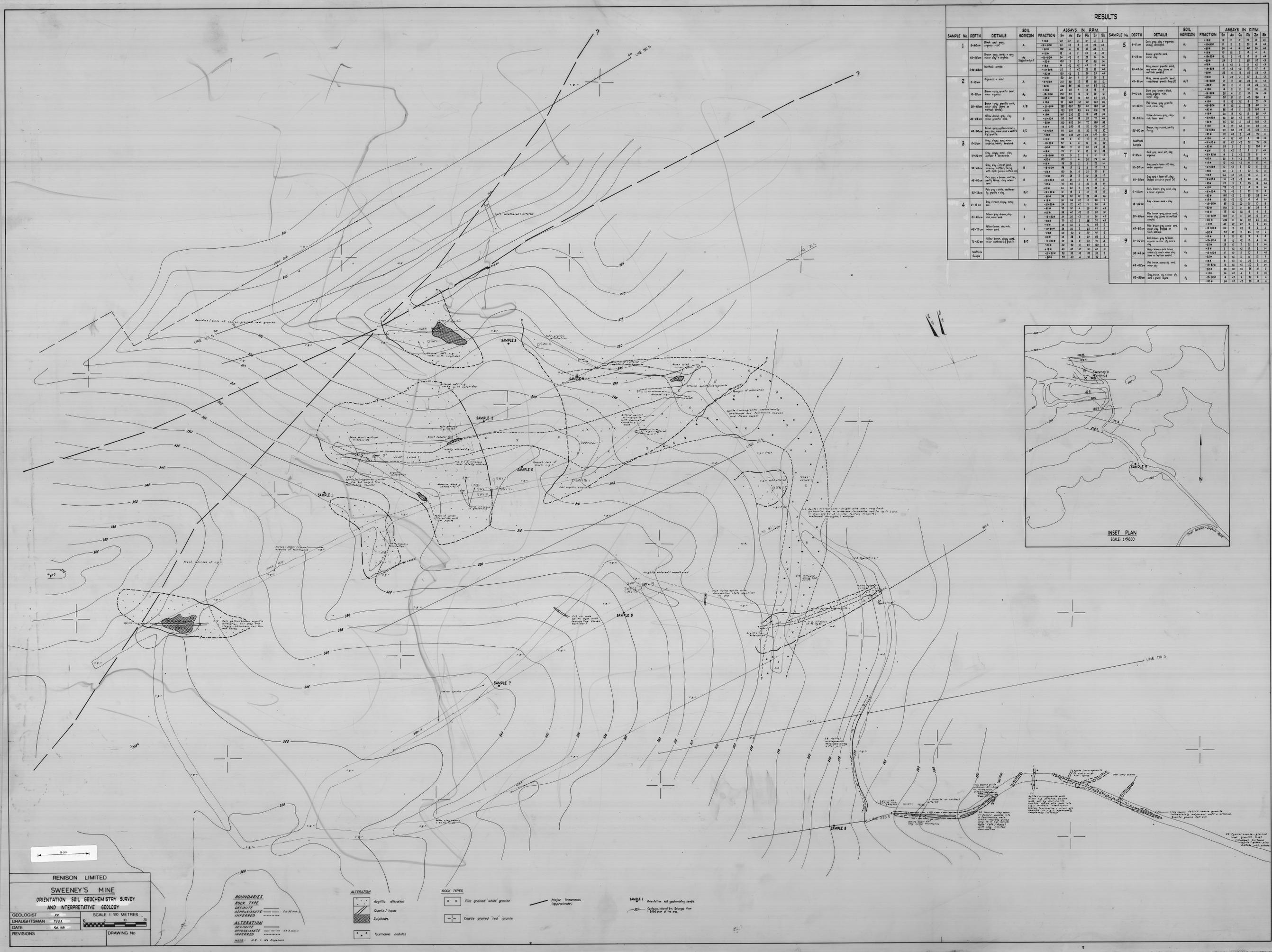


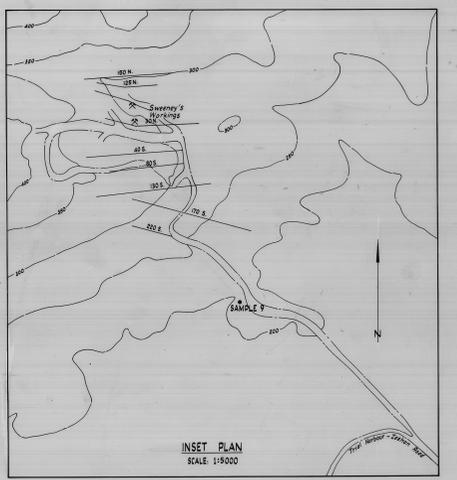
84 - 2485
 Heenan, G. & S. P. L. 1979
 (E.L. 11/79 & S.P.L. 1979)
 84

HELANBURK Granite Base
 INTERPRETATION AND
 SOIL GEOCHEMISTRY
 SURVEY
 1:500



RESULTS

SAMPLE NO.	DEPTH	DETAILS	SOIL HORIZON	ASSAYS IN PPM					SAMPLE NO.	DEPTH	DETAILS	SOIL HORIZON	ASSAYS IN PPM						
				Sn	As	Cu	Pb	Zn					Bi	Sn	As	Cu	Pb	Zn	Bi
1	0-40cm	Dark grey clay + organic matter	A ₁	10	12	15	2	10	5	5	0-40cm	Dark grey clay + organic matter	A ₁	10	12	15	2	10	5
1	40-80cm	Brown grey sand + very minor clay + organic matter	A ₂	10	12	15	2	10	5	5	80-160cm	Very coarse granitic sand, very minor clay, some of which is quartz	A ₁	10	12	15	2	10	5
1	80-160cm	Medium sands	A ₂	10	12	15	2	10	5	5	160-320cm	Very coarse granitic sand, very minor clay, some of which is quartz	A ₁	10	12	15	2	10	5
1	160-320cm	Gravels + sand	A ₂	10	12	15	2	10	5	5	320-480cm	Very coarse granitic sand, very minor clay, some of which is quartz	A ₁	10	12	15	2	10	5
2	0-10cm	Brown grey granitic sand, minor organic	A ₁	10	12	15	2	10	5	6	0-10cm	Dark grey brown black, sandy granitic sand	A ₁	10	12	15	2	10	5
2	10-20cm	Brown grey granitic sand, minor clay, some of which is quartz	A ₂	10	12	15	2	10	5	6	10-20cm	Very coarse granitic sand, minor clay	A ₁	10	12	15	2	10	5
2	20-40cm	White-brown grey, clay, minor granitic sand	B	10	12	15	2	10	5	6	20-40cm	White-brown grey, clay, minor granitic sand	B	10	12	15	2	10	5
2	40-80cm	Brown grey granitic sand, very minor clay, some of which is quartz	B/C	10	12	15	2	10	5	6	40-80cm	Brown grey clay, very minor granitic sand	B	10	12	15	2	10	5
3	0-10cm	Grey clay, sand, minor organic, sandy detritus	A ₁	10	12	15	2	10	5	7	0-10cm	Dark grey sand, clay, organic	A ₁	10	12	15	2	10	5
3	10-20cm	Grey clay, sand, minor organic, sandy detritus	A ₂	10	12	15	2	10	5	7	10-20cm	Grey and black clay, minor organic	A ₂	10	12	15	2	10	5
3	20-40cm	Dark grey sand, clay, minor organic	B	10	12	15	2	10	5	7	20-40cm	Grey and black clay, minor organic	A ₁	10	12	15	2	10	5
3	40-80cm	Dark grey sand, clay, minor organic	B/C	10	12	15	2	10	5	7	40-80cm	Dark brown grey sand, clay, minor organic	A ₁	10	12	15	2	10	5
4	0-10cm	Grey clay, sand, minor organic, sandy detritus	A ₁	10	12	15	2	10	5	8	0-10cm	Dark brown sand + clay	A ₁	10	12	15	2	10	5
4	10-20cm	Grey clay, sand, minor organic, sandy detritus	A ₂	10	12	15	2	10	5	8	10-20cm	Dark brown grey sand, clay, minor organic	A ₂	10	12	15	2	10	5
4	20-40cm	White-brown grey, clay, minor granitic sand	B	10	12	15	2	10	5	8	20-40cm	Dark brown grey sand, clay, minor organic	A ₁	10	12	15	2	10	5
4	40-80cm	White-brown grey, clay, minor granitic sand	B/C	10	12	15	2	10	5	8	40-80cm	Dark brown grey sand, clay, minor organic	A ₂	10	12	15	2	10	5
4	80-160cm	White-brown grey, clay, minor granitic sand	B/C	10	12	15	2	10	5	8	80-160cm	Dark brown grey sand, clay, minor organic	A ₁	10	12	15	2	10	5
4	160-320cm	White-brown grey, clay, minor granitic sand	B/C	10	12	15	2	10	5	8	160-320cm	Dark brown grey sand, clay, minor organic	A ₂	10	12	15	2	10	5
4	320-480cm	White-brown grey, clay, minor granitic sand	B/C	10	12	15	2	10	5	8	320-480cm	Dark brown grey sand, clay, minor organic	A ₁	10	12	15	2	10	5
4	480-640cm	White-brown grey, clay, minor granitic sand	B/C	10	12	15	2	10	5	8	480-640cm	Dark brown grey sand, clay, minor organic	A ₂	10	12	15	2	10	5
4	640-800cm	White-brown grey, clay, minor granitic sand	B/C	10	12	15	2	10	5	8	640-800cm	Dark brown grey sand, clay, minor organic	A ₁	10	12	15	2	10	5
4	800-960cm	White-brown grey, clay, minor granitic sand	B/C	10	12	15	2	10	5	8	800-960cm	Dark brown grey sand, clay, minor organic	A ₂	10	12	15	2	10	5



RENISON LIMITED
SWEENEY'S MINE
 ORIENTATION SOIL GEOCHEMISTRY SURVEY
 AND INTERPRETATIVE GEOLOGY

GEOLOGIST: J.P.
 DRAUGHTSMAN: T.G.S.
 DATE: Feb. 1981
 REVISIONS: _____

SCALE 1:500 METRES

DRAWING No. _____

BOUNDARIES
 ROCK TYPE: _____
 SOIL TYPE: _____
 APPROXIMATE: _____
 INFERRED: _____

ALTERATION
 SERPENTINITE: _____
 CHLORITE: _____
 INFERRED: _____

ALTERATION
 Argillic alteration
 Quartz / fopaz
 Sulphides
 tourmaline nodules

ROCK TYPES
 X X Fine grained 'white' granite
 Coarse grained 'red' granite

Major lineaments (approximate)

SAMPLE 1: Direction soil geochemistry results
 - - - - - Direction of lineaments from 1:5000 plan of the area