



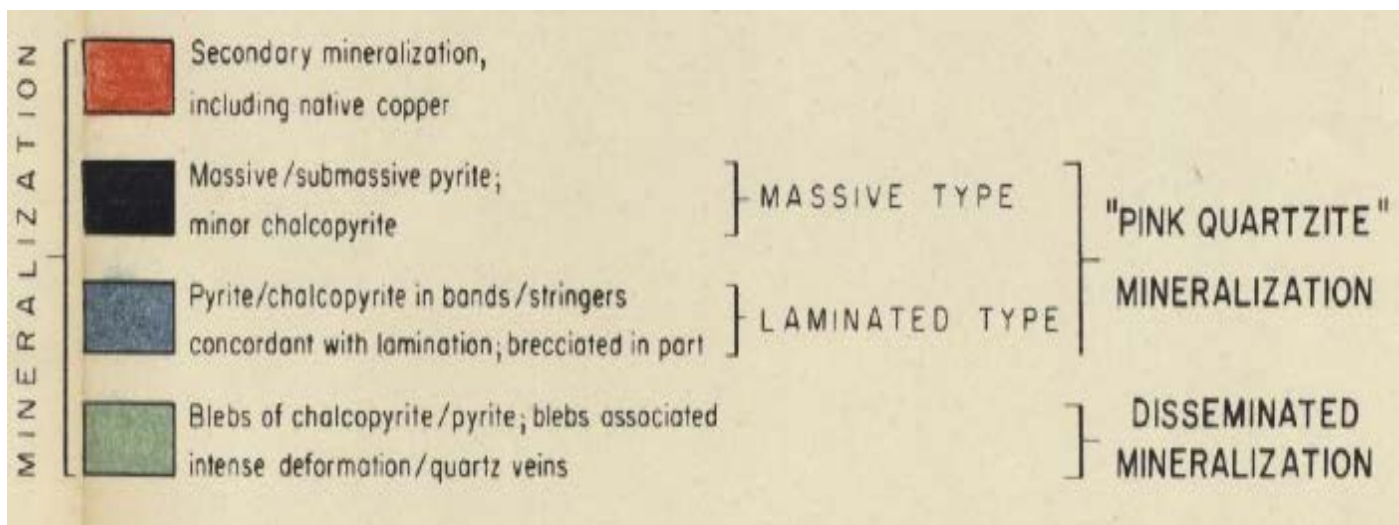
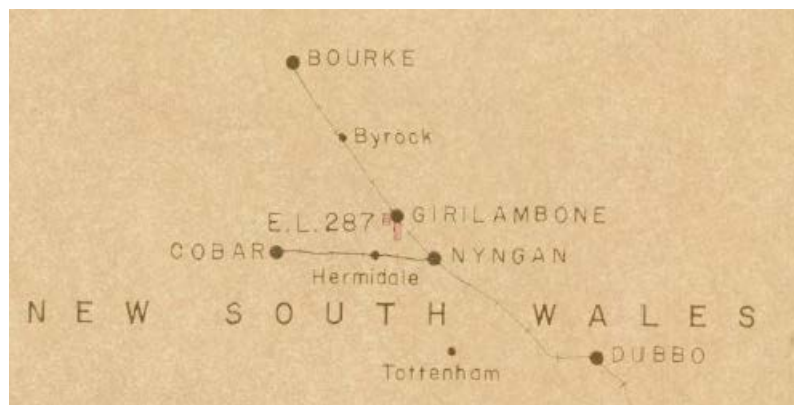
The Rediscovery of Girilambone

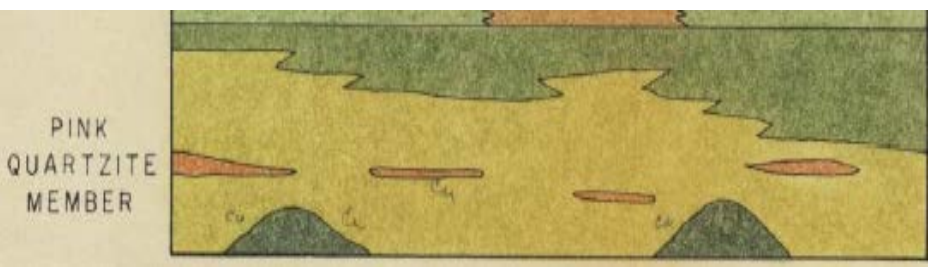
Russell Fountain, Phillip
Hellman & Ian Pringle



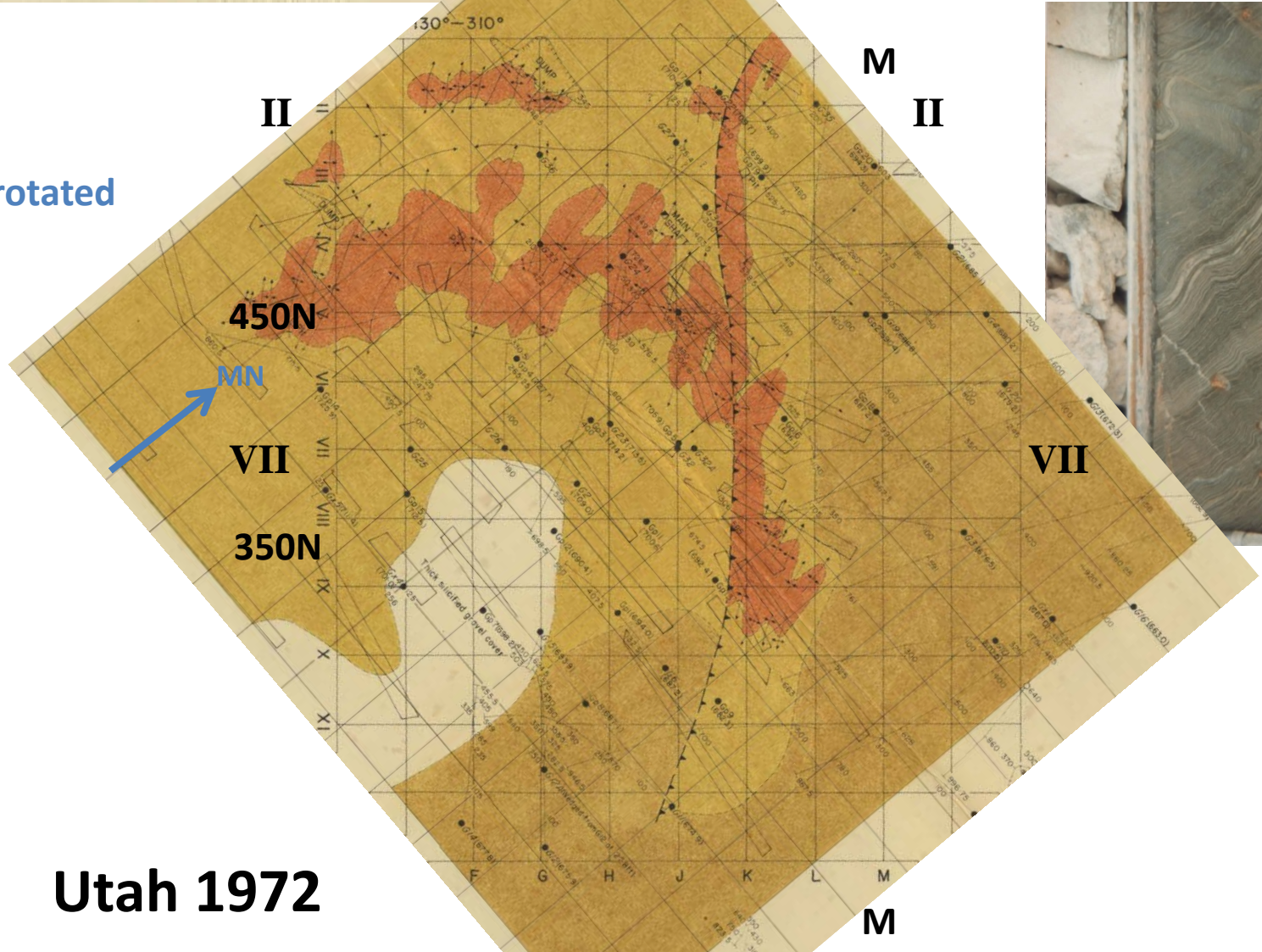
Utah 1972

3.0 million tonnes
2.1% copper





100 ft rotated grid

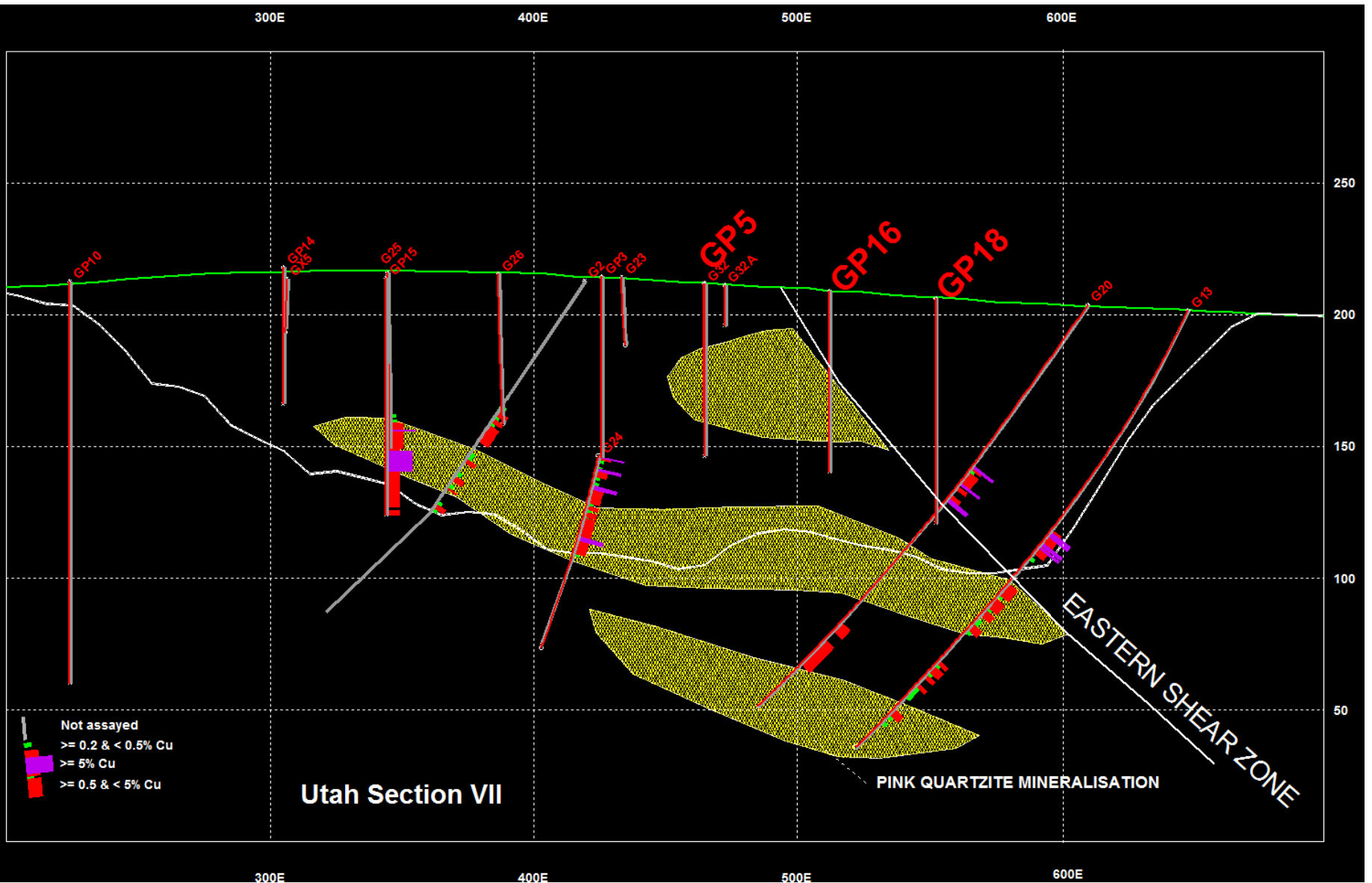


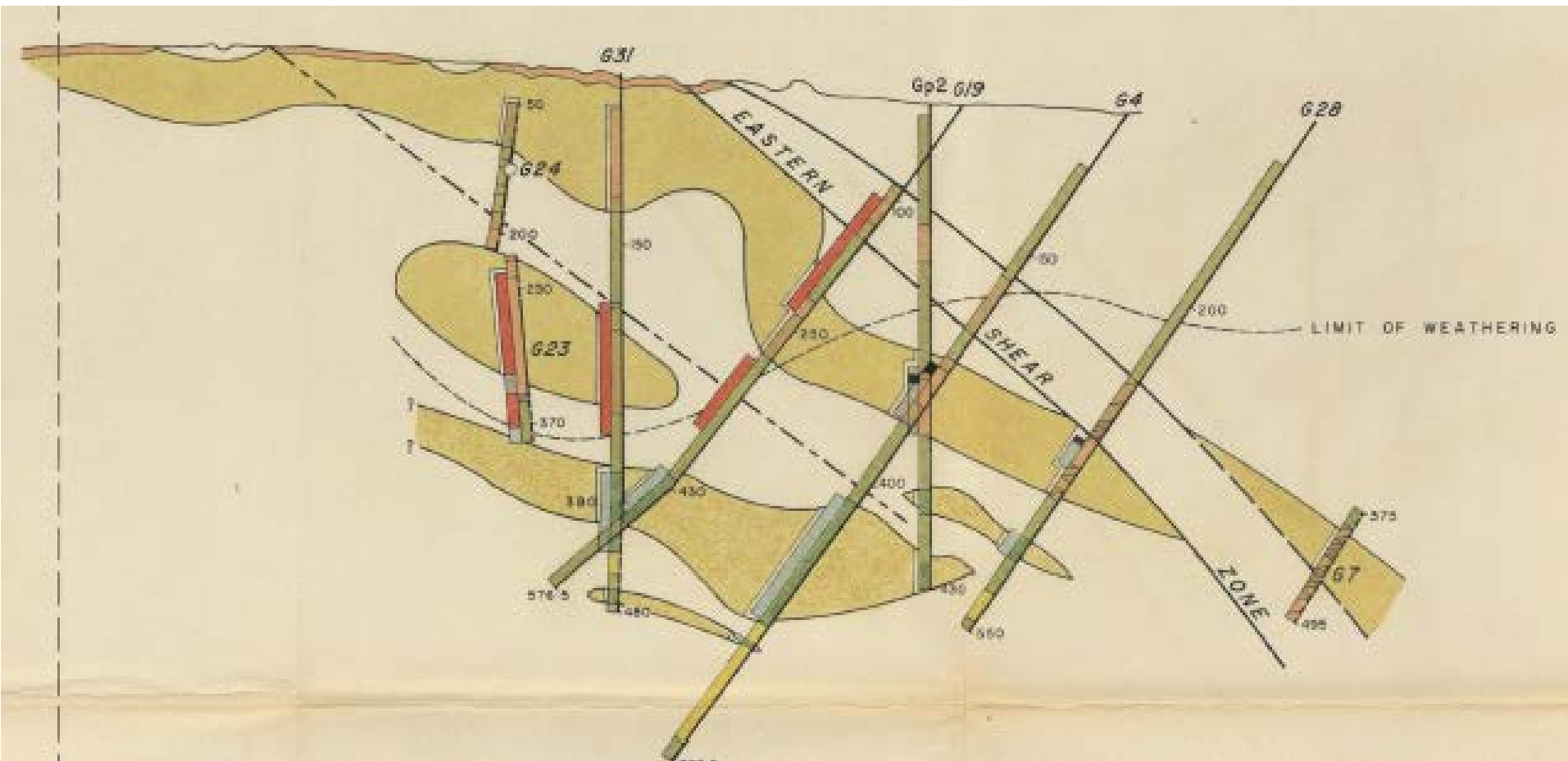
Utah 1972



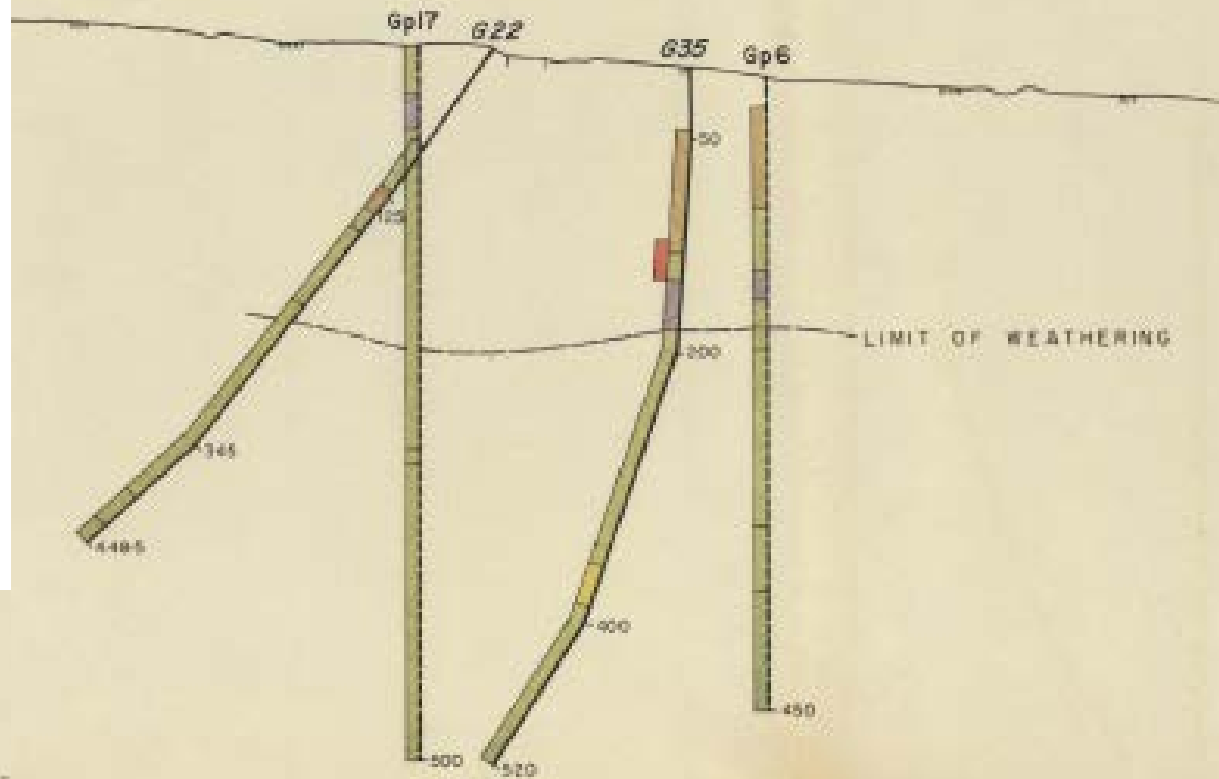
Core storage
~April 1989



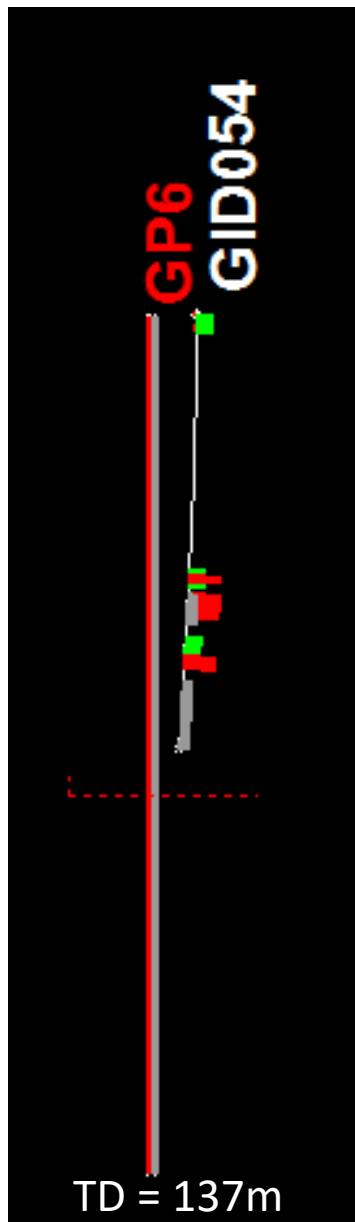




Utah Section 450N



Utah Section II



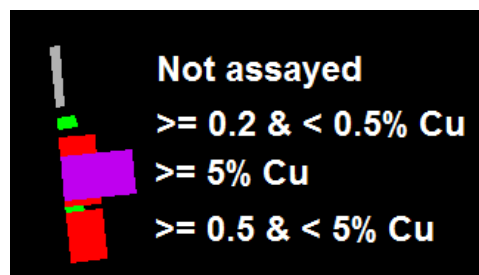
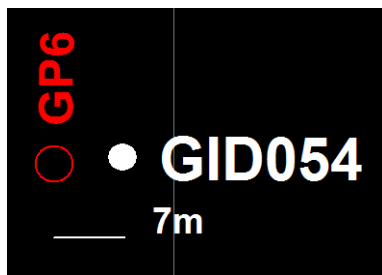
May 1989, Nord:

“Utah’s (1972) estimates agree well with those from this study.”

“It is likely that the grades quoted are conservative and significant upgrading will occur for the secondary sulphide zone and oxide zone.”

“A significant extra resource can be delineated. 5 million tonnes of a grade not less than 2.1% Cu is regarded as being easily achievable by a modest (3000m) drilling program.”

“A vigorous pursuit of this project is recommended.”



lithology	colour	oxide	cu_ox%	ma_vol	cup_vol	cu_vol
LAMQZE	GRY	0	0	0	0	0
sulph%	py_vol	cc_vol	ccp_vol	sp_vol	altn	li_vol
15	9	1	1	0	4	0
ma_mode	cup_mode	cu_mode	py_mode	ccp_mode	sp_mode	cla_mode
			L	L		
cla_vol	si_vol	si_mode	carb_mode	vnt	vnv_qtz	qtz_vol
	7	P				
weath	foln_aca	fg%	vnpm	ore_mode	Rec%	
FR	8	0	0	la	100	

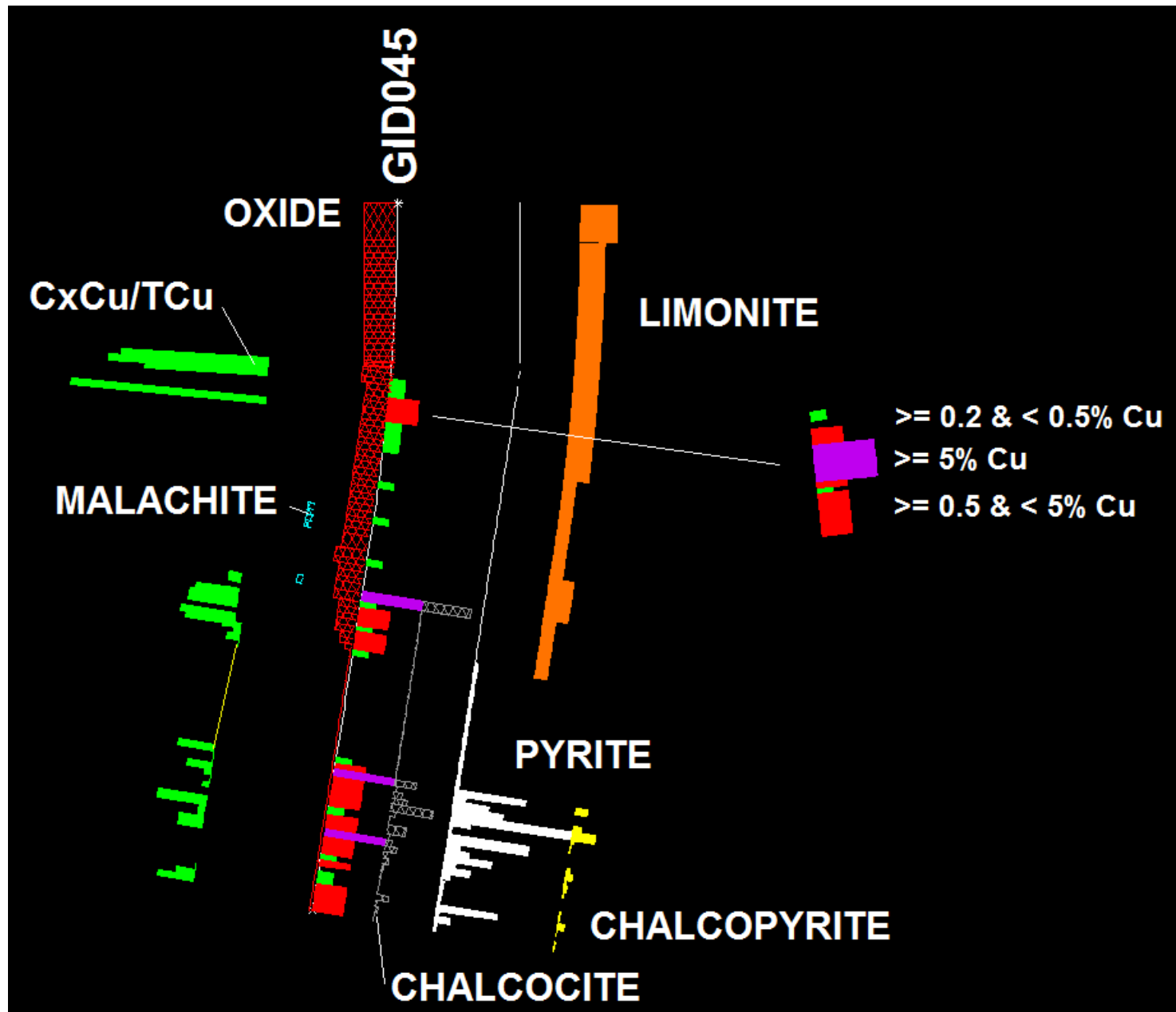
cu%	1.95
CuCx	0.07
CuCx%	0.0
cc%	1.7
py%	15
cpy%	1.7

Predicted vs actual

	Oxide	Mixed	CC	CPY
Cu%	1.1	3.1	2.7	1.1
Predicted Cu%	1.2	3.7	5.5	1.6
N	581	100	662	252



GID005
102-
102.5m

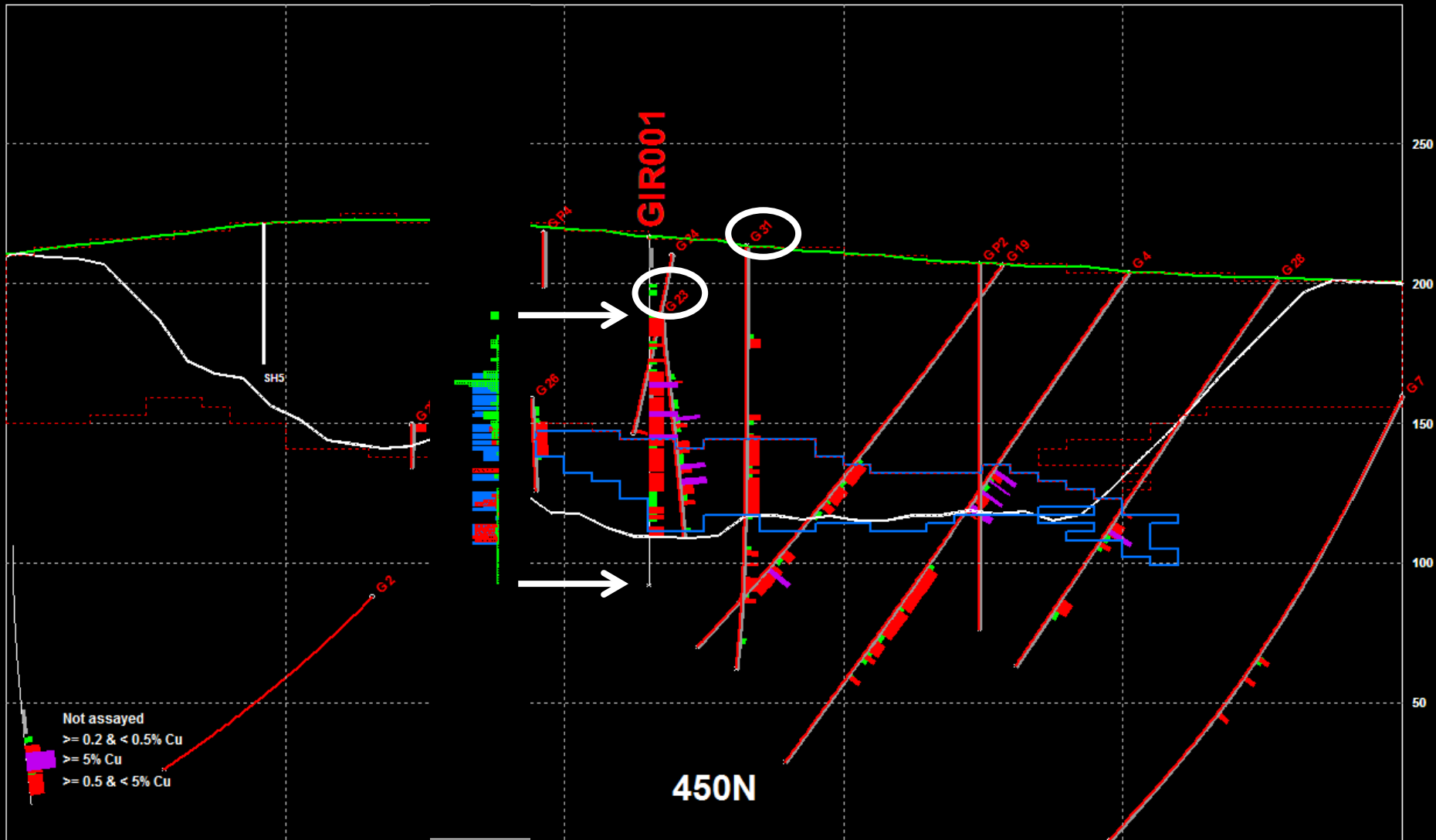


300E

400E

500E

600E



GIR001 – 54m @ 2.1% Cu

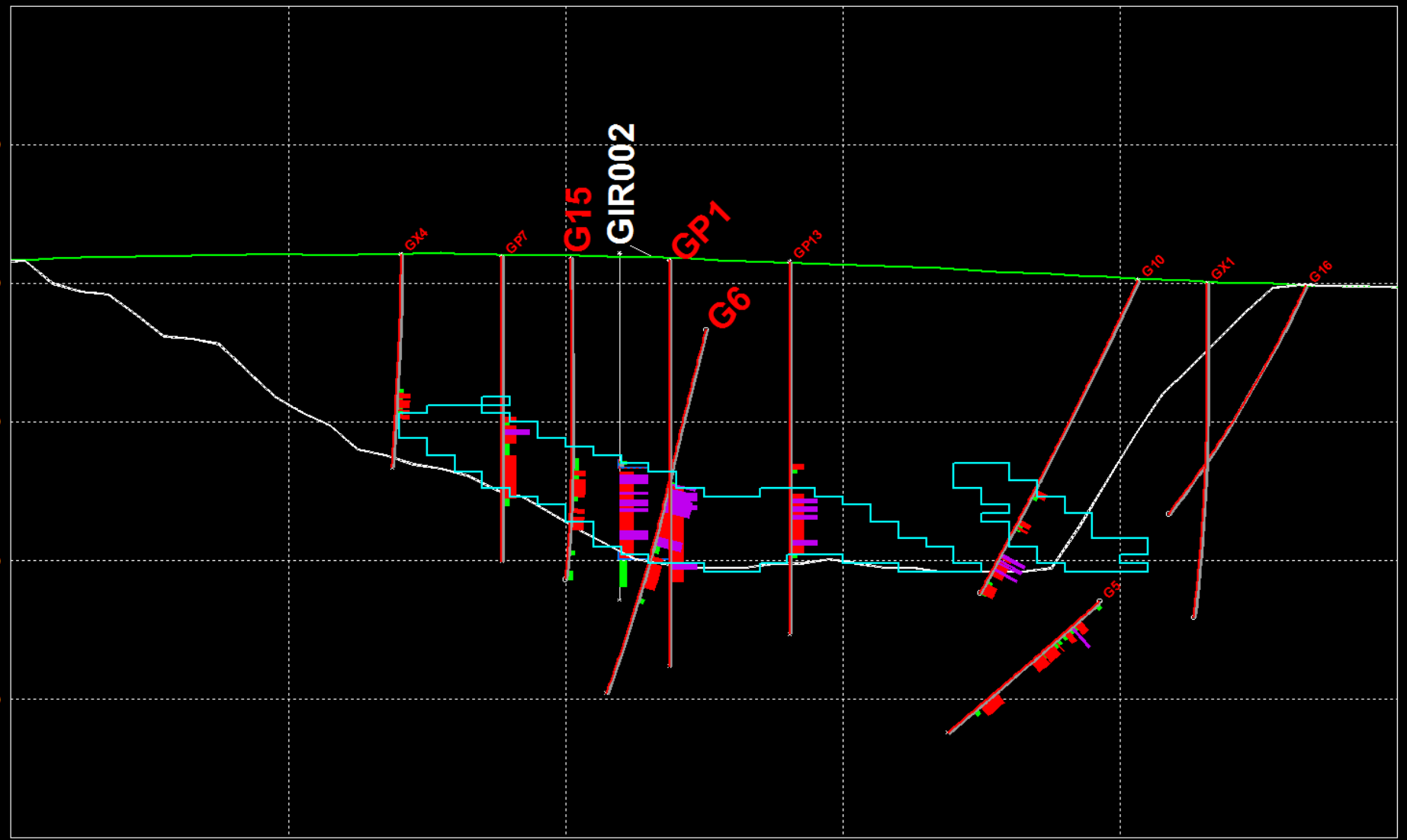
Utah: G23 – 20m @ 5.0% Cu; G31 – 39m @ 1.4% Cu

300E

400E

500E

600E



GIR002 – 31m @ 4.1% Cu

Utah: G15 – 15m @ 0.9% Cu; G6 – 39m @ 1.4% Cu; GP1 – 34m @ 2.7% Cu



GID 005

36928 – 9.56% Cu, ~14% chalcocite, 101-102m

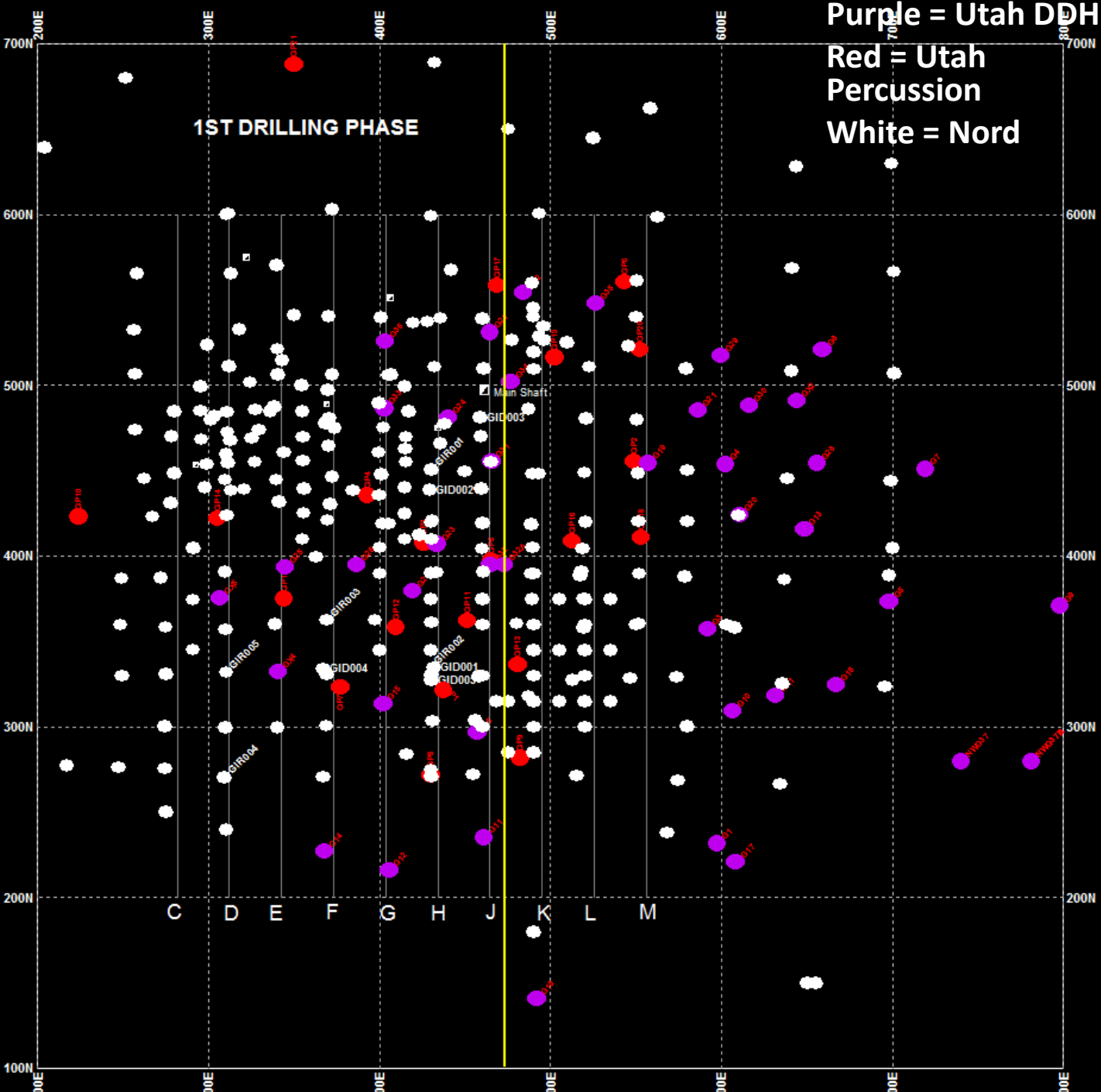
36930 – 1.95% Cu, ~3% chalcocite, 102-102.5m

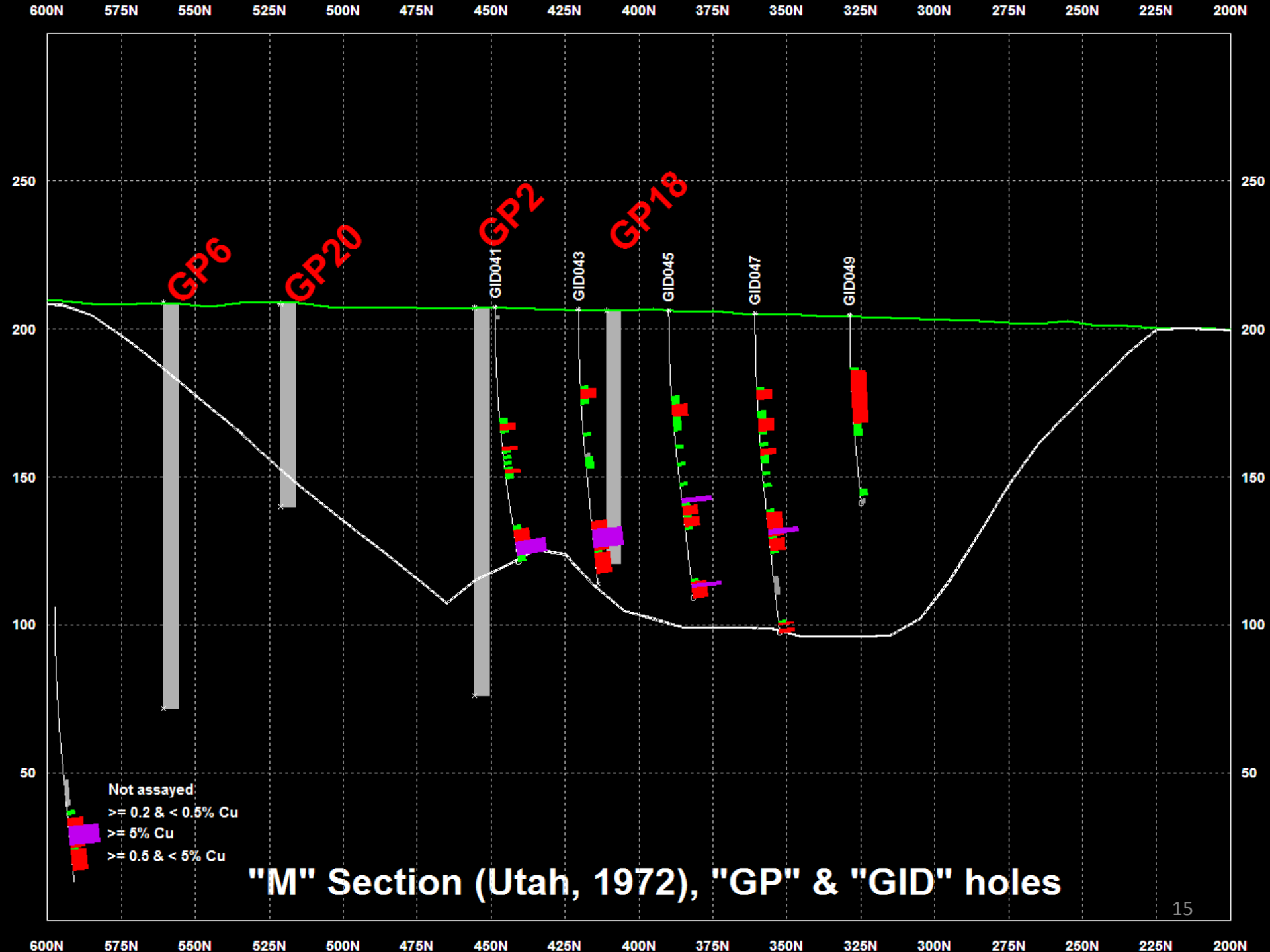
Purple = Utah DDH
Red = Utah Percussion
White = Nord

Western Half

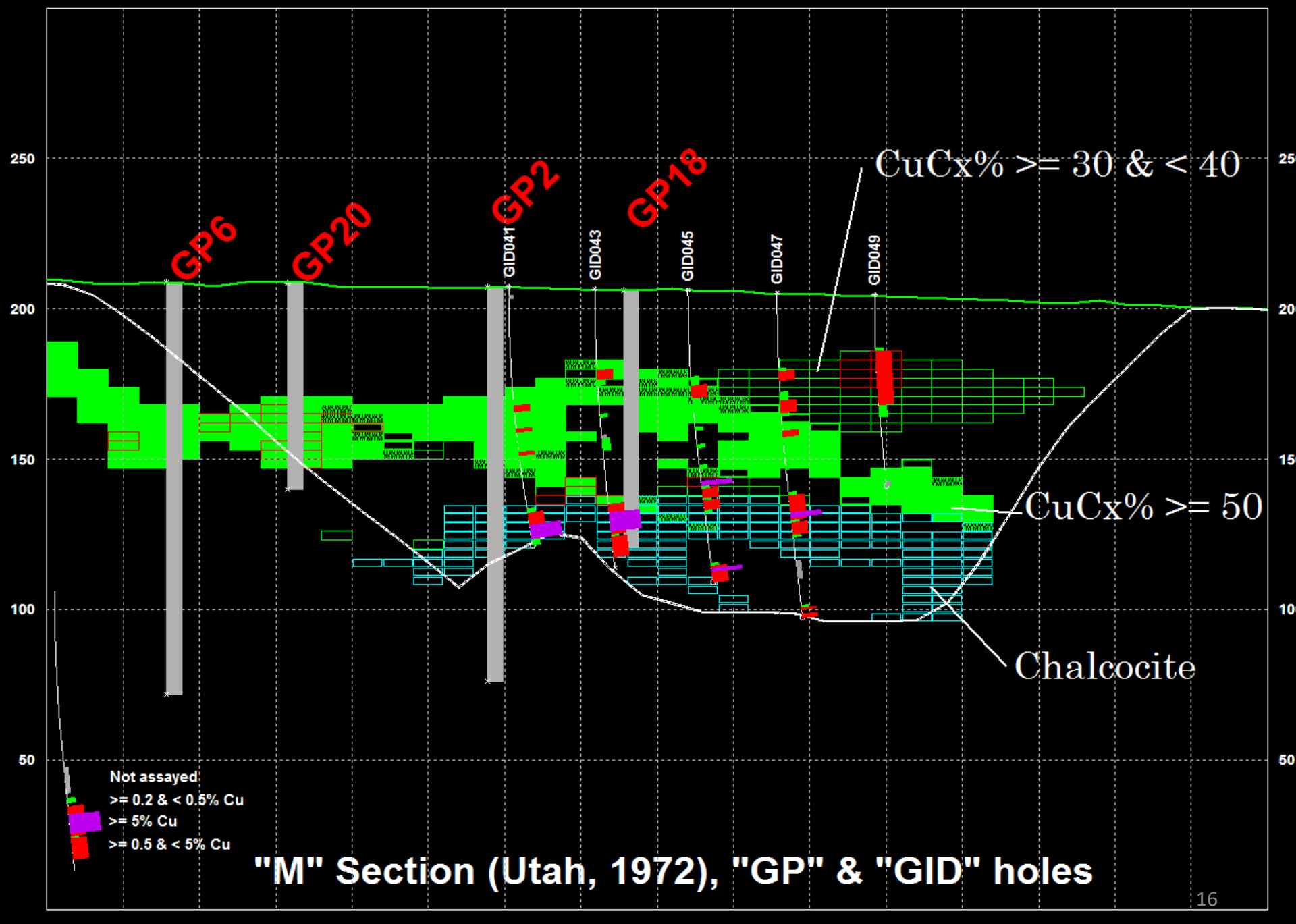
Utah 1972
1.3mt @ 2.1% Cu

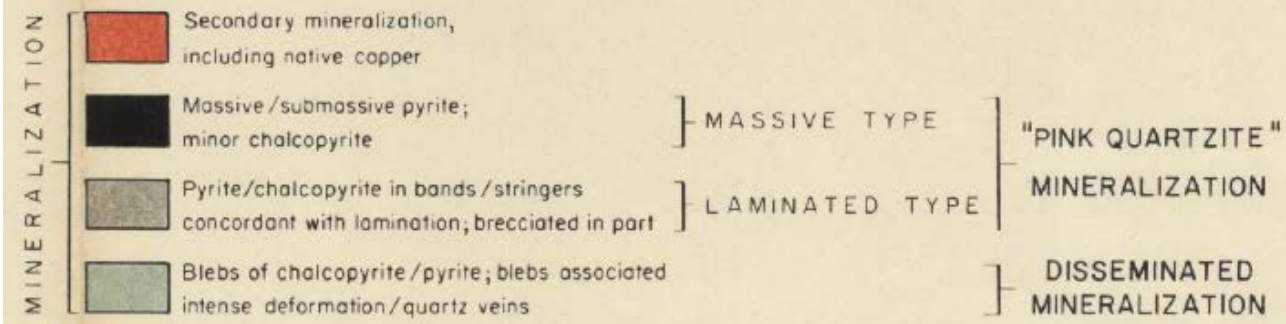
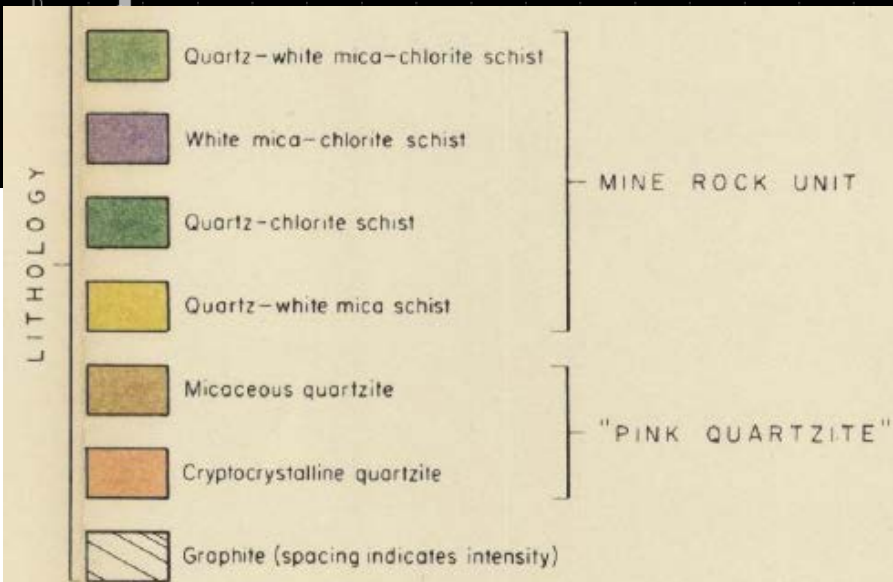
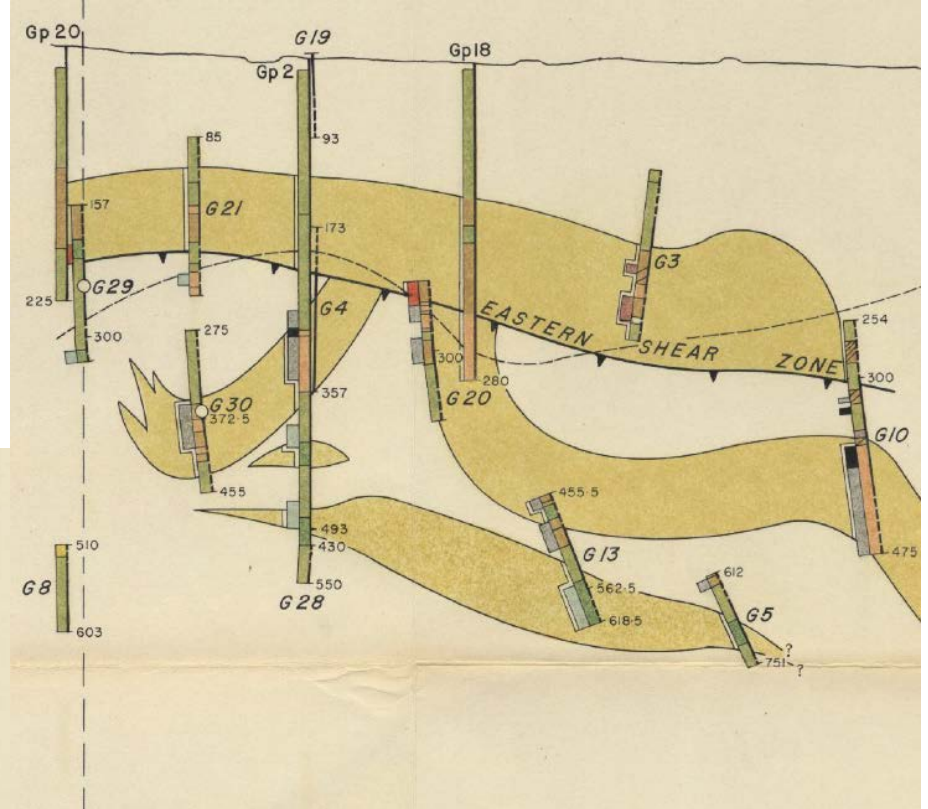
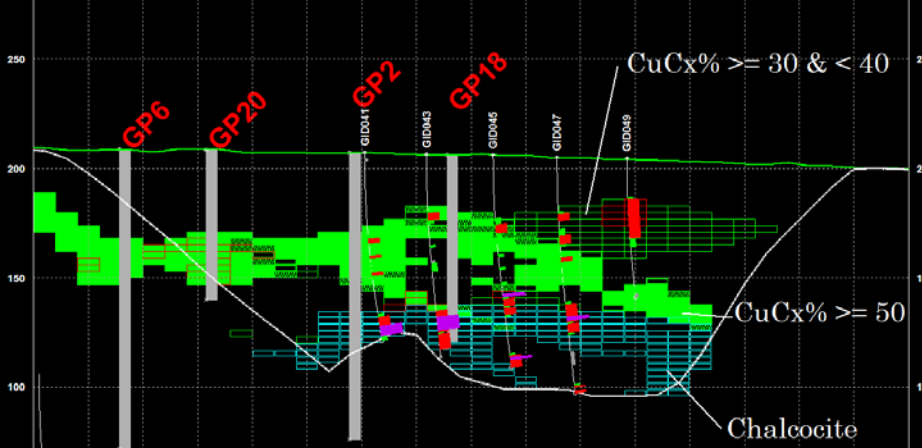
Nord Nov 1989
3.0mt @ 2.4% Cu



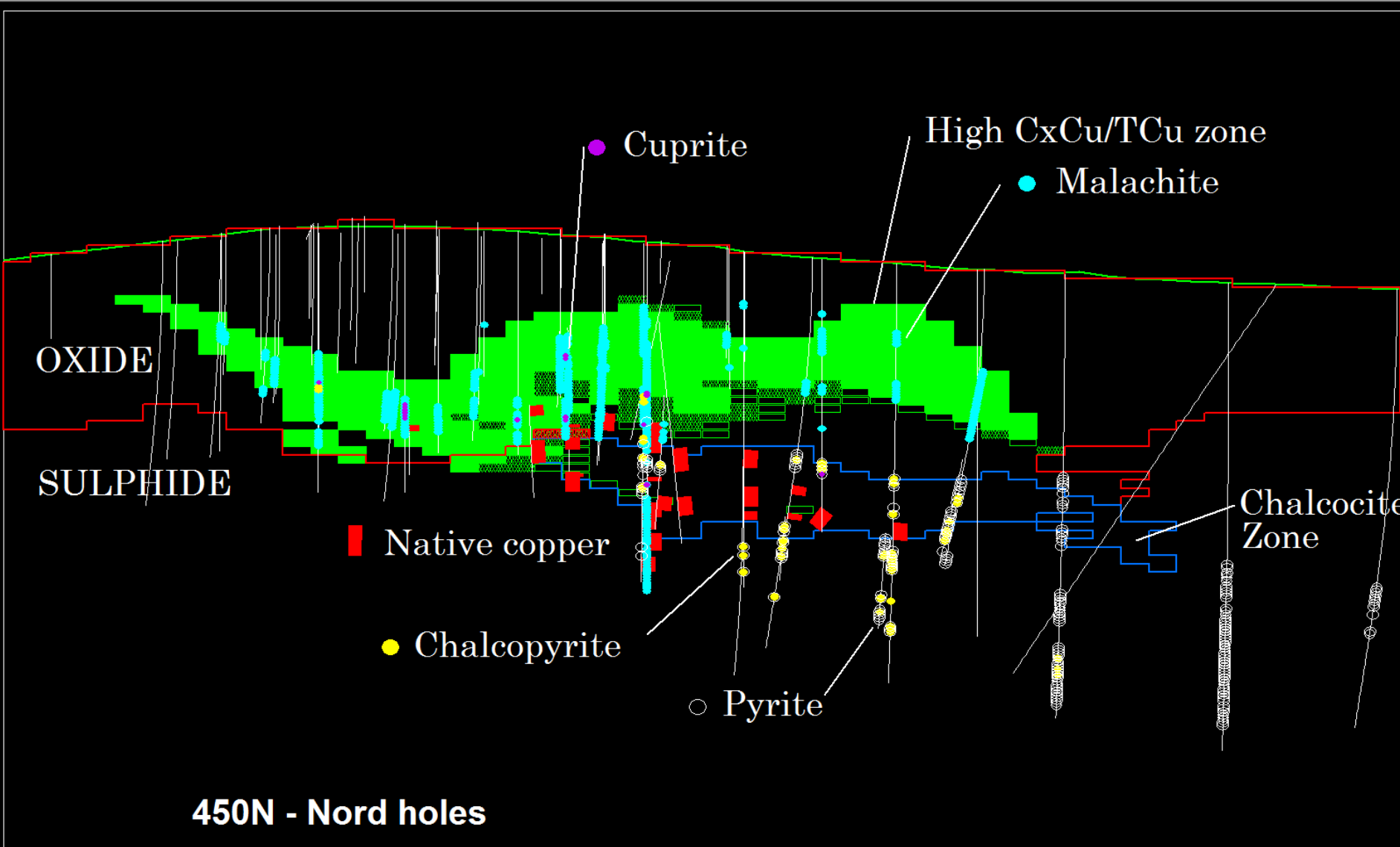


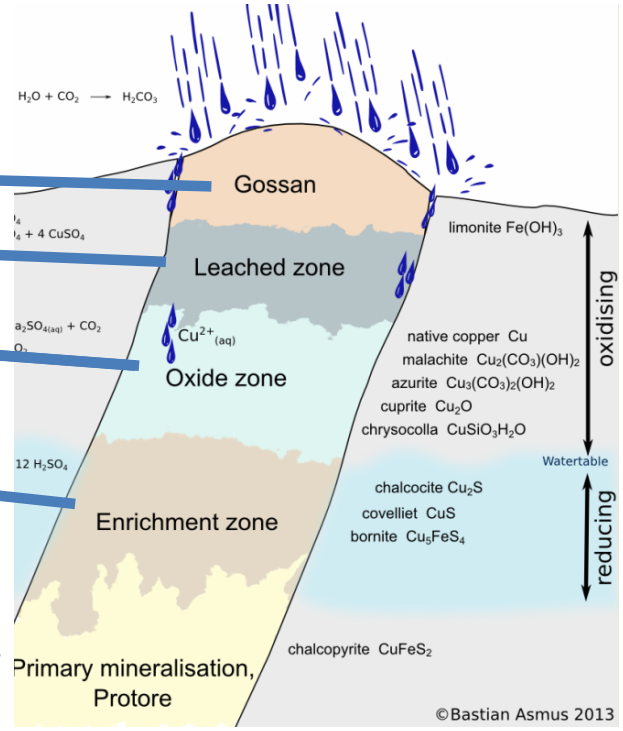
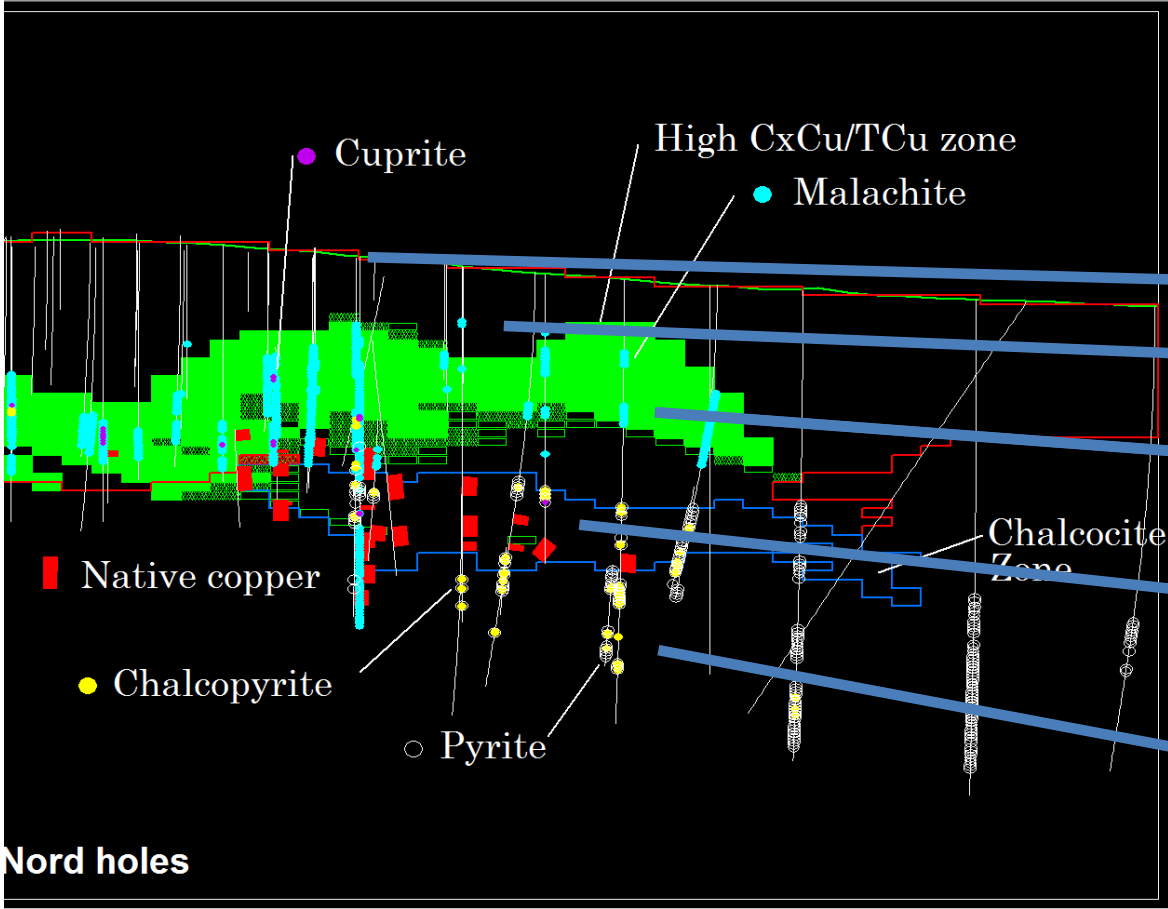
600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N





"M" Section





Nord holes, 450N

Girilambone Mine Murrawombie Open Pit

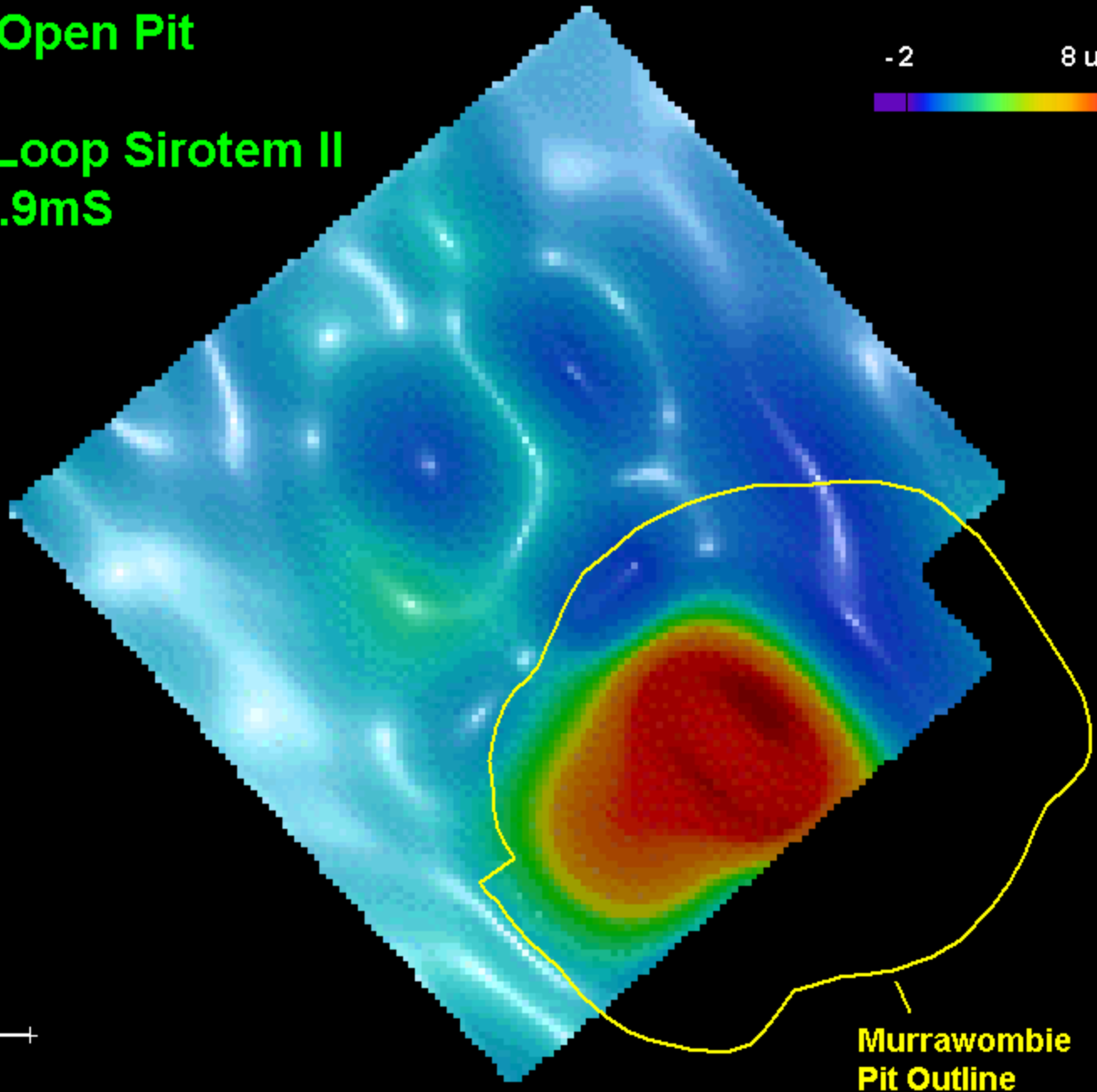
100m Moving Loop Sirotem II
Amplitude at 4.9mS
1989 survey

Acknowledgment:
Steve Collins

True North



200 m



Murrawombie
Pit Outline



Plate 3: Aerial view to the south across the Mining Area. Booroomugga Road is in the foreground



ENVIRONMENTAL IMPACT STATEMENT

DECEMBER 1990

Prepared by R.W. Corkery & Co. Pty Limited



Plate 5: A view to the southwest from Booroomugga Road towards the Old Girilambone Copper Mine (Ref: 117E/6A).

Pre-drilling prediction of 5mt > 2.1% Cu

	mT	Cu%
1972	3.0	2.1
Jan-91 >= 0.5	4.9	2.3
Jan-91 >= 0.3	7.0	1.7 cpy >= 0.5

Options

- Concentrator only
- Concentrator plus roast leach
- Cementation
- Heap leach SXEW

Search for Partner

- Interpretation wrong
- Unproven technology
- Cu price
- Never heard of SXEW therefore it can't work

Copper Price (US\$/lb)

