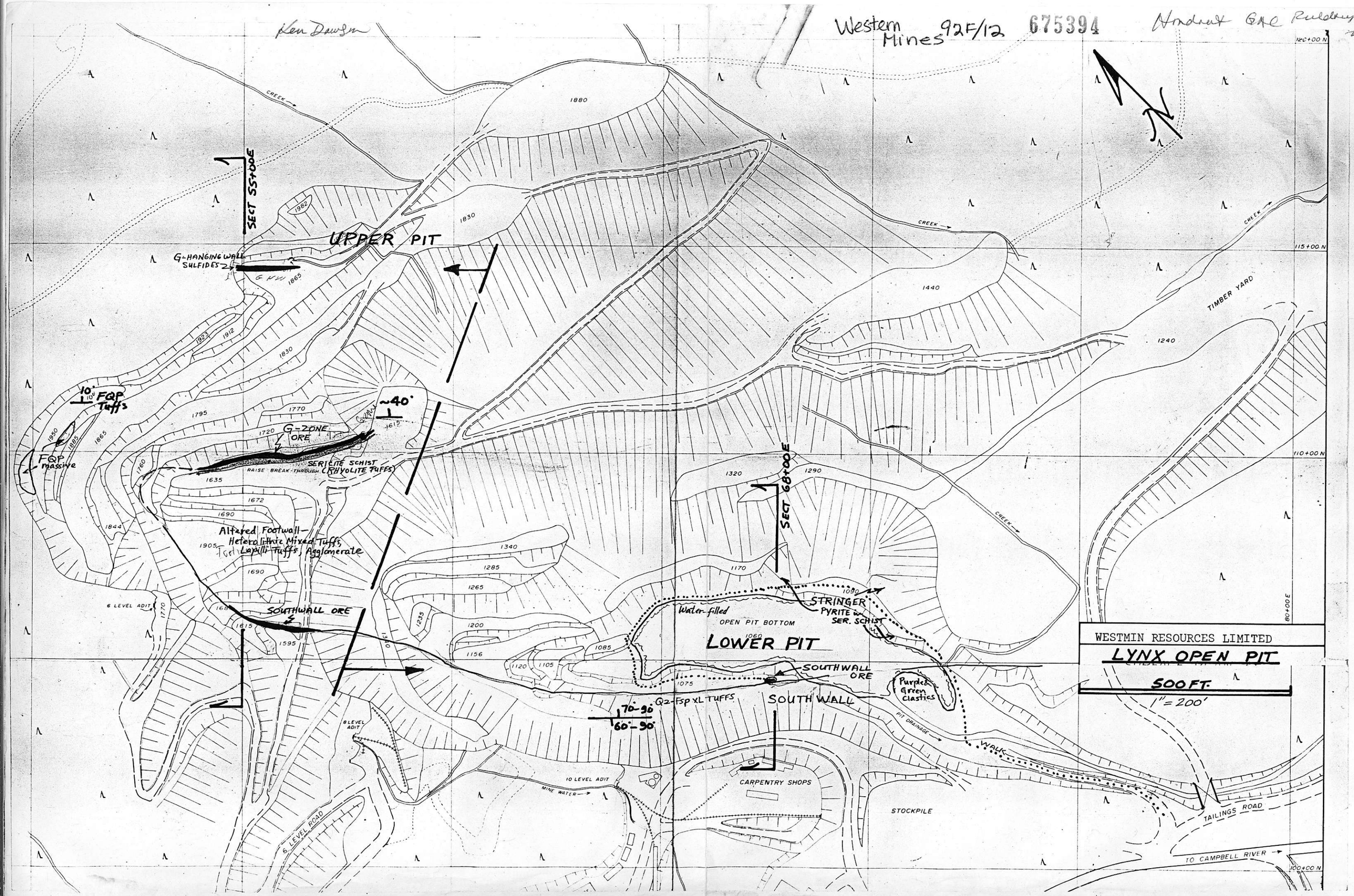
Ken Dawson

Western Mines 92F/12 675394

Hindmarsh GAC Rulebuys #9 May/83



WESTMIN RESOURCES LTD. H-W DEPOSIT

ABBREVIATED LOG
P13-302

SECTION 124+00E, 121+93N, 802.5 Elev. Azim. 360°, Dip-87°

FOOTAGE	DESCRIPTION
(100) - 307.5	SHARP BANDED TUFF & MASSIVE MAFIC UNIT - TOP OF THE "MINE SEQUENCE" - fine mafic tuffs and cherty tuffs, mainly thin bedded. Within this unit are sill-like massive mafic units (100-134.5) usually veined with epidote - silica±carbonate.
307.5 - 355	MAFIC DOMINANT CLASTICS - transition zone into the mine sequence - consists of fine tuffs to agglomerate, variably chloritic, carbonated and epidote altered. 307.5-314 several jasper fragments; 314-323.8 some sericitic-siliceous tuff component.
355 - 455.5	PURPLE (AND MAROON) & GREEN CLASTICS - fine tuffs to agglomeratic, thin to thick bedded and locally graded. 355-369 numerous clasts of maroon and purple fine tuff - note the disrupted jasper bed/clast at 365'; 369-372.5 "Maroon" argillite and chert. 372.5-455.5 G-HANGING WALL RHYOLITE HORIZON - characterized by coarse quartz-feldspar porphyry clasts and quartz and feldspar crystal rich tuff. The "QFP" component is minor below 424' 398-424 mafic dyke.
455.5 - 585	ANDESITE-DACITE-(±RHYOLITE) CLASTICS - fine tuffs (minor cherty tuff) to tuffaceous agglomeratic lapilli stones, thin to thick bedded and locally graded, variably epidote and silica altered. There is a "purple" component evidenced by hematitic chips in the intervals 455.5-498 and 548-585.
585 - 632	ANDESITE-DACITE-RHYOLITE-SULPHIDE CLASTICS WITH RHYOLITE INTERBEDS - this interval is considered to represent the lateral equivalent of the Lynx-Myra-Price Rhyolite Zone - tuffaceous lapilli stone to agglomerate - 604-614.5 quartz-porphyritic rhyolite tuff 625-627 rhyolitic interbed (split core).
632 - 702	PURPLE AND GREEN ANDESITE-DACITE-RHYOLITE FINE TUFF TO FINE LAPILLI TUFF - graded thin to thick beds, sections with abundant hematitic chips.

FOOTAGE	DESCRIPTION
702 - 827.5	ANDESITE-DACITE±RHYOLITE±SULPHIDE CLASTIC - thin to thick bedded tuffs to tuffaceous lapilli agglomerate. The interval from 771-827.5 contains some sulphide clasts, and a notable increase in feldspar and quartz crystal component - also note the increase in rhyolite component and size of clasts downhole in this interval; this unit contains a dark streaky vitric looking component.
827.5 - 1060.5	ANDESITE (H-W HANGING WALL ANDESITE) - massive and clastic phases, feldspar and mafic porphyritic. Zones with a mottled epidote alteration and epidote altered clasts. The lower part of the andesite becomes finer textured and sericite altered (unusual) and is possibly tuffaceous(?). 917.0-920.6 Dacite-rhyolite clastic with pyrrhotite - note streaky looking texture. 960-964.5 - Quartz feldspar crystal tuff with flattened vitric looking clasts.
1060.5- 1221	H-W RHYOLITE ZONE - UPPER PART - variable rhyolite and andesite clast component, locally with argillite "jellybeans" and sulphide clasts plus intervals of feldspar porphyritic dacite (e.g., 1082- 1116.5, 1143-1161, 1166-1213, 1216-1221 - with mafic dykes) - note distinctive feathery (ragged) andesite clasts in intervals 1064-1082 and 1116.5-1143. Red sphalerite and pyrite clasts occur in the interval 1116.5-1143. Red sphalerite and pyrite clasts occur in the interval 1116.5-1143; 1078-1080 chalcopyrite and red-brown sphalerite mineralization.
1221 - 1380	MAIN H-W RHYOLITE ZONE - rhyolitic tuffs (sericitic) locally agrilliaceous, with minor lapilli-tuff, intruded by several altered mafic dykes. 1255.5-1289.2 strongly siliceous-sericitic rock, fractured (brecciated) with disseminated pyrite and pyritic fractures/ stringers. 1289.2-1344.5 quartz-feldspar crystal tuff - laterally equivalent to QFP dome - mainly thick bedded/laminated graded units with thin laminated very fine tuffaceous top. 1344-1357.5 mafic dyke.
1380 - 1392	H-W SULPHIDE ZONE - massive and semi-massive pyrite-sphalerite-chalcopyrite.

Interval	Length(ft)	Au Oz/T	Ag Oz/T	Cu Wt.%	Pb Wt.%	Zn Wt.%	Ba Wt.%	Fe Wt.%	S.G.
1380-1390	10.0	0.033	0.46	0.82	0.24	6.52	1.44	12.34	3.21

FOOTAGE	DESCRIPTION
1392 - 1628	ALTERED FOOTWALL ROCKS - texturally variable massive looking and clastic intervals (andesitic and rhyolitic components) - sericitic and chloritic with disseminated pyrite. 1392-1455 altered quartz porphyry(?), numerous irregular glassy and frosty quartz phenocrysts and/or amygdules 1477-1535 mixed clastic with pumaceous/sconaceous component and fine ashy tuff bands.
1628 - 1697.5	PYRITE STRINGER ZONE - disseminated and stringer pyrite in silica-sericite altered rock.
1697.5 - 1732	ALTERED ANDESITE DOMINANT CLASTIC - chloritic
	E N D O F H O L E

SUMMARY LOG BY J.G. MACVEIGH
MAY 1983