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## **NEWS RELEASE**

## APPIA DISCOVERS A NEW ZONE RETURNING 7.58 WT% TREO OVER 8.9 METRES ON THE CRITICAL RARE EARTH ELEMENT ALCES LAKE PROPERTY

TORONTO, ONTARIO, November 5, 2019 - Appia Energy Corp. (the "Company" or "Appia) (CSE:API, OTCQB:APAAF.US, Germany: "A0I.F", "A0I.MU", "A0I.BE") is pleased to announce the assay results from all 44 diamond drill holes of the completed 2019 Summer diamond drilling program (the "Program") on the Alces Lake property (the "Property"), northern Saskatchewan (see Table 1 for all assay results, Figure 1 and Table 2 for drill hole locations).

Appia completed 2,042.1 m in 44 short drill holes, with 40 of those drill holes intersecting the Rare Earth Element ("**REE**") minerals system (the "**System**"), and 19 of those drill holes intersecting high-grade Total Rare Earth Oxides ("**TREO**") reported in Table 1. Individual drill hole highlights include:

- **RI-19-001 (Richard zone)**: 7.575 wt% TREO over 8.9 metres ("**m**") core length starting at 9.8 m down hole depth in a new discovery between the Wilson and Charles surface zones
- **IV-19-012 (Ivan zone)**: 16.059 wt% TREO\* over 15.55\* m core length starting at 8.7 m drill hole depth, including 31.339 wt% TREO over 7.9 m core length starting at 9.7 m down hole depth, which further includes 49.165 wt% TREO over 3.7 m core length at 9.7 m down hole depth (previously reported September 3, 2019)
- IV-19-003 (Ivan zone): 16.100 wt% TREO over 11.65 m core length starting at 10.25 m down hole depth, including 31.04 wt% TREO over 2.7 m core length starting at 13.3 m down hole depth (previously reported July 16, 2019)
- IV-19-013 (Ivan zone): 12.556 wt% TREO over 2.05 m core length at 9.9 m drill hole depth, and 22.457 wt% TREO over 1.8 m core length starting at 22.6 m down hole depth (previously reported September 3, 2019)
- **IV-19-011 (Ivan zone)**: 37.576 wt% TREO over 1.05 m core length at 9.85 m down hole depth (previously reported September 3, 2019).

<sup>\*</sup>This intersection was calculated using 0.1 wt% TREO cutoff. All other reported intervals used 1.0 wt% TREO cutoff.

True thickness has not been determined for each of the intervals mentioned, including those in Table 1.

The reported high-grade TREO intersections are hosted in one mineral, monazite. Coarse-grained monazite on Alces Lake has the potential for relatively easy metallurgical and extraction processes.

Mr. James Sykes, Appia's Vice-President, Exploration and Development, comments: "The Program successfully proved that high-grade REE mineralization continues at depth. This highlights a vast exploration potential for the Property since our exploration efforts to date have been focused on a very small area, tested by mostly shallow drilling to less than 50 m depth, in order to understand the geological and structural controls of the System prior to expanding exploration efforts. To support this idea, we applied our working knowledge of the System in our last drill hole(s) (i.e., RI-19-001 and RI-19-002) and discovered a new high-grade mineralized body beneath the surface; the Richard zone. The Richard zone is important because; i) it proves that our minerals system exploration model works, and ii) the Richard zone might connect the Wilson and Charles zones together beneath the surface which would more than double the surface exposed high-grade mineralized strike length. The Richard zone, and those discovered beneath the Ivan zone (IV-19-012 and IV-19-003, for example), remain open along strike. These numerous discoveries reinforce our belief that the System at Alces Lake is larger and far more extensive than we currently know. We look forward to targeting more high-grade REE zones on the rest of the property".

In the coming weeks, the Company will be initiating academic studies with universities in Europe and North America, to help better understand the origin(s) and source of the System, in particular the high-grade mineralization, and to help focus next season's drilling towards a high-grade root zone of the minerals system. A new report from the University of Saskatchewan on preliminary metallurgical processing of high-grade REE mineralization from the Ivan zone is expected by year's end. Concurrently, the Company will also continue geological modelling of the characteristics of the System. Starting in the New Year, the Company is planning to initiate geophysical modelling of the airborne magnetic and ground gravity data sets in order to define additional targets for the 2020 exploration drill season.

The Alces Lake Property encompasses some of the highest-grade total and critical REE mineralization in the world, hosted within numerous surface and near-surface showings to which the depth extent remains unknown. Critical REEs are defined here as those that are in short-supply and high-demand for use in permanent magnets and modern electronic applications (i.e.: Neodymium (Nd), Praseodymium (Pr) and Dysprosium (Dy)). The project area is 14,334 hectares (35,420 acres) in size and is 100% owned by Appia.

Appia considers "high-grade" REE mineralization to be >1.897 wt% TREO, which represents >75th percentile for global REO deposit grades of advanced stage projects (excluding the Gakara, Steenkampskraal and Mount Weld CLD deposits). The global REO deposit information was derived from publicly available information as of January 31, 2018, from individual company websites, SEDAR technical report filings, and the Technology Metals Research Advanced Rare Earth Projects Index (http://www.techmetalsresearch.com/metrics-indices/tmr-advanced-rare-earth-projects-index/)

All assay results were provided by Saskatchewan Research Council's ("SRC") Geoanalytical Laboratory, an ISO/IEC 17025:2005 (CAN-P-4E) certified laboratory in Saskatoon, SK, for multi-element and REE analysis.

All analytical results reported herein have passed rigorous internal QA/QC review and compilation. The technical content in this news release was reviewed and approved by Dr. Irvine R. Annesley, P.Geo, Advisor to Appia's Board of Directors, and a Qualified Person as defined by National Instrument 43-101.

## **About Appia**

Appia is a Canadian publicly-traded company in the uranium and rare earth element sectors. The Company is currently focusing on delineating high-grade critical rare earth elements ("REE") and uranium on the Alces Lake property, as well as prospecting for high-grade uranium in the prolific Athabasca Basin on its Loranger, North Wollaston, and Eastside properties. The Company holds the surface rights to exploration for 57,048 hectares (140,968 acres) in Saskatchewan.

The Company also has a 100% interest (subject to a 1% Uranium Production Payment Royalty and a 1% Net Smelter Return Royalty on any precious or base metals payable, provided that the price of uranium is greater than US\$130 per pound) in 12,545 hectares (31,000 acres), including rare earth element and uranium deposits over five mineralized zones in the Elliot Lake Camp, Ontario, which historically produced over 300 million pounds of U<sub>3</sub>O<sub>8</sub> and is the only Canadian camp that has had significant rare earth element (yttrium) production. The deposits are largely unconstrained along strike and down dip.

Appia's technical team is directed by James Sykes, who has had direct and indirect involvement with over 550 million lbs. U<sub>3</sub>O<sub>8</sub> being discovered in five deposits in the Athabasca Basin.

Appia has 65.3 million common shares outstanding, 85.2 million shares fully diluted.

Cautionary Note Regarding Forward-Looking Statements: This News Release contains forward-looking statements which are typically preceded by, followed by or including the words "believes", "expects", "anticipates", "estimates", "intends", "plans" or similar expressions. Forward-looking statements are not guarantees of future performance as they involve risks, uncertainties and assumptions. We do not intend and do not assume any obligation to update these forward-looking statements and shareholders are cautioned not to put undue reliance on such statements.

Neither the Canadian Securities Exchange nor its Market Regulator (as that term is defined in the policies of the CSE) accepts responsibility for the adequacy or accuracy of this release.

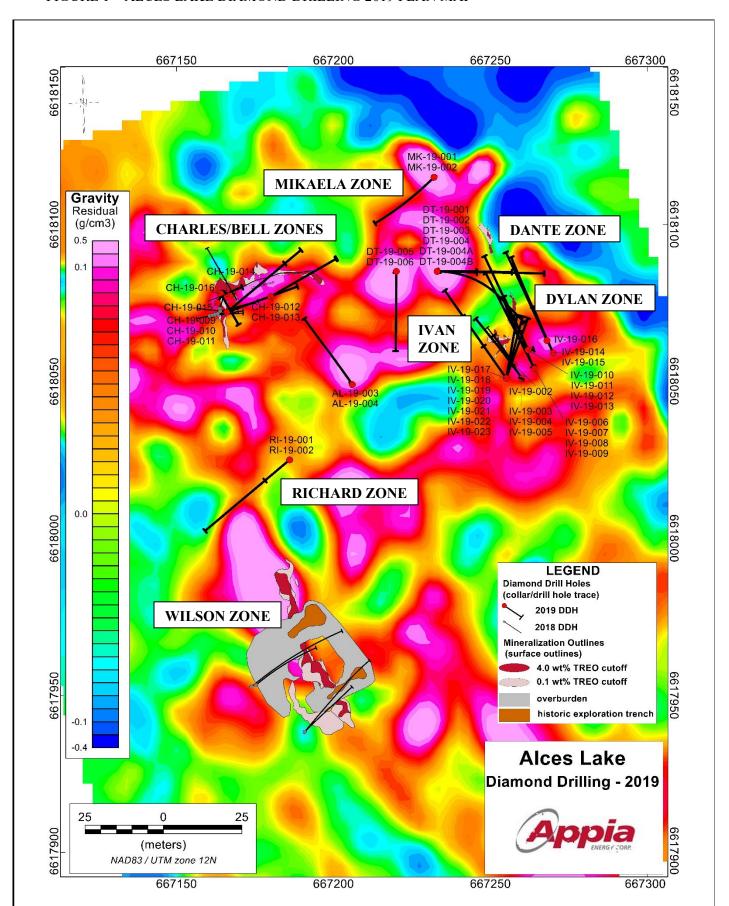
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FIGURE 1 – ALCES LAKE DIAMOND DRILLING 2019 PLAN MAP



## TABLE 1 – LITHOGEOCHEMICAL RESULTS FOR ALL SUMMER 2019 DRILL HOLES

Zone	DDH	From (m)	To (m)	Interval (m)	La₂O₃ (wt%)	CeO₂ (wt%)	Pr <sub>6</sub> O <sub>11</sub> (wt%)	Nd₂O₃ (wt%)	Sm <sub>2</sub> O <sub>3</sub> (wt%)	Eu₂O₃ (wt%)	Gd₂O₃ (wt%)	Tb₄O <sub>7</sub> (wt%)	Dy₂O₃ (wt%)	Ho <sub>2</sub> O <sub>3</sub> (wt%)	Er₂O₃ (wt%)	Yb <sub>2</sub> O <sub>3</sub> (wt%)	Lu₂O₃ (wt%)	Y <sub>2</sub> O <sub>3</sub> (wt%)	ThO₂ (wt%)	U₃O <sub>8</sub> (wt%)	TREO (wt%)	CREO (wt%)
Charles Charles	CH-19-009 CH-19-010	7.60	9.80	2.20	1.809	3.954	0.434	1.500	0.212	0.003	0.095	o.007		0.002	0.003	0.001	0.000	0.047	1.009	0.029	8.085	1.963
Charles	CH-19-010 CH-19-011	7.80	8.80	1.00	0.833	1.865	0.434	0.715	0.212	0.003	0.095	0.007	0.018	0.002	0.003	0.001	0.000	0.047	0.507	0.029	3.813	0.938
Charles	CH-19-011 CH-19-012	9.70	10.10	0.40	0.833	0.654	0.208	0.713	0.101	0.001	0.046	0.004	0.010	0.001	0.002	0.001	0.000	0.027	0.307	0.013	1.405	0.357
Charles	CH-19-012 CH-19-013	9.70	10.10	0.40	0.312	0.054	0.078	0.272	0.036	0.001		ificant Resu		0.001	0.002	0.003	0.000	0.025	0.217	0.005	1.405	0.357
Charles	CH-19-013	0.00	1.30	1.30	2.692	5.844	0.648	2.223	0.310	0.004	0.137	0.011	0.028	0.003	0.005	0.001	0.000	0.072	1.502	0.042	11.978	2.913
Charles	CH-19-015	0.00	0.70	0.70	1.747	3.710	0.408	1.423	0.203	0.003	0.137	0.008	0.023	0.003	0.003	0.001	0.000	0.065	0.915	0.042	7.692	1.864
Charles	CH-19-016	0.00	1.10	1.10	1.010	2.155	0.239	0.824	0.116	0.002	0.052	0.004	0.011	0.001	0.002	0.001	0.000	0.031	0.556	0.016	4.449	1.080
Dante	DT-19-001	0.00	1.10	1.10	1.010	2.133	0.233	0.024	0.110	0.002		ificant Resu		0.001	0.002	0.001	0.000	0.031	0.550	0.010	4.445	1.000
Dante	DT-19-002																					
Dante	DT-19-003	No Significant Results																				
Dante	DT-19-004	16.90	17.70	0.80	3.086	6.713	0.714	2.577	0.357	0.004	0.176	0.013	0.031	0.003	0.004	0.001	0.000	0.080	1.826	0.047	13.758	3.338
Dante	DT-19-004A										No Sign	ificant Resu	lts									
Dante	DT-19-004B	15.90	17.50	1.60	4.122	9.092	0.962	3.472	0.487	0.006	0.236	0.017	0.040	0.005	0.005	0.001	0.000	0.104	2.444	0.061	18.550	4.498
Dante	DT-19-005											ificant Resu										
Dante	DT-19-006	No Significant Results																				
Ivan	IV-19-002																					
Reported	July 16, 2019																					
Ivan	IV-19-003	10.25	21.90	11.65	3.55	7.82	0.86	3.08	0.41	0.00	0.22	0.02	0.04	0.00	0.00	0.00	0.00	0.09	2.07	0.05	16.10	4.00
inc	cludes	13.30	16.00	2.70	6.792	15.050	1.673	5.990	0.797	0.009	0.430	0.034	0.071	0.007	0.009	0.001	0.000	0.178	3.900	0.107	31.044	7.777
Ivan	IV-19-004										No Sign	ificant Resu	lts									
Ivan	IV-19-005											ificant Resu										
Ivan	IV-19-006										No Sign	ificant Resu	lts									
Ivan	IV-19-007										No Sign	ificant Resu	lts									
Reported Ser	ptember 3, 2019																					
Ivan	IV-19-008	12.80	13.50	0.70	3.518	7.690	0.859	2.962	0.418	0.005	0.203	0.014	0.038	0.004	0.006	0.001	0.000	0.095	1.980	0.066	15.813	3.877
Ivan	IV-19-009	12.60	13.80	1.20	5.340	11.583	1.278	4.361	0.618	0.008	0.304	0.021	0.055	0.006	0.010	0.002	0.000	0.137	2.992	0.083	23.722	5.723
Ivan	IV-19-010											ificant Resu									-	
Ivan	IV-19-011	9.85	10.90	1.05	8.525	18.210	2.017	6.997	0.977	0.012	0.491	0.033	0.085	0.008	0.014	0.002	0.000	0.205	4.746	0.136	37.576	9.144
Ivan	IV-19-012*	8.70	24.25	15.55	3.653	7.798	0.889	2.946	0.413	0.005	0.205	0.014	0.036	0.004	0.006	0.001	0.000	0.089	2.081	0.054	16.059	3.890
inc	cludes	9.70	17.60	7.90	7.130	15.219	1.735	5.748	0.805	0.010	0.400	0.027	0.071	0.007	0.012	0.002	0.000	0.173	4.058	0.105	31.339	7.591
	cludes	9.70	13.40	3.70	11.233	23.833	2.753	8.996	1.258	0.016	0.626	0.042	0.110	0.011	0.019	0.002	0.001	0.266	6.365	0.164	49.165	11.918
Ivan	IV-19-013	9.90	11.95	2.05	2.753	6.121	0.685	2.360	0.338	0.004	0.169	0.011	0.031	0.003	0.005	0.001	0.000	0.075	1.653	0.042	12.556	3.091
	and	22.60	24.40	1.80	5.031	10.985	1.203	4.148	0.579	0.007	0.290	0.020	0.051	0.005	0.009	0.001	0.000	0.127	2.886	0.073	22.457	5.430
Ivan	IV-19-014										No Sign	ificant Resu	lts									
Ivan	IV-19-015											ificant Resu										
Ivan	IV-19-016											ificant Resu										
Ivan	IV-19-017											ificant Resu										
Ivan	IV-19-018										No Sign	ificant Resu	lts									
Ivan	IV-19-019	5.50	5.80	0.30	4.070	8.623	0.939	3.241	0.455	0.006	0.211	0.016	0.042	0.004	0.007	0.001	0.000	0.104	2.253	0.103	17.719	4.244
Ivan	IV-19-020	24.10	25.05	0.95	8.007	16.667	1.803	6.257	0.858	0.011	0.388	0.030	0.078	0.008	0.013	0.002	0.001	0.197	4.387	0.108	34.318	8.178
Ivan	IV-19-021	14.80	15.10	0.30	2.264	5.245	0.581	2.017	0.281	0.004	0.125	0.010	0.027	0.003	0.004	0.001	0.000	0.065	1.309	0.033	10.625	2.639
Ivan	IV-19-022	15.20	17.80	2.60	1.468	3.147	0.337	1.191	0.165	0.002	0.075	0.006	0.016	0.002	0.003	0.001	0.000	0.042	0.801	0.021	6.453	1.552
Ivan	IV-19-023	15.75	17.45	1.70	4.140	8.857	0.958	3.309	0.465	0.006	0.201	0.016	0.041	0.004	0.007	0.001	0.000	0.104	2.172	0.062	18.109	4.330
Mikaela	MK-19-001										No Sign	ificant Resu	lts				-	-				
Mikaela	MK-19-002	No Significant Results																				
Richard	RI-19-001	9.80	18.70	8.90	1.701	3.667	0.408	1.405	0.198	0.003	0.091	0.008	0.022	0.003	0.004	0.001	0.000	0.065	1.012	0.028	7.575	1.845
Richard	RI-19-002										No Sign	ificant Resu	lts									

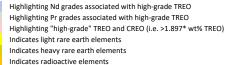
Regional	AL-19-003	No Significant Results
Regional	AL-19-004	No Significant Results

The REEs Thulium (Tm) and Promethium (Pm) are not reported because they are both extremely scarce in nature, and Pm forms as a product of spontaneous fission of U-238 TREO = Total Rare Earth Oxide = sum of  $La_2O_3+CeO_2+Pr_6O_{11}+Nd_2O_3+Sm_2O_3+Eu_2O_3+Fd_2O_3+Dd_2O_3+Dd_2O_3+Er_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Yb_2O_3+Lu_2O_3+Vb_2O_3+Lu_2O_3+Vb_2O_3+Lu_2O_3+Vb_2O_3+Lu_2O_3+Vb_2O_3+Lu_2O_3+Vb_2O_3+Lu_2O_3+Vb_2O_3+Lu_2O_3+Ub_2O_3+Lu_2O_3+Ub_2O_3+Lu_2O_3+Ub_2O_3+Ub_2O_3+Lu_2O_3+Ub_2O$ 

CREO = Critical Rare Earth Oxide = sum of  $Pr_6O_{11}+Nd_2O_3+Eu_2O_3+Tb_4O_7+Dy_2O_3$ 

Conditions Used for Reporting Composite Results

- all intervals are reported with cutoff grade = 1.0 wt% TREO, with exception of IV-19-012\* reported with cutoff grade = 0.1 wt% TREO
- maximum internal dilution along drill holes does not exceed 2.0 m consecutively
- drill hole "intervals" are reported as down-hole; true thickness has not been determined



\*Note: >1.897 wt% TREO represents >75th percentile for global REO deposit grades of advanced stage-projects (excluding Gakara, Steenkampskraal and Mount Weld CLD deposits). The global REO deposit information was derived from publicly available information as of January 31, 2018, from individual company websites, SEDAR technical report fillings, and the Technology Metals Research Advanced Rare Earth Projects Index (http://www.techmetalsresearch.com/metrics-indices/tmr-advanced-rare-earth-projects-index/)

TABLE 2 – DRILL HOLE COLLAR LOCATION INFORMATION

DDH	Target Area	Status	Easting (m)	Northing (m)	Elevation (mASL)	Azimuth	Dip	EOH (m)		
AL-19-003	Regional	Complete	667204.9	6618046.5	449.3	360	-90	48.2		
AL-19-004	Regional	Complete	667204.9	6618046.5	449.3	325	-60	48.2		
CH-19-009	Charles	Complete	667168.8	6618073.4	449.9	70	-60	46.3		
CH-19-010	Charles	Complete	667168.7	6618074.5	449.9	50	-60	48.2		
CH-19-011	Charles	Complete	667168.7	6618074.5	449.9	50	-45	43.4		
CH-19-012	Charles	Complete	667178.4	6618077.3	449.2	60	-60	48.2		
CH-19-013	Charles	Complete	667179.6	6618077.7	448.9	60	-45	33.8		
CH-19-014	Charles	Complete	667163.6	6618077.6	449.7	68	-75	20.6		
CH-19-015	Charles	Complete	667165.6	6618078.9	449.8	30	-88	97.2		
CH-19-016	Charles	Complete	667163.9	6618075.9	450.1	150	-80	66.8		
DT-19-001	Dante	Complete	667232.3	6618082.9	449.2	360	-90	48.2		
DT-19-002	Dante	Complete	667232.3	6618082.9	449.2	90	-75	48.2		
DT-19-003	Dante	Complete	667232.3	6618082.9	449.2	90	-60	48.2		
DT-19-004	Dante	Abandoned	667232.3	6618082.9	449.2	90	-45	17.7		
DT-19-004A	Dante	Complete	667232.3	6618082.9	449.2	90	-45	48.2		
DT-19-004B	Dante	Complete	667234.1	6618082.9	449.0	90	-45	32.9		
DT-19-005	Dante	Complete	667223.2	6618081.5	449.2	180	-90	48.2		
DT-19-006	Dante	Complete	667223.2	6618081.5	449.2	180	-60	48.2		
IV-19-002	Ivan	Abandoned	667257.5	6618055.3	455.8	325	-40	14.8		
IV-19-003	Ivan	Complete	667261.1	6618058.8	454.9	325	-60	48.2		
IV-19-004	Ivan	Abandoned	667261.1	6618058.8	454.9	325	-78	26.4		
IV-19-005	Ivan	Complete	667261.1	6618058.8	454.9	360	-90	48.2		
IV-19-006	Ivan	Complete	667264.4	6618053.6	455.3	333	-90	48.2		
IV-19-007	lvan	Complete	667264.4	6618053.6	455.3	333	-75	48.2		
IV-19-008	Ivan	Complete	667264.4	6618053.6	455.3	333	-60	48.2		
IV-19-009	lvan	Complete	667264.4	6618053.6	455.3	333	-45	48.2		
IV-19-010	lvan	Complete	667261.1	6618058.8	454.9	360	-90	80.8		
IV-19-011	Ivan	Complete	667261.1	6618058.8	454.9	335	-75	48.2		
IV-19-012	Ivan	Complete	667261.1	6618058.8	454.9	335	-60	38.1		
IV-19-013	Ivan	Complete	667261.1	6618058.8	454.9	335	-45	46.7		
IV-19-014	Ivan	Complete	667267.9	6618057.9	455.1	335	-70	47.9		
IV-19-015	Ivan	Complete	667267.9	6618057.9	455.1	335	-45	47.9		
IV-19-016	Ivan	Complete	667265.9	6618061.7	454.6	335	-50	48.2		
IV-19-017	Ivan	Complete	667261.0	6618051.4	455.7	325	-90	48.2		
IV-19-018	lvan	Complete	667261.0	6618051.4	455.7	325	-75	47.9		
IV-19-019	Ivan	Complete	667261.0	6618051.4	455.7	325	-60	47.5		
IV-19-020	Ivan	Complete	667261.0	6618051.4	455.7	325	-45	47.8		
IV-19-021	Ivan	Complete	667261.0	6618051.4	455.7	21	-65	35.5		
IV-19-022	Ivan	Complete	667261.0	6618051.4	455.7	15	-65	47.8		
IV-19-023	lvan	Complete	667261.0	6618051.4	455.7	10	-65	35.4		
MK-19-001	Mikaela	Complete	667230.8	6618114.9	440.4	360	-90	47.2		
MK-19-002	Mikaela	Complete	667230.8	6618114.9	440.4	225	-60	48.2		
RI-19-001	Richard	Complete	667185.6	6618024.6	452.4	230	-55	61.8		
RI-19-002	Richard	Complete	667185.6	6618024.6	452.4	230	-70	45.9		
44 DDH Total Metres = 2042.1										

mASL = "metres above sea level"