CH Property Rocks 862186

SAMPLE NO.	NORTH	EAST	SAMPLE TYPE	ROCK TYPE	AU (PPB)	CU (PPM)	DESCRIPTION
3	49948	49350	OTCR	andesite flow	—	—	- Fine grained, dense flow intermediate? - Not chlorifized, extremely siliceous, - Contains a group of subparallel py fracture fills with some quartz and bleached envelopes - Last crosscutting vein is quartz vein with central sulphides. Abundant fine mgt throughout no k-spar
1b	51020	48395	OTCR	Porph dacite	—	—	- Fine grained porphyritic flow, very dark, fine grained dark matrix - 5% euhedral plagioclase, minor biotite, fine dissem mgt - Crosscut by irregular fractures with chloritic alteration and patchy k-spar alteration in matrix proximal to fractures.
3	49985	49480	TRCH	andesite flow (chl-ep mgt)	40	1881	- Fine grained dense andesitic flow - No phenocrysts, chloritic with crosscutting and dissem mgt, some ep along fractures - Trace dissem cp no k-spar
3	49987	49480	TRCH	andesite flow	80	3692	- Fine grained dense flow, crosscut by subparallel with fracture controlled py, cp - Chloritic alteration and bleaching in flow
1b	49560	50043	OTCR	??	—	—	- Odd rock? very dark composed of rounded plagioclase fragments (<1mm) surrounded by biotite-k-spar groundmass very uniform, dissem py, mgt
1b	50580	49155	OTCR	??	—	—	- Quartzose sediment? with interstitial biotite and k-spar somewhat schistose minor mgt
Qz	49985	49680	TRCH		30	375	- Qz vein with mgt-py in large lense in volc rock

HF altered intrusive no KF

SAMPLE NO.	NORTH	EAST	SAMPLE TYPE	ROCK TYPE	AU (PPB)	CU (PPM)	DESCRIPTION
1a ✓	51010	48045	OTCR	Fragmental Flow	45	95	? No rock : Chloritic alteration, slightly gneissic pervasive silicification, k-spar along fractures and as augens? py dissem, possibly some sericitic alteration
✓	50460	48477	FLOT		60	71	? no specimen : Chloritic, sericitic, rusty qz patches dissem cp - fragmental tuff? flow
3 ✓	49945	49350	TRCH	Andesite Flow.	40	548	? no specimen : Fine grained tuff/flow, massive, with bleaching along fractures with pyrite
4b ✓	49990	50665	FLOT	Bi-Plag (Qz) MonZ	165	2017	? no spec : 40% phenocrysts : 1% qz, 30% plag, 10% biotite kspar in groundmass, possible some secondary 1-2% pyrite dissem and fracture controlled - qz-mgt-py-cp veins
5 ✓	50000	50695	SBOC	Andesite ?	65	1802	- ? Fine grained, massive unit (no spec) - Silicified, qz-mgt-py-cp stockwork, minor fracture controlled carbonate

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1a	50460	48459	FLOT	Porphyritic Fragmental flow - dacite	—	—	Fragmental Unit, - Round elongate and intrusive fragments in outcrop (5 km) fragments - Clusters of plagioclase (altered orange) in fg kspar rich matrix - kspar also in between crystals in clusters minor dissem mgt, poss py and qz - massive, no veins.
	intense si-kf some HF in fragments						
1a	50260	48490	FLOT	porphy fragment (chloritic qz-si altered)	—	—	- Fragmental unit - plagioclase phenocrysts, not well formed, kspar in groundmass, dissem py - Heavily chloritized, fractured with qz-hem-chl veins (produce frabric) - buggered up, silicified
	kf altered						
1b	49000	51250	—	???	—	—	- Odd rock Possible sediment? - Heavy, very granular and glassy, layered with qz round fragments and greenish ones, kspar in groundmass in some layers 5-7% dissem mgt, some fractures w/ dark blue coatings
	poss mod-strong HF volcanic k altered						
3	50900	48450	SBOC	Dacite Flow?	—	—	- Fine grained intermediate flow, uniform, with mafic phenocrysts, some possible qzose fragments, 10% mgt dissem, in fractures - Cross cut by qz veins and k-spar alteration along fractures and patchy pervasive. - Chloritic, pervasive green.
4	51260	49475	OTCR	Diorite?	—	—	- Uniform, medium grained "salt and pepper" - Hbld?, plag, minor biotite xals, possible kspar is primary but more likely associated with fractures. - Moderate propylitic alteration - pervasive chloritization of mafics with minor ep; ep along fractures with patchy assoc k-spar. dissem mgt 2-5%.
5	50125	48745	OTCR	Diorite	—	—	- Uniform, medium grained, salt & pepper high sg - biotite - hornblende in matrix of similar size plagioclase laths. 10% dissem mgt, some clumps, minor dissem py - Choritic alteration of mafics, surrounding mgt Subparallel concentrations of chl-mgt and vague k-spar bands - kspar also associated with ~~k-spar~~ mgt clumps

SAMPLE No	NORTH	EAST	SAMPLE TYPE	ROCK TYPE	AU (PPB)	CU (PPM)	DESCRIPTION
— 4b	49420	49520	GRAB	PLAG-BI MONZ	—	—	-Semicrowded, 10% bi, 20% plag phenocrysts (rounded to angular) matrix fg, k-spar rich, dissem mg in matrix, possible musc. - hard relatively fresh, little alteration, minor orange in plag. - contains round, fragment of bi fg unit w/ no k-spar but magnetite, xenolith
— 4b ✓	50000	49625	TRCH	PLAG-BI MONZ	65	4213	- Semicrowded 10% euhedral bi., 20% subhedral plag phenocryst - minor muscovite? phenocrysts? - Matrix k-spar rich, finegrained, 5% dissem toclofs of magnetite in matrix - Non silicified, but plag phenocrysts zoned and altered orange, biotite fresh. Minor 1% parallel? veins (< 2mm) of qz-mg-cp-py xcut all but biotite books
— 4b	RS112	400	OTCR	PLAG, BI, HBLD MONZ	—	—	- Noncrowded: 5% euhedral Bi, 10-15% plagioclase, 2-5% euhedral hornblende phenocrysts, dissem mgt in k-spar fine grained matrix. possible modal qz? - Relatively fresh, some white spots in plag phenocrysts - minor ~~frag~~ fabric in some of rock.
KME-02 4b	50880	48475	OTCR	PLAG-BI HBLD (QZ?) MONZ	—	—	- Noncrowded, fg equivalent to above: 5% plagioclase, 5% bi-hbld, 2% k-spar, 1% qz phenocrysts. Most small, dissem mgt k-spar in matrix surrounding fine, granular, euhedral plag
— ✓ 1b	49980 Si, only patchy kf	49465	TRCH	DACITE PORPH FLOW	170	2689	- Fine grained, dense unit with subhedral plagioclase phenos 15% minor (2%) biotite? phenocrysts. no k-spar ⇒ dacite flow? - Unit heavily silicified, with orange alteration of plag related to weathering - Intense (5%) qz-mg-cp-py stockwork with patchy, discontinuous k-spar envelopes. minor mal on surfaces. py is v. fine, pobably 5% as stkwk and dissem/healed fractures
— ✓ 1b	49980	49462	TRCH	DACITE PORPH FLOW	155	4017	- Fine grained, dense unit, 15% eu-subhedral plag phenos, 1% biotite. Patchy minor k-spar in matrix, dissem mgt Several sizes of plag phenos - Intensely silicified, 2% qz-py-mgt-cp stkwk, py on microfracture in matrix. minor mal

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—	3	50000	49870	OTCR	amygdaloidal andesite flow	—	—	- Fine grained andesitic flow? 5% fine black specs → blor hbld amygdaloidal, filled with epidote, some fabric. Slightly magnetic - chloritic, epidote, carbonate altered, no k-spar, poss silicification - crosscut by glassy, grey qz with fragments of rock in it which is later crosscut by qz(wte) k-spar vein w/ pyp blebs and glassy grey selvedges
			altered, minor HF					
-	3	49560	49970	OTCR	andesite flow	—	—	- Fine grained andesitic flow? massive with minor wte plagioclase specs, minor dissem py, minor mafic phenocryts - Chloritic, cross cut by numerous grey qz veins and series of veins, minor py, possible silicification
			altered, minor HF no kspar					
	1a	49020	51370	SBOC	porph dacite flow	—	—	- Porphyritic dacite? andesite flow? v. fine grained matrix with a 1-2mm crystal plagioclase mush (15%) 2-5% dissem mgt chlorite alteration in matrix surrounding mgt - Silicified, chlorite alteration, large area along fracture with potassic alteration with biotite, minor k-spar and chlorite, mgt fragment
			strong-mod HF HHC alt					
	3	RS112	400	OTCR	andesite flow	—	—	- Next to contact with intrusive - Fine grained andesitic flow, minor mafic phenocrysts dissem mgt - Chloritic, abundant microfractures with fine grained silicified? envelopes (loss of grain size) with some qz veins in fractures, k-spar along some crosscutting fractures and associated with mafic mineral in fragments
			altered, int HF no kspar					
	1b	50120	48690	SBOC	Porph dacite flow (intense bi-kspar)	—	—	- Porphyritic Flow? heavily biotite-kspar altered almost schistose. (Resembles 49020N 51370E in bi altered fracture.) groundmass 5% fine dissem py, late // milky qz veins (kf in surrounding plag "mush") - have in contact light, felsic? unit with kspar in anastamozing fractures following schistosity
			strong-intense HF some kspar					

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1a por	50460	48459	FLOT	???	—	—	- Fine grained, uniform unit. Contains frogment of bi-k spar altered dacite porphyry flow. - Intense k-spar alteration (all of rock) and silicification heavily fractured, crosscutting py (crossculs and also dissem in fragment) veins and latest milky qz irregular veins
1b	50000	47980	FLOT	porph dacite flow (potlasic altered)	—	—	- odd rock? plagioclase phenocryst @ contact with more felsic unit grades into fine grained flow with blastose plagioclase, dissem mgt - ~~Intense k-spar altered with~~ biotite, minor k-spar dissem py 5-7%
1a	49946	50812	SBOC	porph fragmental flow?	—	—	- Crystal mush - plagioclase phenocrysts. Fine grained felsic flow fragments with patchy k-spar - alteration or primary some fragments chloritic altered, minor dissem mgt - Fractured with k-spar along fractures and in some fragments. Well silicified, hard. Minor py, anhedral blebs
1a	49985	49645	TRCH	fragmental flow	225	456	- Fine grained unit with abundant various fragments some with k-spar. Matrix very fine grained - Silicified, patchy k-spar in matrix and some fragments abundant dissem and fracture controlled py - Crosscut by k-spar altered/primary fine grained dyke
1b	49990	49650	TRCH	porphy dacite flow	45	2483	- Fine grained porphyritic tuff. Plagioclase phenocrysts 10-15%. very broken and angular. No k-spar, v fg matrix, poss bi pheno - Unit silicified, matrix contains abundant biotite, ~~poss tr~~ py dissem and fracture controlled in matrix and phenos - Abundant qz-mgt-cp-mal stockwork (5%, <1mm wide)
4b	50820	48415	OTCR	Plag-bi monz	—	—	- qz (2-5%) phenos, 5% biotite (somewhat altered), 20% plag (subhedral) 5% dissem mgt, kspar abundant in groundmass, some musc very little hbld - Relatively hard - silicified? biotite altered (sericitic?) and not so fresh no veins, massive, some k-spar central in plagioclase

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4b	49930 hem ser	50825	SBOC	Plag-Bi (musc)(Qz) monz (Sericite)	—	—	-Fine grained, euhedral plagioclase 15%, biotite 5%, muscovite 1% porphyry k-spar all in groundmass - Clay alteration? sericitic? pervasive carbonate alteration all phenocrysts hematite altered in centres
4b	49980	49461	TRCH	Plag Monz (hematite chalcocite	75	1612	- Porphyritic, crowded with anhedral white plag phenos. k-spar in matrix, minor biotite, mgt - Intense hematite in groundmass, qz vein w dissem py, cp and chalcocite coatings along weathered edge and surrounds plag crystals no carbonate alteration -*Resembles crowed plagioclase dacite flows except too much k-spar
4b	50595 ser	49230	SBOC	Plag-Bi Monz fg (Sericitic)	—	—	- Fine grained, porphyritic, minor plag, qz, biotite (total 10%) phenocrysts in k-spar groundmass, no mgt - Muscovite/sericite alteration in plagioclase and biotite relatively soft - Similar to ~~50820N~~, 49930N, 50825E
4b	49930	50855	SBOC	Plag-Bi (Musc) (Qz) Monz	—	—	- Porphyritic, 10-15% euhedral plagioclase, 1-2% qz, 5% biotite, 2% muscovite phenocrysts, kspar in groundmass, minor dissem mgt - Relatively hard - silicified? biotites very light and altered, muscovites silvery, plag white and zoned. No veins, pervasive carbonate alteration
1a	50500 kf altered	48450	SBOC	fragmental flow - dacite? latite?	—	—	- Fragment rich flow? Very hard matrix of feldspar phenocrysts and fg matrix, dissem mgt, py - Crosscut by qz-mgt-chl vein with k-spar alteration envelopes in rock. ~~matrix has~~ very hard.
1a	51540 intrusive kf	47970	SBOC		—	—	- Extremely dense fragmental porphyritic flow. fragments up to 1.5cm visible, minor dissem py, lots mgt - Intense k-spar flooding? and envelopes along qz veins with hematite

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C3501	50760	48380	TRCH	MSSF	1610	906	12600	20500	Massive sulphide and silicified wall rock Contact sharp with adjacent limestone - Py, cp, ga, spha
C3502 (2a)	50760	48380	TRCH	LMST	370	59	350	7138	- Limestone, well bedded, some grit - contact @ 173/85NE
C3503	50770	48380	TRCH	?	3180	135	9085	4766	- Silicified rock, very hard, structure @ 090 bedding @ 168/subvert
C3504	50778	48377	TRCH	?	3390	1185	37600	72500	- Silicified massive sulphide with contact