

**Cameco Australia Pty. Ltd.**  
**Beatrice EL 24291 - Sample and Mapping Point Structural Measurements**

SAMPLE_NUMBER	E_GDA94	N_GDA94	RL_m	Rock_type	Formation	Element_Type	Type	Inclination	Dip_Direction	Strike	Comments
BT080001	302350.46	8602907.65	51	SDST	Phe2	Planar	Bedding	-5	230		Bedding laminated. Centimeter-scale beds.
BT080003	302089.46	8605549.63	99	GNIS	Pxn	Planar	Foliation				Moderately-strongly foliated.
BT080004	304098.45	8604821.63	70	GNIS	Pxn	Planar	Quartz veining				Quartz veined. Extensional systems.
BT080007	313969.37	8604170.63	242	GNIS	Pxn	Planar	Foliation	-40	120		Multiply cleaved
BT080007	313969.37	8604170.63	242	GNIS	Pxn	Planar	Foliation	-25	130		Multiply cleaved
BT080008	313969.37	8604170.63	242	SDST	Phe1	Planar	Cross-bedding				Some cross-bedding.
BT080008	313969.37	8604170.63	242	SDST	Phe1	Planar	Contact	-5	110		Unconformity contact.
BT080009	313880.37	8604038.62	227	GNIS	Pxn	Planar	Foliation				Weak foliation.
BT080010	317427.34	8603154.64	278	SDST	Phe	Planar	Bedding	-10	115		Laminated beds.
BT080011	316381.36	8602430.64	99	GRAN	Pgt	Planar	Foliation				Variably foliated.
BT080012	304246.45	8604218.64	55	OZBX	Pxn	Planar	Quartz breccia	-75	320		Quartz breccia.
BT080014	304314.45	8604270.64	69	GRAN	Pxn	Planar	Quartz veining				Quartz veined.
BT080015	304478.45	8604470.64	70	GRDT	Pxn	Planar	Foliation				Foliated
BT080016	313833.38	8602449.64	42	GRAN	Pxn1	Planar	Foliation				Weakly foliated.
BT080017	313711.37	8602301.64	196	GNIS	Pxn	Planar	Foliation				Highly foliated.
BT080018	311699.4	8608044.6	67	GNIS	Pxn	Planar	Foliation				Strong planar foliation.
BT080019	311700.4	8608045.6	67	GRAN	Pxn1	Planar	Foliation				Poorly foliated.
BT080029	301889.47	8605449.63	108	GNIS	Pxn	Planar	Foliation				Foliated rock.
BT080035	304134.45	8604821.63	80	GRDT	Pxn	Planar	Quartz veining				Quartz veined granodiorite.
BT080036	304147.45	8604786.63	85	GNIS	Pxn	Planar	Foliation				Foliated
BT080037	304221.45	8604717.64	103	GRDT	Pxn	Planar	Foliation				Variably foliated.
BT080039	304296.45	8604798.63	88	GRDT	Pxn	Planar	Quartz veining				Quartz veining
BT080043	313983.38	8604060.63	246	GNIS	Pxn	Planar	Contact				Unconformity contact.
BT080045	315723.36	8607131.6	312	SDST	Phe	Planar	Cross-bedding		125		Minor cross-bedding.
BT080045	315723.36	8607131.6	312	SDST	Phe	Planar	Joint	-85	300		Joints. Parallel to valley.
BT080045	315723.36	8607131.6	312	SDST	Phe	Planar	Bedding	-5			Bedding
BT080047	317644.34	8603109.64	266	SDST	Phe	Planar	Quartz breccia	-10	120		Quartz breccia
BT080047	317644.34	8603109.64	266	SDST	Phe	Planar	Bedding	-10			Bedding
BT080048	304489.45	8604465.64	70	GRAN	Pxn1	Planar	Quartz veining	-85	10		Quartz veining
BT080048	304489.45	8604465.64	70	GRAN	Pxn1	Planar	Quartz veining	-85	90		Quartz veining
BT080048	304489.45	8604465.64	70	GRAN	Pxn1	Planar	Foliation	-80	110		Foliation
BT080048	304489.45	8604465.64	70	GRAN	Pxn1	Planar	Shear	-80	260		Small shear cross-cutting fold on eastern limb
BT080049	304176.45	8604126.64	45	OZBX	Pxn	Planar	Cleavage	-88	167		Cleavage
BT080049	304176.45	8604126.64	45	OZBX	Pxn	Linear	Fold axis	-76	130		Fold hinge - F3 after D1/S1, and S2.
BT080050	304220.45	8604190.63	50	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia, thickening towards the northeast.
BT080051	304251.45	8604223.64	51	OZBX	Pxn	Planar	Quartz breccia				Quartz brecciation
BT080051	304251.45	8604223.64	51	OZBX	Pxn	Planar	Shear		30		Shear zone
BT080052	304229.45	8604280.63	50	GRAN	Pxn1	Planar	Quartz veining				Quartz veining - increases uphill towards ENE
BT080053	304252.45	8604266.64	57	GRAN	Pxn1	Planar	Quartz veining		310		Quartz veins
BT080053	304252.45	8604266.64	57	GRAN	Pxn1	Planar	Quartz breccia	-80			Quartz breccia
BT080054	304252.45	8604242.63	52	GRAN	Pxn1	Planar	Fracture				Cross-cutting fractures.
BT080054	304252.45	8604242.63	52	GRAN	Pxn1	Planar	Quartz veining	-70			Quartz veins
BT080054	304252.45	8604242.63	52	GRAN	Pxn1	Planar	Shear	-90	270		Sinistral fault
BT080055	304258.45	8604229.64	51	GRAN	Pxn1	Planar	Fracture	-90	290		
BT080055	304258.45	8604229.64	51	GRAN	Pxn1	Planar	Fracture	-80			
BT080055	304258.45	8604229.64	51	GRAN	Pxn1	Planar	Quartz veining	-80			Quartz veined
BT080056	304249.44	8604222.64	55	OZBX	Pxn	Planar	Foliation	-80	335		
BT080056	304249.44	8604222.64	55	OZBX	Pxn	Planar	Fracture	-50	120		
BT080057	304276.45	8604281.63	62	OZBX	Pxn	Planar	Quartz veining	-85	310		200 Quartz veins trending 200 degrees
BT080057	304276.45	8604281.63	62	OZBX	Pxn	Planar	Quartz veining	-85			
BT080059	304295.45	8604290.63	63	OZBX	Pxn	Planar	Quartz veining	-70	310		
BT080060	304293.44	8604346.63	69	GRAN	Pxn1	Planar	Quartz veining				Quartz veined
BT080061	304326.44	8604308.64	61	GRAN	Pxn1	Planar	Fracture	-70	90		
BT080062	304333.45	8604301.63	60	GRAN	Pxn1	Planar	Quartz veining	-60	55		
BT080062	304333.45	8604301.63	60	GRAN	Pxn1	Planar	Foliation	-85	140		
BT080063	314030.37	8602482.64	211	GRAN	Pgt	Planar	Foliation	-70	270		Quartz veins following foliation
BT080063	314030.37	8602482.64	211	GRAN	Pgt	Planar	Quartz veining	-70	270		Quartz veined
BT080065	313767.38	8602292.64	181	GRAN	Pgt	Planar	Contact				Contact between foliated gneiss and granite.
BT080065	313767.38	8602292.64	181	GRAN	Pgt	Planar	Foliation				Gneiss - strongly foliated. Granite - not foliated. Granite is cutting across the foliation of the gneiss.
BT080067	316462.35	8597219.68	50	GRAN	Pxn	Planar	Foliation				Strongly foliated.
BT080068	316435.34	8597179.68	61	SDST	Phe	Planar	Cross-bedding				Cross-bedded
BT080078	304296.45	8604126.64	24.7	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia
BT080079	304189.45	8604121.64	26	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia
BT080080	304180.45	8604128.64	26.3	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia
BT080081	304184.45	8604139.63	26.1	GRAN	Pxn	Planar	Shear				Sheared granite
BT080081	304184.45	8604139.63	26.1	GRAN	Pxn	Planar	Quartz veining				Quartz veining
BT080082	304187.45	8604152.63	26.3	GRAN	Pxn	Planar	Quartz veining				Quartz veining
BT080089	304190.45	8604218.64	26.2	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia
BT080091	304226.45	8604280.64	26.1	GRAN	Pxn	Planar	Shear				Sheared granite
BT080092	304238.45	8604192.63	26.5	GRAN	Pxn	Planar	Shear				Sheared granite
BT080093	304246.45	8604183.63	24.8	GRAN	Pxn	Planar	Shear				Sheared granite
BT080124	304299.45	8604239.63	29.2	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080124	304299.45	8604239.63	29.2	GRAN	Pxn	Planar	Shear				Sheared granite
BT080125	304280.45	8604248.63	29	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080125	304280.45	8604248.63	29	GRAN	Pxn	Planar	Shear				Sheared granite
BT080126	304265.45	8604249.63	28.3	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080126	304265.45	8604249.63	28.3	GRAN	Pxn	Planar	Shear				Sheared granite
BT080127	304255.45	8604250.63	28.2	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080127	304255.45	8604250.63	28.2	GRAN	Pxn	Planar	Shear				Sheared granite
BT080128	304236.45	8604242.63	26.6	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080128	304236.45	8604242.63	26.6	GRAN	Pxn	Planar	Shear				Sheared granite
BT080129	304212.45	8604245.63	26.1	GRAN	Pxn	Planar	Shear				Sheared granite
BT080132	304192.45	8604299.64	29	GRAN	Pxn	Planar	Foliation				Foliated granite
BT080139	304289.45	8604319.64	30.8	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080140	304300.45	8604318.64	33.3	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080145	304321.45	8604289.63	39.5	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080146	304327.45	8604286.63	39.4	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080174	304473.45	8604304.63	27.8	GRAN	Pxn	Planar	Foliation				Foliated granite
BT080179	304452.45	8604349.63	32.1	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080180	304446.45	8604380.64	35.5	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080182	304437.45	8604373.64	40.3	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080188	304393.45	8604423.64	47	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080191	304381.44	8604455.64	45	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080192	304365.45	8604465.64	42	GRAN	Pxn	Planar	Foliation				Foliated
BT080192	304365.45	8604465.64	42	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080197	304340.45	8604374.64	34	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080198	304346.45	8604370.64	36	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080199	304346.45	8604364.64	37	GRAN	Pxn	Planar	Quartz veining				Quartz veining
BT080200	304357.45	8604354.63	40	GRAN	Pxn	Planar	Quartz veining				Quartz veining
BT080202	304372.45	8604349.63	42	GRAN	Pxn	Planar	Quartz veining				Quartz veining
BT080203	304370.44	8604346.63	43	OZBX	Pxn	Planar	Quartz veining				Quartz veined
BT080204	304375.45	8604341.63	43	GRAN	Pxn	Planar	Quartz veining				Quartz veined
BT080205	304382.45	8604332.63	42	GRAN	Pxn	Planar	Quartz veining				Quartz veining
BT080238	292083.54	8608209.61	71	SDST	Phe	Planar	Quartz veining				Quartz veining
BT080241	292397.54	8608155.62	100	SDST	Phe	Planar	Breccia		90		Breccia trending east-west.
BT080241	292397.54	8608155.62	100	SDST	Phe	Planar	Fracture				Fractured. Normal faulting - south side up.
BT080243	296199.51	8608107.62	27	SDST	Phe	Planar	Cross-bedding				Cross-bedded
BT080245	296453.51	8608203.61	29	SDST	Phe	Planar	Cross-bedding				Cross-bedded.
BT080249	304176.45	8604126.64	27	GRAN	Pxn	Planar	Shear				Sheared granite
BT080250	304227.45	8604260.64	26	GRAN	Pxn	Planar	Shear				Sheared granite
BT080251	304228.45	8604280.63	27	GRAN	Pxn	Planar	Quartz veining				Quartz veined granite
BT080252	304230.45	8604302.63	27	GRAN	Pxn	Planar	Foliation				Foliated granite
BT080255	304246.45	8604218.64	26	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia
BT080257	304252.45	8604220.64	26	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia
BT080258	304255.45	8604217.64	26	OZBX	Pxn	Planar	Quartz breccia				Quartz breccia
BT080259	304255.45	8604278.64	28	GRAN	Pxn	Planar	Quartz veining				Quartz veined granite
BT080260	304256.45	8604274.64									