

PHOENIX GEOPHYSICS LIMITED  
REPORT ON THE  
INDUCED POLARIZATION AND RESISTIVITY SURVEYS  
ON THE  
TA HOOLA PROJECT  
KAMLOOPS MINING DIVISION  
BRITISH COLUMBIA  
FOR  
SMD MINING COMPANY LIMITED

10880

VOLUME II

5 of 6



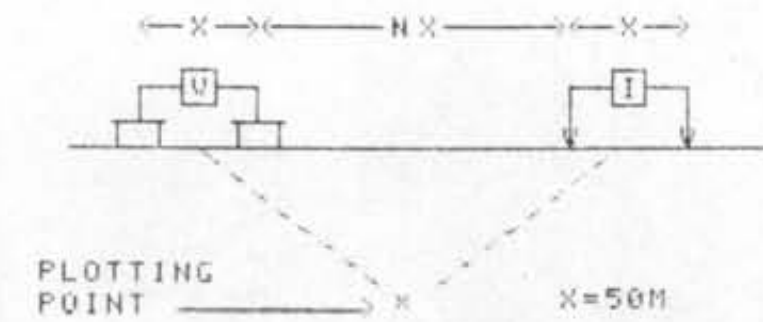
82-#841

SMD MINING CO. LTD.

TA HOOLA 1-6

KAMLOOPS M.D.

LINE NO. - L119+52N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
 PROBABLE   
 POSSIBLE

FREQUENCY (HERTZ)  
 4.0HZ : 0.25HZ

DATE SURVEYED JUN-AUG 1982  
 APPROVED

NOTE - CONTOURS  
 AT LOGARITHMIC  
 INTERVALS 1, -1.5  
 -2, -3, -5, -7.5, -10

PAC  
 DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
 AND RESISTIVITY SURVEY

SMD MINING TA 1-6 L119+52N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15		
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15		
COORDINATE		11950E	12050E	12150E	12250E	12350E	12450E	12550E	12650E								
INTERPRETATION																	
N=1		492	704	483	390	580	710	486	282	432	607	836	1053	713	837	143	N=1
N=2			542	563	483	529	563	388	469	384	518	641	810	507	1231	205	N=2
N=3				411	452	596	510	356	338	532	472	633	669	497	950	279	N=3
N=4					336	561	550	345	326	355	556	602	687	516	950	238	N=4
N=5																	N=5
N=6																	N=6

SMD MINING TA 1-6 L119+52N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15		
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15		
COORDINATE		11950E	12050E	12150E	12250E	12350E	12450E	12550E	12650E								
INTERPRETATION																	
N=1		4	6	6.5	6.9	7.6	9.2	8.5	7.1	10	9.8	7.1	7.8	8.1	8	11	N=1
N=2			5.7	7.4	7.9	6.9	8.9	10	8.7	6.6	11	8.3	6.7	9.1	7	9.3	N=2
N=3				6.5	7	7.5	7.7	9.7	9	7.8	7.6	8.6	8.6	7.7	8.3	8.5	N=3
N=4					6.7	7.2	7.9	9.2	8.7	8.2	9	6.5	9.3	8.8	6.6	10	N=4
N=5																	N=5
N=6																	N=6

SMD MINING TA 1-6 L119+52N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15		
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15		
COORDINATE		11950E	12050E	12150E	12250E	12350E	12450E	12550E	12650E								
INTERPRETATION																	
N=1		8.1	8.5	13	16	13	13	17	25	23	16	8.5	7.4	11	9.6	73	N=1
N=2			11	13	16	13	16	26	19	17	20	13	8.3	18	5.7	45	N=2
N=3				16	15	13	15	27	27	15	16	14	13	15	8.7	30	N=3
N=4					20	13	14	27	27	23	16	11	14	17	6.9	42	N=4
N=5																	N=5
N=6																	N=6

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

10,880 PART 5 of 6



PART 5 of 6

SMD MINING TA 1-6 L118+23N X=50M RHO (OHM-M)																		
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
COORDINATE	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E									
INTERPRETATION																		
N=1	207	111	413	218	200	234	213	267	577	234	699	431	564	319	257	300	46	147
N=2	219	184	249	238	450	248	269	750	563	228	600	668	311	229	474	111	87	
N=3		366	158	290	450	399	244	642	752	489	238	831	455	304	475	221	208	
N=4			321	230	587	364	361	579	581	665	434	345	549	425	768	221	408	
N=5																		
N=6																		

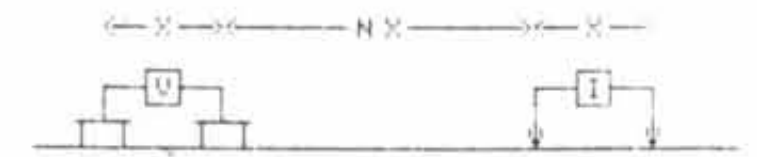
SMD MINING CO. LTD.

TA HOOLA 1-6

KAMLOOPS B.C.

LINE NO -L118+23N

SMD MINING TA 1-6 L118+23N X=50M PFE																		
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
COORDINATE	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E									
INTERPRETATION																		
N=1	3.8	2.1	2.6	3.1	3	3.6	6.1	7.8	7	11	7.4	8.5	10	10	10	7.4	11	7.4
N=2		3.6	2.1	2.6	3.4	3.8	5.1	8.5	4.5	11	9	6.9	3.6	8.9	9.2	8	9.9	8.4
N=3			3.3	2.3	3.6	4.4	5.5	7.5	5.1	8.5	8	8.6	6.9	8.5	9.4	7.2	9.9	7.5
N=4				3.8	3.5	4.3	6.3	7.8	4.3	8.8	6.6	7.9	9.1	7	9.5	6.5	9.5	7.4
N=5																		
N=6																		



PLOTTING POINT X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

SMD MINING TA 1-6 L118+23N X=50M METAL FACTOR																		
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
COORDINATE	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E									
INTERPRETATION																		
N=1	18	19	6.3	14	15	15	29	29	12	47	11	20	18	31	39	25	248	50
N=2		16	11	10	14	8.4	21	32	6	19	39	12	13	29	40	17	89	97
N=3			9	15	12	9.8	14	31	7.9	11	16	36	8.3	19	31	15	45	36
N=4				12	15	7.3	17	22	7.4	15	9.9	18	26	13	22	8.5	43	18
N=5																		
N=6																		

FREQUENCY (HERTZ) 4 0HZ:0 25HZ  
DATE SURVEYED JUN-AUG 1982

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5,-2,-3,-5,-7.5,-10

APPROVED PAC  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

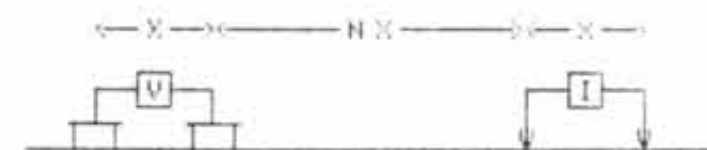
INDUCED POLARIZATION AND RESISTIVITY SURVEY

GEOLOGICAL BRANCH ASSESSMENT REPORT  
**10,880**  
PART 5 of 6

SMD MINING CO. LTD.

TA HOOLA 1-6  
KAMLOOPS B.C.

LINE NO. -117+08H



PLOTTING POINT X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ)  
4 0HZ:0 25HZ

DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE- CONTOURS  
AT LOGARITHMIC  
INTERVALS 1,-1.5  
-2,-3,-5,-7.5,-10

*Pac*  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

SMD MINING TA 1-6 L117+08H X=50M RHO (OHM-M)																					
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
COORDINATE	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E											
INTERPRETATION																					
N=1	1606	1473	744	323	173	350	548	309	407	362	430	950	767	703	461	348	677	341	329	339	N=1
N=2	1969	525	331	341	188	687	413	394	523	322	640	750	625	321	484	426	199	327	313	N=2	
N=3	649	338	311	411	368	407	485	475	514	460	602	705	434	489	661	203	194	338	N=3		
N=4	488	320	362	835	231	482	532	418	716	433	586	615	713	720	364	233	227	N=4			
N=5																				N=5	
N=6																				N=6	

SMD MINING TA 1-6 L117+08H X=50M PFE																					
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
COORDINATE	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E											
INTERPRETATION																					
N=1	8.1	9.5	4.3	3.6	2.6	4.6	4	5.2	6.8	7.3	6.7	11	8.3	11	8.1	8	7.5	6.5	9.5	7.3	N=1
N=2	9.1	6.3	3.8	3.1	2.3	4.5	5.4	7.4	7.1	8.1	8.1	10	7.8	8.8	8	7.4	8.1	8.3	9	N=2	
N=3	5	5.4	2.5	3.5	2.3	5.5	6.8	7.4	7.3	9	6.9	8.8	8	8.8	7.5	7.6	9.5	8	N=3		
N=4	4	4.1	3.3	3.7	3.9	7.3	7.1	7.8	7.4	7.5	6.6	8.6	8	8.3	7.3	8.1	8.6	N=4			
N=5																				N=5	
N=6																				N=6	

SMD MINING TA 1-6 L117+08H X=50M METAL FACTOR																					
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
COORDINATE	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E											
INTERPRETATION																					
N=1	5	6.4	5.8	11	15	13	7.3	17	17	20	16	12	11	15	18	23	11	19	29	22	N=1
N=2	4.6	12	11	9.1	12	6.6	13	19	14	25	13	13	12	27	17	17	41	25	29	N=2	
N=3	7.7	16	8	8.5	6.3	14	14	16	14	20	11	12	18	18	11	37	49	24	N=3		
N=4	8.2	13	9.1	4.4	17	15	13	19	10	17	11	14	11	12	20	35	38	N=4			
N=5																				N=5	
N=6																				N=6	

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,880  
PART 5 of 6



SMD MINING TA 1-6 L113+42N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
DIPOLE NUMBER																																							
COORDINATE		11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																			
INTERPRETATION																																							
N=1		990	1575	1876	980	1280	1995	1814	1051	1018	825	3235	807	1544	1282	975	1079	1022	1228	660	156	310	465	389	614	950	2918	1119	1461	523	1045	978	3008	1148	856	385	319	120	153
N=2		1156	1257	2080	1940	1697	2125	1167	1654	671	1582	1144	1387	1875	1440	1401	937	1106	763	203	232	870	287	386	997	1025	1286	1229	1449	1219	651	2876	2042	463	406	565	174	102	
N=3		926	1583	1350	2533	1825	1278	2044	924	1217	665	2200	1293	1963	1900	1267	1021	860	257	251	679	583	308	502	1052	586	1571	1491	2517	698	2058	2006	1045	278	768	290	146		
N=4		1235	1103	1115	2428	1108	2476	971	1544	650	1150	2245	1341	2759	1478	181	835	311	321	712	443	644	385	564	753	736	1370	2280	1285	2135	1488	1003	483	397	378	227			
N=5																																							
N=6																																							

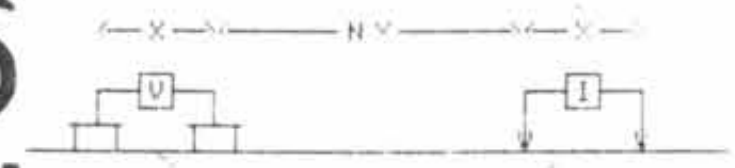
SMD MINING TA 1-6 L113+42N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
DIPOLE NUMBER																																							
COORDINATE		11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																			
INTERPRETATION																																							
N=1		4.7	4.4	6.6	6.8	5.2	5.2	5.3	4.1	3.6	4.1	4.3	3.6	5.8	5.5	8.3	7.1	10	12	9.6	4.6	3.8	4.1	6.5	8.3	8.3	7.3	6.1	7.8	5.1	11	10	9.5	12	8.6	11	10	8	9.5
N=2		5	5.4	6.5	5.1	6	6.5	4.8	3.3	4.1	4.8	3.8	5.6	6.5	8.2	7.3	7.1	11	9.2	6.3	4.5	4.8	6.9	5.1	7.6	9.2	5.1	9.3	7.1	6.8	11	8.5	11	11	10	11	7.5	11	
N=3		5.5	5.1	4.6	5.5	7	5.5	4	4.1	4.6	4.3	6.1	6.1	7.8	6	8.5	8.3	8.3	6.5	5.4	6.1	6.9	5.1	5.6	7.8	7.4	8.3	7.8	8.3	7.8	9.3	9.3	9.5	12	9.6	8.1	11		
N=4		5.1	3.1	4.9	6.5	6	4.6	4.1	4.6	4.3	6.5	5.7	7.3	7.1	6.8	9.6	5.5	6.3	5.5	7.3	8.2	10	5.3	6.3	7.6	11	6.5	9.3	9.3	6.3	11	8.1	10	11	8.1	11			
N=5																																							
N=6																																							

SMD MINING TA 1-6 L113+42N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
DIPOLE NUMBER																																							
COORDINATE		11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																			
INTERPRETATION																																							
N=1		4.7	2.8	3.5	6.9	4.1	2.6	2.9	3.9	3.5	5	1.3	4.5	3.8	4.3	8.5	6.6	9.9	9.4	15	29	12	8.8	17	14	8.7	2.5	5.5	5.3	9.6	11	10	3.2	11	10	29	31	67	62
N=2		4.3	4.3	3.3	2.6	3.5	3.1	4.1	2	6.1	3	3.3	4	3.5	5.7	5.2	7.1	10	12	31	19	5.5	24	13	8.5	9	4	7.6	4.9	5.6	17	3	5.2	23	25	19	43	104	
N=3		5.9	3.2	3.4	2.2	3.8	4.3	2	4.4	3.8	6.5	2.8	4.7	4	3.2	6.7	8.1	9.7	25	22	9	12	17	11	7.4	13	5.3	5.2	3.3	11	4.5	4.6	9.1	44	13	28	73		
N=4		4.1	2.8	4.4	2.7	5.4	1.9	4.2	3	6.6	5.7	2.5	5.4	2.6	4.6	8.3	6.6	20	17	10	19	16	14	11	10	15	4.7	4.1	7.2	3	7.1	8.1	21	27	21	50			
N=5																																							
N=6																																							

**ASSESSMENT REPORT**  
**10,880 5 & 6**  
**PART**

SMD MINING CO. LTD.

TA HOOLA 1-6  
 FARLOOPS H D  
 LINE NO -113+42N



PLOTTING POINT X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE **—————**  
 PROBABLE **.....**  
 POSSIBLE **///////**

FREQUENCY (HERTZ) 4 0HZ:0 25HZ  
 DATE SURVEYED JUN-AUG 1982  
 APPROVED

NOTE - CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5  
 -2.-3.-5.-7.5.-10

*PAC*  
 DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

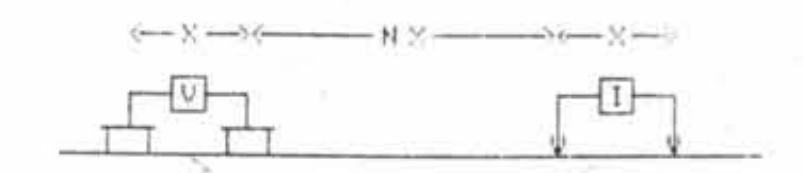
INDUCED POLARIZATION  
 AND RESISTIVITY SURVEY



SMD MINING CO. LTD.

TA HOOLA 1-6  
KAMLOOPS M.D.

LINE NO -114+64N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ) 4.0HZ, 0.25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED \_\_\_\_\_

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1:-1.5  
-2:-3, -5:-7, 5:-10  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

SMD MINING TA 1-6 L114+64N X=50M RHO (OHM-M)																															
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
COORDINATE	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E																
INTERPRETATION																															
N=1	1875	913	1810	2313	1811	1053	707	1602	1175	1395	1968	1971	1841	2326	990	1325	289	358	780	899	814	980	434	1203	1641	673	1036	950	368	228	N=1
N=2	743	2232	3587	1090	1125	1957	832	1738	1271	2143	1905	1797	2023	1500	1117	622	245	450	938	464	1253	810	505	1960	1247	712	1330	603	264	N=2	
N=3	1674	4130	1613	786	1990	2126	927	1632	2161	1850	2107	1763	1267	1050	756	462	413	512	464	495	926	882	1093	2051	1096	987	734	434	N=3		
N=4	2685	1784	1350	1306	1810	2398	804	2375	1000	1983	2003	1029	903	735	538	765	483	238	512	415	937	1720	1252	1924	1310	560	501	N=4			
N=5																														N=5	
N=6																														N=6	

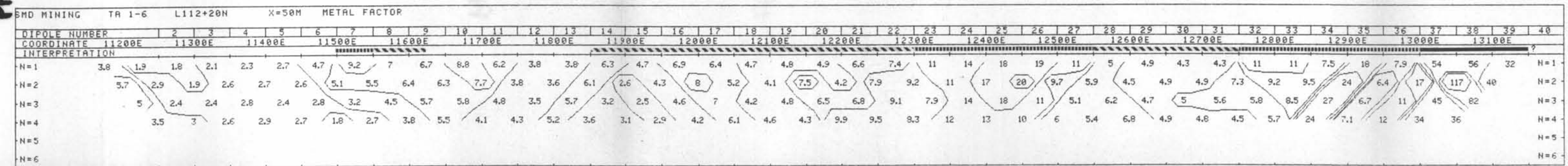
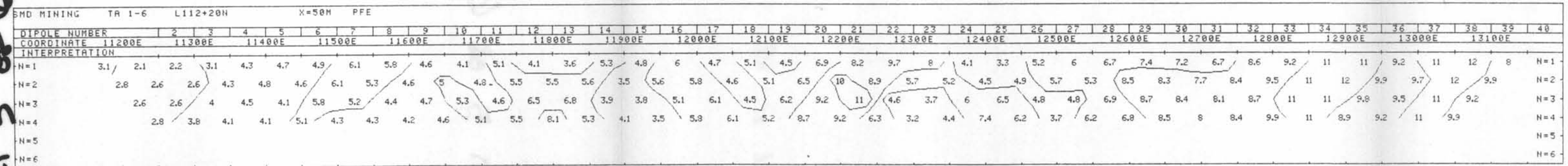
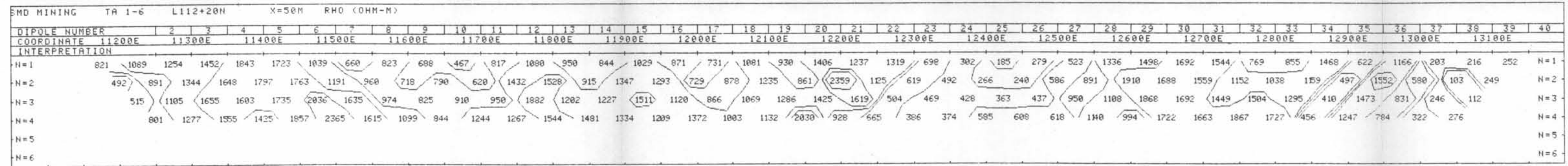
SMD MINING TA 1-6 L114+64N X=50M PFE																															
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
COORDINATE	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E																
INTERPRETATION																															
N=1	6.4	6.2	5.4	6.4	5.2	3.2	4.3	5.1	6.2	5.9	7.4	11	7.2	6.4	9.2	6.7	5.2	4.3	4.7	6.9	6.5	6	5.7	9.2	9.4	9.5	8.5	8	8.5	9.4	N=1
N=2	6.6	7.6	4.7	6.4	4.7	4.4	3.7	4.4	7.1	6.6	7.6	7.9	8.7	9.9	6.4	2.9	5.4	4.8	6.4	5.9	6	9.4	6.4	8.4	9	9.2	8.4	8.5	9	N=2	
N=3	6.6	6.4	4.7	4.9	6	3.8	3.4	5.1	7.2	6.6	4.9	8.9	11	7.9	3.4	3.6	6.2	7.1	5.9	4.6	9.5	9	5.7	7.2	9	8	8.3	8.7	N=3		
N=4	5.2	6.2	4.4	6.5	5.7	3.4	4.4	5.9	7.1	4.9	6.2	11	8.7	4.7	3.3	4.6	7.2	5.2	4.4	8.4	9	8.5	6	6.8	8.7	8	8.7	N=4			
N=5																														N=5	
N=6																														N=6	

SMD MINING TA 1-6 L114+64N X=50M METAL FACTOR																															
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
COORDINATE	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E																
INTERPRETATION																															
N=1	3.4	6.8	3	2.8	2.9	3	6.1	3.2	5.3	4.2	3.8	5.8	3.9	2.8	9.3	5.1	18	12	6	7.7	8	6.1	13	7.6	5.7	14	8.2	8.4	23	41	N=1
N=2	8.9	3.4	1.3	5.9	4.2	2.2	4.4	2.5	5.6	3.1	4	4.4	4.3	6.6	5.7	4.7	22	11	6.8	13	4.8	12	13	4.3	7.2	13	6.3	14	34	N=2	
N=3	3.9	1.5	2.9	6.2	3	1.8	3.7	3.1	3.3	3.6	2.3	5	9	7.5	4.5	7.8	15	14	13	9.3	10	10	5.2	3.5	8.2	8.1	11	20	N=3		
N=4	1.9	3.5	3.3	5	3.1	1.4	5.5	2.5	3.9	2.5	3.1	11	9.6	6.4	6.1	6	15	22	8.6	20	9.6	4.9	4.8	3.5	6.6	14	17	N=4			
N=5																														N=5	
N=6																														N=6	

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880 PART 5 of 6



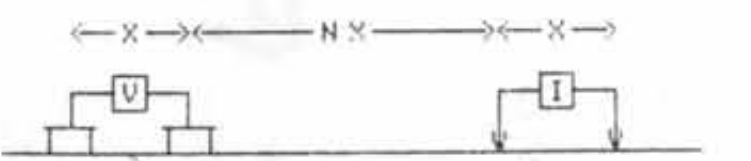


SMD MINING CO. LTD.

TA HOOLA 1-6

KAMLOOPS B.C.

LINE NO -L112+20N



PLOTTING POINT X X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ) 4.0HZ; 0.25HZ DATE SURVEYED: JUN-AUG 1982 APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS: 1, -1.5, -2, -3, -5, -7.5, -10

*PAC*  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

GEOLOGICAL BRANCH ASSESSMENT REPORT

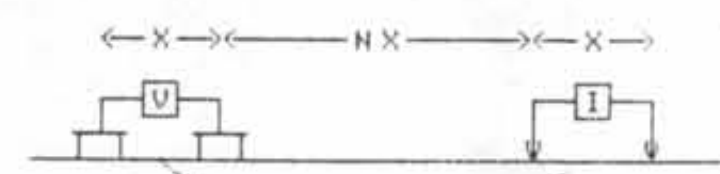
10,880 PART 5 & 6



SMD MINING CO. LTD.

TA HOOLA 1-6  
KARLOOPS M.D.

LINE NO -L111+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

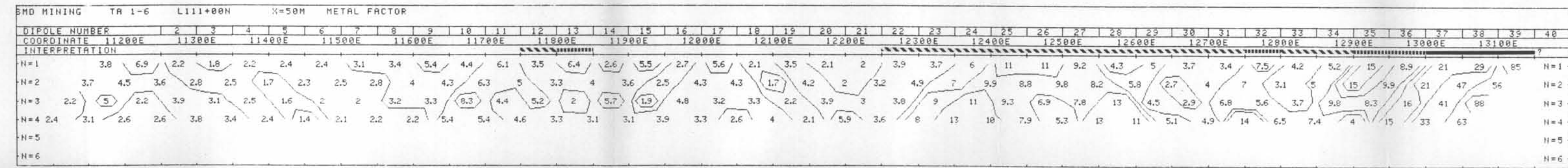
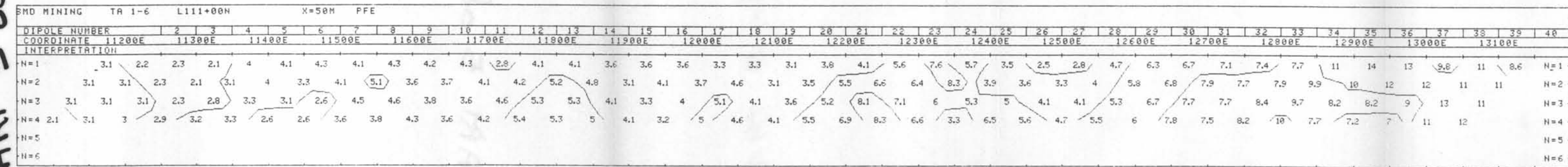
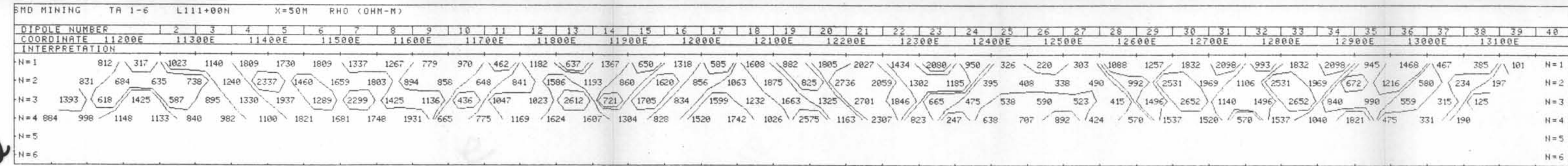
FREQUENCY (HERTZ) 4.0HZ:0.25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS: 1, -1.5, -2, -3, -5, -7.5, -10

PAC  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY



GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880 PART 5 of 6

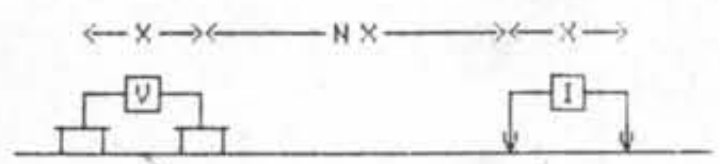


SMD MINING CO. LTD.

TA HOOLA 1-6

KARLOOPS M.D.

LINE NO. - L109+76H



PLOTTING POINT X X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
 PROBABLE   
 POSSIBLE

FREQUENCY (HERTZ)   
 4 0HZ; 0 25HZ

DATE SURVEYED JUN-AUG 1982   
 APPROVED

NOTE- CONTOURS   
 AT LOGARITHMIC   
 INTERVALS 1, -1.5   
 -2, -3, -5, -7.5, -10

*Pac*   
 DATE *Nov 23/82*

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION   
 AND RESISTIVITY SURVEY

SMD MINING TA 1-6 L109+76H X=50M RHO (OHM-M)																																								
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
COORDINATE	11200E	11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																				
INTERPRETATION																																								
N=1	445	885	809	1742	1746	1504	1900	2113	1035	1034	492	679	757	746	1432	558	1514	784	875	1742	1151	1161	1684	1756	1809	891	831	408	457	1425	1931	2125	3125	4818	2206	502	1310	562	308	237
N=2	533	787	952	802	1797	1875	1979	2175	1267	1058	871	798	932	879	1515	744	1055	2211	916	1301	1458	1577	2131	1102	2156	1090	586	516	423	654	1667	1725	2837	3348	3312	666	925	1875	185	288
N=3	584	940	731	1257	752	1965	2273	2190	1197	1163	848	1367	977	1061	1606	691	1247	1668	2591	1152	950	1900	2590	1306	1710	1029	898	344	760	570	659	1520	2250	2952	2660	975	1375	1255	729	172
N=4	583	1031	831	933	1280	780	2322	2259	1319	1254	936	1267	1520	1022	1724	604	1094	1869	1859	2895	792	1173	3109	1484	1900	741	799	598	457	1000	580	811	1787	2239	2653	848	1600	1525	475	703
N=5																																								
N=6																																								

SMD MINING TA 1-6 L109+76H X=50M PFE																																									
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
COORDINATE	11200E	11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																					
INTERPRETATION																																									
N=1	3.1	2.8	1.8	3.3	3	3.7	3.3	3	2.3	2.6	2	3.6	3.1	4.3	4	2.8	3.8	2.8	2.6	3.1	2.4	4.1	6.7	8.4	8.4	6.5	4.7	3.3	3.9	5.7	5	4.4	6.5	4.4	6	5.4	5.7	5.5	8.2	9.6	
N=2	2.1	3.6	2.3	2.3	3.1	3.6	3.7	3.1	2.8	3.1	3	3.8	3.3	4.1	5.4	4.1	3.6	3.6	3.3	3.3	3	4	6.2	6.3	8.4	6.1	3.7	5.5	4	4.4	5.7	4.4	6.4	5.5	6	6.4	7.2	8.5	8	7	
N=3	2.1	3.6	2.6	3.1	2.1	4.1	3.1	3	2.8	3	3.1	4.6	3.1	3.8	5.1	5.1	4.3	3.3	4.1	3.5	2.9	4.4	5.5	5.7	7	5.4	4.4	4.4	5.5	4.1	4.5	5.2	6.2	5.7	6.4	5.4	8.3	9	11	7.4	
N=4	2.3	2.6	2.8	3.5	2.8	2.8	3.8	2.8	3	3.1	3.2	4.6	3.8	3.5	4.5	4.3	5.3	4	3.5	4.2	3.2	4	6	5.5	6.4	4.4	3.7	4.5	3.9	6.2	4	3.5	7.5	5.7	7	5.5	6.5	8.7	11	9	
N=5																																									
N=6																																									

SMD MINING TA 1-6 L109+76H X=50M METAL FACTOR																																									
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
COORDINATE	11200E	11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																					
INTERPRETATION																																									
N=1	7	3.2	2.2	1.9	1.7	2.5	1.7	1.4	2.2	2.5	4.1	5.3	4.1	5.8	2.8	5	2.5	3.6	3	1.8	2.1	3.5	4	4.8	4.6	7.3	5.7	8.1	8.5	4	2.6	2.1	2.1	1.9	2.7	11	4.4	9.8	27	41	
N=2	3.9	4.6	2.4	2.9	1.7	1.9	1.9	1.4	2.2	2.9	3.4	4.8	3.5	4.7	3.6	5.5	3.4	1.6	3.6	2.5	2.1	2.5	2.9	5.7	3.9	5.6	6.3	11	9.5	6.7	3.4	2.6	2.3	1.6	1.8	9.6	7.8	4.5	43	24	
N=3	3.6	3.8	3.6	2.5	2.8	2.1	1.4	1.4	2.3	2.6	3.7	3.4	3.2	3.6	3.2	7.4	3.4	2	1.6	3	3.1	2.3	2.1	4.4	4.1	5.2	4.9	13	7.2	7.2	6.8	3.4	2.8	1.9	2.4	5.5	6	7.2	15	43	
N=4	3.9	2.5	3.4	3.8	2.2	3.6	1.6	1.2	2.3	2.5	3.4	3.6	2.5	3.4	2.6	7.1	4.8	2.1	1.9	1.5	4	3.4	1.9	3.7	3.4	5.9	4.6	7.5	8.5	6.2	6.9	4.3	4.2	2.5	2.6	6.5	4.1	5.7	23	13	
N=5																																									
N=6																																									

GEOLOGICAL BRANCH ASSESSMENT REPORT

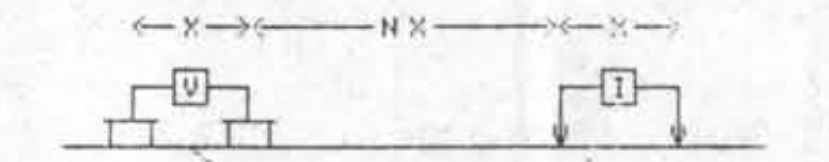
10,880 & 4 part 5 of 6



SMD MINING CO. LTD.

TA HOOLA 1-6  
KAMLOOPS M.D.

LINE NO. - L106+10N



PLOTTING POINT X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE  
PROBABLE  
POSSIBLE

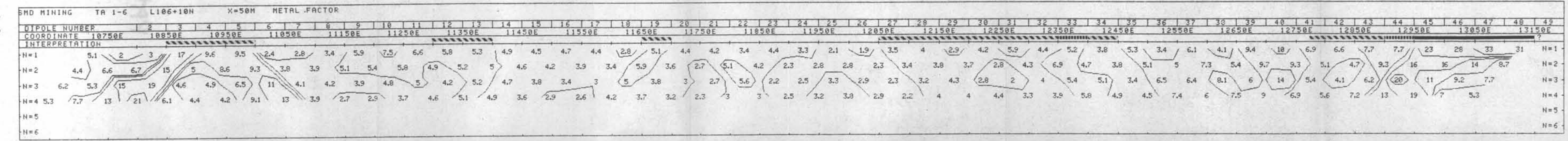
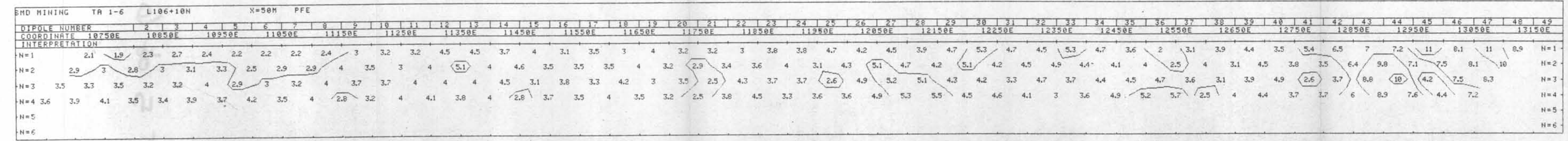
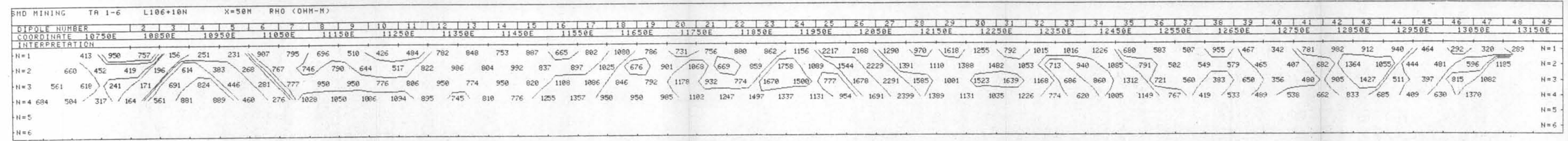
FREQUENCY (HERTZ) 4.0HZ:0.25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE - CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10

APPROVED PAC  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY



GEOLOGICAL BRANCH ASSESSMENT REPORT  
**10,880**  
 PART 5 of 6



SMD MINING TA 1-6 L108+54N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
COORDINATE	11200E	11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																					
INTERPRETATION																																									
N=1	1956	549	820	1598	2151	1656	1790	870	957	622	1382	518	586	912	1244	1682	997	1108	1859	1515	936	1135	1330	728	897	817	754	950	339	455	222	2407	1414	1595	1295	2714	648	426	252	442	
N=2	1291	750	1100	1765	1729	1661	1227	1260	996	699	1151	815	1177	875	917	1641	1462	1556	1353	1324	1426	1375	1151	1257	1012	811	797	341	562	663	653	1463	1741	3409	928	583	670	379	383		
N=3	1546	1057	1192	1319	1633	1506	1972	1146	1036	561	1647	1577	1018	631	1804	2767	1924	1092	1267	1859	1868	1237	1565	1238	982	799	368	494	435	999	417	1595	2936	2326	402	581	611	619			
N=4	1839	1066	804	1221	1377	2533	1595	1097	799	756	3127	1312	786	753	1635	3455	1450	1011	1602	2280	1612	1397	1267	1137	970	407	570	508	852	633	458	2159	1788	983	543	478	855				
N=5																																									
N=6																																									

SMD MINING CO. LTD.

TA HOOLA 1-6  
KANLOOPS M D

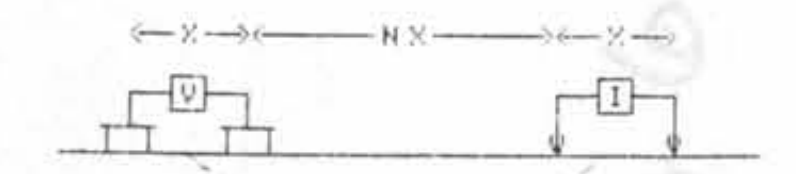
LINE NO -108+54N

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880

PART 5 of 6

SMD MINING TA 1-6 L108+54N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
COORDINATE	11200E	11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																						
INTERPRETATION																																										
N=1	3.4	1.7	2.6	4	4	3.2	3.5	2.5	1.9	2	3.3	2.8	4.8	5.3	5.5	5	4.8	4.5	3.9	4.3	4.8	4.3	3.5	3.6	5.8	7.1	7	5.6	4.3	5.1	3.2	6.5	4	4.3	5	5.7	5.5	6.2	9.4	8.2		
N=2	4	2.5	2.9	4	4.2	3.7	3.2	3.2	2.5	2.8	3.4	4.1	5	5	5.6	4.7	3.9	4.5	4.3	5	3.6	5	6.1	6.8	7	6.8	4.6	5.2	3.7	4.2	6	5.5	5.7	5	7	7.2	6.7	8.2				
N=3	4.4	2.4	2.4	3.8	4.2	3	3.5	3.2	3.3	2.6	4.6	4.3	5.1	4.5	4.3	4.3	4.6	3.8	4.5	3.6	3.6	5.6	7.1	7.3	6.1	6.5	6.1	5.1	3.4	4.5	3.7	7	6.7	6	5.7	8.2	8.2	6.2				
N=4	4.5	2	2.6	3.7	3.5	3.2	3.4	3.8	3	3.8	4.7	4.2	4.6	3.5	5	4.8	5.3	4.8	3.5	3.8	5	7.8	8.1	5.8	4.8	5.6	7	6	4.1	4	4.4	7.3	6.2	6.7	7.4	9.4	7.4					
N=5																																										
N=6																																										



PLOTTING POINT  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

SMD MINING TA 1-6 L108+54N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
COORDINATE	11200E	11300E	11400E	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																						
INTERPRETATION																																										
N=1	1.7	3.1	3.2	2.5	1.9	1.9	2.5	2.9	2	3.2	2.4	5.4	8.2	5.8	4.4	3	4.8	4.1	2	2.8	5.1	3.8	2.6	4.9	6.5	8.7	9.3	5.9	13	11	14	2.7	2.8	2.7	3.9	2.1	8.5	15	37	19		
N=2	3.1	3.3	2.6	2.3	2.4	2.2	2.6	2.5	2.5	4	3	5	4.2	5.7	6.1	2.6	2.7	2.9	3.2	3.8	2.5	3.6	4.3	4.9	6.7	8.6	8.5	13	9.3	5.6	6.4	4.1	3.2	1.7	5.4	12	11	18	21			
N=3	2.8	2.3	2	2.9	2.6	2	1.8	2.8	3.2	4.6	2.8	2.7	5	7.1	4.3	1.6	2.4	3.5	3.6	1.9	1.9	4.5	4.5	5.9	6.2	8.1	17	10	7.8	4.5	8.9	4.4	2.3	2.6	14	14	13	10				
N=4	2.4	1.9	2.8	3	2.5	1.3	2.1	3.5	3.8	5	1.5	3.2	5.9	4.6	3.1	1.4	3.7	4.7	2.2	1.7	3.1	5.6	6.4	5.1	4.9	14	12	12	4.8	6.3	9.6	3.4	3.5	6.8	14	20	8.7					
N=5																																										
N=6																																										

FREQUENCY (HERTZ) 4.0HZ:0.25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5  
-2.-3.-5.-7.5.-10  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY







SMD MINING TA 1-6 L104+88N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
COORDINATE		10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E	11550E	11650E	11750E	11850E	11950E																			
INTERPRETATION																																						
N=1		154	174	186	212	320	416	376	265	411	1041	1460	1045	1024	604	600	654	259	651	700	1677	793	595	485	1034	801	765	1029	493	629	669	860	807	1063	1127	788	933	
N=2		223	203	198	260	305	453	709	429	466	664	1247	1279	1450	975	491	784	321	513	718	978	933	656	811	670	1213	1106	776	665	561	819	735	848	1167	987	843	1344	
N=3		302	273	226	271	338	364	604	707	648	656	833	967	1431	1185	718	608	445	687	546	1045	510	792	815	1066	713	1259	1048	591	756	688	887	712	1305	909	764	1432	
N=4		365	341	292	304	335	381	435	508	900	849	772	638	1028	1119	826	874	346	958	668	728	564	415	937	1040	1149	705	1050	773	676	867	770	887	994	998	676	1228	
N=5																																						
N=6																																						

SMD MINING TA 1-6 L104+88N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29 <td>30</td> <td>31</td> <td>32</td> <td>33</td> <td>34</td> <td>35</td> <td>36</td>	30	31	32	33	34	35	36			
COORDINATE		10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E	11550E	11650E	11750E	11850E	11950E																				
INTERPRETATION																																							
N=1		1.6	1.3	1.2	1.7	1.8	1.9	1	1.1	2.7	2.8	5.5	5.1	4.4	3.3	4	3.2	3	2.3	2.5	2.6	3	2.1	2.1	2.3	2.8	2.9	3.4	2.8	2.8	1.7	1.7	2.4	3.2	3.3	3.1	2.5		
N=2		1.8	2.1	1.5	1.5	1.5	2	2.1	1.4	2.3	2.8	4.3	4.5	5.4	4.8	3.6	4.1	3	2.5	2.8	2.7	1.6	2.7	2.7	2	2.6	3.4	3	2.7	2.8	2.9	1.9	2.2	3.4	3.3	2.9	2.8		
N=3		2.6	2.2	2	2	1.7	1.5	2	2	2.2	2.3	3.9	3.5	4.7	5.2	4.6	3	3.8	2.7	2.9	3.2	1.8	1.7	3	2.6	2.7	3.3	3.6	2.6	2.9	3.4	3.5	2.4	3.5	3.7	3.4	2.9		
N=4		2.9	2.8	2.5	2.1	2	1.6	1.8	2.1	3	2.6	3.4	2.9	4	4.5	4.8	4.3	3	3.7	3.5	3.2	2.6	2.2	2.6	3.5	3.7	3.2	3.2	2.8	2.9	3.6	3.4	3.8	3.1	3.4	3.4	3.1		
N=5																																							
N=6																																							

SMD MINING TA 1-6 L104+88N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29 <td>30</td> <td>31</td> <td>32</td> <td>33</td> <td>34</td> <td>35</td> <td>36</td>	30	31	32	33	34	35	36			
COORDINATE		10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E	11550E	11650E	11750E	11850E	11950E																				
INTERPRETATION																																							
N=1		10	7.5	6.5	8	5.6	4.6	2.7	4.2	6.6	2.7	3.8	4.9	4.3	5.5	6.7	4.9	12	3.5	3.6	1.6	3.8	3.5	4.3	2.2	3.5	3.8	3.3	5.7	4.5	2.5	2	3	3	2.9	3.9	2.7		
N=2		8.1	10	7.6	5.8	4.9	4.4	3	3.3	4.9	4.2	3.4	3.5	3.7	4.9	7.3	5.2	9.3	4.9	3.9	2.8	1.7	4.1	3.3	3	2.1	3.1	3.9	4.1	5	3.5	2.6	2.6	2.9	3.3	3.4	2.1		
N=3		8.6	8.1	8.8	7.4	5	4.1	3.3	2.8	3.4	3.5	4.7	3.6	3.3	4.4	6.4	4.9	8.5	3.9	5.3	3.1	3.5	2.1	3.7	2.4	3.8	2.6	3.4	4.4	3.8	4.9	3.9	3.4	2.7	4.1	4.5	2		
N=4		7.9	8.2	8.6	6.9	6	4.2	4.1	4.1	3.3	3.1	4.4	4.5	3.9	4	5.8	4.9	8.7	3.9	5.2	4.4	4.6	5.3	2.8	3.4	3.2	4.5	3	3.6	4.3	4.2	4.4	4.3	3.1	3.4	5	2.5		
N=5																																							
N=6																																							

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880  
PART 5 of 6

**SMD MINING CO. LTD.**

TA HOOLA 1-6  
KAMLOOPS B.C.

LINE NO. - L104+88N



PLOTTING POINT X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ) 4 OHM @ 25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED PAC  
NOTE - CONTOURS AT LOGARITHMIC INTERVALS 1:-1.5  
-2, -3, -5, -7, 5, -10  
DATE Nov 22/82

**PHOENIX GEOPHYSICS LTD.**

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,880  
PART 5 of 6

SMD MINING TA 1-6 L104+88N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
COORDINATE		12050E	12150E	12250E	12350E	12450E	12550E	12650E	12750E	12850E	12950E	13050E	13150E											
INTERPRETATION																								
N=1		970	982	732	654	413	648	764	780	764	539	739	808	831	451	579	720	317	357	500	969	846	805	731
N=2		1134	1244	1263	1428	788	925	530	729	1146	718	739	913	888	546	626	673	506	281	493	1397	1481	968	649
N=3		1493	1460	1344	1248	902	945	814	636	1165	1020	852	830	929	590	651	690	520	360	377	900	1663	1406	722
N=4		1386	1778	1598	1203	1374	1045	779	904	995	992	1070	860	809	697	668	660	557	362	433	714	1054	1503	922
N=5																								
N=6																								

SMD MINING TA 1-6 L104+88N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
COORDINATE		12050E	12150E	12250E	12350E	12450E	12550E	12650E	12750E	12850E	12950E	13050E	13150E											
INTERPRETATION																								
N=1		2.8	2.9	3.3	3.5	3.7	3.6	4.3	4.6	4.5	4.1	3.7	3.1	2.9	2.1	2.5	5.4	3.5	5.2	4.8	5	6	6.7	7.6
N=2		3.5	3.4	3.3	3.9	4	3.9	3.9	4.8	5.3	3.3	4.4	3.6	3.7	3.4	3.2	3.2	4.3	3	4.5	6.7	7	4.7	10
N=3		3.7	3.9	3.4	3.6	4.5	4.5	3.9	4.8	5.2	3.6	3.7	4.3	3.8	3.7	4.4	3.5	4.5	3.4	2.5	6.5	7.5	5.7	7.4
N=4		3.6	4.4	3.8	3.6	4.1	5	4.4	4.7	4.6	3.4	4.2	3.7	4.6	4.6	4	4.4	4.5	3.8	3	4.9	6.5	6.4	8.5
N=5																								
N=6																								

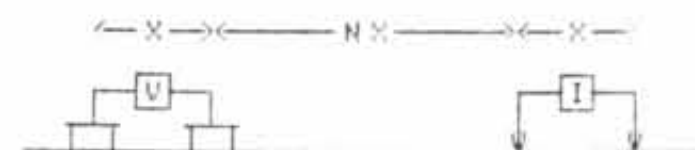
SMD MINING TA 1-6 L104+88N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
COORDINATE		12050E	12150E	12250E	12350E	12450E	12550E	12650E	12750E	12850E	12950E	13050E	13150E											
INTERPRETATION																								
N=1		2.9	3	4.5	5.4	8	5.6	5.6	5.9	5.7	7.6	5	3.8	3.5	4.7	4.3	7.5	11	15	8.3	5.2	7.1	8.3	10
N=2		3.1	2.7	2.6	2.7	5.1	4.2	6.5	6.6	4.6	4.6	6	3.9	4.2	6.2	5.1	4.8	8.5	11	9.1	4.8	4.7	4.9	15
N=3		2.5	2.7	2.5	2.9	5	4.8	4.8	7.5	4.5	3.5	4.3	5.2	4.1	6.3	6.8	5.1	8.7	9.4	6.6	6.6	4.5	4.1	10
N=4		2.6	2.5	2.4	3	3	4.8	5.6	5.2	4.6	3.4	3.9	4.3	5.7	6.6	6	6.7	8.1	10	6.9	6.9	6.2	4.3	9.2
N=5																								
N=6																								

SMD MINING CO. LTD.

TA HOOLA 1-C

KARLOOPS M D

LINE NO -L104+88N



PLOTTING POINT X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
 PROBABLE   
 POSSIBLE 

FREQUENCY (HERTZ) 4 0HZ.0 25HZ DATE SURVEYED JUN-AUG 1982 APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1:-1.5 -2:-3:-5:-7 5:-10 DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY



SMD MINING TA 1-6 L103+00N X=50M RHO (OHM-M)

DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E																			
INTERPRETATION																																					
N=1	243	354	393	466	447	439	359	214	166	131	109	139	215	153	166	357	641	509	771	744	1961	1039	1327	845	778	588	481	437	895	565	681	519	490	955	280		
N=2	319	435	299	474	585	526	434	260	245	267	201	123	177	197	237	339	424	333	856	820	1250	1294	1003	1186	633	605	594	463	842	1055	396	837	661	555	807		
N=3	333	485	367	391	532	633	492	307	281	338	404	214	173	170	282	366	388	222	581	835	1338	702	1304	1069	991	533	567	683	852	967	620	466	955	858	479		
N=4	328	475	393	447	447	523	627	383	304	356	463	396	285	159	239	438	417	222	424	554	1257	749	665	1227	855	903	512	428	999	916	515	663	504	1162	797		
N=5																																					
N=6																																					

SMD MINING TA 1-6 L103+00N X=50M PFE

DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35				
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E																				
INTERPRETATION																																						
N=1	2.7	3.7	3.7	3.7	2.7	2.7	2	2.4	1	2.7	1.6	1.5	2.4	1.6	2	1.8	2.2	1.9	3.1	3.5	6	3.7	3.7	3.4	3.2	4.1	3.5	3.6	2.6	2.2	2.2	2.3	2.9	4.7	3.4			
N=2	2.7	2.7	3.2	3.5	3.7	2.7	2.7	2.2	1.2	1.2	2.7	1.3	2.4	2	1.9	1.8	2	2.2	2.7	3	4.4	5.2	4.6	4	2.6	3.8	4.3	2.8	2.7	2.5	3	3.4	2.3	3.5	4.2			
N=3	3.2	4	3.2	2.7	3.2	3.7	3.2	3.7	1.8	1.7	1.5	2.7	2.3	2.2	2.5	2.3	1.9	1.2	2.5	2.7	2.8	3.4	4.8	4.7	3.2	2.9	3.9	3.7	2.6	2.4	3	3.8	3.1	3.4	3			
N=4	3	3.8	3.7	3	6.5	3.2	4.2	4.4	2.7	2.4	2	1.7	3.2	2	2.6	2.3	1.9	2.1	2.3	2.9	2.7	2.3	3.5	4.9	3.7	3.6	3.3	3.6	3.7	2.5	2.8	3.9	4.2	3.5	2.8			
N=5																																						
N=6																																						

SMD MINING TA 1-6 L103+00N X=50M METAL FACTOR

DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35					
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E																					
INTERPRETATION																																							
N=1	11	10	9.7	7.9	6	6.2	5.6	11	6	21	15	11	11	10	12	5	3.4	3.7	4	4.7	3.1	3.6	2.8	4	4.1	7	7.3	8.2	2.9	3.9	3.2	4.4	5.9	4.9	12				
N=2	8.5	6.2	11	7.4	6.3	5.1	6.2	8.5	4.9	4.5	13	11	14	10	8	5.3	4.7	6.6	3.2	3.7	3.5	4	4.2	3.4	4.1	6.3	7.2	6	3.2	2.4	7.6	4.1	3.5	6.3	5.2				
N=3	9.6	8.2	8.7	6.9	6	5.8	6.5	12	6.4	5	3.7	13	13	13	8.9	6.3	4.9	5.4	4.3	3.2	2.1	4.8	3.7	4.4	3.2	5.4	6.9	6.1	3.1	2.5	4.8	8.2	3.2	4	6.3				
N=4	9.1	8	9.4	6.7	15	6.1	6.7	11	8.9	6.7	4.3	4.3	11	13	11	5.3	4.6	9.5	5.4	5.2	2.1	3.1	5.3	4	4.3	4.5	6.4	8.4	3.7	2.7	5.4	5.9	8.3	3	3.5				
N=5																																							
N=6																																							

GEOLOGICAL BRANCH ASSESSMENT REPORT

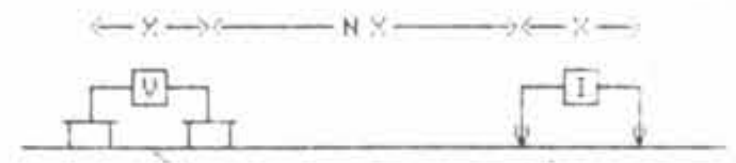
10,880  
PART 5 of 6

**SMD MINING CO. LTD.**

TA HOOLA 1-6

KAMLOOPS B.C.

LINE NO -L103+00N



PLOTTING POINT X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ) 4 0HZ.0 25HZ DATE SURVEYED JUN-AUG 1982 APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1.-1.5 -2.-3.-5.-7.5.-10 DATE Nov 22/82 PAC

**PHOENIX GEOPHYSICS LTD.**

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SMD MINING TA 1-6 L103+00N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
DIPOLE NUMBER	COORDINATE	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																		
INTERPRETATION																																				
N=1		635	573	515	637	515	553	784	1717	1211	935	894	1265	730	701	556	784	485	523	637	662	907	1019	494	474	751	878	378	355	608	646	871	742	797	918	N=1
N=2		677	650	426	367	545	673	819	1149	1077	1208	1223	1085	932	973	792	646	553	618	729	825	919	874	818	602	596	924	452	292	634	415	588	1198	1209	903	N=2
N=3		751	681	493	376	440	713	998	1093	772	1048	1474	1442	784	1079	1018	912	577	715	765	935	998	760	703	838	665	698	466	356	576	637	340	760	1656	1220	N=3
N=4		442	694	537	455	467	592	974	1135	714	738	1213	1573	1057	909	1022	1110	915	722	867	994	1074	784	675	670	846	774	741	353	688	515	495	442	1633	1482	N=4
N=5																																				N=5
N=6																																				N=6

SMD MINING TA 1-6 L103+00N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
DIPOLE NUMBER	COORDINATE	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																			
INTERPRETATION																																					
N=1		3.9	4.2	3.8	4.4	2.4	2.7	3.2	3.3	2.9	2.2	2.5	3.4	3.3	3.7	3.6	3.6	4	3.8	3.4	3	2.7	2.3	3	3.5	3.6	3.4	3.3	3.2	4.7	4.3	6	5.3	5.6	5.7	N=1	
N=2		3.3	4.2	3.3	2.6	4.3	2.8	2.8	2.5	4.3	3.2	2.3	3.6	3.9	3.7	3.8	4.1	4.4	4.1	4.1	3.5	2.6	2.7	3	3.7	3.9	4.6	3.2	3.9	3.9	3.2	7.2	6.5	6.4	7.7	N=2	
N=3		3.7	3.9	3.4	2.8	3.1	4.8	2.7	1.8	3.3	3.7	2.9	2.7	3.4	3.7	3.2	4.5	4.1	4.3	4.5	3.7	3	3.9	3.1	3.8	4	4.5	4.2	3.1	4.5	2.6	5.6	7.1	8.1	7.2	N=3	
N=4		2.7	4.3	3.2	3	3.4	3.7	4.7	2.4	2.9	2.9	3.5	3.7	3.1	3.7	3.5	3.7	4.4	4.5	4.7	3.7	3.2	3.5	4.4	4.8	4.2	4.2	3.9	4.2	4.1	3.2	4.9	5.2	8.2	7.7	N=4	
N=5																																				N=5	
N=6																																					N=6

SMD MINING TA 1-6 L103+00N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
DIPOLE NUMBER	COORDINATE	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																			
INTERPRETATION																																					
N=1		6.1	7.3	7.4	6.9	4.7	4.9	4.1	1.9	2.4	2.4	2.8	2.7	4.5	5.3	6.5	5.1	8.2	7.3	5.3	4.5	3	2.3	6.1	7.4	4.8	3.9	8.7	9	7.7	6.7	6.9	7.1	7	6.2	N=1	
N=2		4.9	6.5	7.7	7.1	7.9	4.2	3.4	2.2	4	2.6	1.9	3.3	4.2	3.8	4.9	6.3	8	6.6	5.6	4.2	2.8	3.1	3.7	6.1	6.5	5	7.1	13	6.2	7.7	12	5.4	5.3	8.5	N=2	
N=3		4.9	5.7	6.9	7.4	7	6.7	2.7	1.6	4.3	3.5	2	1.9	4.3	3.4	3.1	4.9	7.1	6	5.9	4	3	5.1	4.4	4.5	6	6.4	9	8.7	7.8	4.1	16	9.3	4.9	5.9	N=3	
N=4		6.1	6.2	6	6.6	7.3	6.3	4.8	2.1	4.1	3.9	2.9	2.4	2.9	4.1	3.4	3.3	4.8	6.2	5.4	3.7	3	4.5	6.5	7.2	5	5.4	5.3	12	6	6.2	9.9	12	5	5.2	N=4	
N=5																																					N=5
N=6																																					N=6

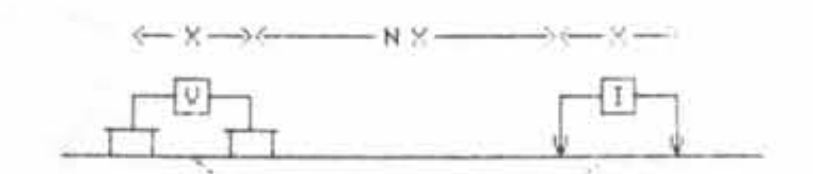
GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880  
PART 5 of 6

**SMD MINING CO. LTD.**

TA HOOLA 1-6  
KARLOOF S.H.D.

LINE NO -1103+00N



PLOTTING POINT X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ) 4.0HZ:0.25HZ DATE SURVEYED JUN-AUG 1982 APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5,-2,-3,-5,-7.5,-10 DATE Nov 22/82

**PHOENIX GEOPHYSICS LTD.**

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SMD MINING TA 1-6 L102+44H X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
COORDINATE		9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E																		
INTERPRETATION																																					
N=1		289	248	702	423	1045	1306	348	290	166	154	217	346	334	290	188	330	288	400	363	797	807	885	1029	1132	594	940	610	770	439	407	402	389	356	449	246	N=1
N=2		382	292	351	500	663	1354	469	250	319	250	170	324	305	345	339	263	286	402	584	552	975	807	075	1723	854	520	961	584	568	534	492	478	315	428	432	N=2
N=3		399	384	386	263	760	1059	585	293	272	435	268	219	285	311	364	396	231	391	555	802	671	988	771	1537	1144	782	516	685	526	673	551	571	352	409	364	N=3
N=4	484	384	484	278	346	1119	487	385	309	329	454	317	454	285	313	402	317	316	496	698	883	656	703	1303	950	942	730	460	850	587	623	597	402	424	379	N=4	
N=5																																					N=5
N=6																																					N=6

SMD MINING TA 1-6 L102+44H X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
COORDINATE		9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E																		
INTERPRETATION																																					
N=1		2.7	3.7	4.1	4.1	3.1	3.7	3.2	3.7	1.7	2.7	2.1	3.5	4.8	3.4	3.6	1.1	2	2	1.9	2.7	3.5	1.6	1.6	2.4	1.6	2.4	1.7	1.8	2.8	5	3.4	3.4	3.8	3.6	3.2	N=1
N=2		3.7	3.2	3.1	4.6	3.6	4.6	3.7	3	3.7	2.2	12	4.7	3.9	2.2	4	3.7	1.3	2.2	2.3	2.5	3	3.3	2	2.7	1.9	1.8	2.7	1.6	2.8	3.5	5	3.9	3.2	3.7	3.4	N=2
N=3		3.7	4	2.6	3.1	3.6	4.1	3.6	1.7	2.7	4.2	2.2	3.7	3.4	.1	.7	3.1	3.8	1.7	2.5	2.8	2.4	2.9	2.6	2.9	3	1.9	1.5	2.5	2.6	3.5	3.4	4.9	3.3	3.2	3.3	N=3
N=4	3.6	3.9	3.6	3.6	2.3	4.6	3.6	2.9	4.2	3.8	4.2	4.7	4.2	.1	.8	1	3.2	4.2	1.6	2.6	3	2.4	2.6	3.6	2.2	2.4	1.8	2.3	3.6	3	3.5	3	3.9	3.5	2.4	N=4	
N=5																																					N=5
N=6																																					N=6

SMD MINING TA 1-6 L102+44H X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
DIPOLE NUMBER		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
COORDINATE		9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E	11350E	11450E																			
INTERPRETATION																																						
N=1		9.3	15	5.8	9.7	3	2.8	9.2	13	10	18	9.7	10	14	12	19	3.3	6.9	5	5.2	3.4	4.3	1.8	1.6	2.1	2.7	2.6	2.8	2.3	6.4	12	8.5	8.7	11	8	13	N=1	
N=2		9.7	11	8.8	9.2	5.4	3.4	7.9	12	12	8.8	7.1	15	13	6.4	12	14	4.5	5.5	3.9	4.5	3.1	4.1	2.3	1.6	2.2	3.5	2.8	2.7	4.9	6.6	10	8.2	10	8.6	7.9	N=2	
N=3		9.3	10	6.7	12	4.7	3.9	6.2	5.8	9.9	9.7	8.2	17	12	3	1.9	7.8	1.6	4.3	4.5	3.5	3.6	2.9	3.4	1.9	2.6	2.4	2.9	2.8	4.9	5.2	6.2	8.6	9.4	7.8	8.6	N=3	
N=4	7.4	10	7.4	13	6.6	4.1	7.4	7.5	14	12	9.3	15	9.3	.4	2.6	2.5	10	13	3.2	3.7	3.4	3.7	3.7	2.8	2.3	2.5	2.5	5	4.2	5.1	5.6	5	9.7	8.1	6.3	N=4		
N=5																																					N=5	
N=6																																					N=6	

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880 PART 5 of 6

SMD MINING CO. LTD.

TA HOOLA 1-6  
KAMLOOPS M.D.

LINE NO -L102+44H



PLOTTING POINT X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE **————**  
 PROBABLE **.....**  
 POSSIBLE **//////**

FREQUENCY (HERTZ) 4 0HZ, 0.25HZ  
 DATE SURVEYED JUN-AUG 1982  
 APPROVED PAC

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1, -1.5, -2, -3, -5, -7.5, -10  
 DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY



SMD MINING TA 1-6 L102+44N		X=50M RHO (OHM-M)																																		
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
COORDINATE	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																			
INTERPRETATION																																				
N=1	354	307	285	232	349	543	522	1054	1342	682	662	621	538	618	739	505	587	576	443	565	454	409	467	420	323	405	391	332	442	665	643	1029	588	741		
N=2	237	391	321	237	377	526	545	662	1387	924	781	786	603	650	913	575	532	660	654	887	754	456	427	510	502	391	394	525	301	615	1020	648	446	1476		
N=3	400	335	413	287	357	661	523	659	762	959	964	814	726	663	936	741	586	547	740	1118	1073	697	411	459	591	546	339	489	433	464	892	802	373	1100		
N=4	337	534	367	366	418	624	688	637	677	514	1003	930	723	748	930	800	770	547	586	1086	1144	950	559	402	505	605	487	416	411	522	518	844	497	840		
N=5																																				
N=6																																				

SMD MINING TA 1-6 L102+44N		X=50M PFE																																			
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
COORDINATE	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																				
INTERPRETATION																																					
N=1	4.9	6.3	6.6	4.1	2.3	2.5	3.5	2.9	3	2.3	6	3.2	3.4	3.7	3.3	3.9	4	3.4	3.1	3.5	4.4	4.2	5.5	6.1	4.6	3.9	2.7	2.5	7	5.8	7.4	8.8	5.7	3.7			
N=2	4.4	5.3	4.1	6.1	4.4	2.8	3.3	3.3	3.8	3.8	3.5	4.3	4.1	3.9	4.1	4.2	4.3	4.5	3.9	4.4	5.4	4.1	6.1	5.3	5	4.4	2.7	3.3	4.9	7.8	8.7	7.9	7.6	7.2			
N=3	4.8	4.9	3.6	3.2	5.7	4.7	3	2.9	3.6	4	4.4	4.3	4.8	3.9	4.3	5.2	5.3	4.6	4.8	4.8	5.3	4.7	5.8	6.6	4.2	4.1	3.7	3.1	5	5	9.7	8.1	6.6	7.8			
N=4	4.6	5.5	3	2.4	3.3	5.8	5.3	2.7	3.4	4.2	4.7	5.7	4.7	4.7	4.4	4.8	6	5.3	4.5	5.6	6	4.7	5.7	5.9	4.9	4.8	3.1	5	4.9	5	6.4	8.9	7.2	6.9			
N=5																																					
N=6																																					

SMD MINING TA 1-6 L102+44N		X=50M METAL FACTOR																																			
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34				
COORDINATE	11500E	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																				
INTERPRETATION																																					
N=1	14	21	23	18	6.6	4.6	6.7	2.8	2.2	3.4	9.1	5.2	6.3	6	4.5	7.7	6.8	5.9	7	6.2	9.7	10	12	15	14	9.6	6.9	7.5	16	8.7	12	8.6	9.7	5			
N=2	19	14	13	26	12	5.3	6.1	5	2.7	4.1	4.5	5.5	6.8	6	4.5	7.3	8.1	6.8	6	5	7.2	9	11	10	10	11	6.9	6.3	15	17	8.4	12	17	4.9			
N=3	12	15	8.7	11	16	7.1	5.7	4.4	4.7	4.2	4.6	5.3	6.6	5.9	4.6	7	9	8.4	6.5	4.3	4.9	6.7	14	14	7.1	7.5	11	6.3	12	11	11	10	18	7.1			
N=4	14	10	6.2	6.5	7.9	9.3	7.7	4.2	5	8.2	4.7	5.7	6.5	6.3	4.7	6	7.8	9.7	7.7	5.2	5.2	4.9	10	15	9.7	7.9	6.4	12	12	9.6	12	11	14	8.2			
N=5																																					
N=6																																					

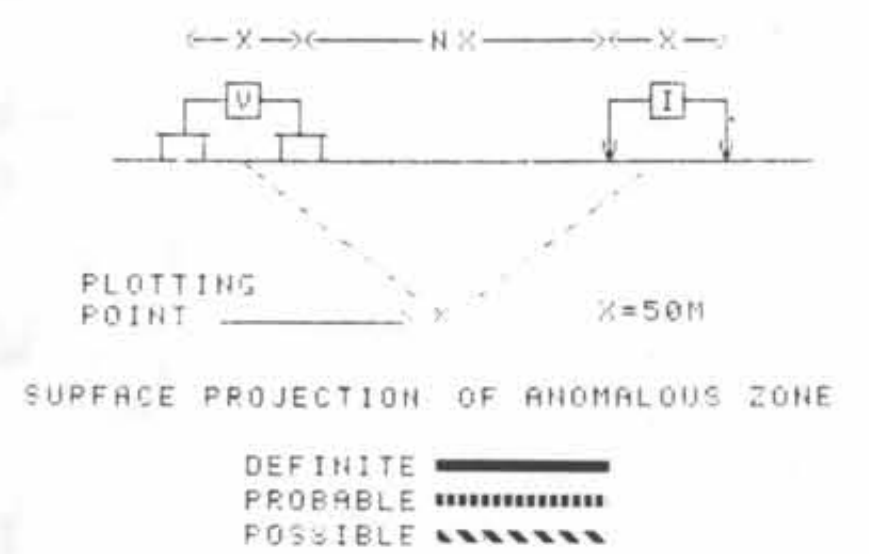
GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880  
PART 5 of 6

**SMD MINING CO. LTD.**

TA Hoola 1-6  
FARLOOPS H.D.

LINE NO -L102+44N

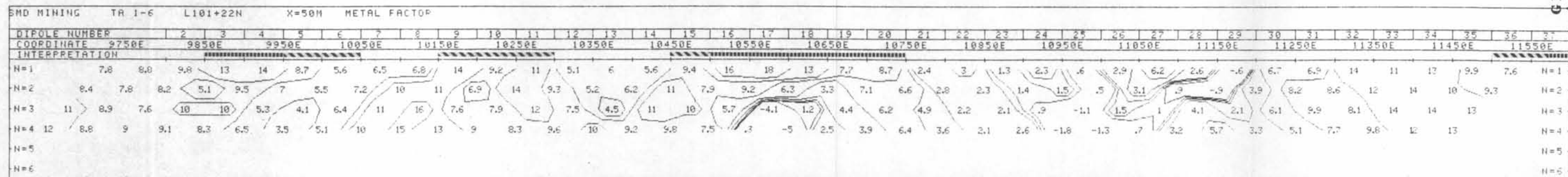
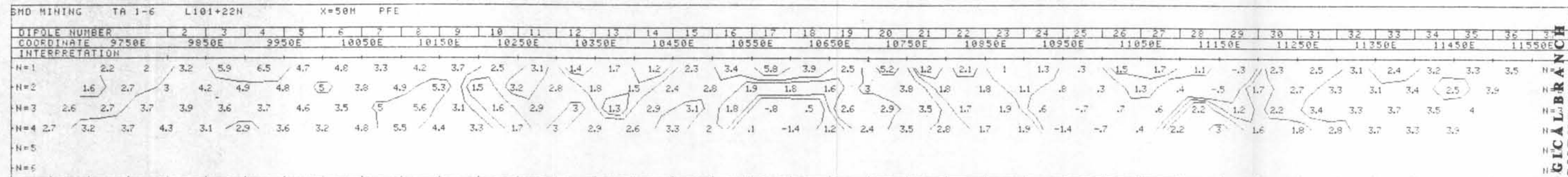
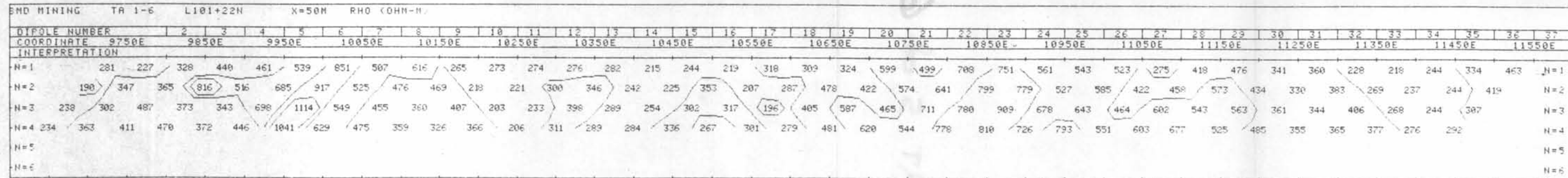


FREQUENCY (HERTZ) 4 0HZ, 0.25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED PAC  
NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5,-2,-3,-5,-7 5,-10  
DATE Nov 22/82

**PHOENIX GEOPHYSICS LTD.**

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY





PART 5 of 6

10,880

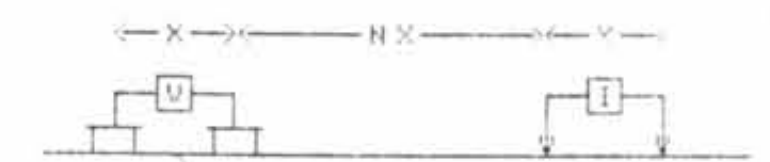
GEOLOGICAL BRANCH ASSESSMENT REPORT

SMD MINING CO. LTD.

TA HOOLA 1-6

KAMLOOP'S H D

LINE NO -L101+22N



PLOTTING POINT X=500

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE PROBABLE POSSIBLE

FREQUENCY (HERTZ) 4 0HZ:0 25HZ DATE SURVEYED JUN-AUG 1982 APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1:-1.5 -2:-3:-5:-7.5:-10 DATE Nov 22/82 PAC

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

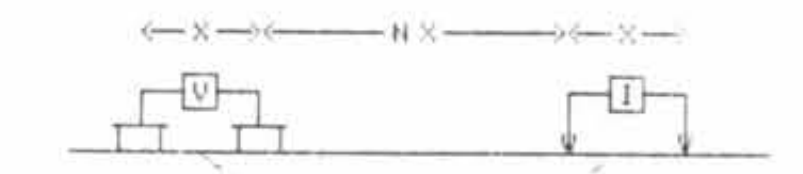


SMD MINING CO. LTD.

TA HOOLA 1-6

KAMLOOPS B.C.

LINE NO -L101+22N



PLOTTING POINT X X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE **—————**  
PROBABLE **—————**  
POSSIBLE **—————**

FREQUENCY (HERTZ) 4.0HZ:0.25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5,-2,-3,-5,-7.5,-10  
*PAC*  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

SMD MINING TA 1-6 L101+22N X=50M RHO (OHM-M)																																	
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
COORDINATE	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																	
INTERPRETATION																																	
N=1	472	360	435	348	369	401	574	599	740	378	559	589	705	528	503	261	434	536	779	484	677	342	266	230	266	343	289	263	402	730	846	1138	
N=2	535	366	425	472	408	453	621	483	667	597	453	708	849	486	445	536	551	479	873	555	678	602	279	459	423	306	249	330	270	540	822	1079	
N=3	505	374	379	441	543	497	659	493	510	561	753	575	907	596	442	507	734	605	787	600	775	517	478	429	775	413	214	280	371	356	649	959	
N=4	696	349	380	393	520	676	701	482	510	448	612	918	739	635	523	489	674	762	882	510	720	543	371	703	670	669	298	224	324	151	377	690	
N=5																																	
N=6																																	

SMD MINING TA 1-6 L101+22N X=50M PFE																																	
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
COORDINATE	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																	
INTERPRETATION																																	
N=1	4	4.7	3.3	2.7	4.4	4.2	3.6	3.2	4.6	5.7	6.9	8.2	9	8.7	6.4	5.3	5.6	4.3	2.6	3	3	3.6	2.5	3.1	3	2.3	2.4	3.8	7.4	8.8	9.4	8.5	
N=2	4.5	4.6	4.5	3.8	4.1	3.6	4.7	3.2	5.2	5.2	5.9	11	8	7.8	6.7	5.2	6.5	5.5	4	3.9	4.2	3.7	3.3	2.8	3.4	1.5	3.5	3.4	5.6	6.7	8.2	9.8	
N=3	4.3	4.5	3.7	5.3	4.5	3.5	3.3	4.2	4.2	4.8	4.8	8.2	8.6	6.3	5.5	5.9	6.1	5.6	4.5	5.3	4.1	3.7	2.9	3.6	3.5	2.3	2.7	3.8	5.4	4.8	7.2	7.9	
N=4	3.8	3.9	4.1	4.5	5.5	3.7	3.7	3.2	6.1	4.8	4.6	7.1	6.4	7.2	4.7	4.7	6.5	5.6	5	5.1	4.8	4.9	3.1	3.2	4.2	2.5	3	3.2	6.5	5.3	5	7.2	
N=5																																	
N=6																																	

SMD MINING TA 1-6 L101+22N X=50M METAL FACTOR																																	
DIPOLE NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
COORDINATE	11600E	11700E	11800E	11900E	12000E	12100E	12200E	12300E	12400E	12500E	12600E	12700E	12800E	12900E	13000E	13100E																	
INTERPRETATION																																	
N=1	8.5	13	7.6	7.8	12	10	6.3	5.3	6.2	15	12	14	13	16	13	20	13	8	3.3	6.2	4.4	11	9.4	13	11	6.7	8.3	14	18	12	11	7.5	
N=2	8.4	13	11	8.1	10	7.9	7.6	6.6	7.8	8.7	13	15	9.4	16	15	9.7	12	11	4.6	7	6.2	6.1	12	6.1	8	4.9	14	10	21	12	10	9.1	
N=3	8.5	12	9.8	12	8.3	7	5	8.5	8.2	8.6	6.4	14	9.5	11	12	12	8.3	9.3	5.7	8.8	5.3	7.2	6.1	8.4	4.5	5.6	13	14	15	13	11	8.2	
N=4	5.5	11	11	11	11	5.5	5.3	6.6	12	11	7.5	7.7	8.7	11	9	9.6	9.6	7.3	5.7	10	6.7	9	8.4	4.6	6.3	3.7	10	14	20	35	13	10	
N=5																																	
N=6																																	

GEOLOGICAL BRANCH ASSESSMENT REPORT

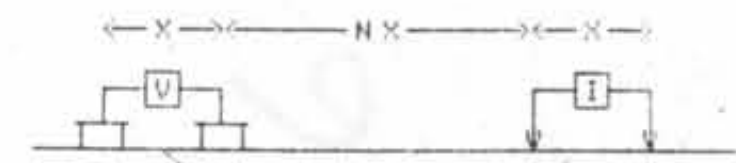
10,880 PART 5 of 6



SMD MINING CO. LTD.

TA HOOLA 1-6  
KAMLOOPS M.D.

LINE NO - L100+00H



PLOTTING POINT X=50M  
SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ) 4 OHZ:0 25HZ  
DATE SURVEYED: JUN-AUG 1982  
APPROVED

NOTE - CONTOURS AT LOGARITHMIC INTERVALS 1, -1.5, -2, -3, -5, -7.5, -10  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

SMD MINING TA 1-6 L100+00H X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
DIPOLE NUMBER																																	
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E																	
INTERPRETATION																																	
N=1	284	418	669	855	1755	789	852	941	848	779	590	343	342	254	302	189	460	254	169	164	206	305	431	428	378	328	244	318	358	618	365	333	N=1
N=2	335	402	583	764	1042	908	773	687	689	865	1232	337	310	351	446	338	229	504	213	155	235	283	334	457	399	367	285	380	439	576	382	461	N=2
N=3	431	399	488	620	879	582	889	614	648	805	1390	527	314	338	629	412	252	231	393	208	258	311	317	346	420	401	322	490	471	593	363	469	N=3
N=4	524	477	468	484	725	584	624	700	682	873	1050	622	434	329	613	535	286	262	188	366	340	326	383	336	243	410	367	952	606	605	363	406	N=4
N=5																																	N=5
N=6																																	N=6

SMD MINING TA 1-6 L100+00H X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
DIPOLE NUMBER																																	
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E																	
INTERPRETATION																																	
N=1	3	4.4	4.6	4	3.2	1.8	4.4	4.2	4.6	9.2	5.8	5.6	4.6	2.6	1.7	1.8	1.8	2.6	1.4	1.4	3.2	1.7	1.8	1.5	.7	.7	-.7	-.6	-.8	.1	1.2	2.4	N=1
N=2	4.5	4.4	3.9	2.5	1.9	3.1	2.5	5.3	5.2	5.8	6	4.9	5.3	4.5	2.7	1.3	2	1.7	1.6	1.3	1.8	2.4	1.7	.7	.5	.3	-.3	-.7	-.11	-.9	1	2.2	N=2
N=3	4.2	5.2	4	2.6	2.9	4.4	3.5	4.8	5.7	6.8	4.7	4.7	4.7	4.4	4	2.2	1.3	2.3	1.4	1.6	1.8	2.3	2.6	.7	.1	.7	.1	T.N	-.6	-.7	.2	2.3	N=3
N=4	3.6	4.5	4.4	2.8	2.9	4.1	4.4	6	5.8	6.9	6	4.1	4.5	4.2	4.4	3.5	2.3	1.7	1.8	1.7	1.8	2.2	2.8	1.5	.5	.1	.3	.3	T.N	-.1	.2	.5	N=4
N=5																																	N=5
N=6																																	N=6

SMD MINING TA 1-6 L100+00H X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
DIPOLE NUMBER																																	
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E																	
INTERPRETATION																																	
N=1	11	11	6.9	4.7	1.8	2.3	5.2	4.5	5.4	12	9.8	16	13	10	5.6	9.5	3.9	10	8.3	8.5	16	5.6	4.2	3.5	1.9	2.1	-.29	-.19	-.22	.2	3.3	7.2	N=1
N=2	13	11	6.7	3.3	1.8	3.4	3.2	7.7	7.5	6.7	4.9	15	17	13	6.1	3.8	8.7	3.4	7.5	8.4	7.7	8.5	5.1	1.5	1.3	.9	-.11	-.18	-.21	-.16	2.6	4.8	N=2
N=3	9.7	13	8.2	4.2	3.3	7.6	3.9	7.8	8.8	8.4	3.4	8.9	15	13	6.4	5.3	5.2	10	3.6	7.7	7	7.4	8.2	2	.2	1.7	.3	T.N	-.13	-.12	.6	4.9	N=3
N=4	6.9	9.4	9.4	5.8	4	7	7.1	8.6	8.5	7.9	5.7	6.6	10	13	7.2	6.5	8	6.5	9.6	4.6	5.3	6.7	7.3	4.5	2.1	.2	.8	.3	T.N	-.1	.6	1.2	N=4
N=5																																	N=5
N=6																																	N=6

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

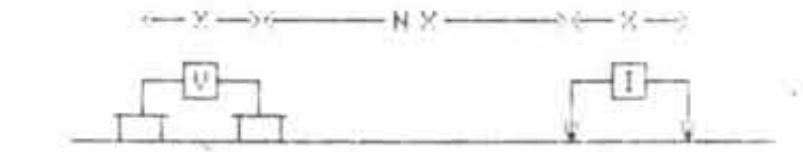
10,880  
PART 5 of 6



SMD MINING CO. LTD.

TR Hoola 1-6  
KARLOOPS M.D.

LINE NO - L100+00N



PLOTTING POINT

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE

PROBABLE

POSSIBLE

FREQUENCY (HERTZ)  
4 0HZ: 0.25HZ

DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE - CONTOURS AT LOGARITHMIC INTERVALS 1, -1.5, -2, -3, -5, -7, 5, -10

*PAC*

DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SUPVEY

SMD MINING TR 1-6 L100+00N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIPOLE NUMBER																																
COORDINATE	11350E	11450E	11550E	11650E	11750E	11850E	11950E	12050E	12150E	12250E	12350E	12450E	12550E	12650E	12750E	12850E																
INTERPRETATION																																
N=1		365	260	194	159	267	422	480	479	419	490	536	449	445	672	461	497	697	499	671	841	558	611	696	719	923	399	684	147	N=1		
N=2		615	153	142	225	172	267	545	544	431	600	736	454	643	761	443	371	931	544	569	1255	845	536	848	662	911	471	660	198	299	N=2	
N=3		695	240	130	173	266	172	331	528	490	581	764	597	647	974	478	178	705	726	607	824	1062	749	733	802	805	484	786	266	556	422	N=3
N=4	641	273	232	166	208	282	225	304	441	624	642	631	806	921	569	384	605	558	800	811	668	911	955	674	917	431	1116	310	505	765	452	N=4
N=5																																N=5
N=6																																N=6

SMD MINING TR 1-6 L100+00N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIPOLE NUMBER																																
COORDINATE	11350E	11450E	11550E	11650E	11750E	11850E	11950E	12050E	12150E	12250E	12350E	12450E	12550E	12650E	12750E	12850E																
INTERPRETATION																																
N=1		2	2.8	1.9	2.7	2	3	3.2	2.7	4.1	5.8	5.1	5.8	3.4	2.7	4	4.6	4.7	3	4.1	2.5	2.7	2.6	2.8	3.3	3.4	4.6	2.8	1.4	N=1		
N=2		2.6	2.5	2.4	2.3	2.5	2.3	3.5	3.4	3.6	4.6	5.5	4.9	4.8	3.2	4.4	3.7	6	3.8	4	4.6	3.3	3.1	3.5	4.1	3.4	4.6	3.4	2.3	1.5	N=2	
N=3		2.4	2.8	2	2.6	2.3	2.2	3.1	4.2	3.3	4.1	3.6	4.6	4.1	4.9	4.6	3.8	5.1	5.4	5.2	3.6	4.8	3.5	4.1	4.7	4.1	4.3	3	2.9	3	2.6	N=3
N=4	1.6	2.2	2.3	2.4	2.5	2.1	3.3	3.4	4	4.6	3.2	3.6	3.8	4.2	6.1	3.5	5	4.4	5.1	5.3	3.8	4.9	4.6	5.2	4.7	3.8	2.7	1.6	3.4	3.5	4	N=4
N=5																																N=5
N=6																																N=6

SMD MINING TR 1-6 L100+00N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIPOLE NUMBER																																
COORDINATE	11350E	11450E	11550E	11650E	11750E	11850E	11950E	12050E	12150E	12250E	12350E	12450E	12550E	12650E	12750E	12850E																
INTERPRETATION																																
N=1		5.5	11	9.8	17	7.5	7.1	6.7	5.6	9.8	12	9.5	13	7.6	4	8.7	9.3	6.7	6	6.1	3	4.8	4.3	4	4.6	3.7	12	4.1	9.5	N=1		
N=2		4.2	16	17	10	15	8.6	6.4	6.3	8.4	7.7	7.5	11	7.5	4.2	9.9	10	6.4	7	7	3.7	3.9	5.8	4.1	6.2	3.7	9.8	5.2	12	2	N=2	
N=3		3.5	12	15	15	8.6	13	9.4	8	6.7	7.1	4.7	7.7	6.3	5	9.6	21	7.2	7.4	8.6	4.4	4.5	4.7	5.6	5.9	5.1	8.9	3.8	11	5.4	6.2	N=3
N=4	2.5	8.1	9.9	14	12	7.4	15	11	9.1	7.4	5	5.7	4.7	4.6	11	9.1	8.3	7.9	6.4	6.5	5.7	5.4	4.8	7.7	5.1	8.8	2.4	5.2	6.7	4.6	8.8	N=4
N=5																																N=5
N=6																																N=6

GEOLÓGICAL BRANCH  
 ASSESSMENT REPORT  
**10,880**  
 PART 5 of 6

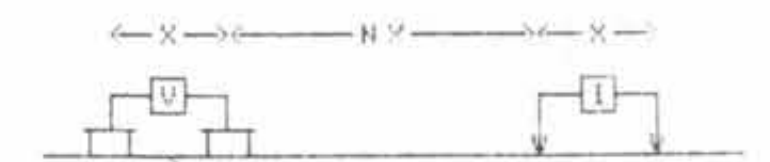


SMD MINING CO. LTD.

TA HOOLA 1-6

KARLOOPS M D

LINE NO -L99+00N



PLOTTING POINT

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE

PROBABLE

POSSIBLE

FREQUENCY (HERTZ) 4 0HZ; 0 25HZ

DATE SURVEYED: JUN-AUG 1982

APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1, -1.5, -2, -3, -5, -7, 5, -10

*PAC*

DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

SMD MINING TA 1-6 L99+00N X=50M RHO (OHM-M)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIPOLE NUMBER																																
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E																
INTERPRETATION																																
N=1	406	414	303	489	426	879	459	1235	1710	1617	1197	585	554	218	225	439	918	626	439	504	323	283	300	237	200	186	185	338	653	609	565	N=1
N=2	565	263	497	426	343	1660	675	844	2309	1173	990	588	647	589	287	477	713	544	395	636	323	226	313	309	213	226	260	311	507	665	689	N=2
N=3	544	438	367	627	304	547	534	1362	1389	1390	772	451	1247	647	687	552	654	537	438	527	432	289	235	312	270	253	353	446	442	475	665	N=3
N=4	443	485	591	494	418	509	436	924	1748	801	895	336	528	680	743	1125	681	462	315	519	410	392	306	219	260	313	239	542	574	393	454	N=4
N=5																															N=5	
N=6																															N=6	

SMD MINING TA 1-6 L99+00N X=50M PFE		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIPOLE NUMBER																																
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E																
INTERPRETATION																																
N=1	2.5	5.7	5.1	4.1	3.1	2.7	2.7	2.8	4	3.1	3.1	2.9	2.1	2.3	2.2	2	2.3	2.6	2.1	2.8	2.1	2	1.3	1.4	1.4	1.7	1.7	2.3	2.7	2.2	1.9	N=1
N=2	3	4.3	5.3	4.7	3.9	3.1	2.4	3.2	4	4.1	4.1	4	3.8	3.2	2.5	2.9	2	2.6	2.3	2.9	1.9	1.7	1.9	1.2	1.2	1.7	1.9	1.8	2.1	2.1	1.8	N=2
N=3	2.9	4.6	4.2	4.6	4.7	4.2	2.9	2.6	4.2	4.8	5.4	4	4.1	4.1	3.1	3.3	2.6	2.1	2.6	2.8	2	1.1	2	2	1.5	1.7	1.7	1.9	2.3	2	1.5	N=3
N=4	3.2	5.1	3.4	3.4	4.1	4.2	4.5	2.8	4.4	4.8	5.9	5.1	3.9	4.2	4	4.2	3.4	2.8	2.5	2.8	2.2	1.6	2.6	1.4	1.9	1.8	1.5	1.6	2.1	1.2	2	N=4
N=5																															N=5	
N=6																															N=6	

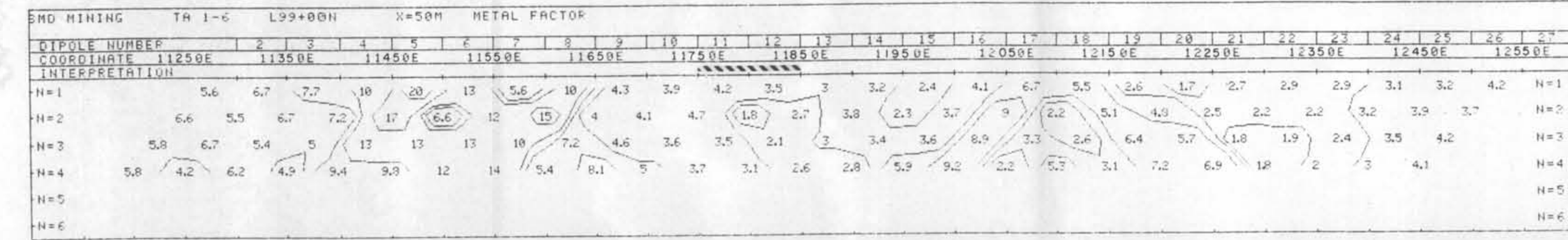
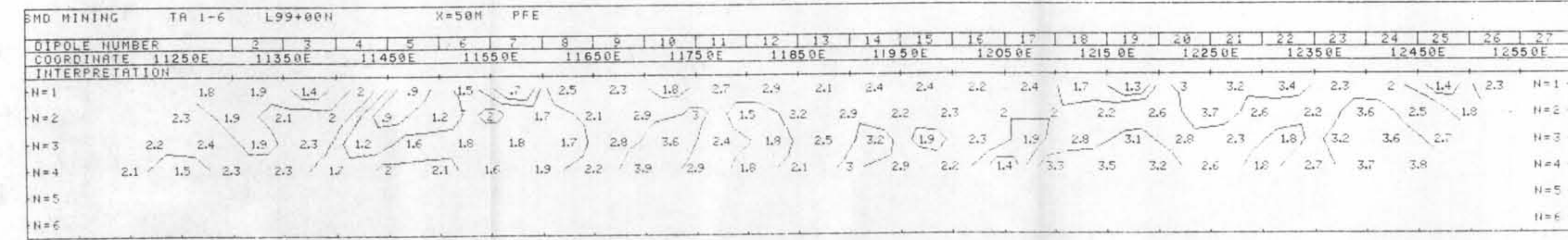
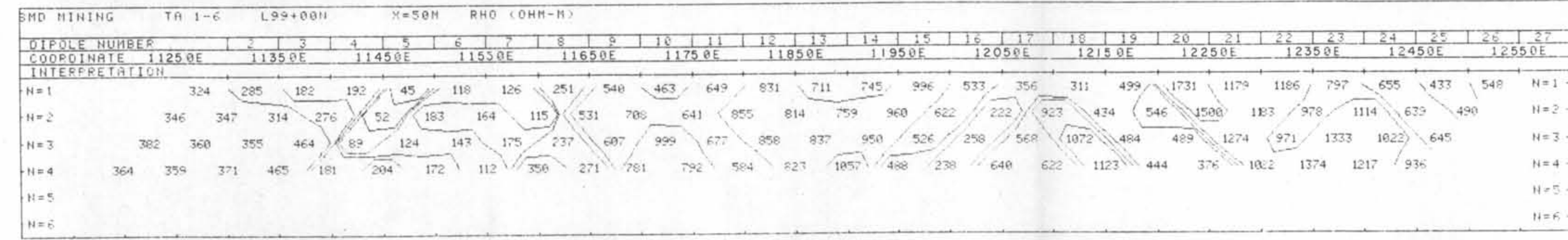
SMD MINING TA 1-6 L99+00N X=50M METAL FACTOR		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIPOLE NUMBER																																
COORDINATE	9750E	9850E	9950E	10050E	10150E	10250E	10350E	10450E	10550E	10650E	10750E	10850E	10950E	11050E	11150E	11250E																
INTERPRETATION																																
N=1	6.2	14	17	8.4	7.3	3.1	5.9	2.3	2.3	1.9	2.6	5	3.8	11	9.8	4.6	2.5	4.2	4.8	5.6	6.5	7.1	4.3	5.9	7	9.1	9.2	6.8	4.1	3.6	3.4	N=1
N=2	5.3	16	11	11	11	1.9	3.6	3.8	1.7	3.5	4.1	6.8	5.9	5.4	8.7	6.1	2.8	4.8	5.8	4.6	5.9	7.5	6.1	3.9	5.6	7.5	7.3	5.8	4.1	3.2	2.6	N=2
N=3	5.3	11	11	7.3	15	7.7	5.4	1.9	3	3.5	7	8.9	3.3	6.3	4.5	6	4	3.9	5.9	5.3	4.6	3.8	8.5	6.4	5.6	6.7	4.8	4.3	5.2	4.2	2.3	N=3
N=4	7.2	11	5.8	6.9	9.8	8.3	10	3	2.5	6	6.6	15	7.4	6.2	5.4	3.7	5	6.1	7.9	5.4	5.4	4.1	8.5	6.4	7.3	5.8	6.3	3	3.7	4.8	4.4	N=4
N=5																															N=5	
N=6																															N=6	

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT  
**10,880**  
 PART 5 of 6



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,880  
PART 5 of 6

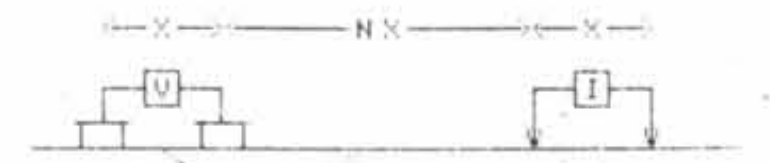


SMD MINING CO. LTD.

TA HOOLA 1-6

KARLOOPS M D

LINE NO - L99+00N



PLOTTING POINT X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
 PROBABLE   
 POSSIBLE

FREQUENCY (HERTZ) 4.0HZ, 0.25HZ DATE SURVEYED JUN-AUG 1982 APPROVED

NOTE - CONTOURS AT LOGARITHMIC INTERVALS 1:-1.5 -2:-3 -5:-7.5:-10 DATE Nov 22/82

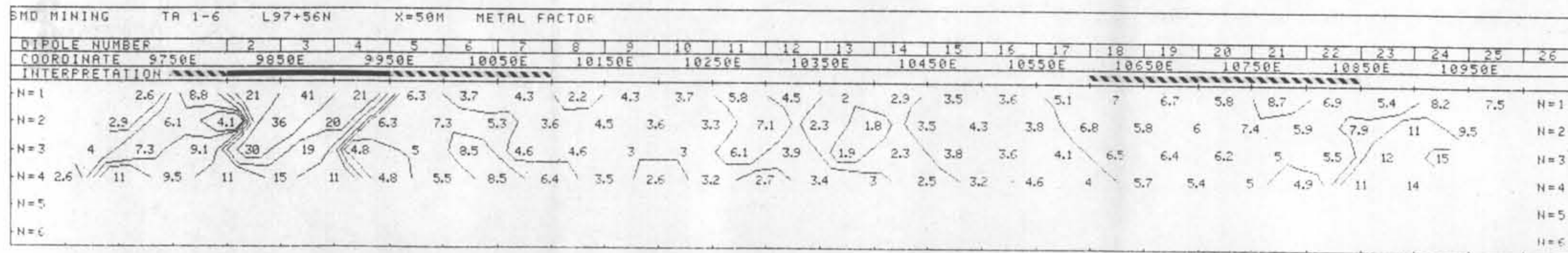
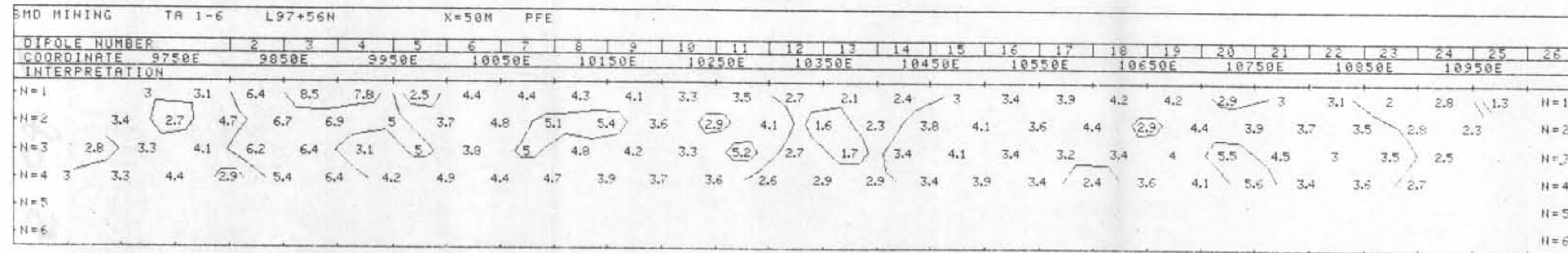
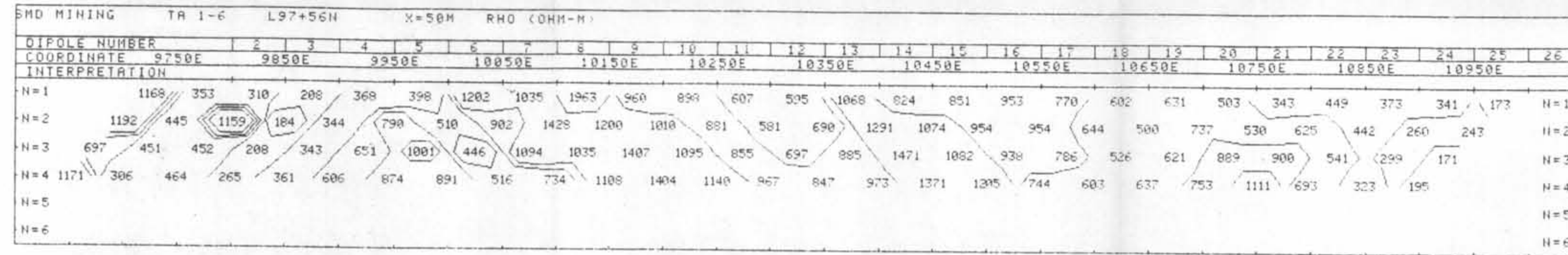
PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

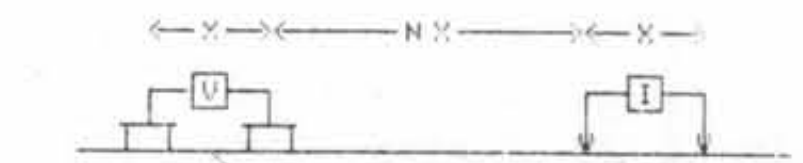
10,880  
PART 5 of 6



SMD MINING CO. LTD.

TA HOOLA 1-6  
KARLOOPS M D

LINE NO -L97+56N



PLOTTING POINT X=50M

SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ) 4 0HZ, 0.25HZ  
DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1, -1.5, -2, -3, -5, -7.5, -10  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

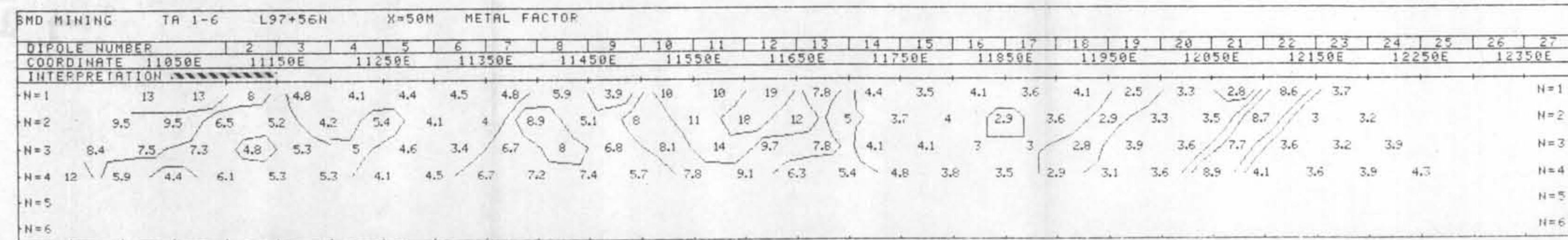
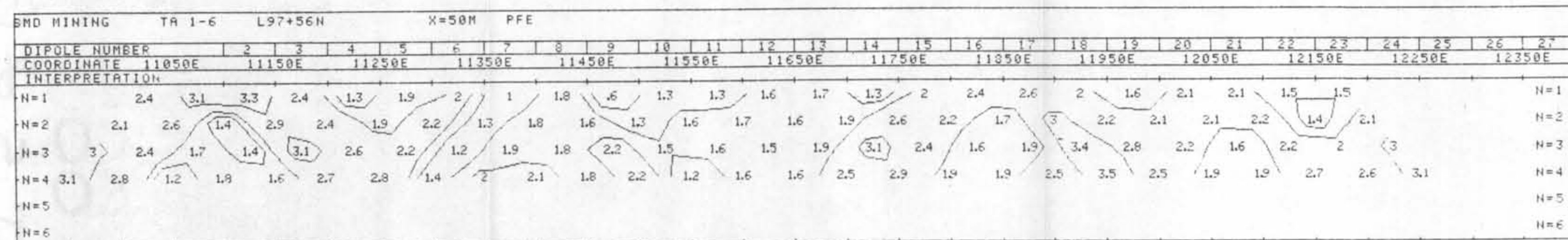
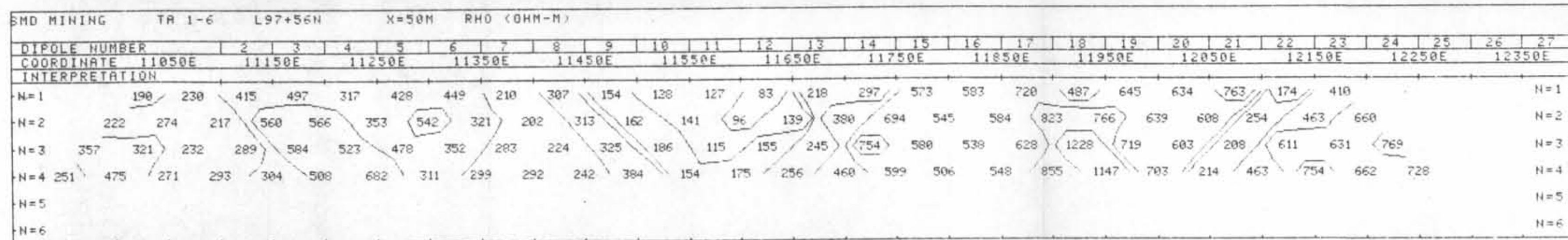
INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

PART 5 of 6



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,880  
PART 5 of 6

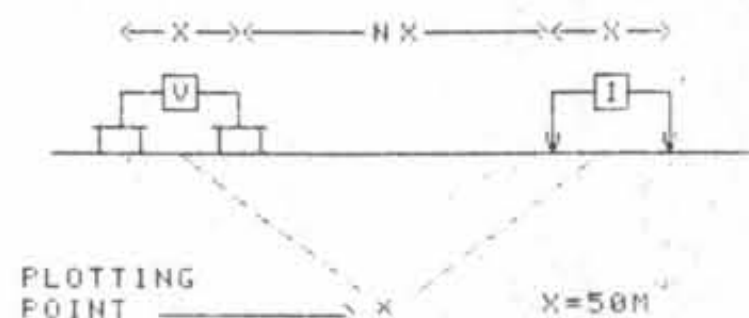


SMD MINING CO. LTD.

TA HOOLA 1-6

KAMLOOPS B.C.

LINE NO -L97+56N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE   
PROBABLE   
POSSIBLE

FREQUENCY (HERTZ)  
4.0HZ:0.25HZ

DATE SURVEYED JUN-AUG 1982  
APPROVED

NOTE- CONTOURS  
AT LOGARITHMIC  
INTERVALS 1,-1.5  
-2,-3,-5,-7.5,-10

*Pfc*  
DATE Nov 22/82

PHOENIX GEOPHYSICS LTD.

INDUCED POLARIZATION  
AND RESISTIVITY SURVEY

PART 5 of 6



