

Table S1: XRD values from expanded sample material of sample block location for detailed analysis.

Lithology	Sample location				Mineral abundance wt% (XRD)*										
	Area	Drill hole	Sample no.	Core depth (m)	Hm	Qz	Chl	Fl	Bar	Flo	Bst	Ser	Cp	Bn	Cc
Breccias containing dyke clasts	NW arm	RU34-3829	RX6709	72.8-73.0	31.7	-	9.9	-	2.3	2.9	44.2	7.5	-	1.5	-
			RX6710	73.6-73.7	37.8	-	6.1	-	1.0	4.0	36.4	14.7	-	-	-
			RX6711	74.7-74.8	20.2	-	8.6	-	1.4	3.9	0.8	65.1	-	-	-
	East edge	RU41-2571	RX6728	174.8-174.9	72.2	-	6.0	-	7.0	1.1	9.3	4.3	-	-	-
			RX6714	66.3-66.4	46.6	-	-	-	0.4	4.0	10.6	38.4	-	-	-
			RX6723	4.3-4.4	19.8	39.1	-	1.4	-	0.6	1.4	34.5	-	0.5	2.7
	Central	RU34-454	RX6716	82.9-83.0	46.4	1.8	-	-	-	1.3	36.9	13.7	-	-	-
			RX6727	51.8-51.9	16.3	14.0	-	1.1	4.3	1.6	13.9	38.9	-	1.5	8.4
Granite-rich breccias	East edge	RU3-558	RX6712	23.7-23.8	10.6	38.7	-	-	1.2	0.8	3.7	45.0	-	-	-
			RX6715	12.2-12.3	32.8	30.0	1.0	-	19.4	0.3	4.9	11.8	-	-	-
	Central	RU3-954	RX6713	70.1-70.2	15.3	32.1	0.2	7.6	1.1	1.0	0.9	34.3	-	7.6	-
	NW arm	RU31-751	RX6717	90.3-90.4	7.3	36.3	3.6	1.5	-	-	6.0	45.2	-	-	-
			RX6718	90.8-91.0	7.5	42.5	1.2	1.8	-	-	4.6	42.2	-	-	-
		RU31-767	RX6719	5.3-5.4	21.1	46.9	-	0.9	-	-	7.9	18.1	-	2.5	2.7
Hematite-rich breccia	Central	RU40-1407	RX6720	19.0-19.2	60.1	2.6	-	21.1	-	0.2	1.3	9.1	4.9	0.7	-
			RX6721	19.4-19.5	32.4	3.3	-	33.1	-	-	14.8	7.1	2.9	6.4	-
			RX6722	19.7-19.8	61.9	2.2	-	19.1	-	-	0.8	-	0.3	15.8	-
	East edge	RU38-2994	RX6725	92.8-92.9	NO DATA										
			RX6726	77.1-77.3	22.3	20.5	0.9	-	-	0.9	8.8	41.3	-	1.3	4.1
Sericitized dyke	NW arm	RU41-5181	RE6724	183.7-183.8	4.5	-	-	-	-	-	17.1	78.4	-	-	-

mineral abbreviations: Hm - hematite; Qz - quartz; Chl - chlorite; Fl - fluorite; Bar - barite; Flo - florencite; Bst - bastnasite; Ser - sericite; Cp - chalcopyrite; Bn - bornite; Cc - chalcocite.