

**RUBICON MINERALS CORPORATION**

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**PROJECT STATUS REPORT**

**FLAT GOLD PROPERTY**

- COMMODITIES:** Au, Ag
- TARGET:** Premier - Red Mountain-type high sulphidation Au  
(>1-5 Moz Au)  
Shear related - hematitic? Au (recent Teuton discovery)  
(>1 Moz Au)
- LOCATION & ACCESS:** The Flat gold property is located 40 km east-southeast of Stewart, 25 km SW of the Meziadin logging camp and 155 km northwest of Smithers, B.C. (Skeena Mining Division; NTS 103P/14). Logging roads reach to within 15 km of the property. The property is easily accessed by helicopter from Meziadin or Stewart. The Red Mountain deposit and Camnor's Willoughby prospect are located 23 km and 17 km (respectively) northwest of the Flat property.
- INFRASTRUCTURE:** None on the property. Because the property is located on the east side of the Coast Range, it would be feasible to establish road access from the Kitwanga-Stewart Highway.
- INTRODUCTION:** The Flat property consisting of 80 claim units was acquired as a prospective Au-Ag "Red Mountain -type" prospect. The claims were staked based on anomalous Au silt (1290ppb) from a government silt geochem survey (released on June 2nd, 1995). The property is underlain by Late Jurassic to Early Cretaceous fine-grained Bowser Group sediments. These rocks are locally cut by felsic hornblende porphyry dykes of probable Tertiary age. No significant gold values were returned from rock or silt sampling on the property.
- MINERAL INVENTORY:** None established.
- CLAIM STATUS:** Claims are in good standing until June 1997 once assessment credits have been applied.
- OWNERSHIP:** 100% owned by Rubicon Minerals Corporation.  
There are no underlying agreements on the property.

**EXPENDITURES:**  
(Direct Exploration)

Year	Nominal \$	Cumulative
1991	5,000	5,000
1995	16,000	21,000
<b>Total</b>	<b>\$21,000</b>	<b>\$21,000</b>

**WORK DONE:** 1991: Bond Gold, as part of a regional Au program for Red Mountain-type targets and other Au targets, conducted some rock sampling (2), prospecting and recce mapping on what is now the CAM1 claim.

1995: Rubicon Minerals and Cyprus Canada, staked 80 units based on a regional silt geochem government release (1290ppb Au) from a drainage of the south side of Flat Creek. Follow-up work consisted of prospecting (6 man days), rock sampling (45) and silt sampling (13).

**RESULTS:** 1991: Bond Gold - Background gold values <10ppb were returned from the two samples collected and no significant features were noted on the now CAM1 claim. Work on "Banded Mountain" immediately to the southwest returned <1 to 5.71g/t Au from surface sampling.

1995: Cyprus-Rubicon - The anomalous government silt sample site (1290ppb Au) was sampled by Rubicon (4 silts) and all returned <5ppb Au. No significant Au values were returned from rock sampling. The property is underlain by fine-grained, locally carbonaceous, Bowser Group sediments.

**DISSCUSSION:** A summary map of the property at 1:10,000 shows the claims, sample locations, and geochemical data. A complete list of geochemical data that highlights elevated results of important elements is provided with

the maps and are attached to the text as an appendix. Geochemical plots that accompany the Lahte report show the distribution of "Flat porphyries" relative to the Red Mountain and Lahte porphyries. They appear to be distinct and notably more siliceous.

Field work on the Flat property by Rubicon has not reproduced the anomalous silt recorded by the government. No anomalous gold values were returned from the rock sampling, although only a small portion of the property was traversed.

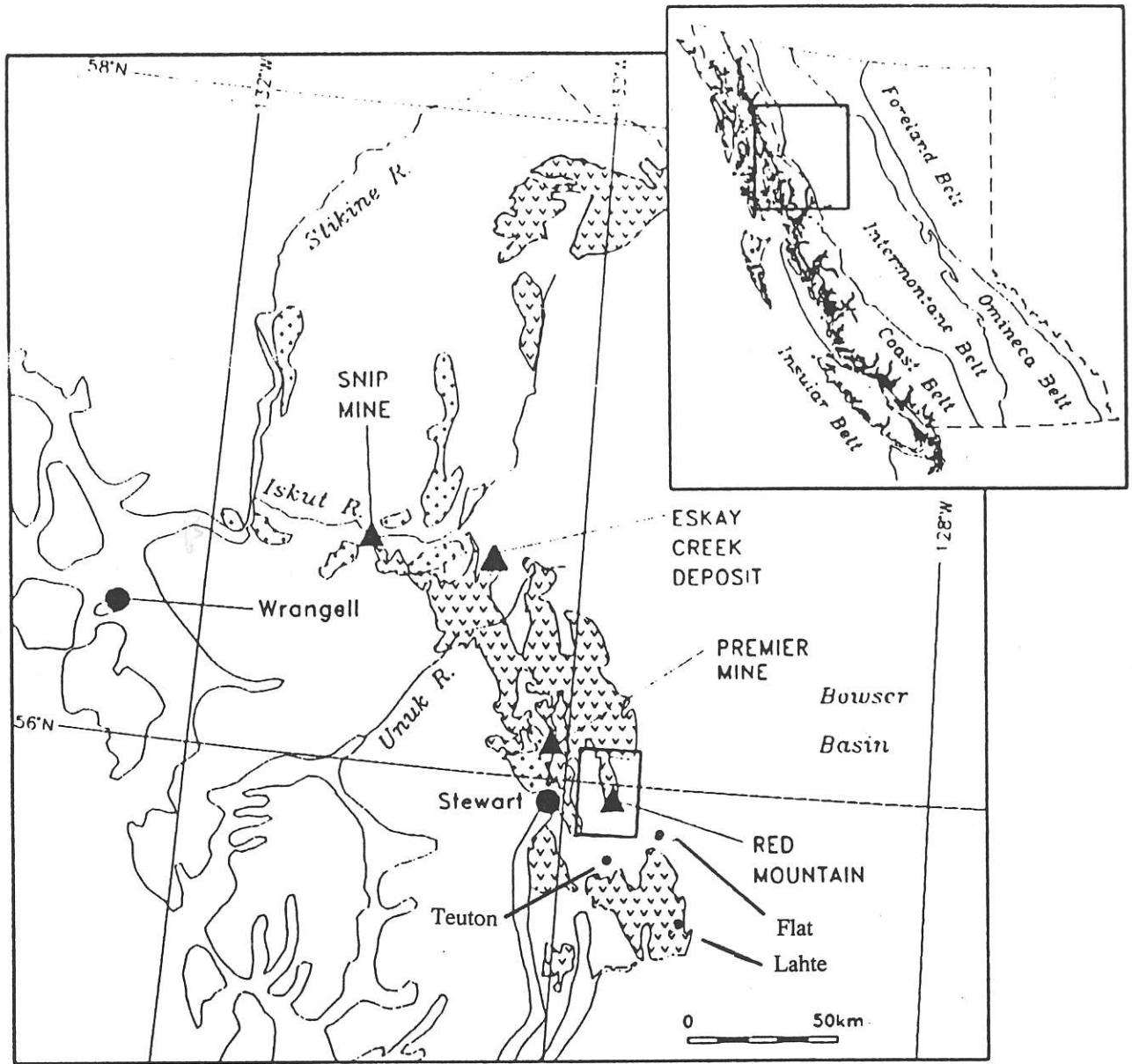
Note: in a conversation with Wayne Jackaman of the BCGS (Geochem Division) he indicated that the highest sample in the Nass 104P survey (1290ppbAu - Flat Creek) was the only sample that did not reproduce its high gold anomaly - this was not evident in the geochem release last June. A request has been made for this duplicate data to see if the second sample was anomalous.

#### **CONCLUSIONS & RECOMMENDATIONS:**

The Flat gold property, located 23 km southeast of the Red Mountain Gold Deposit and 17 km south-southeast of the Willoughby Gold Prospect is underlain by Late Jurassic to Early Cretaceous sediments of Bowser Lake Group. A highly anomalous RGS silt sample (1290ppb) has not been explained based on limited follow-up field work by Rubicon and apparently was not reproduced by Government sampling.

It is recommended that no further work be conducted on the property pending the BCGS duplicate sampling results which have been requested.

**REFERENCES:** BC Assessment Report #21304



 Early Jurassic intrusions

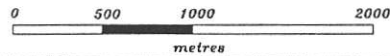
 Hazelton Group volcanic rocks

 Triassic to Jurassic sedimentary rocks



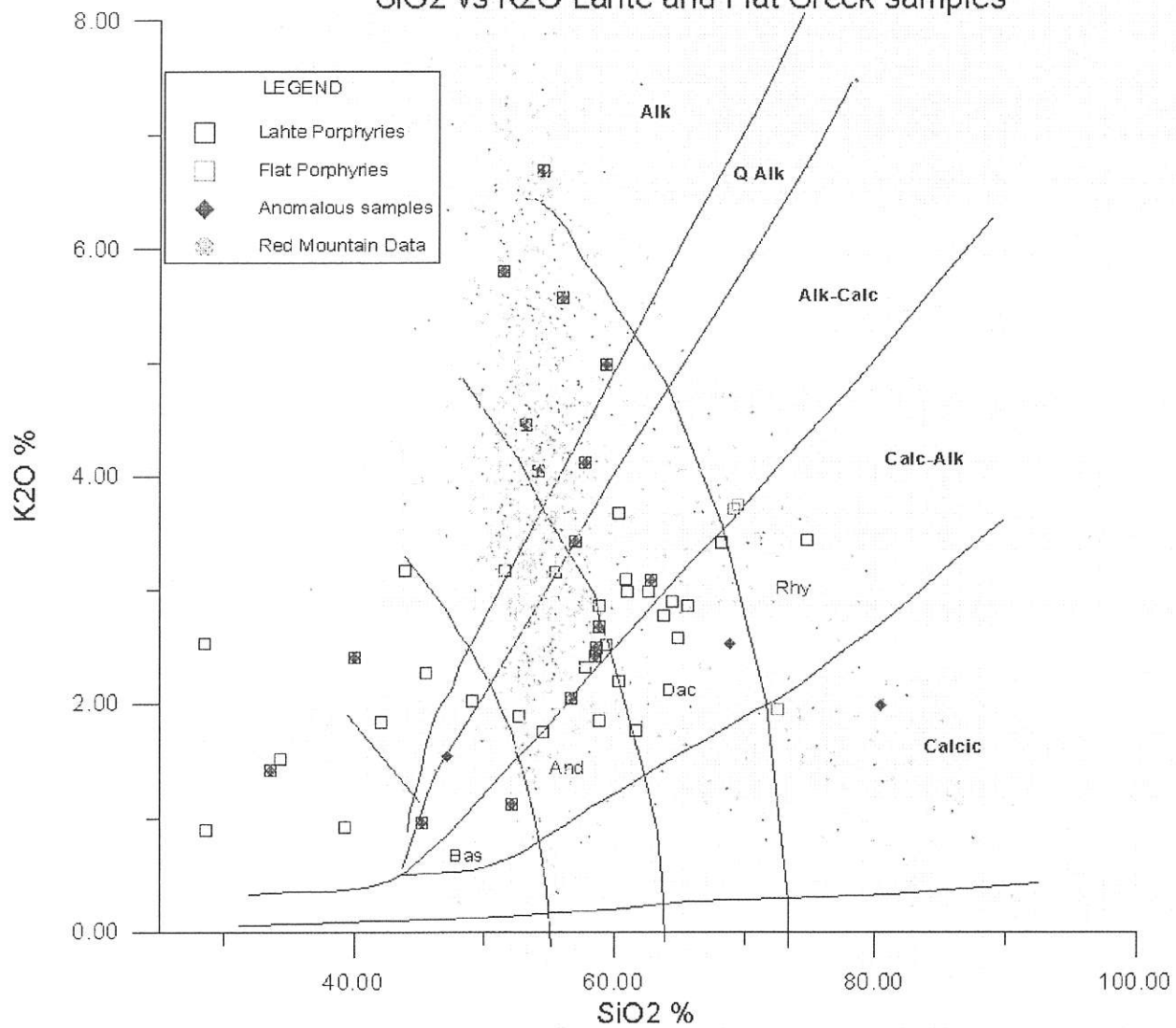
**RUBICON MINERALS CORPORATION**

*FLAT PROPERTY  
Claims, Sample Locations and  
Geochemical Data*



Date: 01/01/98    Data by: MC, JCM    Drawn by: DWA    NTS: 103p/14

SiO<sub>2</sub> vs K<sub>2</sub>O Lahte and Flat Creek samples



Flat\_icp\_sorted

SAMPLE	SUBTYPE	ROCKTYPE	CERT_NO	AU_PPb	AU_GT	AG	AL	AS	BA	BE	BPPM	CA%	CD	CO	CR	CU	FE%	GA	HG	K%	LA	MG%	MN	MO	NA%	Ni	P	PB	SB	SC	SR	TPCT	TH	U	V
CAM00001	bflt	dac, aphyric	A9520825	0	-0.005	71.4	0.7	264	10	-0.5	-2	0.28	>100	23	107	5130	6.53	-10	34	0.32	-10	0.16	115	2	0.01	9	770	80	1345	1	16	-0.01	-10	-10	14
CAM00008	float	sed	A9520825	0	-0.005	-0.2	0.48	52	150	-0.5	-2	4.92	-0.5	9	107	13	3.18	-10	-1	0.18	-10	1.15	2020	-1	0.03	48	1000	8	-2	6	435	-0.01	-10	-10	16
NBC47751	float	sst_mst bx	A9526354	0	0.035	0.4	0.7	20	400	-0.5	-2	0.1	0.5	4	105	11	1.75	-10	-1	0.08	-10	0.32	165	-1	-0.01	21	200	12	6	1	22	-0.01	-10	-10	9
NBC47767	float	sed	A9526354	0	0.05	1	1.07	38	60	-0.5	-2	0.04	-0.5	7	145	20	2.02	-10	-1	0.1	-10	0.73	165	1	0.01	23	290	2	4	1	18	-0.01	-10	-10	21
NBC47772	float	silt	A9526354	0	-0.005	-0.2	0.25	8	30	-0.5	-2	0.1	-0.5	-1	151	1	0.34	-10	-1	0.23	10	0.01	40	-1	0.02	3	40	10	-2	-1	6	-0.01	-10	-10	1
NBC47774	float	siltst	A9526354	-D	0.025	0.6	1.35	86	100	-0.5	-2	0.07	-0.5	9	104	23	3.99	-10	-1	0.2	-10	0.7	55	1	0.02	80	460	24	10	4	13	-0.01	-10	-10	23
NBC47775	float	blk sh	A9526354	0	-0.005	-0.2	0.39	4	40	-0.5	-2	3.12	-0.5	3	128	7	0.69	-10	-1	0.04	-10	0.28	685	-1	-0.01	13	150	2	2	3	585	-0.01	-10	-10	6
NBC47778	float	beds	A9526354	0	-0.005	-0.2	0.42	2	60	-0.5	-2	2.05	-0.5	5	109	18	1.48	-10	-1	0.09	-10	0.83	860	-1	0.01	23	400	2	-2	2	326	-0.01	-10	-10	9
NBC47783	float	bedgl	A9526354	0	0.015	0.4	0.82	32	60	-0.5	-2	0.17	-0.5	16	101	19	2.42	-10	-1	0.09	-10	0.5	160	-1	0.01	69	290	24	4	2	24	-0.01	-10	-10	13
NBC47947	float	Conglomerate	A9526354	0	-0.005	0.2	0.73	14	160	-0.5	-2	2.84	-0.5	9	25	34	3.17	-10	-1	0.32	10	0.53	890	-1	0.02	13	1400	14	2	3	158	0.01	-10	-10	18
PS106	float	Qtz vein?	A9522842	0	-0.005	-0.2	0.01	36	10	-0.5	-2	0.01	-0.5	1	325	-1	0.31	-10	-1	-0.01	-10	-0.01	15	-1	-0.01	5	20	-2	-2	-1	2	-0.01	-10	-10	1
PS107	float	Qtz vein	A9522842	0	-0.005	-0.2	0.36	10	-10	-0.5	-2	0.17	-0.5	2	318	7	0.97	-10	-1	-0.01	-10	0.25	65	1	0.01	24	60	-2	-2	-1	13	-0.01	-10	-10	5
PS108	float	Qtz vein	A9522842	0	-0.005	-0.2	0.26	14	60	-0.5	-2	0.58	-0.5	3	304	6	0.9	-10	-1	0.09	-10	0.19	240	-1	0.03	15	270	12	-2	1	64	-0.01	-10	-10	4
PS109	float	Qtz vein	A9522842	0	-0.005	-0.2	0.07	6	10	-0.5	-2	0.03	-0.5	1	353	1	0.53	-10	-1	0.01	-10	0.01	105	-1	0.01	6	170	2	-2	-1	7	-0.01	-10	-10	1
PS127	float	sed	A9520825	0	-0.005	-0.2	0.85	12	30	-0.5	-2	0.76	-0.5	8	203	10	1.72	-10	-1	0.01	-10	0.69	290	1	0.09	45	370	6	-2	6	125	-0.01	-10	-10	49
PS128	float	sed	A9520825	0	-0.005	0.2	1.09	14	70	-0.5	-2	0.07	-0.5	4	271	18	1.56	-10	-1	0.08	-10	0.76	170	1	0.01	41	270	2	-2	3	12	-0.01	-10	-10	40
PS130	float	sed	A9520825	0	-0.005	-0.2	1.12	12	20	-0.5	-2	3.96	-0.5	13	48	18	5.93	-10	-1	0.27	-10	0.55	1145	2	0.04	3	1010	4	-2	5	89	0.03	-10	-10	59
PS131	float	sed	A9520825	0	-0.005	-0.2	0.64	12	40	-0.5	-2	0.04	-0.5	1	290	10	0.97	-10	-1	0.08	-10	0.39	75	1	0.03	19	250	2	-2	1	8	-0.01	-10	-10	26
NBC47757	m.mat	moss matt	A9526358	-5	0	0.2	0.92	32	110	-0.5	-2	1.03	1.5	20	21	33	2.56	-10	-1	0.72	10	0.31	2590	1	0.02	64	1840	24	4	1	161	-0.01	-10	-10	13
NBC47759	m.mat		A9526358	-5	0	0.2	1.44	34	130	-0.5	-2	0.88	1.5	21	37	47	3.28	-10	-1	0.57	10	0.57	2390	2	0.02	85	1660	34	4	2	122	0.01	-10	-10	25
NBC47763	m.mat	silt	A9526358	-5	0	0.4	1.78	38	110	0.5	-2	0.63	1	22	44	39	3.16	-10	-1	0.3	10	0.78	2020	1	0.01	87	1380	14	4	3	84	0.02	-10	-10	34
NBC47770	m.mat		A9526358	-5	0	0.2	1.91	26	100	0.5	-2	0.59	-0.5	20	61	29	4.04	-10	-1	0.03	10	1.17	950	-1	0.05	63	1110	14	4	4	58	0.12	-10	-10	67
CAM00002	ocp	sed, mdst clasts	A9520825	0	-0.005	0.4	2.32	12	420	-0.5	-2	0.62	3.5	15	178	51	2.74	-10	-1	0.42	10	1.39	320	1	0.07	76	670	8	6	3	83	-0.01	-10	-10	33
CAM00003	ocp	sed pebbly mdst	A9520825	0	-0.005	0.4	1.89	20	140	-0.5	-2	0.07	-0.5	4	100	32	4.02	-10	-1	0.21	-10	1.2	175	2	0.01	68	470	26	4	2	10	-0.01	-10	-10	38
CAM00004	ocp	qtz vein	A9520825	0	-0.005	0.2	0.75	8	120	-0.5	-2	0.06	-0.5	4	488	20	1.85	-10	-1	0.18	-10	0.31	60	1	0.01	32	200	14	2	1	13	-0.01	-10	-10	128
CAM00005	ocp	sed graphitic	A9520825	0	-0.005	-0.2	1.74	8	110	-0.5	-2	0.18	-0.5	13	197	20	2.69	-10	-1	0.13	-10	1.26	255	-1	0.04	64	540	8	-2	3	26	-0.01	-10	-10	33
CAM00006	ocp	sed	A9520825	0	-0.005	0.2	2.03	14	270	-0.5	-2	0.08	-0.5	13	72	75	2.69	-10	-1	0.46	-10	0.91	145	9	0.02	73	390	22	-2	3	14	-0.01	-10	-10	36
CAM00007	ocp	sed, graphitic	A9520825	0	-0.005	0.2	1.54	20	160	-0.5	-2	0.65	-0.5	12	141	35	3.41	-10	-1	0.23	-10	0.89	515	3	0.02	64	350	8	2	2	65	-0.01	-10	-10	25
CAM00009	ocp	sed gouge	A9520825	0	-0.005	-0.2	1.41	54	140	-0.5	-2	2.34	-0.5	9	163	16	2.22	-10	-1	0.24	-10	0.99	700	-1	0.02	58	410	4	-2	3	219	-0.01	-10	-10	23
NBC47752	ocp	sandst wacke	A9526354	0	-0.005	-0.2	0.76	20	80	-0.5	-2	0.13	-0.5	6	151	9	1.77	-10	-1	0.11	-10	0.4	320	-1	0.01	36	260	8	2	1	14	-0.01	-10	-10	12
NBC47753	ocp	argillite	A9526354	0	-0.005	0.4	2.04	8	120	-0.5	-2	0.08	-0.5	8	81	35	3.78	-10	-1	0.2	10	1.29	185	2	0.01	23	520	14	4	2	18	-0.01	-10	-10	30
NBC47758	ocp	Arg	A9526354	0	-0.005	0.4	2.66	-2	60	-0.5	-2	0.23	-0.5	12	109	27	4.96	-10	-1	0.11	20	1.57	400	1	0.01	80	1220	20	2	3	18	-0.01	-10	-10	48
NBC47764	ocp	sediment	A9526354	0	-0.005	-0.2	0.54	-2	10	-0.5	-2	0.62	-0.5	3	116	5	0.99	-10	-1	0.03	-10	0.33	430	-1	-0.01	28	130	4	-2	-1	43	-0.01	-10	-10	6
NBC47765	ocp	siltst	A9526354	0	-0.005	0.6	2.64	6	40	-0.5	-2	0.16	-0.5	8	74	21	4.54	-10	-1	0.08	10	1.85	385	1	0.01	43	880	6	4	3	11	-0.01	-10	-10	51
NBC47766	ocp	Qv bx	A9526354	0	0.015	0.4	0.64	10	40	-0.5	-2	0.07	-0.5	4	136	10	1.18	-10	-1	0.08	-10	0.41	225	-1	0.01	13	170	2	-2	1	5	-0.01	-10	-10	12
NBC47776	ocp	gphc fz	A9526354	0	-0.005	-0.2	1.72	8	80	-0.5	-2	3.91	-0.5	10	115	30	2.61	-10	-1	0.15	-10	1.13	770	-1	-0.01	63	500	6	2	3	618	-0.01	-10	-10	26
NBC47777	ocp	FZ, qcv	A9526354	0	-0.005	0.2	0.79	32	90	-0.5	-2	0.65	-0.5	9	68	17	3.87	-10	-1	0.13	-10	3.17	435	-1	0.02	56	330	16	6	4	1245	-0.01	-10	-10	17
NBC47779	ocp	QCV	A9526354	0	-0.005	-0.2	0.52	-2	30	-0.5	-2	4.47	-0.5	3	121	7	0.99	-10	-1	0.06	-10	0.51	1225	-1	-0.01	25	330	4	-2						

## Flat\_icp\_sorted

SAMPLE	W	ZN
CAM00001	-10	>10000
CAM00008	-10	60
NBC47751	-10	68
NBC47767	-10	38
NBC47772	-10	4
NBC47774	-10	56
NBC47775	-10	18
NBC47778	-10	34
NBC47783	-10	66
NBC47947	-10	120
PS106	-10	4
PS107	-10	20
PS108	-10	30
PS109	-10	8
PS127	-10	44
PS128	-10	78
PS130	-10	22
PS131	-10	18
NBC47757	-10	106
NBC47759	-10	150
NBC47763	-10	148
NBC47770	-10	146
CAM00002	-10	490
CAM00003	-10	188
CAM00004	-10	88
CAM00005	-10	78
CAM00006	-10	122
CAM00007	-10	124
CAM00009	-10	54
NBC47752	-10	40
NBC47753	-10	72
NBC47758	-10	98
NBC47764	-10	24
NBC47765	-10	88
NBC47766	-10	22
NBC47776	-10	72
NBC47777	-10	82
NBC47779	-10	30
NBC47780	-10	122
NBC47781	-10	58
NBC47782	-10	100
NBC47942	-10	84
NBC47944	-10	84
NBC47945	-10	86
NBC47948	-10	92
NBC47949	-10	92
PS110	-10	78
PS111	-10	36
38829	-10	128
NBC47756	-10	108
NBC47760	-10	120
NBC47761	-10	48
NBC47762	-10	160
NBC47768	-10	196
NBC47771	-10	184
NBC47773	-10	150
NBC47784	-10	224
NBC47785	-10	248



flat\_wr\_icp\_sorted

SUBTYPE	SAMPLE	ROCKTYPE	AL2O3	CAO	CR2O3	FE2O3	K2O	MGO	MNO	NA2O	P2O5	SIO2	TIO2	LOI	TOTAL	BA	RB	SR	NB	ZR	Y	AU_PPB	AU_GT	AG	AL	AS	BA	BE	BI
float	NBC47769	siliceous	12.34	2.29	0.01	1.42	3.29	0.24	0.02	4.56	0.04	72.22	0.14	2	98.57	1200	70	240	-10	90	10	0	-0.005	-0.2	0.27	4	30	-0.5	-2
ocp	NBC47754	bio-hbl-fsp Por	15.53	0.75	0.01	2.49	3.71	0.5	0.03	4.73	0.14	69.19	0.41	1.61	99.1	1680	90	480	-10	170	10	0	-0.005	-0.2	0.72	24	90	-0.5	-2
ocp	NBC47755	felsic dyke	14.49	0.29	-0.01	2.21	1.94	0.64	0.02	4.86	0.12	72.47	0.36	1.65	99.05	700	50	390	-10	170	10	0	-0.005	-0.2	0.74	40	50	-0.5	-2
ocp	NBC47943	Fsp-bio-hbl porphyry	15.12	1.53	-0.01	2.2	3.75	0.59	0.04	4.41	0.13	69.48	0.37	1.67	99.29	2040	90	550	-10	170	-10	0	-0.005	0.2	0.82	4	280	-0.5	-2
ocp	NBC47946	Mafic dyke	15.74	6.18	0.02	10.7	1.79	5.45	0.16	3.91	0.66	49.32	1.88	3.81	99.62	1820	20	960	20	190	20	0	-0.005	0.2	2.27	-2	230	-0.5	-2
ocp	NBC47950	Sandstone	11.35	4.82	0.03	3.26	2.52	1.08	0.12	1.95	0.12	68.84	0.42	4.67	99.18	1400	60	530	-10	90	10	0	-0.005	-0.2	0.71	-2	140	-0.5	-2

flat\_wr\_icp\_sorted

SUBTYPE	CA%	CD	CO	CR	CU	FE%	GA	HG	K%	LA	MG%	MN	MO	NA%	NI	P	PB	SB	SC	SR	TPCT	TH	U	V	I	ZN
float	1.49	-0.5	1	109	4	0.87	-10	-1	0.13	10	0.07	210	1	0.04	3	150	22	2	-1	17	0.03	-10	-10	2	-10	36
ocp	0.47	-0.5	3	27	6	1.28	-10	-1	0.29	20	0.17	295	-1	0.03	2	610	14	-2	1	28	-0.01	-10	-10	8	-10	56
ocp	0.12	-0.5	2	25	3	1.11	-10	-1	0.15	10	0.24	170	-1	0.03	3	460	22	-2	-1	11	-0.01	-10	-10	6	-10	80
ocp	0.87	-0.5	3	43	2	1.24	-10	-1	0.41	30	0.26	320	2	0.05	1	500	14	2	1	40	0.06	-10	-10	17	-10	44
ocp	1.7	-0.5	22	65	25	5.83	-10	-1	0.07	30	2.19	760	-1	0.06	33	1140	4	4	6	100	0.49	-10	-10	108	-10	104
ocp	3.38	-0.5	12	113	17	1.93	-10	-1	0.18	-10	0.42	775	-1	0.01	62	470	8	2	2	459	-0.01	-10	-10	8	-10	56