465
Avg. + 5 sigma	6123	263	51.5	63.7	300	402	12801
Avg. + 6 sigma	6765	295	58.0	72.0	335	448	14138
Min. Count	1128	12.0	1.0	1.0	26.0	37.1	2436
Max. Count	4354	181	45.1	59.1	232	300	9133
(Max-Min)/Std. Dev.	5.0	5.3	6.8	7.0	5.9	5.6	5.0

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	8.0	2.26	3.67
Std.Dev. Activity	1.77	0.773	1.019
Avg. +2 sigma	11.6	3.81	5.70
Avg. +3 sigma	13.3	4.58	6.72
Min. Activity	3.11	0.119	0.76
Max. Activity	12.0	5.37	6.76

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2903	101.7	18.5	21.5	124.6	167.4	6102.4
Std. Dev.	637	32.0	5.9	7.4	33.8	45.4	1322
Avg + 2 sigma	4176	166	30.4	36.4	192	258	8746
Avg + 3 sigma	4813	198	36.3	43.9	226	304	10067
Avg + 4 sigma	5450	230	42.3	51.3	260	349	11389
Avg + 5 sigma	6087	261	48.2	58.8	294	394	12710

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3300

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2336	69	15.3	16.8	96	127	4932
Std. Dev.	565	23	6.16	7.43	31.1	41.3	1175
Median	2287	68	14.0	16.0	93	123	4823
Shift (Avg. - Median)	49	0	1.282	0.806	2.47	3.56	109
Shift/Std. Dev.	9%	2%	21%	11%	8%	9%	9%
Coeff. of Variation	24.2%	33%	40.3%	44.1%	32.6%	32.6%	23.8%
Predicted CoV	2.07%	12.08%	25.6%	24.4%	10.23%	8.88%	1.42%
Avg. +2 sigma	3466	114	27.6	31.7	158	209	7282
Avg. +3 sigma	4031	137	33.8	39.1	189	251	8456
Avg. + 4 sigma	4596	160	40.0	46.5	220	292	9631
Avg. + 5 sigma	5161	182	46.1	54.0	251	333	10806
Avg. + 6 sigma	5726	205	52.3	61.4	282	375	11981
Min. Count	1174	12.0	1.0	1.0	25.0	38.1	2542
Max. Count	4356	144	46.1	55.1	237	313	9158
(Max-Min)/Std. Dev.	5.6	5.8	7.3	7.3	6.8	6.7	5.6

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.4	1.82	2.79
Std.Dev. Activity	1.56	0.734	0.908
Avg. +2 sigma	9.6	3.29	4.61
Avg. +3 sigma	11.1	4.02	5.51
Min. Activity	3.24	0.119	0.73
Max. Activity	12.0	5.49	6.90

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2326.2	68.5	15.1	16.7	94.9	126.0	4912
Std. Dev.	550.8	22.7	5.7	7.1	29.9	40.0	1145
Avg + 2 sigma	3428	114	26.6	31.0	155	206	7202
Avg + 3 sigma	3979	137	32.3	38.1	185	246	8348
Avg + 4 sigma	4529	159	38.1	45.3	214	286	9493
Avg + 5 sigma	5080	182	43.8	52.4	244	326	10638

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3916

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2188	59	13.8	15.7	86	115	4621
Std. Dev.	673	28	6.76	8.38	37.7	49.5	1398
Median	1971	48	12.0	14.0	74	99	4179
Shift (Avg. - Median)	217	11	1.746	1.647	11.83	15.42	442
Shift/Std. Dev.	32%	38%	26%	20%	31%	31%	32%
Coeff. of Variation	30.8%	48%	49.1%	53.5%	43.8%	43.1%	30.3%
Predicted CoV	2.14%	13.03%	26.9%	25.3%	10.78%	9.34%	1.47%
Avg. +2 sigma	3534	115	27.3	32.4	161	214	7417
Avg. +3 sigma	4206	144	34.0	40.8	199	263	8815
Avg. + 4 sigma	4879	172	40.8	49.2	237	312	10213
Avg. + 5 sigma	5552	200	47.6	57.6	274	362	11611
Avg. + 6 sigma	6225	228	54.3	66.0	312	411	13009
Min. Count	1284	11.0	1.0	1.0	27.1	35.1	2769
Max. Count	4753	147	48.1	57.1	238	299	9912
(Max-Min)/Std. Dev.	5.2	4.8	7.0	6.7	5.6	5.3	5.1

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.0	1.64	2.51
Std.Dev. Activity	1.86	0.804	1.098
Avg. +2 sigma	9.7	3.25	4.70
Avg. +3 sigma	11.6	4.05	5.80
Min. Activity	3.54	0.119	0.79
Max. Activity	13.1	5.73	6.93

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2095	56.6	12.8	14.4	80.5	107.6	4426.8
Std. Dev.	550	25.7	5.3	6.4	30.2	40.1	1139
Avg + 2 sigma	3194	108	23.4	27.1	141	188	6705
Avg + 3 sigma	3744	134	28.6	33.5	171	228	7843
Avg + 4 sigma	4293	159	33.9	39.9	201	268	8982
Avg + 5 sigma	4843	185	39.2	46.2	231	308	10121

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 4180

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2787	77	20.1	23.5	123	162	5871
Std. Dev.	1080	28	11.23	15.34	62.0	80.2	2254
Median	2453	76	16.0	18.0	103	136	5167
Shift (Avg. - Median)	334	1	4.010	5.473	20.16	25.86	705
Shift/Std. Dev.	31%	5%	36%	36%	33%	32%	31%
Coeff. of Variation	38.8%	36%	56.0%	65.2%	50.3%	49.5%	38.4%
Predicted CoV	1.89%	11.36%	22.3%	20.6%	9.00%	7.85%	1.31%
Avg. +2 sigma	4948	133	42.5	54.2	247	323	10380
Avg. +3 sigma	6028	161	53.8	69.5	309	403	12634
Avg. + 4 sigma	7108	189	65.0	84.9	371	483	14888
Avg. + 5 sigma	8188	217	76.2	100.2	433	563	17142
Avg. + 6 sigma	9268	245	87.5	115.6	495	643	19396
Min. Count	1303	20.0	1.0	2.0	30.1	47.1	2785
Max. Count	5909	169	71.2	87.3	324	421	12359
(Max-Min)/Std. Dev.	4.3	5.4	6.2	5.6	4.7	4.7	4.2

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.7	2.39	3.60
Std.Dev. Activity	2.98	1.337	1.809
Avg. +2 sigma	13.6	5.06	7.21
Avg. +3 sigma	16.6	6.40	9.02
Min. Activity	3.60	0.119	0.88
Max. Activity	16.3	8.47	9.44

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2560	75.9	18.1	20.7	111.2	146.8	5396.2
Std. Dev.	813	26.3	8.6	11.6	47.4	61.9	1694
Avg + 2 sigma	4185	128	35.2	43.8	206	271	8785
Avg + 3 sigma	4998	155	43.8	55.4	253	332	10479
Avg + 4 sigma	5811	181	52.3	66.9	301	394	12173
Avg + 5 sigma	6623	207	60.9	78.5	348	456	13868

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 4686

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2686	93	16.5	19.4	113	152	5656
Std. Dev.	350	18	4.75	5.51	21.3	27.8	726
Median	2728	94	16.0	19.0	114	153	5749
Shift (Avg. - Median)	-42	-1	0.495	0.397	-0.94	-1.26	-93
Shift/Std. Dev.	-12%	-4%	10%	7%	-4%	-5%	-13%
Coeff. of Variation	13.0%	20%	28.7%	28.3%	18.8%	18.3%	12.8%
Predicted CoV	1.93%	10.35%	24.6%	22.7%	9.40%	8.11%	1.33%
Avg. +2 sigma	3386	130	26.0	30.5	156	208	7107
Avg. +3 sigma	3735	149	30.8	36.0	177	236	7832
Avg. + 4 sigma	4085	167	35.5	41.5	198	263	8558
Avg. + 5 sigma	4435	186	40.3	47.0	220	291	9284
Avg. + 6 sigma	4785	204	45.0	52.5	241	319	10009
Min. Count	1335	24.0	1.0	2.0	34.1	48.1	2850
Max. Count	3683	160	36.1	47.1	181	238	7793
(Max-Min)/Std. Dev.	6.7	7.4	7.4	8.2	6.9	6.8	6.8

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.4	1.97	3.30
Std.Dev. Activity	0.96	0.565	0.621
Avg. +2 sigma	9.3	3.10	4.55
Avg. +3 sigma	10.3	3.66	5.17
Min. Activity	3.68	0.119	0.99
Max. Activity	10.2	4.29	5.29

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2679	92.3	16.1	19.0	112.2	150.9	5639.8
Std. Dev.	342	17.3	4.3	5.0	20.2	26.7	710
Avg + 2 sigma	3364	127	24.7	29.1	153	204	7060
Avg + 3 sigma	3706	144	29.0	34.1	173	231	7769
Avg + 4 sigma	4049	161	33.3	39.2	193	258	8479
Avg + 5 sigma	4391	179	37.6	44.2	213	284	9189

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 4925

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2544	72	16.6	19.9	104	140	5365
Std. Dev.	562	24	6.17	7.77	31.8	41.7	1170
Median	2695	77	17.0	20.0	109	147	5680
Shift (Avg. - Median)	-151	-5	-0.386	-0.146	-4.78	-7.60	-314
Shift/Std. Dev.	-27%	-21%	-6%	-2%	-15%	-18%	-27%
Coeff. of Variation	22.1%	34%	37.1%	39.0%	30.4%	29.9%	21.8%
Predicted CoV	1.98%	11.79%	24.5%	22.4%	9.78%	8.46%	1.37%
Avg. +2 sigma	3669	121	29.0	35.4	168	223	7705
Avg. +3 sigma	4231	145	35.2	43.2	200	265	8874
Avg. + 4 sigma	4794	169	41.3	51.0	232	307	10044
Avg. + 5 sigma	5356	193	47.5	58.7	263	348	11214
Avg. + 6 sigma	5919	218	53.7	66.5	295	390	12384
Min. Count	1178	11.0	1.0	1.0	22.0	31.1	2533
Max. Count	4253	134	44.1	50.1	217	285	8916
(Max-Min)/Std. Dev.	5.5	5.1	7.0	6.3	6.1	6.1	5.5

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.0	1.98	3.05
Std.Dev. Activity	1.55	0.734	0.927
Avg. +2 sigma	10.1	3.45	4.90
Avg. +3 sigma	11.7	4.18	5.83
Min. Activity	3.25	0.119	0.64
Max. Activity	11.7	5.25	6.32

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2524	71.9	16.2	19.3	103.0	138.1	5322.7
Std. Dev.	543	24.2	5.6	7.0	30.2	40.1	1129
Avg + 2 sigma	3611	120	27.4	33.3	163	218	7581
Avg + 3 sigma	4154	144	33.0	40.2	194	258	8710
Avg + 4 sigma	4697	169	38.6	47.2	224	298	9839
Avg + 5 sigma	5241	193	44.2	54.2	254	338	10969

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 1087

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2797	117	17.2	20.2	119	160	5881
Std. Dev.	364	22	5.01	5.39	21.1	27.7	753
Median	2728	115	17.0	20.0	116	156	5734
Shift (Avg. - Median)	69	2	0.149	0.177	2.53	3.22	147
Shift/Std. Dev.	19%	10%	3%	3%	12%	12%	20%
Coeff. of Variation	13.0%	19%	29.1%	26.7%	17.7%	17.4%	12.8%
Predicted CoV	1.89%	9.23%	24.1%	22.2%	9.17%	7.92%	1.30%
Avg. +2 sigma	3526	161	27.2	31.0	161	215	7388
Avg. +3 sigma	3890	183	32.2	36.4	182	243	8142
Avg. + 4 sigma	4254	205	37.2	41.8	203	270	8895
Avg. + 5 sigma	4618	227	42.2	47.2	224	298	9649
Avg. + 6 sigma	4982	249	47.2	52.6	245	326	10402
Min. Count	1816	38.1	4.0	6.0	60.1	80.2	3859
Max. Count	3630	184	39.1	39.1	189	240	7623
(Max-Min)/Std. Dev.	5.0	6.7	7.0	6.1	6.1	5.8	5.0

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.7	2.04	3.46
Std.Dev. Activity	1.00	0.596	0.615
Avg. +2 sigma	9.7	3.24	4.69
Avg. +3 sigma	10.7	3.83	5.31
Min. Activity	5.01	0.477	1.75
Max. Activity	10.0	4.65	5.53

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2786	115.8	16.7	19.7	117.0	157.1	5854.7
Std. Dev.	354	20.2	4.5	4.8	19.1	25.1	731
Avg + 2 sigma	3495	156	25.7	29.2	155	207	7316
Avg + 3 sigma	3849	176	30.2	34.0	174	232	8047
Avg + 4 sigma	4204	197	34.6	38.7	194	258	8778
Avg + 5 sigma	4558	217	39.1	43.5	213	283	9509

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2380

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2136	70	13.3	16.2	88	118	4511
Std. Dev.	185	11	4.09	4.59	13.4	16.8	386
Median	2101	69	13.0	16.0	87	117	4438
Shift (Avg. - Median)	35	1	0.262	0.196	0.91	1.01	72
Shift/Std. Dev.	19%	5%	6%	4%	7%	6%	19%
Coeff. of Variation	8.7%	16%	30.8%	28.3%	15.2%	14.2%	8.6%
Predicted CoV	2.16%	11.97%	27.4%	24.8%	10.65%	9.20%	1.49%
Avg. +2 sigma	2506	93	21.5	25.4	115	152	5282
Avg. +3 sigma	2691	104	25.6	30.0	128	169	5668
Avg. + 4 sigma	2876	115	29.7	34.6	142	185	6053
Avg. + 5 sigma	3061	127	33.8	39.2	155	202	6439
Avg. + 6 sigma	3246	138	37.8	43.8	168	219	6825
Min. Count	1465	34.1	3.0	3.0	42.1	60.1	3130
Max. Count	2872	134	28.1	37.1	144	184	6065
(Max-Min)/Std. Dev.	7.6	8.8	6.1	7.4	7.7	7.4	7.6

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	5.9	1.58	2.57
Std.Dev. Activity	0.51	0.487	0.390
Avg. +2 sigma	6.9	2.56	3.35
Avg. +3 sigma	7.4	3.04	3.74
Min. Activity	4.04	0.358	1.23
Max. Activity	7.9	3.34	4.21

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2114	69	13.0	15.9	87	117	4466
Std. Dev.	157.5	10.1	3.74	4.21	12.2	14.9	330
Avg + 2 sigma	2429	89	20.5	24.3	111	147	5126
Avg + 3 sigma	2587	99	24.2	28.5	124	161	5456
Avg + 4 sigma	2744	109	27.9	32.8	136	176	5786
Avg + 5 sigma	2902	119	31.7	37.0	148	191	6116

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2963

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2199	67	14.0	17.2	89	120	4646
Std. Dev.	216	14	4.08	4.71	14.3	18.2	450
Median	2173	65	14.0	17.0	88	118	4593
Shift (Avg. - Median)	26	2	-0.057	0.194	1.17	1.49	54
Shift/Std. Dev.	12%	12%	-1%	4%	8%	8%	12%
Coeff. of Variation	9.8%	21%	29.2%	27.4%	16.0%	15.2%	9.7%
Predicted CoV	2.13%	12.23%	26.8%	24.1%	10.58%	9.14%	1.47%
Avg. +2 sigma	2632	96	22.1	26.7	118	156	5546
Avg. +3 sigma	2849	110	26.2	31.4	132	174	5996
Avg. + 4 sigma	3065	124	30.3	36.1	147	193	6446
Avg. + 5 sigma	3282	139	34.4	40.8	161	211	6896
Avg. + 6 sigma	3498	153	38.4	45.5	175	229	7346
Min. Count	1655	33.1	2.0	4.0	47.1	71.1	3521
Max. Count	3222	147	32.1	35.1	151	202	6801
(Max-Min)/Std. Dev.	7.2	8.0	7.4	6.6	7.3	7.2	7.3

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.1	1.66	2.61
Std.Dev. Activity	0.60	0.485	0.418
Avg. +2 sigma	7.3	2.63	3.44
Avg. +3 sigma	7.9	3.12	3.86
Min. Activity	4.57	0.238	1.37
Max. Activity	8.9	3.82	4.41

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2170	64.9	13.7	16.8	88.0	117.9	4585.9
Std. Dev.	181	10.9	3.7	4.2	12.6	16.0	376
Avg + 2 sigma	2531	87	21.0	25.3	113	150	5338
Avg + 3 sigma	2712	98	24.6	29.6	126	166	5714
Avg + 4 sigma	2892	109	28.3	33.8	138	182	6090
Avg + 5 sigma	3073	119	32.0	38.1	151	198	6466

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3600

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2395	71	15.4	19.0	97	131	5052
Std. Dev.	456	18	5.76	6.79	26.1	34.5	949
Median	2372	70	15.0	18.0	95	128	5003
Shift (Avg. - Median)	23	1	0.337	0.989	2.24	2.61	50
Shift/Std. Dev.	5%	7%	6%	15%	9%	8%	5%
Coeff. of Variation	19.1%	25%	37.5%	35.7%	26.8%	26.3%	18.8%
Predicted CoV	2.04%	11.84%	25.5%	22.9%	10.13%	8.74%	1.41%
Avg. +2 sigma	3307	107	26.9	32.6	150	200	6950
Avg. +3 sigma	3763	124	32.6	39.4	176	234	7898
Avg. + 4 sigma	4220	142	38.4	46.2	202	269	8847
Avg. + 5 sigma	4676	160	44.2	53.0	228	303	9796
Avg. + 6 sigma	5132	178	49.9	59.8	254	338	10744
Min. Count	1550	27.1	1.0	4.0	40.1	57.1	3296
Max. Count	3941	158	45.1	46.1	187	257	8255
(Max-Min)/Std. Dev.	5.2	7.4	7.7	6.2	5.6	5.8	5.2

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.6	1.83	2.84
Std.Dev. Activity	1.26	0.685	0.761
Avg. +2 sigma	9.1	3.20	4.37
Avg. +3 sigma	10.4	3.88	5.13
Min. Activity	4.28	0.119	1.17
Max. Activity	10.9	5.37	5.44

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2348	69.9	14.8	18.4	95.1	127.8	4954.1
Std. Dev.	404	15.9	5.0	5.9	23.5	31.1	838
Avg + 2 sigma	3155	102	24.8	30.2	142	190	6630
Avg + 3 sigma	3559	118	29.8	36.2	166	221	7469
Avg + 4 sigma	3963	134	34.9	42.1	189	252	8307
Avg + 5 sigma	4367	149	39.9	48.1	213	283	9145

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 1841

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2745	103	16.7	20.1	116	156	5772
Std. Dev.	534	30	5.52	6.35	29.6	39.6	1106
Median	2955	106	17.0	20.0	122	164	6211
Shift (Avg. - Median)	-210	-4	-0.307	0.032	-6.50	-8.24	-439
Shift/Std. Dev.	-39%	-13%	-6%	1%	-22%	-21%	-40%
Coeff. of Variation	19.5%	29%	33.0%	31.6%	25.6%	25.4%	19.2%
Predicted CoV	1.91%	9.87%	24.5%	22.3%	9.30%	8.00%	1.32%
Avg. +2 sigma	3814	162	27.8	32.8	175	235	7985
Avg. +3 sigma	4349	191	33.3	39.1	205	275	9091
Avg. + 4 sigma	4883	221	38.8	45.5	234	315	10197
Avg. + 5 sigma	5418	250	44.3	51.8	264	354	11304
Avg. + 6 sigma	5952	280	49.9	58.2	293	394	12410
Min. Count	1663	36.1	3.0	3.0	45.1	66.1	3515
Max. Count	3819	189	35.1	41.1	192	257	7950
(Max-Min)/Std. Dev.	4.0	5.2	5.8	6.0	5.0	4.8	4.0

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.6	1.99	3.38
Std.Dev. Activity	1.47	0.657	0.863
Avg. +2 sigma	10.5	3.30	5.10
Avg. +3 sigma	12.0	3.96	5.97
Min. Activity	4.59	0.358	1.32
Max. Activity	10.5	4.17	5.61

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2745	102.0	16.4	19.7	115.4	155.6	5771.9
Std. Dev.	534	29.0	5.2	6.0	29.2	39.1	1106
Avg + 2 sigma	3813	160	26.7	31.6	174	234	7985
Avg + 3 sigma	4347	189	31.9	37.6	203	273	9091
Avg + 4 sigma	4881	218	37.1	43.6	232	312	10197
Avg + 5 sigma	5415	247	42.3	49.6	262	351	11304

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 2137

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2121	74	12.0	14.2	84	113	4475
Std. Dev.	467	25	4.70	5.65	25.5	34.3	966
Median	2024	70	11.0	14.0	80	108	4275
Shift (Avg. - Median)	97	4	0.936	0.189	3.78	5.03	200
Shift/Std. Dev.	21%	16%	20%	3%	15%	15%	21%
Coeff. of Variation	22.0%	34%	39.3%	39.7%	30.4%	30.3%	21.6%
Predicted CoV	2.17%	11.61%	28.9%	26.5%	10.91%	9.40%	1.49%
Avg. +2 sigma	3056	124	21.4	25.5	135	182	6407
Avg. +3 sigma	3523	149	26.1	31.2	161	216	7373
Avg. + 4 sigma	3990	174	30.8	36.8	186	251	8338
Avg. + 5 sigma	4457	198	35.5	42.5	212	285	9304
Avg. + 6 sigma	4924	223	40.2	48.1	237	319	10270
Min. Count	1225	17.0	1.0	2.0	29.1	39.1	2624
Max. Count	3473	173	30.1	36.1	163	219	7266
(Max-Min)/Std. Dev.	4.8	6.3	6.2	6.0	5.3	5.3	4.8

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	5.9	1.42	2.45
Std.Dev. Activity	1.29	0.559	0.744
Avg. +2 sigma	8.4	2.54	3.94
Avg. +3 sigma	9.7	3.10	4.68
Min. Activity	3.38	0.119	0.85
Max. Activity	9.6	3.58	4.76

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2092	71.5	11.5	13.7	81.9	110.5	4415.5
Std. Dev.	438	21.6	4.2	5.0	23.3	31.4	907
Avg + 2 sigma	2967	115	19.9	23.7	129	173	6229
Avg + 3 sigma	3405	136	24.1	28.7	152	205	7136
Avg + 4 sigma	3842	158	28.2	33.7	175	236	8043
Avg + 5 sigma	4280	180	32.4	38.7	199	268	8950

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 4474

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2496	82	15.7	18.6	104	140	5257
Std. Dev.	518	25	5.61	6.45	29.0	38.0	1074
Median	2479	81	15.0	18.0	103	138	5221
Shift (Avg. - Median)	18	1	0.654	0.578	1.28	1.52	35
Shift/Std. Dev.	3%	4%	12%	9%	4%	4%	3%
Coeff. of Variation	20.7%	30%	35.7%	34.6%	27.7%	27.2%	20.4%
Predicted CoV	2.00%	11.06%	25.2%	23.2%	9.78%	8.46%	1.38%
Avg. +2 sigma	3532	131	26.9	31.5	162	216	7405
Avg. +3 sigma	4049	155	32.5	38.0	191	254	8478
Avg. + 4 sigma	4567	180	38.1	44.4	220	292	9552
Avg. + 5 sigma	5084	204	43.7	50.8	249	330	10626
Avg. + 6 sigma	5602	229	49.3	57.3	278	368	11700
Min. Count	1383	21.0	2.0	2.0	34.1	49.1	2947
Max. Count	3854	179	41.1	43.1	198	260	8074
(Max-Min)/Std. Dev.	4.8	6.5	7.0	6.4	5.7	5.5	4.8

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.9	1.87	3.05
Std.Dev. Activity	1.43	0.667	0.845
Avg. +2 sigma	9.7	3.20	4.74
Avg. +3 sigma	11.2	3.87	5.58
Min. Activity	3.81	0.238	0.99
Max. Activity	10.6	4.89	5.79

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2473	80.2	15.2	18.2	102.8	137.6	5208.9
Std. Dev.	496	22.8	5.0	5.9	27.2	35.8	1030
Avg + 2 sigma	3465	126	25.1	29.9	157	209	7268
Avg + 3 sigma	3961	148	30.1	35.8	184	245	8298
Avg + 4 sigma	4456	171	35.1	41.7	212	281	9328
Avg + 5 sigma	4952	194	40.1	47.6	239	317	10357

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 3170

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2603	93	16.0	17.9	109	146	5475
Std. Dev.	471	25	5.22	5.89	26.3	35.1	976
Median	2689	95	16.0	17.0	111	150	5645
Shift (Avg. - Median)	-87	-2	-0.017	0.818	-2.44	-4.16	-170
Shift/Std. Dev.	-18%	-8%	0%	14%	-9%	-12%	-17%
Coeff. of Variation	18.1%	27%	32.6%	33.0%	24.2%	24.0%	17.8%
Predicted CoV	1.96%	10.36%	25.0%	23.7%	9.59%	8.27%	1.35%
Avg. +2 sigma	3546	144	26.5	29.6	161	216	7426
Avg. +3 sigma	4017	169	31.7	35.5	188	252	8402
Avg. + 4 sigma	4489	194	36.9	41.4	214	287	9378
Avg. + 5 sigma	4960	219	42.1	47.3	241	322	10353
Avg. + 6 sigma	5431	244	47.4	53.2	267	357	11329
Min. Count	1542	28.1	2.0	3.0	41.1	48.1	3280
Max. Count	3600	178	34.1	42.1	194	241	7527
(Max-Min)/Std. Dev.	4.4	6.0	6.1	6.6	5.8	5.5	4.4

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	7.2	1.91	3.17
Std.Dev. Activity	1.30	0.622	0.768
Avg. +2 sigma	9.8	3.15	4.71
Avg. +3 sigma	11.1	3.77	5.48
Min. Activity	4.25	0.238	1.20
Max. Activity	9.9	4.06	5.67

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2602	92.4	15.6	17.3	108.2	145.4	5473.2
Std. Dev.	471	24.3	4.8	5.2	25.8	34.5	974
Avg + 2 sigma	3543	141	25.1	27.8	160	214	7422
Avg + 3 sigma	4014	165	29.9	33.1	185	249	8396
Avg + 4 sigma	4485	190	34.6	38.3	211	283	9370
Avg + 5 sigma	4955	214	39.4	43.6	237	318	10344

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.

Number of data points collected: 4453

Table A: Statistical Analysis of Survey Unit Data

All Data [cps] *	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2325	85	13.9	15.2	95	127	4902
Std. Dev.	417	25	4.59	5.26	23.9	31.8	865
Median	2269	80	13.0	15.0	92	123	4788
Shift (Avg. - Median)	55	5	0.823	0.146	2.77	3.88	114
Shift/Std. Dev.	13%	19%	18%	3%	12%	12%	13%
Coeff. of Variation	17.9%	30%	33.2%	34.7%	25.1%	25.0%	17.6%
Predicted CoV	2.07%	10.84%	26.9%	25.7%	10.26%	8.87%	1.43%
Avg. +2 sigma	3159	136	23.0	25.7	143	191	6631
Avg. +3 sigma	3576	162	27.6	31.0	167	222	7495
Avg. + 4 sigma	3993	187	32.2	36.2	190	254	8360
Avg. + 5 sigma	4411	213	36.8	41.5	214	286	9225
Avg. + 6 sigma	4828	238	41.4	46.8	238	318	10089
Min. Count	1478	34.1	2.0	1.0	34.1	49.1	3121
Max. Count	3730	184	35.1	36.1	183	242	7828
(Max-Min)/Std. Dev.	5.4	5.9	7.2	6.7	6.3	6.1	5.4

* All Data" is "Raw Data" + data separated due to GPS acquisition error. All numbers are rounded.

Table B: RS 700 Technical Basis Document Calculations

Radium Activity†	Range(45-1980) [pCi/g]	Ra-226(1764) [pCi/g]	Ra-226(609) [pCi/g]
Eff. [(cps) ⁻¹]	0.00276	0.119	0.0292
Avg. Activity	6.4	1.65	2.77
Std.Dev. Activity	1.15	0.547	0.696
Avg. +2 sigma	8.7	2.74	4.16
Avg. +3 sigma	9.9	3.29	4.86
Min. Activity	4.08	0.238	0.99
Max. Activity	10.3	4.18	5.35

† Radium activity applies to dry soil matrix with neither rocks, nor vegetation. Survey unit data.

Table C: Background Data

Background †† [cps]	<Avg+2 sigma of all data						
	Range(45-1980)	Potassium	Ra-226(1764)	Thorium	Ra-226(609)	Cs-137	Gross
Average	2273	81.4	13.4	14.6	92.3	123.3	4793.7
Std. Dev.	358	20.6	4.0	4.6	20.7	27.1	741
Avg + 2 sigma	2989	123	21.5	23.9	134	178	6276
Avg + 3 sigma	3347	143	25.5	28.5	154	205	7017
Avg + 4 sigma	3705	164	29.6	33.1	175	232	7758
Avg + 5 sigma	4063	184	33.6	37.7	196	259	8499

†† This summary of data from the background file specified in the blue box above is for comparison purposes. See the background analysis pages in the Background Analysis Appendix for details of this background analysis.