

Cameco Australia Pty. Ltd.

Beatrice Project EL 24291 - Airborne Radiometric Anomalies - Locations and Descriptions

Beatrice Project EL 26796

Anomaly ID	E_GDA94	N_GDA94	Priority	Year	Indicated Formation	Initial Geophysical Description	TC cps	eK percent	eU ppm	eTh ppm	UU Th
BT09_ARAD_1	302870	8605902	1	2009	Pxn>m	Strong isolated U anomaly 2 km NW of Beatrice situated on NE trending DoI and mapped -Pxn>m	3863	2.09	10.78	11.39	10.20
BT09_ARAD_2	297218	8608415	2	2009	Pxn>m	Strong U anomaly on Beatrice Fault/Dolerite where basement (-Pxn>m) has also been mapped and close to intersection with Bulman Fault and correlates with a mag low	1748	0.16	8.84	4.26	18.36
BT09_ARAD_3	296301	8608204	2	2009	Pxn>m	Strong U anomaly on Beatrice Fault/Dolerite where basement (-Pxn>m) has also been mapped and close to intersection with Bulman Fault, and correlates with a Mag low	1872	0.38	8.27	4.05	16.90
BT09_ARAD_4	303623	8606851	2	2009	Pxn>m	Weak U anomaly 2.7 km NNW of Beatrice possibly proximal to inferred (magnetics) NS structure with -Pxn>m. VTEM inversion suggests conductor 200m to the East and at ~200m depth	1488	0.87	4.77	3.50	6.50
BT09_ARAD_5	307847	8607974	2	2009		Moderate U anomaly possibly related to cover/drainage on NNW structure (mapped and inferred from magnetics - good termination)	2530	0.47	12.00	6.07	23.73
BT09_ARAD_6	299406	8603391	2	2009		Weak U anomaly over sandstone with proximal mapped NW shears and NE inferred fault from the magnetics	1183	0.10	5.16	4.46	5.98
BT09_ARAD_7	292679	8608202	2	2009	Pe and Pxm>2	Moderate U anomaly on Beatrice Fault / Dolerite in sandstone valley proximal to basement outcrop (-Pe and Pxm>2)	1522	0.34	7.61	3.48	16.64
BT09_ARAD_8	313053	8597299	2	2009	Phe	Moderate UU/Th anomaly associated with a NW/SE trending U/Umean anomaly, Located within sandstone, possible exposure of regolith.	1563	0.25	6.08	5.74	6.44
BT09_ARAD_9	308356	8607431	3	2009		Strong U anomaly possibly related to cover/drainage on NNW structure (mapped and inferred from magnetics)	4696	1.45	19.66	10.24	37.73
BT09_ARAD_10	309632	8607868	3	2009		Strong U anomaly possibly related to cover/drainage	4562	1.62	19.61	8.68	44.34
BT09_ARAD_11	315515	8608905	3	2009	Pxn	Isolated strong U anomaly on Beatrice Fault with mapped NS fault (small offset?). Located on - Pxn with sandstone edge (also -Pkk 700m to the east and -Pe? 1 km to the west)	2187	0.44	10.35	7.08	15.12
BT09_ARAD_12	313607	8608698	3	2009	Pxn>m	Isolated moderate U anomaly on Beatrice Fault with -Pxn>m (-Pe? 1 km to the ESE)	2410	0.57	9.11	7.87	10.53
BT09_ARAD_13	308350	8594949	3	2009	Phe	Weak U anomaly over sandstone and proximal to NW structure / dolerite	1013	0.11	4.66	2.68	8.12
BT09_ARAD_14	305352	8608799	3	2009	Pxn>m	Moderate U anomaly on Beatrice fault with mapped -Pxn>m (appears to be associated with rise in both K and Th	2551	0.69	10.09	8.17	12.48
BT09_ARAD_15	306452	8594292	4	2009	Pdo	Weak U anomaly in valley of weathered dolerite on NW fault from mapping and inferred from magnetics	803	0.41	4.25	2.09	8.62
BT09_ARAD_16	306921	8594188	4	2009	Pdo	Weak U anomaly in valley of weathered Dolerite on NS structure (mapping and magnetics)	642	0.34	3.23	1.85	5.64
BT09_ARAD_17	307185	8594094	4	2009	Pdo	Weak U anomaly in valley of weathered dolerite	966	0.48	3.95	2.03	7.67
BT09_ARAD_18	320892	8595099	4	2009		U/Umean, UU/Th anomaly located in Cainozoic terrain	2367	0.56	11.02	5.86	20.74
BT09_ARAD_19	320595	8596706	4	2009	Pdo	U/Umean and weak U/Th anomaly in a Dolerite terrain	1255	0.39	5.18	3.96	6.78
BT09_ARAD_20	293537	8592103	1	2009	Pdo	Strong U anomaly located over sandstone possibly associated with Dolerite	2185	0.17	12.56	1.83	86.06
BT09_ARAD_21	292868	8592502	1	2009	Pdo	Strong U anomaly located over sandstone possibly associated with Dolerite	2912	0.15	15.87	4.38	57.53
BT09_ARAD_22	291284	8592900	2	2009	Pdo	Moderate U anomaly located over sandstone possibly associated with Dolerite	2273	0.21	11.60	3.95	34.05
BT09_Violet_ARAD_01	292019	8608042	1	2009		The strongest U and UU/Th anomaly in the Violet Survey. This anomaly is part of a larger radiometric anomaly that appears to be related to two smaller anomalies to the East.	3945	0.45	17.66	4.48	69.59
BT09_Violet_ARAD_02	292034	8608067	1	2009		A member of the largest radiometric anomaly in the survey area. Coincident with a possible dolerite intrusion, as seen in the magnetics, and also coincident with a small VTEM conductor. May also be related to a TEMPEST conductor seen 200 meters to the Wes	3203	0.49	13.60	2.71	68.30
BT09_Violet_ARAD_03	292065	8608094	1	2009		"	2455	0.39	11.37	2.18	59.17
BT09_Violet_ARAD_04	292061	8608117	1	2009		"	2413	0.44	10.89	2.05	58.03
BT09_Violet_ARAD_05	292076	8608146	1	2009		"	1638	0.08	7.99	1.63	39.05
BT09_Violet_ARAD_06	292090	8608170	1	2009		"	1276	0.13	5.16	1.98	13.46
BT09_Violet_ARAD_07	292244	8608095	1	2009		Located close to the Primary Beatrice Fault and coincident with a distinct magnetic feature	3224	0.94	13.11	2.80	61.49
BT09_Violet_ARAD_08	292251	8608118	1	2009		"	2893	0.82	11.52	2.74	48.52
BT09_Violet_ARAD_09	292648	8608192	1	2009		Located six hundred meters west of the primary anomaly, this was the area where minealization was first observed.	2444	0.16	10.82	3.73	31.39
BT09_Violet_ARAD_10	292658	8608222	1	2009		"	1603	0.23	6.32	2.49	16.07
BT09_Violet_ARAD_11	292668	8608244	1	2009		"	1039	0.11	4.52	1.58	12.93
BT09_Violet_ARAD_12	292682	8608168	1	2009		"	1888	0.49	7.86	-0.13	-494.74
BT09_Violet_ARAD_13	292643	8608141	1	2009		"	1549	0.49	4.63	3.12	6.88
BT09_Violet_ARAD_14	292805	8608170	1	2009		Moderate U and UU/Th anomaly located 750 meters west of the primary anomaly.	1364	0.29	4.34	1.65	11.46
BT09_Violet_ARAD_15	291760	8608143	1	2009		One of a series of U anomalies leading away from primary anomaly. Shape of U trend suggests an association with bedding.	1441	0.18	6.26	1.67	23.47
BT09_Violet_ARAD_16	291607	8608143	1	2009		"	1229	0.10	5.26	1.46	18.98
BT09_Violet_ARAD_17	291546	8608189	1	2009		"	1105	0.06	5.20	0.74	36.54

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BT09_Violet_ARAD_18	291396	8608140	1	2009		"	1080	0.24	5.09	0.05	564.28
BT09_Violet_ARAD_19	291872	8607842	1	2009		This Anomaly is located along a U trend that trends southwest from the main anomaly. The trend appears to follow a structural trend.	1786	0.16	3.95	9.78	1.60
BT09_Violet_ARAD_20	294017	8608442	2	2009		One of a series of U anomalies located within the valley east of the known mineralization, possibly caused by weathering.	1205	0.14	4.25	2.54	7.12
BT09_Violet_ARAD_21	293750	8608391	2	2009		"	1221	0.12	4.01	1.92	8.38
BT09_Violet_ARAD_22	293736	8608418	2	2009		"	1078	0.02	4.16	2.88	5.99
BT09_Violet_ARAD_23	293619	8608345	2	2009		"	1145	0.05	4.76	3.02	7.53
BT09_Violet_ARAD_24	293542	8608193	2	2009		"	1211	0.16	4.42	1.79	10.92
BT09_Violet_ARAD_25	293238	8608168	2	2009		"	1185	0.07	3.86	3.37	4.42
BT09_Violet_ARAD_26	293306	8608270	2	2009		"	1230	0.09	4.46	2.51	7.92
BT09_Violet_ARAD_27	293165	8608370	2	2009		"	811	-0.13	3.84	1.44	10.28
BT09_Violet_ARAD_28	292899	8608519	2	2009		A series of U anomalies in an adjacent valley on north side of the Beatrice fault.	513	-0.09	2.50	1.48	4.22
BT09_Violet_ARAD_29	292831	8608668	2	2009		"	454	0.07	2.22	-0.32	-15.34
BT09_Violet_ARAD_30	292731	8608947	2	2009		"	378	-0.06	2.12	0.41	10.86
BT09_Violet_ARAD_31	292476	8608789	2	2009		"	473	-0.09	2.71	0.35	20.78
BT09_Violet_ARAD_32	292568	8608819	2	2009		"	548	0.04	2.33	0.79	6.85
BT09_Violet_ARAD_33	290839	8608163	3	2009		One of a series of U anomalies located in an area mapped as dolerite	1248	0.13	4.54	1.24	16.58
BT09_Violet_ARAD_34	290604	8607998	3	2009		"	1205	0.22	4.54	1.16	17.84
BT09_Violet_ARAD_35	290522	8607710	3	2009		"	1197	0.26	4.25	2.04	8.82
BT09_Violet_ARAD_36	290596	8607465	3	2009		"	971	0.11	3.14	2.62	3.77
BT09_Violet_ARAD_37	291357	8607591	3	2009		One of a series of U anomalies located in mapped sandstone above suspected dolerite intrusion	1582	0.07	3.93	8.77	1.76
BT09_Violet_ARAD_38	291100	8607766	3	2009		"	1427	0.24	3.00	7.76	1.16
BT09_Violet_ARAD_39	291181	8607592	3	2009		"	1644	0.23	2.66	9.60	0.74
BT09_Violet_ARAD_40	291458	8607565	3	2009		"	1791	0.09	2.69	12.90	0.56
BT09_Violet_ARAD_41	291472	8607346	3	2009		"	726	0.03	2.43	2.61	2.27
BT09_Violet_ARAD_42	290769	8607315	3	2009		"	732	0.16	2.16	1.79	2.61
BT09_Violet_ARAD_43	290888	8607292	3	2009		"	763	0.06	2.29	2.40	2.18
BT09_Violet_ARAD_44	290981	8607290	3	2009		"	864	0.08	2.20	3.46	1.39
BT09_Violet_ARAD_45	292290	8607567	3	2009		A Series of U anomalies located in sandstone south east of known mineralization.	957	0.14	2.12	4.87	0.93
BT09_Violet_ARAD_46	292376	8607494	3	2009		"	1032	0.48	2.40	2.39	2.42
BT09_Violet_ARAD_47	292574	8607418	3	2009		"	746	0.10	2.40	2.38	2.42
BT09_Violet_ARAD_48	292637	8607567	3	2009		"	1218	0.21	2.39	5.72	1.00
BT09_Violet_ARAD_49	292775	8607592	3	2009		"	835	0.08	2.43	3.54	1.66
BT09_Violet_ARAD_50	292811	8607366	3	2009		"	497	0.06	1.93	1.27	2.95
BT09_Violet_ARAD_51	292638	8607317	3	2009		"	484	0.04	1.85	0.38	9.12
BT09_Violet_ARAD_52	293201	8607395	3	2009		"	623	-0.06	2.30	1.10	4.81
BT09_Violet_ARAD_53	292953	8607646	3	2009		"	1073	0.21	2.39	4.22	1.35
BT09_Violet_ARAD_54	293004	8607696	3	2009		"	1063	0.33	2.88	3.14	2.65
BT09_Violet_ARAD_55	293171	8607892	3	2009		"	1015	0.29	2.67	3.29	2.17
BT09_Violet_ARAD_56	293247	8607696	3	2009		"	899	0.32	2.19	2.41	1.99
BT09_Violet_ARAD_57	293633	8607964	3	2009		"	1529	0.47	3.08	5.29	1.79
BT09_Violet_ARAD_58	293393	8607869	3	2009		"	1169	0.46	2.53	3.39	1.89
BT09_Violet_ARAD_59	292047	8608897	4	2009		A series of weak U anomalies located in Sandstone north of the Beatrice Fault	395	-0.02	2.08	-0.05	-80.11
BT09_Violet_ARAD_60	291570	8608792	4	2009		"	424	0.01	1.95	0.53	7.19
BT09_Violet_ARAD_61	291467	8608815	4	2009		"	357	-0.05	1.97	-0.03	-125.10
BT09_Violet_ARAD_62	291415	8608894	4	2009		"	388	-0.14	2.43	0.47	12.52
BT09_Violet_ARAD_63	291195	8608716	4	2009		"	461	0.04	2.03	1.09	3.77
BT09_Violet_ARAD_64	291129	8608766	4	2009		"	447	-0.02	1.86	0.44	7.85
BT09_Violet_ARAD_65	290581	8608968	4	2009		"	446	0.02	1.85	1.18	2.89
BT09_Violet_ARAD_66	290867	8608894	4	2009		"	454	-0.05	1.89	1.49	2.39
BT09_Violet_ARAD_67	291467	8608815	4	2009		"	357	-0.05	1.97	-0.03	-125.10