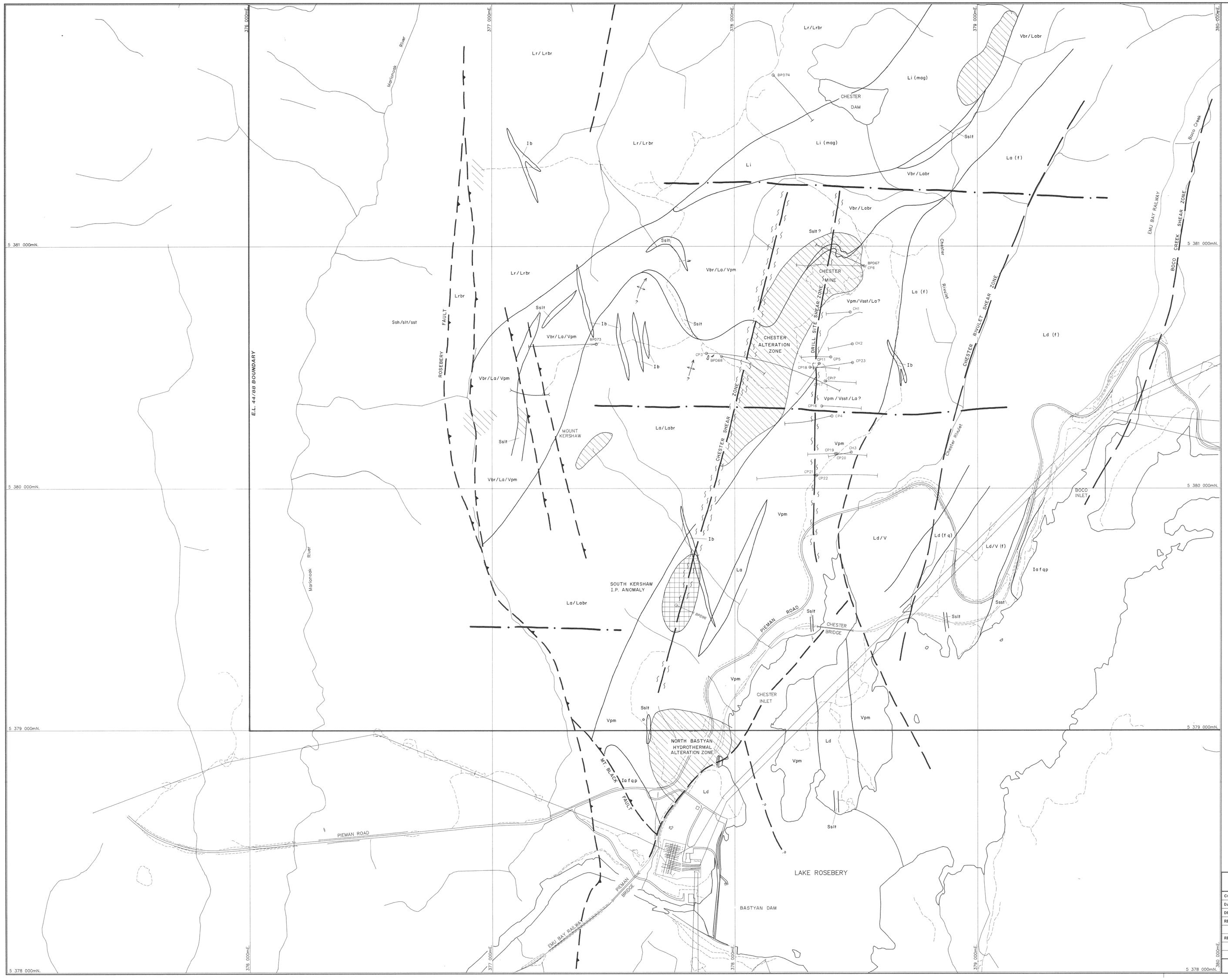


LEGEND

1. General Form

Colour, grain size, overall texture, Rock Type, constituents & textutres, alteration, mineralisation.

Descriptors and Rock Types to be separated by comma or slash. Derwent series 19 colours (in brackets) are intended for the Cambrian sequences.

2. Rock Types

Lavas	L	o	(9) acid
		i	(46) intermediate
		b	(44) basaltic
		r	(8) rhyolitic
		d	(11) dacitic
		n	(14) andesitic
Intrusives	I	o	(13) acid
		i	(46) intermediate
		b	(44) basic
		fel	felsic
		p	porphyritic
		g	(12) granitic
		peg	pegmatitic
Volcaniclastics	V	pm	(7) pumiceous mass flow
		q	(32) quartz phyric mass flow
		sst	(32) sandstone
		mf	(32) coarse lithic mass flows
Sediments	S	sh	(26) shale
		l	(36) slate incl. black slate
		slt	(26) siltstone
		sst	(36) sandstone
		tb	turbidite
		w	(36) wacke
		cong	(36) conglomerate
		b	breccia
		cht	(34) chert
		ls	(45) limestone
		dol	(45) dolomite
		q	(36) quartzite
		Fe	iron formation
		gl	(4) glacial deposits
		fgl	(4) fluvioglacial deposits
		alv	(4) alluvial deposits
		mdst	(36) mudstone
Metamorphic Rocks	M	sht	(36) schist
Colours should be hatched		sp	(36) semi-pelite
		ps	(36) psammite
		amph	amphibolite
		gran	granulite
		sk	skarn
		mb	(45) marble
		m	mylonite
Unassigned		?	Use alone or as a qualifier to other rock types where uncertain.

3. Descriptors

Colour:

ple pale, bl blue, dk dark, wht white, clr clear, yel yellow, or orange, ol olive, blk black, grn green, pk pink, ppl purple, rd red, crm cream, brn brown

Grainsize:

fg fine grained, mg medium grained, cg coarse grained, vcg very coarse grained

Overall Texture:

aug augen, p porphyritic, fol foliated, clvd cleaved, msv massive, blk blocky, bd bedded, lam laminated, abd cross bedded, xlam cross laminated, br brecciated, fb flow banded, fbr flow brecciated, ufs upwards fining sequence, hyd hyaloclastic, pill pillowed, pep peperitic

Constituents & Internal Textures:

f feldspar, q quartz, l lithic, pm pumice, styl stylolites, wsp wisps, ves vesicles, sph spherulites, lph lithophyase, mic micaceous

Alteration:

ab albitised, co carbonate alteration, chl chloritised, ser sericited, kao kaolinised, ep epidotised, sil silicified

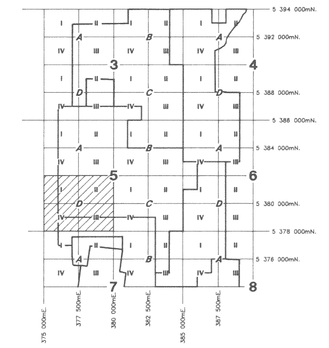
Mineralisation:

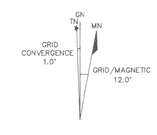
diss disseminated, str stringer, msv massive, gos gossan, bx bowork, py pyrite, po pyrrhotite, asp arsenopyrite, gn galena, sp sphalerite, mag magnetite, hm haematite

3. Mapping Symbols

- Strike and Dip of Strata (25)
- Strike and dip of inverted strata (75)
- Strike and dip of cleavage or foliation (60)
- Plunge of lineation (50)
- Geological boundary position accurate
- Geological boundary position approximate
- Mine
- Abandoned prospect or mine
- Costean or trench
- Diamond drill hole, including projection
- Unconformity
- Fault
- Thrust Fault
- Plunging antiform
- Plunging synform
- Shear/strong cleavage
- Sil + Ser + Py Alteration Zone
- I.P. Anomaly
- Magnetic/Gravity/TM Lineaments

Mapping and interp. by : M. S. Saxon, L. W. Kirsner, A. N. Lorrigan and J. G. Purvis





PASMINCO EXPLORATION
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COMPILED : M.S.S.	E.L. 44/88 - BURNS PEAK JV
DATE : March 1993	**INTERPRETIVE GEOLOGY**
DRAWN : G.M.B.	**SHEET 5D**
REFERENCE :	
REVISIONS :	
DRAWING No.	SCALE 1:5000 (0 100 200 METRES)
	FIG. No. 23

E.L. 44/88 - BURNS PEAK
1:5000
INTERPRETIVE
GEOLOGY
SHEET 5D