4190 0053

near 198

Item 20

FRM MINERALS, INC.

SUBSIDIARY OF FIRST MISSISSIPPI CORPORATION
UNION COMMONS BLDG. - SUITE 255 / 66 S. VAN GORDON STREET
TELEPHONE (303) 989-5800 / LAKEWOOD, COLORADO 80228

May 7, 1985

Nevada Bureau of Mines and Geology
University of Nevada Reno
Reno, NV 89557

Attn: Ron Hess

Dear Mr. Hess:

Enclosed are location maps, drill hole logs, and accompanying assay sheets for two skeletonized drill holes. These holes are from our Luning Tungsten Project just south of Luning, Nevada. The core from these holes will be delivered to you by Karl Frost, whom you have already spoken with.

Hope the core and logs will be useful to you and others in the future.

Sincerely yours,

FRM MINERALS, INC.

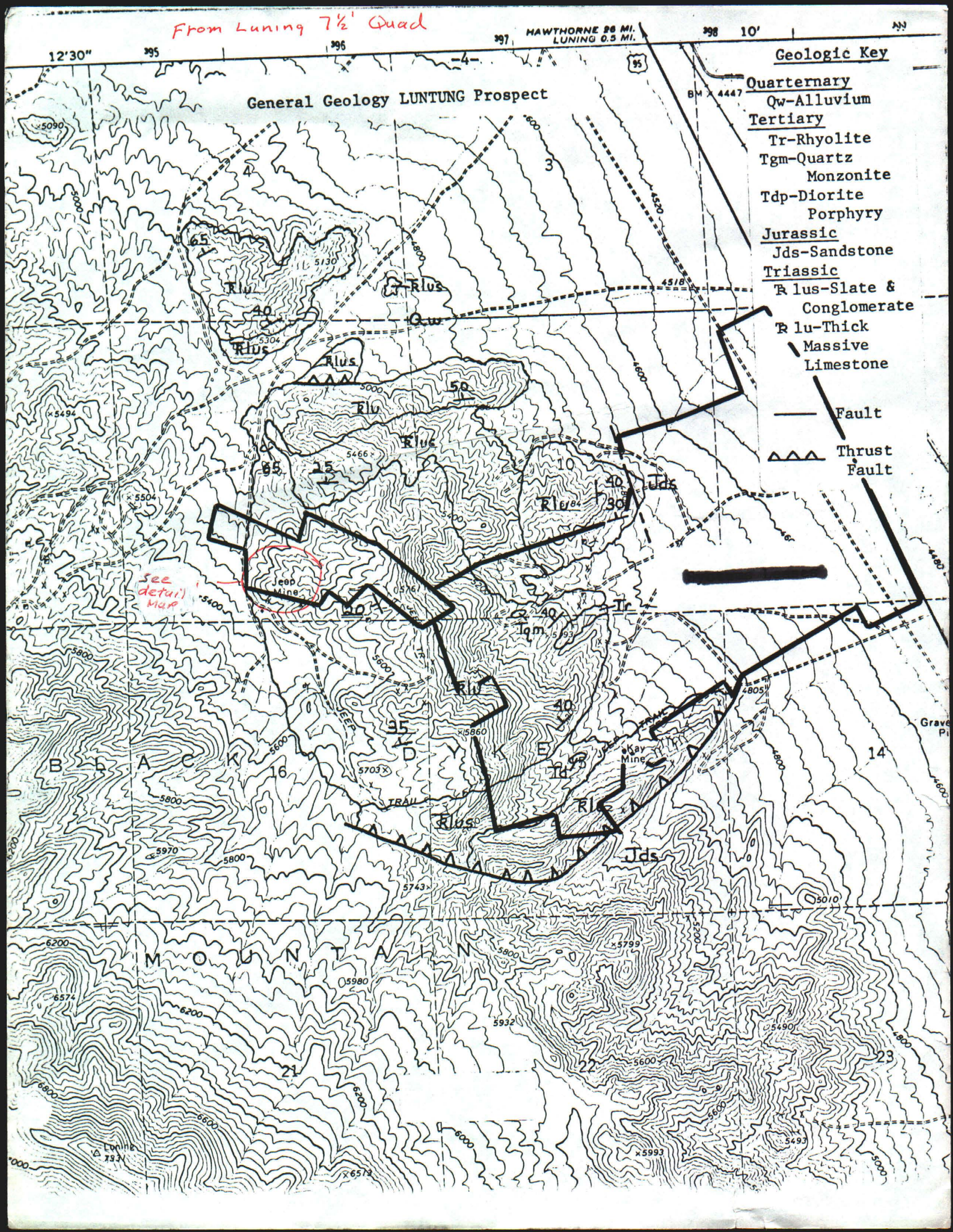
John G. Hill
Chief Geologist

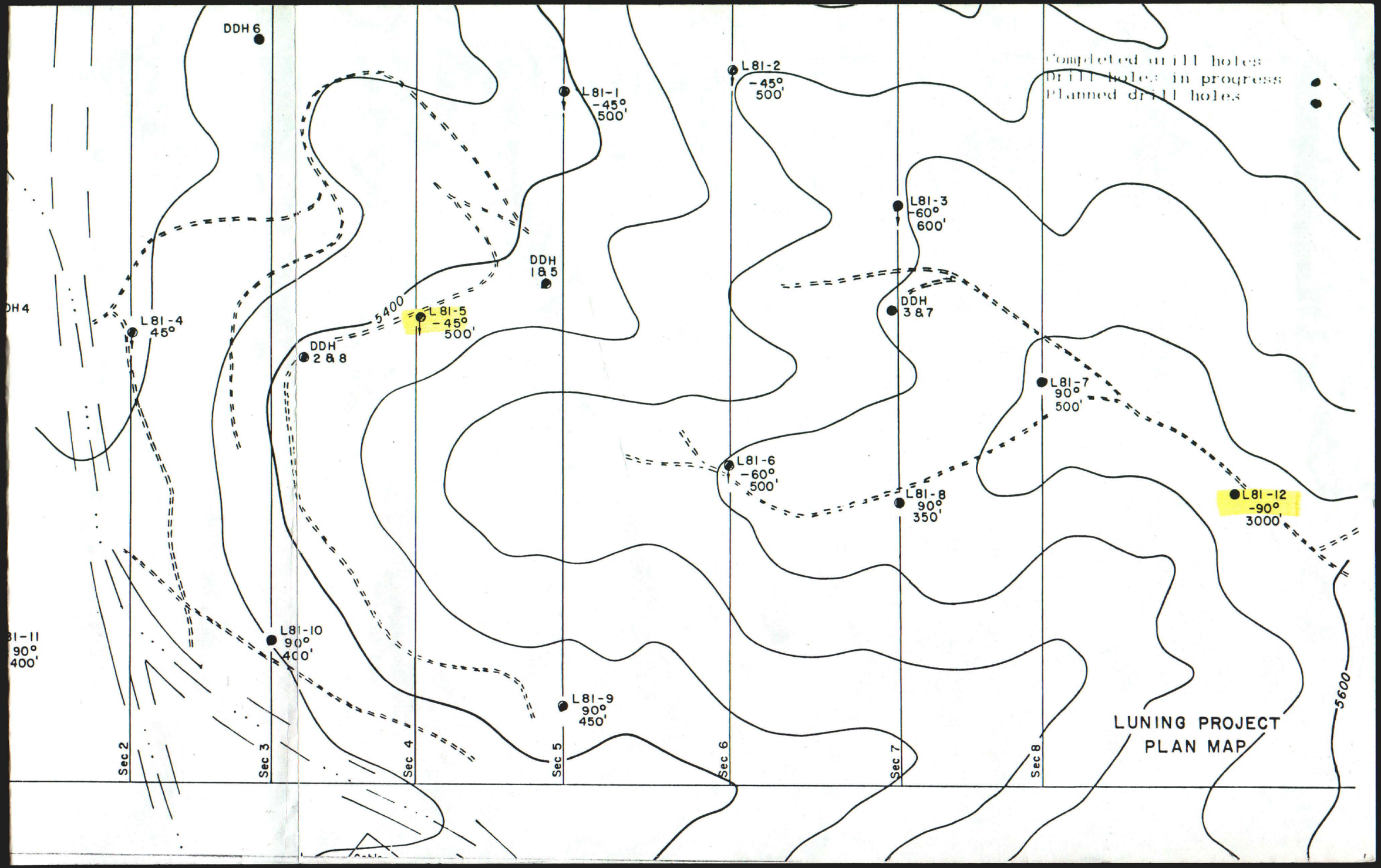
JGH/smw

Enclosure

NO CORE DELIVERED

From Luning 7½' Quad




Completed drill holes
Drill holes in progress
Planned drill holes
DDH 6
L81-1
-45°
500'
L81-2
-45°
500'
L81-3
-60°
600'
DDH
1&5
DDH
3&7
DDH 4
L81-4
45°
5400
L81-5
-45°
500'
DDH
2&8
L81-7
90°
500'
L81-6
-60°
500'
L81-8
90°
350'
L81-12
-90°
3000'
81-11
90°
400'
L81-10
90°
400'
L81-9
90°
450'
5600
Sec 2
Sec 3
Sec 4
Sec 5
Sec 6
Sec 7
Sec 8
LUNING PROJECT
PLAN MAP

ASSAY LOG

Project: _____ Page 1 of ____

Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
30	35	5'	81-551	.021	.049	.488						25
35	40	5'	552	5	22	.34						25
40	45	5'	560	.058	.045	.338						14
45	50	5'	562	.021	.034	.317						14
50	54	4'	554	.042	Nil	.171						11
54'	58	4'	561	.141	.039	.21						11
58	71	13'	555	.041	188	.186						28
71	76	5'	566	116	74	.093						11
76	81	5'	558	73	Nil	.099						11
	86	5'	559	46	14	.088						12
86	91	5'	557	71	Nil	.098						12
91	96	5'	549	107	58	.087						12
96	102	6'	553	92	84	.146						14
102	107	5'	567	.051	72	.119						13
107	111	4'	550	110	24	.094						11
111	116	5'	563	.022	56	.09						13
116	121	5'	564	.036	56	.163						13
121	124	3'	556	.043	50	.133						9
			duplicates 565	.215	.023	.229						16
124	129	5'	743	.137	.061	.463						16
			average of 565 743 for interval									
124	134	10'		.176	.042	.346						←
134	137	3'	750	.03	190	.226						9
137	144	7	807	.028	46	.242						17
144	147	3'	571	.105	.036	.52						7
	149	2'	746	.048	14	.215						5
149	151'	2'	752	.077	.020	.346						↓
151	153	2'	747	.054	.142	.575						↓

N-4-Dm
664-697

ASSAY LOG

Project: _____

Page 2 of ____

Drill Hole: 281-12

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
153	158	5'	81 - 580	.033	.08	.753						12
158	165	7'	575	.065	.036	.573						17
165	167	2'	570	.021	78	.219						5
167	172	5'	568	.042	.087	.558						12
172	176	4'	745	.077	12	.241						10
176	179'	3'	569	.079	121	.406						7
179	182 182	3'	573	.106	.054	.469						8
182	187	5'	577	.054	108	.163						13
187	192	5'	674	.021	.071	.427						↓
192	197	5'	576	.072	182	.438						
197	199	2'	578	.081	.036	.052						5
199	202	3'	572	.129	.033	.922						8
202	206	4'	748	.148	134	.494						10
206	210	4'	672	.151	.028	.249						↓
210	214	4'	574	.11	.073	.629						
214	216	2'	668	.12	167	.964						5
216	219	3'	751	.097	.025	.503						8
219	222	3'	754	.027	102	.643						7
222	229	7'	749	.100	102	.764						16
229	233	4'	579	5	30	.219						9
233	237	4'	663	.054	167	.395						↓
237	241	4'	753	.105	.023	.596						
241	243	2'	662	.216	.025	.23						5
243	246	3'	673	.103	.024	.197						8
246	248	2'	665	.376	1.402	.376						5

ASSAY LOG

Project: _____ Page 3 of ____

Drill Hole: L81-12

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay %F						Composites
248	252	4'	81- 667	.174	.067	.215						11
252	255	3'	783	52	48	.425						8
255	257	2'	790	.074	.038	.285						5
257	260	3'	780	45	18	.173						8
*260	262	2'	796	.09	.107	.37						6
262	267	5'	741	0	152	.370						11
267	272	5'	664	29	67	.174						↓
272	277	5'	778	32	2	.114						↓
277	282	5'	792	48	.024	.161						
[illegible]2	287	5'	784	55	Nil	.485						13
287	292	5'	785	62	10	.7						↓
292	297	5'	786	130	126	.179						↓
297	302	5'	787	184	16	.221						
302	307	5'	782	40	150	.24						
307	311	4'	588	16	Nil	.106						
311	314	3'	779	31	16	.12						
314	319	5'	781	59	194	.45						
319	323	4'	590	48	.027	.281						
323	326	3'	591	40	42	.154						
326	329	3'	582	Nil	44	.054						
329	333	4'	585	53	Nil	.064						
333	338	5'	592	38	77	.194						
338	343	5'	583	13	52	.114						
343	347	4'	594	36	Nil	.062						
347	351	4'	777	192	180	.248						

ASSAY LOG

Project: _____

Page 4 of ____

Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W	F%						
351	354	3'	81 - 581	Nil	6	.082						
354	358	5'	666	57	26	.409						
358	361	3'	589	32	Nil	.025						
361	366	5'	595	196	Nil	.054						
366	369	3'	584	11	18	.048						
369	374	5'	727	10	0	.138						
374	378	4'	769	34	Nil	.048						
378	381	3'	766	5	6	.146						
381	386	5'	586	122	48	.201						
386	390.5	4.5'	764	35	Nil	.096						
390.5	393	2.5'	593	.094	89	.138						
393	398	5'	765	14	Nil	.093						
398	402	4'	761	112	Nil	.494						
402	407	5'	and 587	.056	100	.287						
407	412	5'	669	.047	28	.256						
412	417	5'	670	.05	188	.413						
417	422	5'	671	53	28	.279						
422	427	5'	676	3	Nil	.458						
427	432	5'	675	28	168	.2						
432	437	5'	653	.04	71	.187						
437	442	5'	659	15	22	.167						
442	447	5'	661	64	34	.196						
447	452	5'	658	26	113	.115						
452	457	5'	660	1	50	.048						
457	462	5'	600	21	Nil	.091						
462	467	5'	657	.094	.022	.111						

ASSAY LOG

Project: _____

Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W	F%6						
467	472	5'	81-710	12	54	.152						
472	475	3'	652	.021	26	.331						
475	480	5'	713	43	30	.065						
480	485	5'	705	12	20	.170						
485	490	5'	655	.126	Nil	.063						
490	495	5'	708	64	0	.06						
495	500	5'	697	0	10	.129						
500	505	5'	773	52	28	.137						
505	509	4'	714	30	30	.081						
	513.5	4.5'	707	95	8	.26						
512.5	516.5	2'	706	31	140	.31						
516.5	516	.5'	789	94	83	.154						
516	519	3'	711	23	0	.102						
519	523	4'	696	4	20	.093						
523	527	4'	700	0	10	.085						
~~527~~	~~529~~	~~2'~~	~~701~~									
527	534	7'	701	35	6	.132						
534	539	5'	598	42	74	.341						
539	544	5'	702	.063	12	.222						
544	547	3'	699	0	22	.177						
547	550	3'	703	.149	.023	.304						
556	553	3'	795	.031	147	.344						
553	557	4'	774	76	14	.068						
557	560	3'	599	.036	76	.119						
560	563	3'	694	20	0	.173						

ASSAY LOG

Project: Luning

Drill Hole: LRK12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W	F%						
563	566	3'	81- 704	28	18	.119						
566	568	4'	776	65	134	.34						
568	571	4'	654	44	80	.214						
571	574	3'	775	.071	73	.341						
574	575	1'	768	179	16	.073						
575	580	5'	770	136	36	.086						
580	585	5'	612	73	26	.39						
585	590	5'	615	62	26	.29						
590	595	5'	693	10	10	.105						
[illegible]	600	5'	884	126	42	.189						
600	605	5'	724	177	0	.191						
605	610	5'	794	53	20	.043						
610	615	5'	709	24	118	.15						
615	620	5'	611	8	36	.048						
620	625	5'	614	10	26	.21						
625	630	5'	609	.049	40	.209						
630	635	5'	616	84	30	.13						
635	640	5'	610	29	26	.062						
640	645	.5'	889	3	Nil	.112						
645	650	5'	885	53	18	.101						
650	655	5'	887	42	48	.161						
655	660	5'	892	16	80	.217						
[illegible]	665	5'	720	63	20	.225						
665	670	5'	656	64	54	.849						
670	675	5'	905	31	85	.105						

ASSAY LOG

Project: Lyning

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Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W	Fob						
675	680	5'	81-712	33	94	.124						
680	685	5'	881	17	64	.162						
685	690	5'	771	33	26	.127						
690	695	5'	618	Nil	58	.114						
695	699	4'	883	17	132	.119						
699	705	6	886	16	90	.088						
705	707	2'	882	12	28	.091						
707	712	5'	604	.024	2	.124						
712	716	5'	613	Nil	16	.126						
716	717	1'	895	11	112	.059						
[illegible]	722	5'	888	9	34	.175						
722	727	5'	757	Nil	2	.118						
727	730	3'	683	42	Nil	.154						
730	734	4'	756	Nil	14	.284						
734	739	5'	695	90	0	.344						
739	744	5'	755	Nil	Nil	.19						
744	749	5'	759	5	151	.271						
749	754	5'	758	Nil	26							
754	759	5'	760	Nil	42	.026						
759	764	5'	762	34	143	.088						
764	768	4'	763	15	77	.052						
768	772	4'	619	Nil	87	.046						
772	776	4'	891	15	94	.051						
776	781	5	880	23	97	.09						
[illegible]	785	4'	893	8	22	.054						
785	788	3'	894	2	Nil	.065						
788	792	4'	890	12	104	.366						

ASSAY LOG

Project: _____

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Drill Hole: 281-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W	F%						
792	797	5'	81-601	13	Nil	.086						
797	802	5'	726	0	0	.102						
802	803	1'	603	8	16	.408						
803	808	5'	602	25	32	.088						
808	813	5'	698	6	24	.159						
813	818	5'	597	7	Nil	.061						
818	823	5'	772	34	Nil	.076						
823	828	5'	715	22	2	.355						
828	833	5'	788	80	64	.214						
[illegible]	836	3'	607	.319	Nil	.068						
836	840	4'	608	24	16	.176						
840	842	2'	793	160	89	.303						
842	846	4'	791	46	26	.109						
846	850	4'	716	66	67	.063						
850	854	4'	767	23	89	.133						
854	859*	5'	718	163	.024	.1						
859	864	5'	722	177	8	.358						
864	869*	5'	719	2	44	.429						
869	874	5'	721	0	0	.132						
874	879	5'	728	10	0	.062						
879	882	3'	605	13	60	.08						
882	886	4'	725	0	0	.102						
886	889	3'	736	0	32	.213						
889	892	3'	617	Nil	70	.254						
892	897	5'	717	0	0	.403						

ASSAY LOG

Project: _____

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Drill Hole: L81-12

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
897	902	5'	81 596	31	Nil	.049						
902	907	5'	723	0	0	.621						
907	911	4'	606	9	32	.222						
911	915	4'	744	0	62	.413						
915	920	5'	742	0	0	.179						
920	925	5'	692	80	158	.044						
925	929	4'	688	54	129	.173						
929	933	4'	687	16	48	.105						
933	935	2'	691	37	24	.199						
	S 365 937	2'	689	.034	169	.415						
937	939	2'	690	Nil	Nil	.08						
939	941	2'	686	29	Nil	.181						
941	943 PS	2' 946.5	See		next							
943	945	2'										
945	947	2'			Sheet							
947	949	2'										
949	951	2'										
951	953	2'										
953	955	2'										
955	957	2'										
957	959	2'										
959	961	2'										
	963	2'										
963	965	2'										
965	967	2'										

ASSAY LOG

Project: Zuning

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Drill Hole: 281-12

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
941	944	3	81 684	31	110	.045						
944	947	3	680	18	88	.213						
947	952	5	681	10	16	.234						
952	957	5	679	25	59	.18						
957	961	4	685	19	42	.055						
961	966	5	678	88	4	.188						
966	971	5	677	58	2	.215						
971	976	5	841	Nil	30	.195						
976	980	4	838	Nil	73	.182						
[illegible]	985	5	837	Nil	.021	.453						
985	989	4	845	Nil	.149	.2						
989	993.5	4.5	842	70	.034	.114						
993.5	998	4.5	843	Nil	52	.243						
998	1003	5	846	Nil	142	.197						
1003	1008	5	848	Nil	.04	.224						
1008	1011	3	844	Nil	42	.141						
1011	1016	5	847	Nil	165	.278						
1016	1021	5	840	Nil	102	.253						
1021	1025	4	839	Nil	16	.127						
1025	1028	3	858	.028	169	.385						
1028	1032	4	682	25	18	.221						
1032	1036	4	735	0	.054	.223						
[illegible]	1039	3	738	0	50	.318						
1039	1044	5	740	0	0	.06						
1044	1049	5	739	0	18	.27						

ASSAY LOG

Project: Luning

Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W	F%						
1049	1053	4	734	0	0	.100						
1053	1058	5	737	0	0	.116						
1058	1063	5	731	0	0	.023						
1063	1066	3	730	0	0	.031						
1066	1069	3	733	0	0	.035						
1069	1072	3	732	0	0	.018						
1072	1077	5	729	0	0	.105						
1077	1082	5	1400	16	23							
1082	1087	5	1396	.065%	72							
[illegible]7	1091	4	1398	41	128							
1091	1095	4	1391	.059%	102							
1095	1097.5	2.5	1390	25	50							
1097.5	1102	4.5	1394	21	40							
1102	1107	5	1399	16	59							
1107	1112	5	1389	42	20							
1112	1117	5	1392	17	4							
1117	1122	5	1397	17	12							
1122	1127	5	1393	16	54							
1127	1132	5	1419	10	64							
1132	1137	5	1395	18	16							
1137	1142	5	1353	14	20							
1142	1147	5	1356	17	12							
[illegible]47	1152	5	1354	.026%	44							
1152	1157	5	1347	23	14							
1157	1162	5	1366	17	58							

ASSAY LOG

Project: _____ Page 12 of ____

Drill Hole: 281-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
1162	1167.5	5.5'	91 - 1365	20	90							
1167.5	1173	5.5	1350	52	126							
1173	1178	5	1357	26	16							
1178	1182	5	1363	20	18							
1182	1187	5	1364	29	38							
1187	1192	5	1355	35	22							
1192	1197	5	1352	13	22							
1197	1202	5	1348	13	36							
1202	1207	5	1351	24	28							
1207	1212	5	1340	21	4							
1212	1217	5	1349	26	46							
1217	1222	5	1346	24	94							
1222	1227	5	1344	60	80							
1227	1232	5	1341	25	Nil							
1232	1237	5	1342	21	Nil							
1237	1242	5	1345	34	42							
1242	1247	5	1343	20	69							
1247	1252	5	1282	48	94							
1252	1257	5	1271	30	46							
1257	1262	5	1272	22	46							
1262	1267	5	1280	64	42							
1267	1272	5	1281	47	130							
1272	1277	5	1274	69	40							
1277	1282	5	1276	44	99							
1282	1287	5	1278	96	.039%							

ASSAY LOG

Project: _____

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Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay Mo	Assay W							Composites
1287	1292	5	81- 1273	54	68							
1292	1297	5	1275	25	30							
1297	1302	5	1279	57	58							
1302	1307	5	1277	40	48							
1307	1312	5	1367	39	170							
1312	1317	5	1371	17	104							
1317	1321	4	1368	144	64							
1321	1326	5	1360	68	14							
1326	1331	5	1358	44	114							
1331	1336	5	1372	.029%	22							
1336	1341	5	1370	29	92							
1341	1345	4	1361	29	56							
1345	1349	4	1359	80	Nil							
1349	1353	4	1369	26	58							
1353	1358	5	1362	31	34							
1358	1361.5	3.5	1304	55	54							
1361.5	1366	4.5	1305	124	12							
1366	1371	5	1295	24	48							
1371	1376	5	1306	54	105							
1376	1382	6	1296	39	.038%							
1382	1387	5	1297	22	52							
1387	1390.5	3.5	1299	26	.033							
1390.5	1394	3.5	1300	28	22							
1394	1397	3	1293	39	52							

ASSAY LOG

Project: _____

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Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay Mo	Assay W							Composites
1397	1402	5'	81- 1294	61	16							
1402	1407	5'	1299	19	26							
1407	1412	5'	1337	23	14							
1412	1414	2'	1338	23	48							
1414	1419	5'	1339	167	52							
1419	1424	5'	1336	20	Nil							
1424	1427.5	3.5	1335	104	Nil							
1427.5	1429	1.5	1333	.242%	34							
1429	1434	5	1332	23	12							
[illegible]4	1439	5	1334	32	Nil							
1439	1444	5	1331	.028%	12							
1444	1449	5	1329	33	18							
1449	1454	5	1330	88	2							
1454	1459	5	1376	12	86							
1459	1464	5	1422	110	.024%							
1464	1469	5	1421	11	108							
1469	1474	5	1375	28	88							
1474	1479	5	1373	13	64							
1479	1484	5	1423	21	105							
1484	1487.5	3.5	1377	10	92							
1487.5	1491	3.5	1374	15	166							
1491	1496	5	1424	14	74							
1[illegible]6	1501	5	1420	16	67							
1501	1506	5	1425	14	76							
1506	1511	5	1378	15	38							

ASSAY LOG

Project: _____

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Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
1511	1515	4'	81- 1436	15	Nil							
1515	1518	3	1434	15	2							
1518	1520	2	1437	34	152							
1520	1525	5	1435	9	Nil							
1525	1529	4	1433	10	Nil							
1529	1534	5	1430	13	2							
1534	1539	5	1428	13	82							
1539	1543	4	1432	12	Nil							
1543	1547	4	1431	126	24							
1547	1551	4	1429	.026%	44							
1551	1556	5	1427	16	20							
1556	1561	5	1426	12	22							
1561	1566	5	1292	32	6							
1566	1571	5	1287	61	51							
1571	1576	5	1290	124	16							
1576	1581	5	1289	29	6							
1581	1586	5	1291	35	8							
1586	1591	5	1284	12	40							
1591	1594	3	1289	21	28							
1594	1597	3	1286	20	24							
1597	1600	3	1285	19	12							
1600	1604	4	1283	15	22							
1604	1609	5	1328	28	Nil							
1609	1614	5	1325	.025%	42							
1614	1619	5	1327	192	Nil							

ASSAY LOG

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Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
1619	1624	5	81-1326	86	4							
1624	1629	5	1324	101	Nil							
1629	1634	5	1323	28	Nil							
1634	1638	4	1321	28	Nil							
1638	1641.5	3.5	1322	25	Nil							
1641.5	1645	3.5	1318	14	Nil							
1645	1647	2	1319	.264	52							
1647	1651	4	1320	17	Nil							
1651	1655	4	1317	12	Nil							
[illegible]	1659	4	1316	117	Nil							
1659	1662.5	3.5	1315	17	Nil							
1662.5	1666	3.5	1313	.13	8							
1666	1669.5	3.5	1310	61	34							
1669.5	1672	2.5	1314	127	74							
1672	1677.5	5.5	1311	37	Nil							
1677.5	1680	2.5	1312	30	Nil							
1680	1685	5	1309	22	4							
1685	1688	3	1308	9	Nil							
1688	1691.5	3	1307	.082	6							
1691.5	1696	4.5	1303	192	Nil							
1696	1701	5	1301	54	12							
1701	1706	5	1302	51	50							
[illegible]	1710	4	2062	145	Nil							
1710	1712	2	2064	27	80							
1712	1715	3	2056	7	Nil							

ASSAY LOG

Project: _____

Drill Hole: 281-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
1715	1720	5	2059	35	Nil							
1720	1723	3	2057	15	Nil							
1723	1726	3	2061	4	Nil							
1726	1730	4	2055	.032	Nil							
1730	1735	5	2058	23	Nil							
1735	1740	5	2060	17	Nil							
1740	1744	4	1939	8	Nil							
1744	1746	2	1935	.03	Nil							
1746	1751	5	81-1943	19	Nil							
1751	1755.5	4.5	1937	24	Nil							
1755.5	1758	2.5	1941	81	Nil							
1758	1762	4	1945	13	Nil							
1762	1767	5	1947	17	Nil							
1767	1771	4	1936	69	Nil							
1771	1776	5	1946	45	2							
1776	1780.5	4.5	1931	70	Nil							
1780.5	1785	4.5	1942	6	Nil							
1785	1790	5	1932	.027	Nil							
1790	1792	2	1934	39	42							
1792	1797	5	1938	31	Nil							
1797	1800	3	1940	.023	Nil							
1800	1803	3	81-1944	166	Nil							
1803	1808	5	1933	.100	Nil							
1808	1813	5	2881	55	30							
1813	1818.5	5.5	2054	191	Nil							

ASSAY LOG

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Drill Hole: 281-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
1818.5	1822	3.5	2045	125	Nil							
1822	1826	4	2053	42	Nil							
1826	1829	3	2044	38	Nil							
1829	1831	3	2043	108	Nil							
1831	1836	5	2040	13	8							
1836	1841	5	2041	18	Nil							
1841	1846	5	2096	100	Nil							
1846	1851	5	2047	29	Nil							
1851	1856	5	2049	43	Nil							
[illegible]6	1861	5	2039	6	Nil							
1861	1865	4	2050	7	Nil							
1865	1869	4	2048	30	Nil							
1869	1872.5	3.5	2042	50	Nil							
1872.5	1874.5	2	2036	58	Nil							
1874.5	1878	3.5	2030	69	Nil							
1878	1880	2	2038	14	Nil							
1880	1885	5	2035	62	Nil							
1885	1889	4	2037	120	14							
1889	1893	4	2031	106	Nil							
1893	1897	4	2034	26	Nil							
1897	1901	3	2033	74	Nil							
1901	1904.5	3.5	2032	25	18							
19[illegible].5	1906.5	2	1965	85	Nil							
1906.5	1910	3.5	1966	25	Nil							
1910	1914	4	1962	26	Nil							

ASSAY LOG

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Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
1914	1918	4	1964	13	N:1							
1918	1922.5	4.5	1963	14	N:1							
1922	1926	3.5	1961	57	N:1							
1926	1930	4	1959	22	20							
1930	1934	4	1958	.038	N:1							
1934	1939	5	1956	91	N:1							
1939	1944	5	1960	132	22							
1944	1949	5	1954	19	N:1							
1949	1954	5	1957	8	N:1							
[illegible]54	1959	5	1955	64	N:1							
1959	1964	5	1952	50	N:1							
1964	1969	5	1949	109	N:1							
1969	1974	5	1950	.032	N:1							
1974	1979	5	1953	184	N:1							
1979	1981.5	2.5	1951	29	N:1							
1981.5	1984.5	3	1948	.04	52							
1984.5	1987.5	3	2104	72	N:1							
1987.5	1991	3.5	2105	67	12							
1991	1994.5	3.5	2108	59	6							
1994.5	1998	3.5	2103	81	N:1							
1998	2001	3	2107	169	48							
2001	2005	4	2083	.075	24							
2005	2007.5	2.5	2101	.042	30							
2007.5	2011	3.5	2106	171	N:1							
2011	2013.5	2.5	2085	.031	8							

ASSAY LOG

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Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay Mo	Assay W							Composites
2013.5	2018	4.5	2087	68	10							
2018	2023	5	2084	116	Nil							
2023	2026	3	2086	194	2							
2026	2029.5	3.5	2102	.198	118							
2029.5	2032	2.5	2089	136	6							
2032	2037	5	2080	.071	8							
2037	2041	4	2082	.056	56							
2041	2046	5	2079	101	8							
2046	2049	3	2078	.165	54							
[illegible]49	2052	3	2081	.058	38							
2052	2055	3	1984	170	36							
2055	2059	4	1981	110	90							
2059	2064	5	1982	.021	60							
2064	2069	5	1980	189	8							
2069	2074	5	1974	179	4							
2074	2079	5	1975	159	10							
2079	2083	4	1973	44	Nil							
2083	2086	3	1983	.024	32							
2086	2088	2	1979	43	Nil							
2088	2090	2	1977	.293	28							
2090	2095	5	1978	82	6							
2095	2100	5	1976	.091	30							
[illegible]00	2104	4	1972	133	Nil							
2104	2107	3	1968	118	Nil							
2107	2111	4	1970	35	Nil							

ASSAY LOG

Project: _____

Drill Hole: 2 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
2111	2116	5	1967	37	Nil							
2116	2121	5	1971	.075	4							
2121	2125	4	1969	70	Nil							
2125	2129	4	2009	33	Nil							
2129	2132	3	2089	73	Nil							
2132	2137	5	2010	133	12							
2137	2141	4	2011	.029	20?							← ?
2141	2145	4	2012	32	14							
2145	2149	4	2003	105	76							
2149	2153	4	2028	.038	Nil							
2153	2158	5	2013	.064	6							
2158	2162	4	2008	.071	26							
2162	2163	1	2004	69	18							
2163	2168	5	2014	26	16							
2168	2173	5	2006	169	Nil							
2173	2178	5	2007	.029	14							
2178	2183	5	2005	118	Nil							
2183	2188	5	2176	.022	0							
2188	2193	5	2177	192	0							
2193	2195	2	2175	39	0							
2195	2200	5	2178	71	0							
2200	2204	4	2181	89	0							
2204	2208	4	2179	.068	0							
2208	2213	5	2172	57	0							
2213	2215	2	2182	24	0							

ASSAY LOG

Project: _____

Drill Hole: 281-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
2215	2220	5	2170	38	10							
2220	2224	4	2180	179	0							
2224	2227	3	2174	44	0							
2227	2232.5	5.5	2171	81	0							
2232.5	2237.5	5	2167	74	0							
2237.5	2242	4.5	2169	83	0							
2242	2247	5	2135	104	0							
2247	2252	5	2138	102	0							
2252	2257	5	2123	61	Nil							
2[illegible]7	2262	5	2131	123	2							
2262	2265	3	2122	69	46							
2265	2268	3	2127	76	74							
2268	2271	3	2125	53	8							
2271	2275	4	2126	.022	28							
2275	2280	5	2124	.025	Nil							
2280	2282.5	2.5	2117	147	Nil							
2282.5	2286	3.5	2116	106	2							
2286	2289	3	2119	25	Nil							
2289	2292	3	2121	30	8							
2292	2296	4	2118	22	Nil							
2296	2301	5	2120	54	12							
2301	2304	3	1998	82	60							
2304	2307	3	1997	19	10							
2307	2310	3	1999	.037	4							
2310	2315	5	2000	47	24							

ASSAY LOG

Project: _____

Drill Hole: 2 81-12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
2315	2318	3	2002	63	Nil							
2318	2321	3	2001	75	Nil							
2321	2324	3	1993	12	72							
2324	2329	5	1992	13	Nil							
2329	2333	4	1991	32	Nil							
2333	2336	3	1986	50	Nil							
2336	2339	3	1994	10	Nil							
2339	2342	3	1996	72	Nil							
2342	2346	4	1995	156	Nil							
2[illegible]	2350	4	1985	.032	Nil							
2350	2353	3	1990	105	Nil							
2353	2357	4	1989	35	14							
2357	2360.5	3.5	1988	20	8							
2360.5	2363.5	3.5	1987	71	26							
2363.5	2368	4.5	2173	.169	0							
2368	2372	4	2165	.021	4							
2372	2376	4	2163	198	0							
2376	2381	5	2154	.063	0							
2381	2385.5	4.5	2168	.278	0							
2385.5	2391	5.5	2164	.025	0							
2391	2394	3	2166	21	0							
2394	2397	3	2152	.024	0							
2397	2401	4	2159	89	0							
2401	2405	4	2158	77	0							
2405	2409	4	2156	104	10							

ASSAY LOG

Project: _____

Drill Hole: L 81-12

From	To	Interval	Lab Number	Assay Mo	Assay W							Composites
2409	2413	4	2160	181	0							
2413	2418	5	2155	76	0							
2418	2422	4	2151	121	0							
2422	2425	3	2157	.021	4							
2425	2430	5	2153	.02	0							
2430	2435	5	2162	139	0							
2435	2440	5	2137	25	0							
2440	2445	5	2161	41	0							
2445	2450	5	2136	76	0							
2[illegible]0	2455	5	2129	53	0							
2455	2458	3	2109	36	Nil							
2458	2460	2	2132	29	0							
2460	2464	4	2133	69	0							
2464	2467.5	3.5	2139	61	0							
2467.5	2471	3.5	2130	.022	0							
2471	2473	2	2128	68	58							
2473	2478	5	2134	48	0							
2478	2483	5	2073	69	Nil							
2483	2486	3	2075	57	Nil							
2486	2491	5	2067	152	Nil							
2491	2496	5	2066	27	Nil							
2496	2501	5	2077	.024	Nil							
2[illegible]01	2504	3	2071	Nil	Nil							
2504	2507	3	2076	42	Nil							
2507	2511	4	2068	129	Nil							

ASSAY LOG

Project: _____

Drill Hole: L8K12

From	To	Interval	Lab Number	Assay Mo	Assay W							Composites
2511	2514	3	2065	18	Nil							
2514	2517.5	3.5	2063	11	Nil							
2517.5	2521	3.5	2069	192	Nil							
2521	2525	4	2074	144	Nil							
2525	2530	5	2072	137	Nil							
2530	2535	5	2070	.027	88							
2535	2540	5	2112	70	8							
2540	2545	5	2110	.023	Nil							
2545	2549	4	2098	.044	Nil							
2549	2554	5	2095	.036	8							
2554	2557	3	2111	199	Nil							
2557	2561.5	4.5	2090	.024	2							
2561.5	2565	3.5	2029	118	Nil							
2565	2570	5	2099	144	Nil							
2570	2572	2	2092	160	12							
2572	2575.5	3.5	2093	98	22							
2575.5	2580	4.5	2100	138	Nil							
2580	2585	5	2097	.024	Nil							
2685	2590	5	2096	99	Nil							
2690	2595	5	2094	.057	Nil							
2695	2600	5	2091	77	22							
2600	2605	5	2027	139	8							
2605	2610	5	2923	.021	12							
2610	2615	5	2921	.261	38							
2615	2619	4	2926	79	38							

ASSAY LOG

Project: _____

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Drill Hole: 2 8K12

From	To	Interval	Lab Number	Assay								Composites
				Mo	W							
2619	2622	3	2920	173	36							
2622	2625	3	2924	.041	14							
2625	2628	3	2922	.023	26							
2628	2633	5	2925	159	16							
2633	2637	4	2927	.047	0							

Sheet ___ of ___

Property Luning
Location
Bearing —
Collar Elevation
Started
Hole No. L81-12
Coordinates
Inclination -90°
Total Depth
Stopped

Gris-Frost

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
248	249	poor 20-30%	bx							—	claymatrix gravelly bx, frags of vn qtz, brn skn; mar in sandy-clay matrix
	252	wk-mod 70-80%	vn qtz & grn-brn skn							str. skn alt between qtz vns	60% vn qtz; 40% pale grn-pale brn skn interlayered vn ≈ 45° CA, mod lim-Fe ox stain, trace Mn ox
	252.5	poor 30-40%	bx							—	clay matrix gravelly bx
	255	wk-mod 60%	mar							wk pale grn skn vns, str. bleaching wk "sanding"	wh. marble, w/few wk pale grn skn vns, trace lim-Fe ox stain
	257	good 100%	qtz vn							—	msv qtz vn w/wk lim stain, trace Mal-Cu stain 10-20% of interval is bleached orange mar
	260.4	good 100%	mar							str. bleaching wk pale grn-brn skn vns	msv wh mar w/sparse <1 cm pale grn; brn skn vnlts yesv? vnlt @ 259°
	262	good blocky 90-100%	vn qtz & brn skn							str. skn-qtz vning	80% qtz vn - 20% brn gar skn to pale cream skn (contains Woll.?) wk-mod lim stain, vn containing Scheelite @ 260.5 (between wall? gar?)
	314	mod-good blocky to frax 80%	mar							str. bleaching; rare ltn v. wk sparse thin skn vnlts	large zone of generally massive wh to pale gray marble, cut by sparse ≈ 1cm pale grn to brn skn vnlts, brn yesv? vnlt @ 267.5, zone of relict gray ls 283.5-284.5 w/mod. bleaching, brn-pale grn skn vn at 290', low ∡ (≈ 20° CA) dk grn-dk brn 1-2 cm skn vn 296.5 (cpx-garn) overall wk lim-Fe ox stain, some vuggy-drusy ct on frax
	326	wk-fair blocky to broken 70%	skn vn & mar							wk-mod skn vns str. bleaching; rare ltn	pale grn to brn 1-5 cm skn vns cutting str. bleached marble, wk lim-Fe ox; Mn ox staining, skn vns incl. yesv? wall? vns & pale green skn vns 10-20° CA

Sheet_ _ of ___

Gris-Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L-81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
326	352	poor-fair brkn-blocky 70%-80%	mod. bleached ls							mod bleaching; rexllzn	variably bleached; rexllzed lt gray marble, wk-mod bleaching; rexllzn, some carb. cem. bx, trace pale grn skn vns @ 342-349' (wk Fe ox stain)
	366	poor-fair blocky-brkn 70-80%	mar							str. bleaching; rexllzn	wh-lt gray marble, carb. cem bx from 254-261', variably bleached, some wkly bleached gray ls identified, wk mod Feox
	369	poor-fair frac-brkn 70-80%	qtz vn							—	wh-clear brkn-frac msv qtz vn, wk Feox after py?, sparse brn gar? w/in vn
	369.5	poor-brecciated 70%	bx							—	clay cem bx - sandy to gravelly
	381	mod-good msv to brkn 90%	ls							mod. bleaching; rexllzn wk pale grn skn vning	med gray ls w/ ≈ 30%-40% rexllzed wh marble - vn controlled, wk lim-Feox (more abdt in skn vns; some mar. vns)
	390.5	mod-good msv-brkn 90%	mar							mod-str. bleach; rexllzn wk-mod qtz vning loc.	wh-lt. gray mar w/ 20% relict gray ls, wk Feox-Mnox staining, qtz vns 10-20° CA @ 381.5; 382.5 w/ lim. other
	391.5	mod-good blocky 70-100%	brn-red grn-gray skn?							wk-mod skn vning	soft reddish to brnish, greenish to grayish banded skn zoned around qtz vns at 391.5 w/ lim-hem staining,
	398	mod-good blocky 70-100%	mar							str. bleach; rexllzn v.wk skn alt.	white mar. w/ faint greenish cast locally (incip. skn?) wk Fe ox stain
	407	good 100%	qtz-skn veined mar							wk-mod skn vning wk sil.	wh-gray mar. cut by qtz vns @ 10-20° CA w/ sil envelopes or wk dk brn skn (Feox staining?), wk Feox
	435	mod-good 90%	mar							mod-str. bleaching wk sil, v.wk. skn vning	variable wh-gray mar w/ 20% relict gray ls, cut by qtz vns w/ wh mar halos; some faint greenish skn vns, wk-mod Feox-Mnox qtz vns at 417-418, 426

Sheet ___ of ___

Property _____ Collar Elevation _____ Coordinates _____ Gris-Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
435	435.5	poor brkn	hem bx							—	hem-clay matrix mar.bx w/slide-gray-blk-red color
	463	mod-good msv-blocky 90%-100%	mar							mod-str. bleach & rexllzn v.wk skn vning	variable wh-ltgray mar w/wk Feox-hem, v.wk-sparse <1cm skn vnlts
	465	good blocky 100%	hem cem bx-skn?							wk. sil, wk skn vn alt., str. bleach & rexllzn	blk-dk brn hem cem zone of dense <1cm qtz vnlts 40-70°CA w/brn skn alt (vesuv?) str. hem-Feox
	471	fair-good brkn-blocky 70-90%	mar							st. rexllzn & bleach v.wk skn vning	msv wh-ltgray mar, sparse pale grn skn vnlts wk hem-Feox staining
	472.3	wk-fair brkn-70%	hem cem bx							wk sil-qtz vning v.wk skn vning	blk-red-gray hem cem bx of mar-qtz frags str. hem-Feox
	475	good blocky-mar 100%	mar							str. bleach & rexllzn v.wk skn vning	msv wh mar w/ trace vnlts of brn-grn skn
	477	fair brkn-blocky 70-80%	hem cem bx							wk sil-wk skn alt.	red-black matrix cem mar-qtz-grn/brn skn frags increa. vns of bx, mod Feox-hem stain
	497	fair-good msv-blocky 90-100%	mar							str. bleaching & rexllzn wk-v.wk skn vns	wh-lt. gray mar w/ sparse 1cm skn vn (vesuv?-wod? + pale grn skn) & qtz vnlts 10-30°CA wk hem Feox stain
	498	good 100%	ls							wk bleach & rexllzn	gray ls w/ 20-30% wh marb. vns, qtz vn at 497'
	502.5	good blocky 100%	skn vned mar							mod skn vning, wk sil., mod-str. bleach & rexllzn	wh-gray mar w/ 30-40% brn-white-yellowish skn vns and sil halos on qtz vns, wk Feox, some carb. cem bx
	509	fair-good brkn-blocky 80%-90%	mar							str. bleach-rexllzn v.wk skn. vn.	wh-ltgray mar, some hem & carb cem bx, wk skn vning (ves.), faint grnish-tan cast (wod?), wk hem Feox

Sheet ___ of ___

Property _____ Collar Elevation _____ Coordinates _____ Fris-first

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. 181-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
509	513.5	wk frax-arg 60-70%	arg. white ϕ gm? dike							str. argillization	fg ϕ w/ 1-3% qtz phenos (1-2mm) and 10-20% arg. fold phenos (1-3mm) in arg. ϕ splitic - fg gm - bleached wh.
	515.5	wk brkn-rubbly 50-60%	hem carb-sil cem box							wk-sil, mod arg	variable bx w/ frags of mar, qtz, grn skn in matrix of hem carb-sil
	516	good	int box?							sil - mod to bx matrix	rnded mixed frags in sil. fragmental matrix that has been sil - frags include dk. grn skn, marble, qtz vnd marble, fg ϕ dike (gm?), wk hem Fe ox on frax, frags ang to rnded
	523	mod-good 80-100%	Mar							skn vning - wk str. bleach rxtlzn	wh - pinkish mar, cut by several 1-2 cm qtz vns, fro bx vns, wk pink to pale grn skn vnlts, wk hem frax
	526	poor-fair arg-brkn 70-90%	arg white ϕ gm dike							wk-mod. sil, str. arg	wh to pink-stained fg ϕ (sim. to 509-513.5), 1-3% diss hem after py cubes, cut by ±5 cm qtz vns w/ 5 cm sil. haloes
	527	poor sandy friable	clay box							strong arg.	red stained clayey sandy bx w/ many [illegible] frags, [illegible]
	529	good blocky 90-100%	int. box?							wk-mod sil of matrix mod arg of some frags	heterog. bx w/ sil. matrix of fine fragmented material - frags include arg ϕ, qtz, dk. grn skn, mar; hem after py in some ign. ϕ frags, wk hem. Fe staining
	547	fair good blocky-brkn 80-100%	Mar							str. bleaching, rxtlzn wk skn vning	white marble w/ pinkish gray cast from 539-544, some drusy ct in open vugs, mod hem staining & in some bx vns qtz vns @ 530, 535, wk skn vnlts <1 cm - pale grnish to cream color

Sheet 1 of ___

Property _____ Collar Elevation _____ Coordinates _____ Grid Fred

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
547	553	mod-good blocky-brkn 80-100%	hem cem bx; sil hem mar							wk-mod sil, str bleach; rexitzn	wh to bluish gray mar, w/ qtz vns w/ sil-hem cem haloes (≤1cm vn w/ 7-8cm halo) vn; haloes @ 547.5, 549, 550.5, 552; 552.5
	557	?	wh. fg. arg ϕ gm? dike	ctc 35° CA						str. arg	white fg ϕ (gm?) dike w/ bxated ctc (contain frags of mar); qtz vns, but cut by qtz vn @ 556' ∴ intermineral in age, w/ wk FeOx hem; MnOx stain - dissem hem (after py?)
	563	wk-mod brkn-blocky 60-80%	mar							mod - str. bleach - rexitzn	variable wh - lt gray marble, cut by qtz vn @ 558, wk-mod hem - FeOx staining
	566	mod-good blocky 80%	pink-orange skn?							mod skn alt; vning	soft pinkish - orangish - brownish skn?, stk wk of vnlts w/ qtz-hem centers (1-2 mm) and pinkish margins
	567	good blocky 100%	qtz-hem vn								msv. wh qtz vn w/ hem
	567.5	good 100%	mar							str. rexitzn; bleach	wh. marble, sl. pinkish cast from hem
	568	poor	hem bx; gsc								red hem bx; gsc - hem; clay matrix
	570	mod-fair blocky 80-90%	mar bx							mod str. bleach; rexitzn	ct cem. mar bx - wh-gray mar frags in ct matrix that varies from gray, tan, to red
	571	:	mar							str. bleach; rexitzn	wh - pinkish stained mar., wk hem; FeOx stain

Sheet ___ of ___

Property _____ Collar Elevation _____ Coordinates _____ Gris-Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
571	574		hem-cem mar bx							str. bleach; rexlltn	wh. mar frags w/ hem.-ct cem matrix - frags > matrix no exotic frags, qtz vn @ 571.5-572.5
	575		wh. arg f.g. ϕ (gm?) dike								wh. fg ϕ (gm?) dike similar to several previous dikes, some pink hem stain (dissem/ter py) cuts mar. bx
		702	int bx-							wk-mod sil. of matrix, mod arg of ign. frags,	variable bx w/sil. reddish matrix - exotic frags incl. wh. arg ϕ (gm?), dk grn cpx-med grnger skn (not seen before!) & qtz vn frags, marble, some py cubes → hem in matrix; matrix is bedded locally as if bx "pulsed",
			margin of bx-mostly							mod-str. alt of marble frags, some str. skn alt	
			mar frags							frags	some clong. frags imbricated, frags small → lge; rnded to angular, some mar. frags have bleached rind.
											tr. Mal @ 637.5, vuggy ct & epidote-(veinlets 1-5 cm) 622-623 & 636-670 → some carb leached out, ~~f~~ Hs at 651?, 672 & 677,
		734	int bx-							str. phyllic, mod-wk alt-str.	change in make-up of bx frags & matrix - str. dec. in amt of mar. frags - frags mostly str. serpentized
			mostly ϕ frags							sil. of frags, str. skn alt of some frags - [illegible]	ϕ - fg ϕ [illegible] (gm?) (ϕ?), phyllic alt is mod-str. [illegible] exclusive some dissem Fe [illegible]
										ign. frags may have some cpx-gar skn veining	of ter py [illegible] some frags qtz vned; other frags include vn qtz and med-dk grn med. grained skn - cpx - gar, matrix is more igneous looking & is [illegible] clastic matrix, some zones
											appear to have an igneous textured (non-fragmental) matrix - qtz latte ϕ? similar to some frags w/ agph g.m.; trace Cu stain locally, many frags have mod. sfd → lt. hem matrix, some diss. py → hem in matrix, some Mn ox stain locally

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Property _____ Collar Elevation _____ Coordinates _____ Gris-Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
734	739		int. bx -							str. sil of matrix str. bleach of mar. frags str. skn alt of some	int. bx w/ inc in mar frags & dec in ign frags - some injection of matrix into marble clasts, inc. in
			mar. frags ≥ ign frags ≤ 25%							frags str. phyllic alt. of some ign. frags	dk grn cpx-gar med gr. skn frag - mod abdt hem after sfd cn tect, in skn frags
	776	mod-str. blocky to broken 80-90%	gray-wh. mar w/ wk-mod							mod-str. bleaching & rexllzn wk-mod. sil of mar some carb leaching (silicification squares no calc. sil. skn)	gray to wh. marble w/ wk-mod. sil loc. adj to small injection zones of bx - most frags in bx dikes are mar; qtz-no
			bx ation & silicification								ign. frags. found or no skn. frags found; mod-strong Mn ox stain in trax, brk zones & in sil. "dikes" of bx, dikes @ low ∠CA
	788	good blocky 100%	gray-wh. mar.							wk. sil, mod-str. bleaching & rexllzn	gray-White marble, wkly sil. adj. to some qtz vnlts, no skn. alt adj. to qtz vns, wk. Mn ox stain
	792	mod-fair blocky-brkn 80%	pale gray-brn skn.							str. pale green skn vn alt, wk-mod sil	pale grn-pale brn skn alt. symm. to qtz vn at 789.5 (qtz vn ≥ 20° CA) wk-mod Mn ox stain; qtz vn → brn gar; pale grn → pale grn → pale cream → wh mar.
	796	good mod-blocky 100%	wh. mar							str. bleach & rexllzn wk. sil	bleached wh. mar. periph. to skn vning, wk Mn ox staining, trace sil. vning, tr. pink-cream skn. vning
	804	good mod-blocky 100%	gray mar.							wk-mod bleach mod rexllzn	rexllzed gray mar. w/ wk wh. mar vning, tr. wk pink-cream skn vnlts, tr. hem-feox-Mn ox stain, vns 10-40° CA
	805	good mod-blocky 100%	wh. mar							str. bleach & rexllzn	wh. to pinkish mar. adj. to skn vning at 806'
	840	good - blocky 70-100%	brn. skn & med wh. mar							mod skn. vning str. bleaching & rexllzn	wh-pink mar w/ brn vesuv.-gar skn vn at 5-10° CA at 806', wk-mod feox stain in skn vn, qtz-brn. gar-vesuv.? skn vns @ 808, 810, 811.5, 815.5, 816, 816.5, 819, 821, 824, 828.5, 830, 831.5, 833.5, 835, 837 all at 10-30° CA

Sheet_ _ of ___

Property _____ Collar Elevation _____ Coordinates _____ Gris-Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
840	842	good msv-blky 90-100%	lt.brn to grn skn							str. skn. vn. alt.-mod wk sil	lt.brn to lt.grn skn, msv. to wkly banded, qtz vns at 30-50° at 840.5; 841.5
	854	wk-mod brk to blky 70-90%	brn.skn vnd mar w/hem. int. bx dikes							str. bleach & rexllzn wk stl., wk skn vning	msv. wh. mar cut by lt. brn skn-qtz vns sim. to 805-842 but cut by dikelets of hem. matrix int. bx-frags of "local"
											deriv. ation-mar, lt brn skn, qtz vns, & sil. mar. - a sample of a bleed suspect frags at 853-854 resembling ign. rk., matrix gray red hem-clay matrix (orig. v. sfd rich?)
	866	Good msv-blky 90-100%	skn vned gray mar							wk-mod bleach, mod-str. rexllzn, mod skn vning	med gray w/ bleached wh mar (wh. vns cut gray) w/ mod abdt brn to lt. grn skn vns cutting mar, wk. Fe ox, local ↑ skn
	879	good msv-blky 90-100%	skn-vned wh. mar							str. bleach, strong rexllzn mod skn vning	wh. mar. w/ mod abdt brn to lt grn skn vns cutting at low to mod. ∠ CA, wk Fe ox stain
	882	good msv-blky 100%	wh. mar vned gray mar.							mod. rexllzn, wk bleach v. wk. skn. vning	med gray mar w/ 20-30% wh. mar vns and trace wk skn. vnlts v. w Fe ox on frax
	886	good msv.-blky 100%	skn. vned wh. mar							str. bleach; rexllzn wk skn. vning	bleached wh.-pinkish marble cut by wk 1-2 cm pale grn to pinkish skn vnlts, tr. brn skn vnlts, wk. brn
	892	msv-blky good 100%	skn. vned gray mar							mod bleach, str. rexllzn wk skn vning	matrix bx vnlts (884-886) cutting mar, wk Fe ox-Mn ox stain lt. gray-med gray mar w/ 10-20% wh. mar vnlts; wk skn vning 1-5 cm of dk brn v. sv. and lt. brn-grn gar skn, tr. Cu. stain on frax
	915	good msv-blky 100%	wh-pink skn vned mar							str. bleach; rexllzn wk skn vning	msv wh-pink mar. w/ wk-mod. pale grn skn. vnlts some lim after sfds at mar-skn interfaces, some frax have blue-grn min along them - chlor (or Cu stain?) tr. lim after sfd jon frax wk. bx dikelets 907-909; skn alt ↑ 907-913 black sooty oxide on alt. vn at 914'

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Gris-Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
915	916	good blocky 100%	gray mar							wk. bleach, mod. rexllzn	gray mar w/ trace. wh. mar hairline vnlts cut by couple thin (<1cm) clay - lim - Mnox vnts
	929	good blky 100%	wh-pink skn-vned mar							str. bleach & rexllzn wk-mod. skn vining	wh-pink mar w/loc. grnish cast, cut by sparse pale grn skn vnlts to 927, 927-929 cut by couple 1-3" qtz-mod brn skn vn w/ wk - mod lim after sfds at skn-mar. interface, some Mnox & sooty blk stain also
	933	blky-blky for mod 70-90%	wh. mar w/bx dikes							str. bleach & rexllzn	wh. mar cut by 6"-1' dikes of injected bx material - some exotic frags - brn & grn skn & qtz vn frags, brn-black clay matrix
	947	good msv-blky 90-100%	skn. vned wh. mar.							str. bleach & rexllzn wk-mod skn-qtz vns	msv. wh. mar cut by pale cream to brnish-pinkish vnlts w/fr. py, gar, sfdor? and 2-5cm qtz - brn gar - lt. grn skn vns (934 & 935.5'), vn at 935.5 @ ±45°CA contains py - MoS_2 - scheelite at qtz - brn gar cte, some blacky sooty oxid coating also (sample taken for skel.) starting to get dk grn chlor (or Cu sfd) along hairline fax w/sfd (py), also fresh sfd present
	961	fair-good blky-broken	brn skn vned wh. mar w/ bx dikes?							str. bleach & rexllzn wk. skn. vining	white mar w/ wk. vining of brn gar skn, skn vns have lim at skn-mar cte & dissem lim cubes, cut by 1-6" clay-hem-lim matrix bx w/ rndd, exotic frags - qtz, skn & mar
	980	good msv-blky 100%	skn vned wh. mar.							str. bleach & rexllzn wk skn vining	msv. wh - lt. gray mar cut by wk skn-sfd vnlts (clean) also cut by "healthy" 1-3" qtz - brn gar. skn vns ± py - MoS_2 - Scheelite and some pale grn-pink vns, qtz-brn gar vns at 965.5 at ±45°CA & 978 at 5°CA; qtz grn gar pink vn at 969 @ 60°CA, also some bx dikes at 972 & 974 (1-3")

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Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS (980 wh. mar; 981 cream skn; 982 pale grn skn; 983 brn grn skn; 984 qtz vn; wh. mar)
980	984	fair blky-brkn 70-80%	brn-pale grn-cream skn							str. skn vn. alt. assymm. zoning to qtz vning; bx	skn of variable zone dassymm. to qtz vn at 984 (see sketch below) mod.-lim-Mnox
	985	good MSV 100%	gray mar							mod bleach, str. rexllzn	med. gray mar. cut by 30-40° wh. mar. vns; wk lim-Mnox in vnlts
	989	good blocky 100%	skn vned wh. mar							str. bleach; rexllzn wk skn vning	wh. mar. w/ 3-6" brn. gar-vesuv. skn vns zoned around qtz vns @ 985'; 988 wk-mod lim-Mnox stain (offset)
	990	fair-good blocky 90-100%	int. bx dikelett wh mar							str. bleach; rexllzn	1" brn. hem matrix bx dikelet cutting wh. mar, frags of brn skn, qtz vns; mar, mod hem in matrix, some skn alt of matrix (str)
	993.5	good blocky 90-100%	qtz-vn sil. brn skn							str. skn; mod sil	2'-3" qtz vn at 5° CA w/ sil. margin and brn gar skn halo, py-MoS_2 in qtz vn; py-cpy-MoS_2-2° Cu in sil. 1-2" halo
	1008'	good blocky 90-100%	skn vned wh. mar							str. bleach; rexllzn wk skn. vning	med. gr. wh. to pale gray mar w/ splotchy pinkish zones cut by 1-3cm qtz-skn vnlts 10-30° CA, vesuv @ 995', mod brn skn
	1011	good-fair blocky 90-100%	wh. mar int. bx dikelets							str. rexllzn; bleach	med gr. wh. mar cut by 2-4cm hem matrix int bx dikelets - frags mod local derivation - mar, vn qtz, brn skn
	1025	good-fair blocky-brkn 80-90%	skn vned wh mar							str. rexllzn; bleach wk skn vning	med gr. wh-grayish mar. cut by low ∡ CA qtz-brn skn vnlts 1-3cm, mod hem-brn. oxide staining vns
	1028	good blocky 90-100%	grn-brn skn							mod-str. skn alt, relict mar. str. bleached; rexllzed	med. brn-pale grn skn-qtz/sfd vnlts @ 1025.5'; 1027' trace py-cpy?-2° Cu-MoS_2 in qtz vnlts; skn
	1034		brn skn vned gray mar								med. gr-fn gr. gray mar w/ wk wh. mar vnlts, wk brn skn vning - med. dk brn color - 10-15° CA, wk-mod brn lim? stain

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Property _____ Collar Elevation _____ Coordinates _____ Gris-Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
1034	1036	good blocky 90-100%	soft-brn skn							wk-mod. sknald.	soft brn skn w/ mod Fe ox-Mn ox stain-skn appear micaceous or sideritic
	1039	mod good block 80-90%	wh-brn mar. w/ bx dikelets							str rexllzn; bleaching	m.g. wh. mar w/ brnish tint and local mottled "sknoid" clots-sil core w/ hard pinkish-grayish-brnish rims, hem. matrix 1-4 cm bx dikelets
	1052.5	good blocky 90-100%	pink-gray mar w/ skn vns							mod-str. rexllzn mod bleach wk skn vning	fg to mg gray mar cut by vnlts; narrow zones of pink to wh. mar cut by few brn-yel grn skn vns (<1' wide) w/ sfds (py-MoS2?) wk lim-Mn ox stain, lim after sfds
	1063	good blocky-mod 90-100%	pink-wh. mar w/ skn vns							v. str. rexllzn-becoming coarser grained str. bleach, wk. skn vning incip. skn-	wh to pink med-crse gr. mar. cut by 1-2 cm brn skn vnlts and from 1059-1060 hem matrix bx dikelets mottled appearance locally in pinker zones, rexllzn; incip. skarnification starting to be non-vn controlled (bdg control?) w/ clots; splotches of sil-skarnified material, also mar. becoming crser, wk-Mod Fe ox stn.
	1066	blocky-mod good 90-100%	gray mar							wk. bleach mod. rexllzn	dkuse gray fg dk gray mar. w/ bndg (bdg?) @ ≈35° cut, wk. wh. mar. vnlts, wk hem-Mn ox stain
	1069	good 90-100% mod-blocky	pink-wh. mar							v. str. rexllzn str. bleach wk incip. skn	white to pinkish med.-crse gr. mar w/ some <1cm pinkish-brnish sil clots
	1071.5	good mod-blocky 90-100%	gray mar w/ skn vns							wk-mod bleach mod-str. rexllzn wk skn vning	med gray mar-banded by w/ mar; skn vns, wk lim-hem stain (bdg control on wh. mar-skn banding?)

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Frosy

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L 81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec ~~RQD~~	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
1071.5	1095	90%+	Mbl							skrn veining + Qtz veins	white coarsely Xline Mbl, veined by skarn (vesi?) + qtz veins (10% of rx) fvein MoS_2 in qtz-gar vein
											at 1083' 1-3" vein, MoS_2, cp, cpy in ½ vein at 1084.5
											w/ gar Xls (30% core), skrn vein qtz at 1091.5-2.0
											MoS_2 vein ½" each at 1092.25 (30° ca) + 1092.75 (60° ca) - QG, M.
											MoS_2 - in Q.G vein at 1093.75 (25°)
											8" skrn vein at 1092.0-.75
1095	1097.5		skrn + qtz								Qtz vein + skrn. Qtz at 10-15° ca, broken Qtz frags in brown matrix brecciation
1097.5	1107		Mbl							skarn veining black-brown skarn minerals	white-gray coarsely Xalline Mbl, rock frags in skarn veins Qtz
1107	1108.5		Mbl								dark gray-organic Mbl, mottled black + white, white blebs of calc. material
1108.5	1162.5		Mbl							skrn veins	white coarsely Xalline Mbl, pinkish in spots near skrn veins, Qtz vein barren at 1129 70° ca, Qtz at
											1130-31, 10° ca, w/ hem stains, hem stains along fractures
1162.5	1173		bx								Mbl w/ int. bx Qtz Mbl frags in hem-brown matrix
1173	1202		Mbl							skrn veins 15-30° ca .5-1cm thick	white-gray Xline Mbl hem Fe ox stains along fractures

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Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. 281-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
1173	1185	90+%	bx							grey Mbl → white, bleached narrow bleach veinlets	bx w/ Mbl + Qtz Frags + brown grndms, Large Mbl Frags, banding in grdms, Frags show rounding.
	1187	90+%	Mbl							Fine veinlets of bx material, hem-feox stain in vein Fine vein bleaching	white-grey Xline Mbl minor skrn veinlets
	1197	90+%	Mbl + bx								Mbl w/ bx veins ~20% of core white Xline Mbl Mbl + Qtz Frags in bx Mn Ox at 1223
	1224	90+%	Mbl							grey bleached Mbl	white-grey Xline Mbl calc. filled vugs
	1234										

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Frost

Property Luning
Location Mineral Co., Nev.
Bearing

Collar Elevation
Started
Hole No. L81-12

Coordinates
Inclination vertical
Total Depth
Stopped

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
30	52	good	sil. skarn								brown, gray, white silicified skarn, calcite veins garnet, minor py, mal, limo
52	54	poor	Hfls or dike	1 gm?						this section	green-gray fine grained silicified [illegible] 1 gm intrusive dike or hornfels - sil. skarn
54	58	good	skarn								skarn green, white, brown - garnet, mal
58	59	fair	alt. mal zone								greenish white altered - weathered? mal clay gouge Qtz grains in clay
59	64	poor	sil. rubble								gray Qtz. pebbles in calc. cement?
64	71	poor	calc. rubble								white-~~green~~ calc. rubble w/ breccia frags of Hfls (3"-6")
71	71.6	good	Qtz vein								Qtz vein w/ frags of Hfls - 1 gm tr. mal.
71.6	102	fair-~~poor~~	Hfls sil. skarn								brown-dark Hfls or sil. skarn tr. mal + garnets - rubble
102	103	good	Qtz vein								white, Qtz minor py <1% frags of sil skarn
103	109	fair-good	sil. skarn								green with brown highly sil. skarn calc veinlets rehealed angular sil. frags.
109	111	fair-good	skarn								green-gray calcareous skarn w/ sil. veins-frags

Sheet 1 of 2

Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L 81 -12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
											slightly calc. ~127'
111	137	poor	sil. skarn								grey-brown highly silicified skarn
											angular silicious frags, Qtz veins. minor py. mal.
137	141.3	poor	gouge								red-green white clay-gouge w/ angular
											silicic frags
141.3	142	good	Ls								black Ls bleached along veinlets
142	146	good	Mbl skarn								brown-green Mbl skarn calc veins
146	147	good	Qtz vein								Qtz vein w/ garnets
147	149.7	good	Mbl skarn								white-green-black Mbl unbleached Ls
149.7	150	Fair	Qtz vein								Qtz vein w/ clay gouge on fractures
150	163.8	good	Mbl skarn								white-green-black Mbl skarn
											clay zone at 159'
163.8	164	good	Qtz vein								white Qtz
164	167.6	good	Mbl								black-white Mbl-Ls skarn
167.6	168	good	Qtz vein								white Qtz

Sheet _ of _

Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L 81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
168	172	good	Mbl skarn								white, black [illegible] mbl skarn Qtz veins [illegible] 171
172	172.3	fair	Qtz vein								[illegible] fracture [illegible] garnet skarn 172.3
172.3	174	good	Mbl skarn								black & white mbl - [illegible]
174	174.4	fair	Qtz vein								white Qtz veins
[illegible]	180	good	Mbl [illegible]								[illegible] white [illegible] Qtz veins
180	180.4	good	Qtz vein								white Qtz
180.4	181	good	Mbl [illegible]								[illegible]
181	181.3	good	Qtz								white Qtz
181.3	184.7	good	Mbl Qz.								white black mbl-skarn [illegible]
184.7	185	good	Qtz vein								white Qtz
185	192	good	Mbl [illegible]								[illegible]

Sheet ___ of ___

Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. _____ Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
192	192.3	good	Qtz								
192.3	193	good	Mbl								buff, brown Mbl [illegible]
[illegible]	194	good	breccia								brown breccia Mbl w Qtz frags [illegible]
[illegible]	[illegible].6	good	Mbl								buff, white, Mbl
194.6	194.9	good	Qtz vein								gray Qtz vein
194.9	197	good	skrn								Mbl- skarn, white green, Qtz veinlet minor hem., MnO staine
197	197.2	good	Qtz vein								white-gray Qtz
197.2	199	good	skrn								red, green, buff skrn
199	199.2	good	Qtz vein								white-gray Qtz
199.2	202.	good	skrn								green, white, buff skrn
202	203	Fair-good	Qtz vein								gray-white Qtz

Sheet ___ of ___

Property _____ Collar Elevation _____ Coordinates _____ Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. 281-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
203	213.2	good	skn								brown, green skarn, silicic frags (Qtz?) fine grained
213.2	213.6	poor-fair	Qtz rubble								grey Qtz rubble angular frags broken Qtz vein?
213.6	218	fair	marble-skarn								grn-brn-wh skn
218	220	fair	qtz-gar vn								
220	222	good	Mar-skn								wh-grn mar-skn
222	222.5	good	wh qtz vn								
222.5	224	good	skn								grn-brn-wh
224	225	good	qtz-gar vn								
225	226.8	good	gar. skn								garnetiferous skn - w/qtz vnlts
226.8	231		mar. skn								mottled wh-blk
231	231.1		qtz vn								

Sheet _ of _

Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. 281-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
231.1	237	good	mar-skn								grn-brn-wh skn
237	238.5	good	qtz vn								some lim
238.5	241	"	mar-skn								wh-grn-brn
241	241.8	"	qtz vn								some skn w/ qtzm
241.8	242.8	"	skn								grn-brn
242.8	243	"	qtz vn								tr. malachite
243	243.5	fair	skn								
243.5	243.8	fair	qtz vn								Mn ox
243.8	244	fair	lim-clay								lim stained clay
244	245	fair	qtz vn								
245	246.9	good	skn								has qtz vnlts

Sheet _ of _

Property _____ Collar Elevation _____ Coordinates _____ Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L 81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
246.8	248	poor	bx								red-black Fe ox staining
248-	250	poor	bx-qtzvn								
250	251	"	skn								
251	252	"	qtz vn								
252	252.7	"	bx								
252.7	255	"	brkn mar-skn								
255	257	"	qtz-vn								w/mal., py → lim
257	260.3	"	wh mar								
260.3	261.8	"	qtz vn								
261.8	269.7	"	Mbl wh								white Mbl vuggey 261.8-263.8 yellow brown jarosite fracture staining
269.7	275	"	Mbl rbl								5' of core in 2' of box, wht Mbl rubble

Sheet 3 of 4

Property _____ Collar Elevation _____ Coordinates _____ Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. 12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
275	288.2		Mbl wht								white Mbl, minor remnant black Ls
288.2	288.5		Qtz vein								
288.5			Mbl								MnO fracture coatings

FMC MINERALS, INC. – ROUGH LOG – DATE 6/20/81 DRILL HOLE NO. L81-12 PAGE 18 OF ___

LOG BY M.G. KAE LOCATION Luning SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skn	Arg WM	Sil WM	Veining Q	Veining M G	Veining	Veining	bleach WM	XL ppm	FeOx WM	W% .1	Mo% .1 .2	Remarks
1700																			1700 – 1728 – variable marble grayish w/spotted skn (pink to cream talc-serp ?skn w/clear porphyroblasts) (pink-crm-skn-spotted w/clear porphyroblasts) 55 hardness sim
M-G 90	VM	10 SIK 10 SIK			Mo														
			py-mo-sulf (qtz) chl-mo brn-crm ck-mo typical calc.																
		30																	
	5	30 SIK	pink-crm skn-hem sulf																
	VM																		
1710																			skn in less vein controlled ; more bdd. ? rad. fl – also no gar-px in skn – serp-talc type skn
S 100	S		Mo-sch																
	VM		pink-crm ckn w/ sulf.-py mo-hem																
		30 SIK																	
	bm																		
	VM																		
	bm																		
1720	VM	20 SIK	weak stockwork of py-mo veins																1721-23 clear porphyroblasts → 1cm in matrix of wh-pink to tan fine grained carbonate (scap ???)
M 90	S	broken																	
	bm	35 SIK																	
		30 SIK 30 SIK 10 SIK 5 SIK SIK	stockwork of Mo-py-cpy-bo veins about Mon fracture surface																1728 – 1757 brown Mbl bleached by veins of mo-py ± qtz
1730																			
M-S 95	gm	bm ge																	1st
	gM																		
	bm	ge	stockwork Mo-py ± bo																
	gm																		
1740																			
M-S 100		30 SIK	mo-py vein/fx																- Many fractures now have wh clay on the surfaces
	bm																		
		clay 30 SIK																	- sil. refers here to Si in qtz veins, qtz-mi veins + non-min. qtz veins
1750	gm																		
M-S 100																			- bm may be sideritic Mbl or may be fe ox staining of Mbl along fractures of supergene origin
NC core	bm bm	5 SIK	stockwork Mo-py																
NX core 1760	gm																		
M-S 90	bm		1-2 Mo-py vein/fx																
	gM																		
	bm																		
	gm																		
1770	bm																		1775 – 1777 apparent fine-grained ▲? w/ small 1-3mm Qtz frags + 1-7mm clay after feldspar? frags in carb matrix w/ Mo-py in matrix, flaw foliation? some Mbl frags to 1cm rounded – subangular frags
M-S 95	gm																		
	bv																		
	gm		stockwork mo-py																
	▲?																		
	bm																		
1780	gm																		
M-S 95	bm																		
	gm																		
	bm																		
	gM		stockwork Qtz-Mb-py																
	bm																		
1790	bm																		
M-S 95																			
	gm																		
1800																			

FMC MINERALS, INC. – ROUGH LOG – DATE 6/23/81 DRILL HOLE NO. L81-12 PAGE 14 OF ___

LOG BY MLG-KAF LOCATION SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Samp	Est. Grade	Est. %Py 2 4 6 8 10	Skn WM	Arg WM	Sil WM	Veining Qtz	Veining Mo	Veining Sulf	Veining Clay	Veining Carb	Veining Qtz	Ba	Rd Sur	Fe 01	W% .1	Mo% .1 .2	Remarks
1800																					
MS	gm		stockwork Mo-py diss. Mo-py cpy in ▲		MoS2																in bx 1803-7 besides diss. sulfides there are sulf. frags in the bx.
Bx-10		20 silt																			
1810																					- some of the brn Mbl maybe secondary staining by FeOx
S			10° 1" Mo-py-cpy-sulf.																		
100	gm																				
			5° portion of Mo-py-sulf. vein																		1800-1900 – gm. fg grayish marb w/some brown marble both cut by wk zoned barren vns of qtz w/ct in center up to 1-2cm wide (gen. <½cm). Both rock types cut by int. by dikes w/ frags of marb, white qtz (sil. marb? or sil ign. rx – tot. silic. can't tell orig. rk of these frags), min'zed frags – py – Mo ± cpy ± bn ± clays ± qtz (these frags are sometimes obviously vein frags – tabular frags w/ zoning and other places are just msv sfd-clay frags; no other rk frags such as obvious sf. igneous rks although many small 1-5mm clay frags (after fel?) that look like ign. frags – matrix is variable carb. cemented w/some clasts of qtz, sfd. and clay ± ter feld. w/dissem Mo-py ± other sfds in matrix some grayish marble is more white than gray and some is slightly dolomitic w/ clays liberated by acid
1820	bm		Stockwork of Mo-py-cpy ± sulf. veins clay also carb. Qtz																		
S																					
95																					
1830	gm																				
MS	bm																				
90																					
1840																					
S			0° 1" Mo-py-sulf + Qtz, clay + carb																		
95		sik-5° bx+gge	5° Qtz-carb stockwork Qtz-Mo-py																		
1850																					
MS			Qtz-Mo-py in matrix of Qtz																		
95		10 silk																			
		silk-5°																			
1860																					
S	bm																				
100																					
			30° Mo-py-bn cpy vein																		
1870			30																		
S			Main matrix Mo-cpy-bo frags																		
100		bx+gge																			
	bm																				
1880			wk. stock																		
S	bm																				
100																					
	bn		Main Mtrx Mo-py-bo in frags, diss Mo																		1-6" ▲ shown in min. column
1890	bn	bx	diss. Mo																		
S	30		wk. stockwork in Mbl																		
100	gm																				
		20°																			
1900	9.5																				gm – gray dolomitic marble

FMC MINERALS, INC. – ROUGH LOG – DATE 12/5/81 DRILL HOLE NO. LH-5 PAGE 3 OF 6

LOG BY MLG / KAE LOCATION SXM 4 SCALE 1" = 10'

Rge Rec	Rx	Struct.	Mineralization	Samp	Est. Grade	Est. %Py 2 4 6 8 10	Str WM	Arg WM	Sil WM	Veining Qz	Bleq WM	Xal Size FM	Fe Ox WM	W% .1	Mo% .1 .2	Remarks
100	vm															
110		bx & 55°														
	vm	20° slk														
	ms													.208		
130	vm															
	gm	bx & gge														
150																
	gm															
160	vm															
	ms															
	vm?													.347		
	qtz															
180	vm?															
	qtz															
	t?															
190																
	t?															
200	vm															
	vm															
	t															t - skn veined
210																
220																
	t		45° qtz													
	ls															gls - veined gray Ls
230	gls															

FMC MINERALS, INC. – ROUGH LOG – DATE 12/5/81 DRILL HOLE NO. <81.5 PAGE 3 OF 6

LOG BY MLG/KAF LOCATION SXN 4 SCALE 1" = 10'

| Rec | Rx | Struct. | Mineralization | Samp | Est. Grade | Est. %Py 2 4 6 8 10 | Sér WM | Arg WM | Sil WM | Veining Qtz | Veining | Veining | Veining

FMC MINERALS, INC. – ROUGH LOG – DATE 12/5/81 DRILL HOLE NO 28K5 PAGE 4 OF 6

LOG BY M.G./KAF LOCATION SXN 4 SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skrn W M	Arg. W M	Sil. W M	Veining	Bleq W M	Val Leq F M	Fe W%	W% .1	Mo% .1 .2	Remarks
300	vm															
	gm															
310	vm															
	vm															
	gLs															
320																some wm-sparse skrn veining in gL
	GLs															
330	vm															
	bx	bxc ssp												1.72		
														Sample lost		
340	vm															
	vm															
	gL															
	vm															
350	vm															
	S															
	Qtz															
	MS													Sample lost		
360	gm															
	MS															
	vm															
370	vm															
	MS															
380	MS															
	Qtz															
	AS															
390																
	MS															
400	vm															

FMC MINERALS, INC. – ROUGH LOG – DATE 12/5/81 DRILL HOLE NO. [illegible] PAGE 5 OF 6

LOG BY MLG/RAF LOCATION SXn 4 SCALE 1" = 10'

Rad Rec	Rx	Struct.	Mineralization	Samp	Est. Grade	Est. % Py 2 4 6 8 10	Skn WM	Arg WM	Sil WM	Qtz	Black WM	XL Sil FM	FeOx WM	W% .1	Mo% .1 .2	Remarks
400	vm	Rx relogged 2/82 - changed log somewhat (see following sheet)														After 300' – darkness hinking
410	ms															
	vm															After 400' Qtz not done – too dark
420	ms															
	vm															
	bs															
	t		Cu stains													
430	ms															
	t															
	ms															
440	ms															
	bx + gge															
450	ms ?															
	vm															
460	gm															
	hem bx ?															.357 .376
470	t															
480																.385
	t															.46
490	vm															
500	vm															.357

Roby Quirch

FMC MINERALS, INC. – ROUGH LOG – DATE 2/82 DRILL HOLE NO L81-5 PAGE 3 OF 6

LOG BY MLG LOCATION SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10		Arg. W M	Sil. W M	VEINING					Remarks
400	MS														
	vm														
410	MS														
	vm														
420	MS														
			See. Cu												
430															
	vm														
440	bx	t?	QM?												
	t														
	? QM														
450	t														
	vm														Fe-ox
	t														
460	bx vm														
			strong hem staining along fracture												
	bx														
	vm														
470	Qtz														
	vm t MS														
	Qtz MS														
480															
	vm MS														
	vm														
			disem sulf.												
500															

FMC MINERALS, INC. – ROUGH LOG – DATE

DRILL HOLE NO. L81-5 PAGE 6 OF 6

LOG BY MLG KAF LOCATION SXM4 SCALE 1" = 10'

Rad Rec 500	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skn WM	Arg WM	Sil WM	Qtz	VEINING	Bleach WM	Fox WM	W% .1	Mo% .1 .2	Remarks
	VM															
		EOH 503'										EOH				
510																
520																
530																
540																
550																
560																
570																
580																
590																
600																
610																
620																
630																

Sheet ___ of ___

Property: Luning
Location: ___
Bearing: —

Collar Elevation: ___
Started: ___
Hole No.: L81-12

Coordinates: Grizzly-Frost
Inclination: -90°
Total Depth: ___
Stopped: ___

SXh 9

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
0	30		NC								
	35	90%	m							mod-str. bleaching & realteration of ls, wk vning,	grayish wh marble, pinkish-white carb vnlts w/trace Mnox & trace pale grn min at selvedge, tr. Feox stain
	40	90%	ls							wk bleach, v. wk. sk. vnlts	gray ls, mottled by some bleaching adj. to vnlts, several 5-10mm qtz vns @ 20° CA @ 36', trace Fe ox stain
	50	80%	m							mod-str. bleaching, wk-mod skn. vns v. wk. sil from vns.	wh-gray mar. w/ ≈ 30° pale green sk. vns qtz vn at 41' 1cm to 3-4cm @ 40-50° CA, zoned w/ qtz vnlt in cen. of sk. vn., wk Fe ox
ts @ 51'	54	80%	silic. hnfls or dike							appears to be silicified dike? or hnfls? or chert zone, wk prop?	dk gray, dense, sil? zone, dissem Fe ox specks (after mafic or py?), some specks epid.
	58	80%	skn							mod-str. skn alt wk erg of skn assemblage	pale yel.-grn, soft skn, some clots of dk grn mini-cpx (or chlor?), wk-mod Feox after py?,
	71	50%	bx							—	rubble w/clay matrix, frags of mar, sil dike or hnfls?, & sk.
	102	≈ 70%	sil hnfls or dike							sil-mod-str. (sil may not be introduced), wk skn vns loc-sparse	dense gray, silicified fine grained zone, could be sil dike or hnfls zone, cut by some qtz vnlts at 1ms & CA, trace Cu stain; Mal @ 91-98, wk to mod lim-Fe ox staining
	111	100%	skn							mod skn vning - pale greenish	mottled skn adj. to large qtz vns overprinted on sil dike or hnfls; pale yel-grn, qtz vns at 102' & 104' @ 10-20° CA, wk lim-Feox & wk Mnox stain, some relict gray silic. islands

Sheet ___ of ___

Gris-Frost

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
111	124	blocky to brk'n 70-80%	sil. dike or hnfls							wk skn. vning	lt-med gray dense silic. hnfls or dike, Mod Fe-Mn ox 114-lim after pyrite; 1-2cm gray vn lts, tr. Cu stain
	126	good to blocky 100%	Skn							mod-strong skn vning, v. little relict sil. material	pale buff to pale green, w/some pale brownish garnet brn material, low & qtz vns, skn vns
	129	poor - granular 20-30%	bx								frags of skn matr w/ clay matrix
	137	poor to blocky to frequent 60%	sil. hnfls or dike							wk to mod pale green skn vns in some frags	gray to dk gray sil. hnfls or dike too broken to tell much
	144	granular 30%	bx							frags are pale grn skn	last .7 feet is dk gray ls bx w/ slks ≈ 80°CA
sample @ 145.5	147	good 100%	skn							str. skn	pale grn to pinkish brn skn, crse cpx xls (1-2mm) in qtz vn cutting pale grn pink skn, 1-3" qtz vn at 146.5, mod Fe ox stain
	149	good 100%	ls								med gry ls - fss/frs w/ sparse marble vning, mod skn vning 148-149
	165	Good 90-100%	skn banded ls							skn bnds typically zoned like this (ls — marble — pale grn skn — garnet-cpx ± sfds — qtz vn) mod-str. skn vning	med gray to dk gray ls cut by pale grn to pinkish skn vns zoned outward from central qtz vns (1-5cm thick)
	167	good 90-100%	ls							wk mar & skn vn lts gray ls w/wk vning	wk-mod Fe ox (after sfd tow), qtz vns @ 150, 151.5, 152, 153, 154, 155, 156.5 160, 162, 164; most 80-90° CA, Sa. 10-30°
	172	mod-good brkn 171-172 70-90%	skn banded ls							mod skn banding	pale pink to brn to grnish zoned skn bands cutting ls, qtz vns at 168, 170, brn in skn gar & vesuv?
	179	mod-good brkn 174-175 70-90%	mar. banded ls							wk-mod marble banding, v. wk skn band	pink to wh. mar. w/ trace skarn in center bands cutting ls brn vesuv. vn. at 176?, v. wk Fe ox stain

Sheet ___ of ___

Property _____ Collar Elevation _____ Coordinates _____ Gris-Frost

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-12 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
179	182	good 90-100%	skn							str. skn vining, wk clay alt of skn minls	pale green to brn skarn w/ wk lim after sfd dissem, zoned from qtz vns at 180' & 181'
	197	mod-very good to bkn, bx 192-3. 70-80%	banded mar							wk-mod skn vns cutting mar., mod bleaching & realizn of ls	lt gray to white marble w/ some relict mud grey ls/sh; some wk pale grn skn vns, qtz vns at 182, 194 & 196.5', mod Fe ox
	199	mod-good 90-100%	dk brn-dk grn skn							str. skn alt'n	dk brn to dk grn skn w/ qtz vns @ 197, 198, 199'; dk brn mind is soft bcc (likely org later?)
	202	good 90-100%	pale grn skn							mod-str. skn alt	pale grn & pink skn - banded, some qtz vnlts - small, 45% A
	214	mod-blocky to bkn 70-80%	sil. brn mar.-bx							wk-mod skn vning, qtz vn & sil	brn mar. w/ some sil. zones, several qtz vns, 202-203, 207-208 & 214; bx ated in several zones
	216	good 90-100%	pale grn skn							str. skn alt	pale grn to pale pink banded skn, some (20%) relict marble & shale
	220	good 90-100%	brn skn							str. qtz & brn skn. vning	hard sil. brn banded skn, 1' qtz vn at 218-219
	222	fair frax-blocky 80%	pale grn skn banded mar							mod skn. vning of mar	pale grn vns cutting wh. marble - mottled appearance
	229	good 90-100%	soft brn skn							str. qtz vning & brn skn alt	mod brn to lt brn & pinkish soft skn, mod Fe ox staining qtz vns ≈ 45% A
	241	good 90-100%	pale grn skn banded mar							mod pale grn skn vns band marble	≈ 50% pale grn to pinkish skn bands & 50% relict whitish gray marble relicts, qtz vns @ 231, 237-238, tr. Mn ox stains
	248	mod 70-80%	qtz vned brn-grn skn							str. qtz vned w/ brn-grn skn alt also staining	qtz vns 243, 245-246, 246.5 & 247.5, mixed soft greenish skn bands & hard brn skn bands between qtz vns
											2-1". lim-goeth. gossany zones in qtz vn at 245-246, tr. Mal & Cu stains

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. 681-12 PAGE 1 OF 27

LOG BY MLG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rad Rec	Vrx	Struct.	Mineralization	Samp	Est. Grade	Est. % Py 2 4 6 8 10	Skn WM	Arg WM	Sil WM	VEINING	W% .1	Mo% .2	Remarks
0		No Core											
5		No Core											
	vm												
	gls												
	vm												
	t												
	gs												
	Δ	Δ											
	t												
10													

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 2 OF 27

LOG BY MLG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rqd/Rec 100	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. W M	Sil. W M	VEINING	W % .1	Mo % .2	Remarks
	t											
	S											
	t											
	S											
	Δ	Δ										
	t											
	Δ	Δ										
	S											
	Ls											149–165', 167–172 – skn veined mar.-Ls
	Vm											
	Ls											
	Vm											172–179 – mar. bnddLs
	bls											
	S											
	Vm											
	ms											
200	os											

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 3 OF 27

LOG BY MG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rqd Rec 100	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. WM	Sil. WM	Veining	W % .1	Mo % .2	Remarks
	gs											
	Δ	Δ										
20												
	gs											
	bs											
20												
	vm											
	bs											
20												
	vm											
20												
	ms											
	Δ	Δ								.4102	.376	
20												
	ms											
	Δ	Δ										
	vm											
	qtz											
	vm											
20												
	bs											
	vm											
20												
20												
	vm											
20												
	vm											
30												

FMC MINERALS, INC. – ROUGH LOG – DATE

LOG BY MLG/KAF LOCATION Sxn 9

DRILL HOLE NO. 181-12 PAGE 4 OF 27

SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. W M	Sil. W M	Qtz	VEINING	W% .1	Mo% .1 .2	Remarks
30.0													
	Vm												
31.0													
	Vm												
32.0													
33.0													
	gm												
	gls												
34.0													
35.0													
	gm												
36.0													
	qtz m												
37.0													
	gls												
38.0													
	gm												
39.0													
	ms												
	wm												
40.0	VM												

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 5 OF 27

LOG BY MG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Bmp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. WM	Sil. WM	VEINING	W% .1	Mo% .1 .2	Remarks
400												
	vm											
410												
	wm											
	gm											
420												
430												
	ha	ha										
440												
450	wm											
460												
	ha	ha										
	wm											
470												
	ha	ha										
480												
	wm											
490												
	gls											
500	vm											

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 6 OF 27

LOG BY MG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. WM	Sil. WM	Qtz	VEINING	W% .1	Mo% .1 .2	Remarks
500													
	vm												
	wm												
510													
	QM												
	hΔ	hΔ											
	▲	?											
520	wm												
	QM												
	Δ	Δ											
	▲?												
530													
	wm												
540													
550	hΔ												
	QM												
560	wm												
	ms												
	qtz												
	hΔ	hΔ? ygr											
570	Δ	Δ											
	wm												
	hΔ	hΔ											
	QM												
580	▲?												
590													
	▲?												
600													

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO L81-12 PAGE 7 OF 27

LOG BY MG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. WM	SIL WM	VEINING	W% .1	Mo% .1 .2	Remarks
600												
	▲?											675–702 – bx (intrusion?) contains mar, stkn, qm ϕ frags
610												
620												
630	▲?											
640												
650	▲?											
660												
670	▲?											
680	▲?											
690	▲?											
700												

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 8 OF 27

LOG BY MG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10		Arg. WM	Sil. WM	VEINING				W % .1	Mo % .1 .7	Remarks
700	▲?															
710																702-734 – bx (intrusive?) contains mostly qmφ frags – v. str. phyllic alt'n
	▲?															
720																
730	▲?															
																734-759 – inc. in mar frags in int? bx
	▲?															
740																
750																
	gm															
760																
770	gm															
780	wm															
790	ms															
	wm															
	gm															
800																

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 9 OF 27

LOG BY MG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rad Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. % Py 2 4 6 8 10		Arg. WM	Sil. WM	VEINING					W% .1	Mo% .1 .2	Remarks
	gm																
	wm																
810	vm																
820																	
	vm																
830																	
																.319	
	vm																
840																	
	ms																
	v																
850	wm																
860	v gm																
870	v wm																
880	v gm																
	v wm																
890	v gm																
	v wm																
900																	

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 10 OF 27

LOG BY M.G/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. WM	Sil. WM	VEINING	W% .1	Mo% .1 .2	Remarks
900												
	V wm											
910												
	gm											
920	V wm											
930	V wm	sev. bxdikes										
940	V wm											
950	V wm	sev. bxdikes										
960	V wm											
970	ms											
	gm V wm											
990	bs											
	V wm											
1000												

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. 681-12 PAGE 11 OF 27

LOG BY MLG/KAF LOCATION Sxn 9 SCALE 1" = 10'

Rec'd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10		Arg. WM	Sil. WM	VEINING				W·6 ·1	Mo% ·1 ·7	Remarks
1000	V wm															
1010	wm	sev. bx diffos														
1020	V wm															
	MS															
1030	V gm															
	bs															
	V wm	sev. dikelets														
1040	V gm															
1050	V wm															
	gm															
	wm															
1070	V gm															
1080	V wm															
1090																
	bs															
1100	V wm															

FMC MINERALS, INC. – ROUGH LOG – DATE 6/81 DRILL HOLE NO. L81-12 PAGE 12 OF 27

LOG BY M.G./KAF LOCATION SXN 9 SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10		Arg. W M	Sil. W M	VEINING				W%	Mo%	Remarks
1100	V wm															
	gm															
1110																
	V wm															
1120																
1130																
	V wm															
1140																
1150																
	V wm															
1160																
	A?															
1170																
1180	V gm															
1190																
	V gm															
1200																

FMC MINERALS, INC. — ROUGH LOG — DATE 6/16/81 DRILL HOLE NO. L81-12 PAGE 13 OF ___

LOG BY MLG-KAF LOCATION Luning SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	skn wM	Arg wM	Sil wM	Q	Skn	Bleach wM	xl size fm	FeOx wM	W % .05 .1 .15	Mo % .05 .1 .15 .2 .25	Remarks
1200	gm	h▲ cats mar															0-2.5' bx dikes cut gm mar. 1-3cm w/ hem matrix; qtz-mar frags
1210	gm	h▲															int. bx dikelets cutting mottled mostly qtz/mar frags in hem-br FeOx-Mn ox matrix (some sooty Cu?) - many frags rnded to sub ang. 1210-25' - wh. mar has pinkish tint locally
1220	wm	h▲ 20° hem. matrix brecciated bx															
1230	gm	h▲															1200-47' - gen wh. mar w/ loc. pinkish tint and some gr. mar. cut by narrow 1-4" int. bx. dikelets w/ carb to hem matrix - frags incl mar; qtz, some frags have lim after sfds, mar bx
1240	wm	brkn															
1250		h▲															1247-1300 - variable bx - loc. wh. mar. w/ suspicious texture that looks like mar. frag in a ct-mar matrix - more of a crackle bx appearance, grades to and cut by zones w/ str. hem matrix some sponge, fresh relict sfds; prob. f - p. ; loc. Mo - some frags have sfds in them, some sfds in matrix
1260	wm	h▲															
1270		30° slk															
1280		60° slk															
1290		brkn															
1300		20° slk gge gge slk															some slks; gge in more hem. zones of bx - (later brecc post int bx?)
1310		40° slk 60° slk 70° slk 80° slk gge	str. hem. matrix bx														
1320		brkn															

Mo %: .05 .1 .15 .2 .25

FMC MINERALS, INC. – ROUGH LOG – DATE 6/16/81 DRILL HOLE NO. 81-12 PAGE 14 OF ___

LOG BY MLG-KAF LOCATION LUNING SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skn WM	Arg WM	Sil WM	Veining	Bleach WM	XL size FA	Fe ox WM	W % .05 .1 .15	Mo % .05 1 .15 2 .25	Remarks
1300																
M	▲	brkn														
90																
1310																
M-S	▲															
90																
100																1317-1321 – fresh py; MoS2; another gray min'l (?) dissemin matrix some py-Mo in qtz frags can't est. py well due to v. f.g. size of it – it is odd to see MoS2 dissemin a carb matrix bx – Climax Allax people have never noted this occurrence at any property before to my knowledge (MLG)
1320			Fresh sfds py-MoS2 – little oxid													
S																
100	▲															
1330																
S																
100																
1340																
M-S	▲															
90																
1350			fresh sfds py-MoS2 in matrix – little oxid.													1345-53 – grayish matrix and some frags in bx – v.f.g. gray to sl bx v.f.g. dissem py w/some Mo or some other grayish sfd or graphite (or org?)
S																
100																
1360	▲															gen. ▲ has frags of marb vn. qtz; little else recognized 1361.5 – int bx stops
1370																1364 – small int bx dike/sill has str. arg-qsp qm. frag in arg. matrix
M-S	wm	▲														
		▲														
100		▲	p. brn-p. pink skn vn													
	wm	60° slk														
1380		45° slk														wm – gen. bleached wh to lt. pinkish reddish med. grained marb. w/ wc. vnlts w/lim
		60°	p. brn skn vn													
		h▲														
		50° slk														
M-S	h	▲														
		30° slk														
90		brkn														
		20° slk														
1390		10° slk														
	h▲	30° slk														
M-S		h▲														
	wm	h▲														
100		30° slk	p. pink-cream skn vn/neod.													
		20° slk														
		10°	p. brn skn vn													1389-1390.5 – int. bx has frags of str. arg. apt. igneous? or hinfls tuff?
1400																
		hm														
		9m														
M		Vm	p. pink-p. brn skn vns													
S		h▲ 10° slk														vm – mostly wh-pinkish mg marb w/ wk. skn vning of green to p. brn to pink to p. gm color, little free qtz vns in skn vns
100		Vm	p. pink-p. gra cream skn vns													
		30° slk														
		Wm	10° py-sl? vn													
1410																

FMC MINERALS, INC. – ROUGH LOG – DATE 6/18/81 DRILL HOLE NO. L81-12 PAGE 15 OF ___

LOG BY MLG-KAF LOCATION Luning SCALE 1" = 10'

Rqd Rec	Px	Struct.	Mineralization	Smp	Est. Grade	Est. % Py 2 4 6 8 10	Skn WM	Arg WM	Sil WM	Veining Qtz	Veining Mo	Bleach WM	XL size FM	Fe-Ox WM	W% .05 .1 .15	Mo% .05 .1 .15 .2 .25	Remarks
1400																	
M/90	VM	20° slk	10° brn skrn (vs?) 1cm; 40° med brn skrn (vs?) 1-3cm; 30 brn skrn 1-3cm; pl grn skrn														hairline veins not shown
																	mod - arg
1410	Vm	bkn															▲ - frags of Mbl-Qtz-why hrnfls? tuff or aphanitic
S/100	pgs	40 slk															lgn-rx, gray skrn in hem-brn clayey matrix.
	VM	70 slk	75 pl brn-grn 7" cream skrn														1413-14 pgs vari. pale grn-pink-grey-mottled skrn
1420		bkn															vs-grn gt, minor free Qtz
M/90		90 slk; 70 slk	6" pl-brwn-grn-cream skrn														
	bs	80 slk	brn gt 2" brn-grn-crm 4" skrn grn gt, vs (well?) brn gt, 1"														1428-29 med brn-grn(pek) skrn - brn gt, grn gt + wol? contains ~½-1% MoS_2 ½% py
1430		60 slk; bkn															
M-S/95	VM	20 slk															WM - why - pink med to locally c grnd Mbl, cut by abundant skrn veinlets less than 1cm, density varies <1/ft - 5/ft; most have limon. after sulfides
1440		60 slk; 45 slk; 45 slk	7" brn-grn-gt skrn - (wol?)			45											
S/100		60 slk; 10 slk	2" Qtz-py-neo nav-Cu MoS_2														native-Cu & Neotocite? in Qtz vein
1450																	
M-S/90	VM	70 slk	6" brn-crm skrn vein 1" bs vein														- Hairline Qtz-sulfide veins 1-2/ft
1460	bs	bkn; 50 slk															
S/85-100		bkn; 60 slk	20° 2" + lim. Qtz-bs; 20 3" vein Qtz-bs vein														
1470	VM	30 slk w/ gouge	1/2" brn-crm skrn w Mo 70; 3" brn-lgt grn S; 1" brn-crm; 45° 5" brn-crm skrn														1475 - 1' brn Mbl halo around skrn vein
S/100	bm	20 slk	45 1' brn-grn skrn														Tr. amount fresh sulfides are present
1480																	
M-S/90	VM	▲ crkle bx? bkn	60 1" brn skrn; 60 2" brn skrn														vm - gen. wh to pale gray (due to v.f.g. dissem sfds?) med to loc. crse grnd mar - some color; xl size zonation periph. to skn; sfd ims
			3" lgt grn crm skrn; 10 brn-crm skrn														
1490	bs	bkn	20° 2' brn skrn; 1" crm skrn														
M-S/90	VM	▲ crkle bx?	3" brn skrn; 2" brn-crm skrn														
		bkn															
1500		hem.															

FMC MINERALS, INC. – ROUGH LOG – DATE 6/8/81 DRILL HOLE NO. L81-12 PAGE 16 OF ___

LOG BY MG-KAF LOCATION ___ SCALE 1" = 10'

Rqd Rec	Bx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skrn WM	Arg WM	Sil WM	Veining Qtz	Veining Mo	bleach WM	Xall fizzy WM	fe ox WM	W% .05 .1 .15	Mo% .05 .1 .15 .2 .25	Remarks
1500																	
S 100	vm																1499-1509 small 1-3cm ▲? bx w/ hem clay matrix mostly rounded-subangular qtz-mbl frags in brn skrn
1510			30 1" brn-crm skrn														1511-1515 brn-pnk MBl
m S 90	bm	70 slk	35 Qtz-lim vein 3" brn 3" skrn brg skrn														
	vm		35														
1520	h ▲																
m-S	bm	10° slk															many of slks show evidence of strike-slip movement - i.e. slks in a semi-horizontal plane on bm? ✗ frax
100	wm	30° slk															1525-29 - wh mar w/few vns
	bm	10° slk															1526.5-27.5 - bm mar. crackle bx w/ wh-crm mar matrix interstit. to brn mar frags
	wm																
1530	vm	10° slk	20° brn mar vn														
S 100	vm																1529-1254 - vm: wh-lt. gray mar cut by brn mar vnlts w/ bm-pink halos - 50% staining by halos to nearly brn. mar
1540		10° slk	20° brn mar vn														
m-S 100	vm																1546.5-1249.5 - ms: var. color skn zone halo to brn gar skn vn at 1248 - halo is assym. - halo has mixed banded pink-cream-pale grn-brn skn - looks like serp-talc type skn w/ minor gar in vns halo also has 1-2% py; trace MoS_2 - halo wider on top side of brn skn vn
		30° slk	30° crm-pink-brn skn vns (talc-serp?)														
	ms	30° slk	35 skn vn (see remarks)														
1560	wm	30° slk	40° lim vn														
	ms	35° slk	40° skn vn (see remarks)														
S	vm	45° slk															1248.5-1249.5 - wh. mar w/ ≤1% dissem sfds
100			30° qtz-py-Mo vn														1549.5-1251' - ms: pinkish to grayish talcy? serp? skn zoned periph. to brn gt? skn vn at 1250.5 - w/ py-MoS_2 in pink skn - cut by later? sfd vnlts
			10° crm (talcy?) skn vn lt														
			20° brn mar vn														
1580			40 brn mar vn														
m-S	vm	40° slk 10° slk 40° slk															1551-76 - wh. to lt. gray fg-cg mar w/ zones of brnish mar, cut by hairline vnlts of brn skn, brn mar; hem after sfds - Gray zones have dissem sfds - platy to needle-like wh. xls to 3 mm dissem in mar locally (serp, or talc carbonate?)
95			25 brn mar vn														
			70° lim-Mo vn														
	bm	10° slk															
1590		10° slk															
m-S	wm	90° slk	20° py-Mo vnlt 1-2" clay (talc?) vein														
100	bm																
	wm	30° slk	30° qtz-Mo-py-clay vn														
	bm		2 brn mar-clay														
			30 py-Mo vn														
			40° clay vn														
1600		10° slk	py-Mo vn														
S		30° slk															
100	bm		40° qtz-py-Mo vnlts Pow.														
		10° slk															
1610		30° slk															
M 85	bm																1594-5; 96-7: brn clots to 1cm dissem in mar.
	gm		qtz-lim-clay vn 2 hem-stretch														
			10°														
1620			30° qtz-py-Mo vn														

FMC MINERALS, INC. – ROUGH LOG – DATE 6/19/81 DRILL HOLE NO 81-12 PAGE 17 OF ___

LOG BY MLG LOCATION Luning SCALE 1" = 10'

| Rqd Rec | % | Struct. | Mineralization | Smp | Est. Grade | Est. %Py 2 4 6 8 10 | Skn wm | Arg WM | Sil. WM | VEINING Qtz | Qtz | | |

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay								Composites
				Mo	W	F%						
0	18	18	No Core									
18	20	2	81-28	.032	112	.142						
20	22	2	876	81	.099	.789						5g
	24	2	81-860	.052	143	.118						
	26	2	632	.045	.032	.301						
	28	2	81-856	124	.093	.27						
	30	2	639	.011	10	.149						
	32	2	801	.084	.138	1.267						

ASSAY LOG

Project: _____

Drill Hole: 81-5

From	To	Interval	Lab Number	Assay								Composites
				No	W	F%						
32	34	2	81-906	.027	.185	1.453						5g
	36	2	81-870	.021	22	.093						
	38	2	819	.043	.175	.819						
	40	2	907	105	68	.131						
	42	2	627	174	102	.293						5g
	44	2	875	161	.026	.225						
	46	2	80-6572	39	.023	.618						
	48	2	81-24	85	.276	2.694						
	50	2	81-861	75	68	.368						
	52	2	80-6731	130	.102	.733						
	54	2	81-[illegible]11	136	.062	.345						
	56	2	644	.028	77	.178						
	58	2	80-6593	.035	58	.21						
	60	2	81-623	.032	30	.155						
	62	2	80-6697	.028	.022	.724						5g
	64	2	81-818	.029	.055	1.139						
	66	2	637	87	.036	.818						
	68	2	814	6	.025	.86						
	70	2	80-6736	158	30	1.177						
	72	2	81-[illegible]-32	.023	64	.149						
	74	2	624	.041	34	.079						
	76	2	80-6732	.065	44	.145						
	78	2	6577	64	.084	.321						
	80	2	6574	167	.033	.345						
	82	2	81-31	111	117	.42						5g

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
82	84	2	6576	50	.055	.592						5g
	86		6602	.031	.157	.64						
	88		81-859	.035	.098	1.71						
	90		81-30	36	118	.214						
	92		81-34	.037	.028	.722						
	94		649	193	.045	358						
	96		80-6603	147	.058	.845						
	98		6735	140	.086	.596						
	100		6696	.041	.107	.953						
	102		81-15	75	.052	.413						5g
	104		80-6698	.051	.114	.642						
	106		81-806	.05	.18	1.436						
	108		81-53	.022	.077	.431						
	110		628	.036	.086	.275						
	112		80-6575	.058	.101	.64						
	114		6596	170	.124	.959						
	116		81-646	.04	.051	.453						
	118		80-6592	.086	208	.914						
	120		81-642	25	.031	.405						
	122		643	.024	.051	.613						5g
	124		80-6599	57	129	.097						
	126		81-14	136	.065	1.121						
	128		80-6578	14	160	.964						
	130		81-651	38	50	.097						
	132		80-6733	162	84	.228						

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
132	134	2	80-6539	38	Nil	.1						5g
	136		81-625	5	Nil	.129						
	138		80-6694	.02	.127	1.057						
	140		81-25	.026	36	.178						
	142		80-6725	159	.027	.62						5g
	144		835	.086	.035	.642						
	146		81-16	.19	.347	2.474						
	148		821	.026	.021	.304						
	150		81-26	.045	.048	.601						
	152		829	120	.021	.373						
	154		872	.068	74	.08						
	156		80-6595	56	28	.159						
	158		6658	.061	Nil	.156						
	160		6655	165	Nil	.221						
	162		81-877	156	30	.1						5g
	164		80-6580	.023	12	.16						
	166		81-874	.027	.068	.283						
	168		80-6691	176	.076	1.185						
	170		6570	.06	.027	.513						
	172		81-0849	.051	.06	.784						
	174		863	42	12	.165						
	176		641	97	.038	.645						
	178		631	16	68	.275						
	180		866	69	131	.242						
	182		80-6598	.026	.031	.414						5g

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
182	184	2	81-868	.253	46	.163						5g
	186		634	.114	12	.253						
	188		878	.03	76	.097						
	190		852	94	18	.164						
	192		630	165	N:1	.179						
	194		873	.027	72	.208						
	196		879	94	157	.321						
	198		871	.099	.023	.345						
	200		636	68	40	.199						
	202		864	.027	85	.32						5g
	204		80-6693	189	4	.198						
	206		81-867	.036	32	.141						
	208		80-6601	.034	85	.164						
	210		81-853	141	18	.083						
	212		18	.023	10	.156						
	214		820	87	36	.139						
	216		647	79	8	.167						
	218		80-6573	126	.181	.184						
	220		81-851	94	30	.153						
	222		901	.02	28	.23						5g
	224		80-6594	130	.068	.415						
	226		81-12	.031	.047	.731						
	228		862	.147	.03	.413						
	230		80-6597	.125	.04	.648						
	232		81-865	88	.028	.412						

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
232	234	2	638	82	.048	.203						5g
	236		629	188	60	.115						
	238		19	87	66	.142						
	240		896	.027	115	.056						
	242		802	138	42	.319						5g
	244		80-6683	91	8	.166						
	246		81-803	121	76	.184						
	248		900	72	36	.122						
	250		58	.023	50	.204						
	252		898	.043	34	.184						
	254		897	196	29	.184						
	256		27	87	65	.152						
	258		899	47	40	.099						
	260		80-6687	.056	30	.206						
	262		6689	.042	40	.18						5g
	264		6695	.2	.043	.229						
	266		81-824	108	.022	.33						
	268		827	107	.031	.175						
	270		49	.04	.038	.649						
	272		80-6677	.025	177	.378						
	274		81-43	.099	12	.217						
	276		80-6734	193	137	.333						
	278		81-825	.043	109	.309						
	280		817	161	.031	.28						
	282		826	N:1	22	.144						5g

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay Ni	Assay W	Assay F%						Composites
282	284	2	81-823	.168	.365	.469						5g
	286		836	.029	.081	.803						
	288		799	.06	.077	.402						
	290		80-6676	172	.069	.478						
	292		81- 29	178	34	.252						
	294		51	.093	.061	.064						
	296		80-6686	.037	.032	.659						
	298		6674	.035	.025	.433						
	300		81-822	Nil	46	.174						
	302		904	.129	.048	1.325						5g
	304		54	58	.033	.245						
	306		828	Nil	12	.328						
	308		80-6726	.167	144	.254						
	310		81- 17	.23	.053	.213						
	312		832	.078	.126	.526						
	314		648	.184	.063	.386						
	316		57	.117	.09	.661						
	318		80-6728	.072	.105	.363						
	320		6680	43	137	.21						
	322		81-52	.048	.046	.204						6g
	324		40	.099	.032	.66						
	326		47	.021	170	.124						
	328		830	Nil	90	.223						
	330		80-6690	.059	12	.278						
	332		81- 60	.078	192	.363						

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
332	334	2	81- 63	1.72	.192	.232						6g
	336		Sample lost between Luning's Lab									
	338		816	.053	.022	.118						
	340		810	79	68	.329						
	342		80-6729	.273	.044	.616						6g
	344		6568	.022	Nil	.134						
	346		81-42	43	82	.068						
	348		-35	31	Nil	.115						
	350		50	35	0	.12						
	352		635	.050	166	.41						
	354		808	.116	.044	.716						
	356		Sample lost between Luning's Lab									
	358		80-6567	.16	.028	.358						
	360		81- 23	111	73	.363						
	362		650	.058	66	.122						5g
	364		645	.069	74	.159						
	366		80-6571	36	187	.433						
	368		81- 20	36	0	.152						
	370		622	44	36	.193						
	372		80-6581	90	.026	.554						
	374		81- 65	133	.04	.518						
	376		81-812	56	46	.248						
	378		80-6688	34	90	.324						
	380		81-22	.026	89	.584						
	382		81-854	.117	171	.883						5g

ASSAY LOG

Project: _____

Drill Hole: 181-5

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
382	384	2	80-6604	.121	136	.277						5g
	386		81-640	.063	64	.41						
	388		80-6730	.029	22	.61						
	390		81-903	.126	.072	.569						
	392		804	.033	.041	.857						
	394		633	.037	191	.36						
	396		62	.181	.021	.667						
	398		80-6727	.093	.068	.49						
	400		6692	131	34	.298						
	402		81-798	.036	.026	.264						5g
	404		857	.044	.145	.397						
	406		800	142	.069	.559						
	408		61	.062	.106	.702						
	410		44	.1	.037	.614						
	412		80-6679	84	.022	.916						
	414		81-815	6	130	.286						
	416		80-6656	53	.032	.26						
	418		81-64	.224	.048	.395						
	420		811	.041	86	.661						
	422		36	162	86	.448						5g
	424		833	.057	.084	.39						
	426		831	140	91	.25						
	428		797	.024	.042	.413						
	430		813	.039	110	.386						
	432		33	.067	.046	.369						

ASSAY LOG

Project: Luning

Page 10 of 11

Drill Hole: L 81-5

433-5

From	To	Interval	Lab Number	Assay Mo %	W	F%						Composites
432	434	2'	81-834	.14	.073	.566						5
434	436	2'	80-6682	.029	160	.917						↓
436	438	2'	80-6681	.045	60	.656						↓
438	441	3'	81-48	.101	.07	.692						7g
441	443	2'	805	.085	83	.309						5g
443	445	2'	809	.106	54	.145						↓
445	447	2'	56	.223	87	.121						↓
447	449	2'	55	.088	48	.128						↓
449	451	2'	59	.06	16	.111						↓
451	453	2	908	.111	80	.148						↓
453	455	2	902	.159	118	.233						↓
455	457	2	80-6651	.133	Nil	.0147						↓
457	459	2	81-10	.275	.029	.242						↓
459	461	2	45	.216	177	.311						↓
461	463	2	46	.121	.03	.371						5g
463	465	2	620	.357	.028	.165						↓
465	467	2	850	.976	.044	.203						↓
467	469	2	80-6579	.12	.058	.206						↓
469	471	2	6582	.19	44	.537						↓
471	473	2	81-855	.094	30	.119						↓
473	475	2	80-6685	.079	63	.313						↓
475	477	2	81-869	.067	44	.136						↓
477	479	2	80-6600	.106	76	.153						↓
479	481	2	6589	.218	.118	.222						↓
481	483	2	6678	.205	95	.256						5g

ASSAY LOG

Project: _____

Drill Hole: L81-5

From	To	Interval	Lab Number	Assay Mo	Assay W	Assay F%						Composites
483	485	2	81- 41	.385	.024	.349						59
485	487	2	621	.114	86	.178						
487	489	2	37	.207	93	.205						
489	491	2	80-6684	.46	168	.363						
491	493	2	81- 39	.038	.03	.764						
493	495	2	80-6737	.029	.06	.563						
495	497	2	81- 38	48	98	.355						
497	499	2	626	.357	.021	.179						
499	501	2	80-6591	148	.067	.986						
501	503	2	81- 21	.092	123	.271						
EOH												

FMC MINERALS, INC. – ROUGH LOG – DATE 12/5/81 DRILL HOLE NO. L81-5 PAGE 1 OF 6

LOG BY MLG/KAF LOCATION 5XA4 SCALE 1" = 10'

Rec	Rx	Struct.	Mineralization	Samp	Est. Grade	Est. % Py 2 4 6 8 10	Skrn W M	Arg. W M	Sil. W M	Qtz	Veining	Blce W M	Yul Size F M	Fe W M	WO_3 .1	MoO_3 .1 .2	Remarks
60		NO core															logged very rapidly for lithology & skn altn - should be relogged - entire hole logged in 2 hrs in chilly T° & failing light
10				NC													No Recovery
20	t																
30	bs																
40	t																
50	bs																
60	t																
70	ms																
80	t																
90	ms																
100	t																
	vm																
	ms																
	gm																
	vm																
110	vm																

Slope 0–100' [illegible] KAF/MLG

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FMC MINERALS, INC. – ROUGH LOG – DATE

DRILL HOLE NO. LS1-12 PAGE 20 OF

LOG BY MLG LOCATION SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade Mo %	Est. % Py 2 4 6 8 10	Skr	Arg. W M	Sil. W M	Veining Q J	Veining M O	Veining B G	Bleq	Xol Size	Fe Ox	W % .1	Mo % .1 .2	Remarks
100	sm bm bm		See Remarks															
95																		
90																		
95	bm																	
19	bm																	
M-S 95	sm																	sm = wh-gry Mbl sd – highly silicified.
11	20°		10° Qtz-Mo-py-bo															
M 90	t sm																	t/a – rhy. porphory? or tuff or argillite?
19			45° vein stocking cut by other veins															- Min. is dissem. min. frags + min. veins
M-S 90																		- Min. in Mbl is wk-st stkwk, some oriented veins in stkwk, general less than 45° to C.A.
			Many Mo-Py veins at low angles 0-30°															
19																		
S 100			bx vein															
19																		
S 100																		
			Mo-Py ± bo															
19																		
M-S 100																		
19	t		30° bx flow foliation															
M 90	sm																	
90		bxe gge																
M-S 90	sm																	
	sm																	

FMC MINERALS, INC. – ROUGH LOG – DATE

DRILL HOLE NO. L81-12 PAGE 21 OF ___

LOG BY MLG LOCATION

SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skr	Arg. W M	Sil. W M	VEINING Qtz	Vo			Bx	Blee	Xal size	Fe ox	W %	Mo % .1 .2	Remarks
2000																				
S/100	▲		50° foliation																	
	m																			
2010	▲																			
M/92	sm ▲		See desc.																	Min. struck in Mbl & dissem in veins in the bx's
2020	sm																			
M/90																				
	▲	bx+gge																		
2030	sm																			
M/90	▲																			
	sm																			
2040	△																			
W/60	sm																			
		brkm w/rbble bx + gge																		Contact bkm + cm broken
2050	△ gge																			
W/60	t																			
	t																			
2060	△ mt																			
W/80	t																			
2070	△																			
W/80																				
2080	s																			
W/90	t																			bs- brown ves skrn
	bs																			
	gs																			
M/90	MS		20° Qtz - Mo CPY																	
2100																				

FMC MINERALS, INC. – ROUGH LOG – DATE

DRILL HOLE NO. L 81-12 PAGE 22 OF ___

LOG BY KAF LOCATION

SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skrn	Arg WM	Sil WM	Veining	Blcx	Rd size	fe ox	W% .05 .1 .15	Mo% .1 .2	Remarks
2100																
M/90	MS															gs at 2111 has Kspar veinlets. Is this an altered sill? Qtz-py veins w/ cpy
2110																
W/90	gs															
	MS															
2120																2122
W/90	qm															qm - fine-med grained qtz monz. bio ipx fresh bio kals at
	MS															MS blocks to dark grn skarn. ves? diop?
2130																
W/90	qm															qm - 2132-53 med-coarse grnd qtz monz. plags → greenish bio. fresh to slightly altered rare plag porphyroblasts & qtz grains to 1cm some potassic alteration Qtz-Mo veins seen to cut potassic veins minor dissem py minor Mo. moly in Qtz veins, minor amount on fractures Qtz-Mo veins ~ 1/ft 1" - 1/16"
2140																
M/95																
2150		30	SIK													
W-M/95	MS															MS - black - drk grn fine grnd skarn w/ qtz blebs, calc. veins, py. This may be an altered black tuff - argillite blebs at grn-wht skrn
2160																
W/100	qm	46	SIK													
	MS															
2170																Min. dissem py - more abundant in areas of grn-wht skrn. Qtz-Mo veins w/ py ± cpy sparse in this interval less than 1/ft
W-M/90				30	Qtz-Mo											
				30	5"											
					Qtz-Mo vein											
2180																
W/90	t															
2190	MS															
W/M/90	gs															
	MS															
2200																

FMC MINERALS, INC. – ROUGH LOG – DATE DRILL HOLE NO. 28-12 PAGE 23 OF ___

LOG BY LOCATION SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. %Py	Skr	Arg. WM	Sil. WM	Veining Qtz	Veining Mo	Veining	Veining	Veining	Plco.	Xal Size	Fe ox	W%	Mo%	Remarks
2200																				
W 90	MS-bt																			Qtz-Mo veins bls-skarn veined altered black tuff?
2210	gws																			
W 80	bls																			gws-grn wlx skrn-altered ign rock? Occasional Qtz grains. Kisper sericite 2-4% py
	gws																			
	bls																			
	gws																			
2230	bls																			
W-M 100	gws																			2208 – 2291 Moly very sparse some fracture coating + in Qtz-py veins
	bls																			
2230			disp-py skrn vein																	
W-M 100	gws																			See py w/ grn garnet? in gws
	bls																			
	bx	bx+ gge	gs vein																	
2240	bls																			bls is probably argillite that has been thermally metamorphosed. See py in ½" xals, blebs stretched out along bedding? - flowage. See bls → gws by bleaching, recrystallization. Is there bedding control of the skarning in this unit. See occasional Qtz Mo veinlets <1/ft
W 100																				
2250																				
W 90			80 Qtz-Moly ¼"																	
2260																				
W 90	gws																			
2270	ws																			
W-M 90	bls																			
	gws		0° Qtz Moly ¼"																	
	bls																			
2280	gws																			
W-M 90	bls																			
	gws																			
	bls																			
	ws																			
2290 M 100	bls		66 Qtz-Mo ½"																	
	gws		gws																	
	bls		Qtz-Mo ½"																	
	gws																			
2300	bls		gws																	

FMC MINERALS, INC. – ROUGH LOG – DATE

LOG BY

LOCATION

DRILL HOLE NO. 281-12 PAGE 24 OF

SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Smp	Est. Grade	Est. % Py 2 4 6 8 10	Skarn	Arg. WM	Sil. WM	Veining	Bleo.	Xal Size	Fe ox	W%	Mo%	Remarks
2350 W/95	bls		gws; Qtz-Mo ½"													
2310 W-M/90	bx; bls; gws		Qtz-Mo ¼"?													
2300 W-M/80	bx; bls; gws															
2290 W/80	bls		Qtz-Mo													
2280 W/90	bx; sh; bls		10 Qtz-Mo ½"; 90' Qtz-Mo 2"; gs; gs; Qtz-Mo													
2270 W/70	gs; bls		30 Qtz-Mo ½"; 40 Qtz-Mo 1" 4													
2260 V-M/90	gws; bls		45 Qtz-Q T; 30 Mo ½"; Qtz-Mo													
2250 W-M/90	gws		0° Qtz-Mo ¾"; 40 Qtz-Q T ½"; Mo ½"; Qtz-Mo; UC Qtz-Mo 1"													
2240 M/90	bls; gwr; bls		Qtz-Mo; Moly-Qtz veins + diss. Mo.?													
2230 W-M/96	gws	Mineral streak Mo-Qtz veins	Qtz-Mo ½"; 20 Qtz-Mo ½"													

Remarks:

sh – shale unaltered shale-argillite black fine grained trace pyrite

bls – 2324-36 bleb of Qtz + albite? parallel core axes only slightly altered shale-argillite recheck – perhaps change rock name during relogging examine degree of alteration of shale in higher rx

gws – 2277 med-grnd disp-trem? Qtz-Alb? skarn w/ remnant clay from shale, banded texture

See Moly in Qtz veins and or fracture coatings. Very low % but noticeable best Mo in Qtz vein at 2280-82

See little py in the Qtz-Moly veins

FMC MINERALS, INC. – ROUGH LOG – DATE

LOG BY KAF LOCATION

DRILL HOLE NO 281-12 PAGE 25 OF ___

SCALE 1" = 10'

Rqd Rec	Tex	Struct.	Mineralization	Smp	Est. Grade	Est. %Py 2 4 6 8 10	Skrn	Arg WM	Sil WM	Veining Qtz	Veining Mo	Veining	Veining	Veining Sulf	Dlca	Xal size	Fe ox	W% .1	Mo% .1 .2	Remarks
2 400																				
MS 90	gus		40 Qtz-Moly ¼"																	vsh-bls - veined shale argillite - change previous symbols during relog.
	vsh																			
24 410	vsh		4" gs w/py Mo gs vein																	
W M 95	gs																			
24 MS																				Ms bl & grn S diop? veins in altered shale
M 95	gs		40 Qtz-Mo 30 Qtz-py																	Qtz-Moly veinlets sparse .1/ft. Thin ¼-½" little py in the Qtz-Moly veinlets
	vsh																			
24			30 ½" Qtz-Mo Trem.? vein w/ minr Qtz																	
W M 90																				vsh-bls - thin calcite veinlets fine grained slightly altered sh banded-speckled texture. low py % Moly only in Qtz vein & along fractures
			gs vein																	
24 40																				
W M 90																				
24																				
M 90			gs vein																	Skrn column is equiv. to horntels alteration of the shale - argillite
24	gs																			
W M 85	vsh		40 Qtz-Mo ½"																	
24	gs																			
W M 90	vsh		frag of Qtz-sh gs Moly hx vein ? Qtz-Mo ¼"																	
	gs																			
24																				See minor veinlets w/ bio in DB77-2586
W M 90	gs																			
	vsh																			
248			45 Qtz-Moly ½" py vein																	
W M 90	gs																			
	vsh																			
2 500																				

FMC MINERALS, INC. – ROUGH LOG – DATE

DRILL HOLE NO. L81-12 PAGE 26 OF ___

LOG BY KAF LOCATION SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Samp	Est. Grade	Est. %Py 2 4 6 8 10	Skrn	Arg WM	Sil WM	Veining Qtz	Veining Mo	Veining Py	Bleo	Kal Size	Fe Ox	W% .1	Mo% .1 .2	Remarks
500																		
90	vsh gs vsh		Qtz-Mol 1"															vm - bleached wht - lt/dk gry Mbl w/ veins of green Talc-serp-chl see very fn sad py in Mbl
			10 Qtz 10"															
			Qtz-Mo 2"															
25 10	gs		60 Qtz-Mo ½"															
W 90	vsh gs vsh		Qtz 2"															
	vm		15 Qtz-Py															vm - lht-drk gry Mbl w/ talc? serp chl
25 20			Qtz-Py															
V-M 90			45 Qtz-Mol 1"															bx at 2533 angular frags of Mbl gray-grn-white very minor Qtz - fault bx?
	vsh vm		Qtz-Mo															
25 30			bx-talc w/ soft vein f/ Musspy															
M-W 95	vm	Δ? bx ~4"																vm shows chl veining some chl → bio chl veins occur about 3-7/ft generally as thin <1 cm veinlets also see minor red-pink talc that may be rhodochrosite or other Mn carbonate
25 40	gs																	
W 90																		
	vm		py-Moly Qtz vein															
25 50	gs																	
W 80	vm bx vm talc																	yh, vm between 2560 - 2575 is silicified. It contains Minor py veinlets ~ 1/ft
25 60	vm																	@ 2579 see Mag rims on py, dissem? mag.
M-W 90	talc vm		skrn vein talc															
	vsh vm vsh		35 chl-py veinlets															vsh - chl altered sh drk grn very weak rock
25 70	vm																	
W-M 90	bch vm vsh		25 calcite-Qtz-py-Mo vein bx-gge?															
25 80	vsh																	
W 90																		
25 90	vm vsh		5" 30 Qtz-Mo 20 Mo-py															
W 80	vm		py-cpy															
26 00																		

FMC MINERALS, INC. – ROUGH LOG – DATE

DRILL HOLE NO L81-12 PAGE 27 OF 27

LOG BY KAF LOCATION

SCALE 1" = 10'

Rqd Rec	Rx	Struct.	Mineralization	Samp	Est. Grade	Est. %Py 2 4 6 8 10	Arg. WM	Sil. WM	VEINING	Bka	Rel size	Fe Ox	WO6 %	MoO6 %	Remarks
26															
M. W	um														2603 – red xals of ?
															2617–19 um shows minor bx. crackle bx ?
80															
2660			10' Mdy												
W. M															
90															
															gs – talc-serpentinized highly altered Mbl
2670	rbx														
	gs														
W	um														
90	gs		Moly-free coating												
	um														
	gs														much of the um & gs carries minor disem. py & minor moly as fracture coatings. The gs is badly broken
2680	um														
W															
90	gs														
	bx		Moly free												
2690		End of core Recovery 1981													
		rotary													
2700															
		EOH 1981													

Sheet ___ of ___

Property Luning
Location Mineral Co, Nev
Bearing

Collar Elevation
Started
Hole No. L81 - 5

Coordinates
Inclination
Total Depth
Stopped

sxn 4

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
18	19	Fair	Skarn								diopside w/ MnO dendites, siliceous calcite vein
19	21.4	poor	rubble Qtz								white, brown, green siliceous rubble
21.4	23.7	good	Skarn								green, brown, white - diop, garnet, Ls slightly siliceous.
23.7	26.	Fair	silicon rubble								siliceous rubble, some skarn minerals
26	27.	good	Skarn si↑								green, brown, white skarn siliceous
27.	27.5	Fair	rubble silic.								Qtz rubble, si
27.5	31.2	Fair	sil. skarn								Green, white, black siliceous skarn MnO rubbley
31.2	33	good	Skarn Limey								green, black skarn, calcereous 0-.1
33	37	Fair-good	sil. skarn								green + white skarn highly siliceous diop + qtz, calcite vein
37	37.9	good	skarn								garnetiferous skarn calcite vein
37.9	38.	Fair	Qtz vein								white Qtz rubble

Sheet ___ of ___

Property Luning
Location Mineral Co, Nev.
Bearing ___

Collar Elevation ___
Started ___
Hole No. L81 5

Coordinates ___
Inclination ___
Total Depth ___
Stopped ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
38	38.5	good	skarn								garnet skarn w/ qtz blebs
38.5	40.9	poor	sil, rubble								siliceous rubble Hrnfls ?
40.9	41.	poor	gouge								clay gouge white, qtz grains ?2 P
41	44	Fair	sil, rubble skarn?								white, green, pink? siliceous skarn Mn0 dendrites
44	46	good	Mbl								white marble sugary texture
46	49.2	poor ?	altered Ls skarn?								white, green pink Ls skarn minor diop. quartz veinlets
49.2	49.3	good	Qtz vein								white qtz
49.3	51	good	skarn								white, green, brown - Ls, diop, garnet skarn slightly siliceous
51	51.2	good	Qtz								white Qtz
51.2	52	good	skarn								green, white, pink - diop, garnet, qtz skarn
52	52.1	Fair	sil, rubble								siliceous rubble

Sheet ___ of ___

Property Lyning
Location Mineral Co, Nev
Bearing ___

Collar Elevation ___
Started ___
Hole No. L 81 - 5

Coordinates ___
Inclination ___
Total Depth ___
Stopped ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
52.1	54	good	skarn								green, brown, white diop, garnet, qtz skarn siliceous, MnO dendrite
54	60.4	poor	Qtz vein								white qtz w/ garnet stringers + minor diopside
60.4	67.9	fair	skarn								brown, green garnet diop. skarn broken core, Mbl content 25%
67.9	76.1	poor	sil. skarn Hbls?								rubble of Qtz, sil. skarn - Hbls
76.1	79	good	Mbl skarn								white, brown, green Mbl skarn garnet, diop
79	81	good	altered Ls								black + white recrystallized Ls mal. fracture coating Cu-carb
81	82.6	good	Mbl								white coarse grained Mbl
82.6	87.7	good	skarn								white, brown, green skarn garnet, diop? C-S?
87.7	87.8	good	Qtz vein								white Qtz w/ garnet stringers
87.8	91 102.2	good	skarn								white brown, green skarn ? calc-silicate - garnet diop? - talc, serpentine?, calc. veins
102.2	103	fair	Qtz vein								white Qtz rubble

Sheet ___ of ___

Property Laning
Location Mineral Co. Nev.
Bearing ___

Collar Elevation ___
Started ___
Hole No. L81 5

Coordinates ___
Inclination ___
Total Depth ___
Stopped ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
103	103.7	good	skarn								white, green mbl skarn diop-tale?
103.7	103.8	good	Qtz vein								Qtz vein white
103.8	109	good	skarn								white-green brown mbl skarn garnet?
109	112	good	Qtz vein								white Qtz, some garnet? stringers (O-.1%)
112	116.4	good	breccia skarn								white, brown, green Ls skarn-breccia recemented
116.4	116.8	fair-poor	skarn rubble								brown, green rubble skarn frags .2
116.8	117	poor-fair	Qtz vein								white brown Qtz
117.	117.2	good	skarn								green brown skarn .2
117.2	117.3	good	Qtz vein								white Qtz
117.3	121.8	good	skarn								white, green, black skarn - altered Ls calcite vein
121.8	122.	good	Qtz vein								white Qtz

Sheet ___ of ___

Property Luning
Location Mineral Co. Nev.
Bearing ___

Collar Elevation ___
Started ___
Hole No. L81 5

Coordinates ___
Inclination ___
Total Depth ___
Stopped ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
122	123.5	good	Mbl								white sugary Mbl skarn?
123.5	123.8	good	Qtz vein								white Qtz
123.8	130 137	Fair-poor	Mbl + rubble								white Mbl sugarey rubble core (import) calcite veins, talc at 130.5 (½m)
137	137.2	good	Qtz vein								white Qtz
137.2	137.9	good	Mbl								white Mbl bleached Ls? 0-.1
137.9	138	good	Qtz vein								white Qtz <1% py, Tr. malachite Tr. chrysocolla? py in vein, powellite
138	141 141.9	good	Ls altered								white, green, brown altered Ls. minor talc? bleached Ls
141.9	143	good	skarn								green, white Mbl skarn
143	143.1	good	Qtz vein								white Qtz
143.1	146	good	skarn								Green, brown, white skarn 2-1" Qtz veinar at 145'
146	147	good	Qtz vein								white-grey Qtz

Sheet 1 of 1

Property: Luning
Location: Mineral Co, Nev.
Bearing:

Collar Elevation:
Started:
Hole No.: L 81 - 5

Coordinates:
Inclination:
Total Depth:
Stopped:

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
147	149.1	good	Ls								white-brown altered Ls calcite open space filling
149.1	149.15	Fair	gouge								clay gouge ½" w/ 2" broken core above this
149.15	149.3	good	Qtz								Qtz vein malachite + rusty py calcite vein, Cu-carb?
149.3	152.5	good	Ls sil.								brown + white altered siliceous Ls MnO vein coatings
152.5	152.7	good	Qtz vein								white Qtz w/ brown inclusions
152.7	156	Fair-good	sil. rubble							Tqm?	white, green, siliceous rock broken gouge at 155.9 ½"
156	157.3	good	Ls altered								white + black Ls bleached calcite veins
157.3	157.5	Fair-good	sil. rubble + gouge								clay gouge? + siliceous rubble
157.5	158	Fair-good	Qtz vein								Qtz vein py ~3% (weathered) chrysocolla? Tr. silica rubble
158	163	good	Tqm								Fine-grained greenish Tqm? minor py broken core-rubbly, calcite veins (159' thin section)
163	167.8	good	Ls								green, white, pink, brown siliceous Ls-?

Sheet ___ of ___

Property Lanning
Location Mineral Co, Nev.
Bearing

Collar Elevation
Started
Hole No. L81-5

Coordinates
Inclination
Total Depth
Stopped

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
167.8	168.5	good	rubble								green-white siliceous + carb. rubble - some clay-gouge?
168.5	179.1	good	Ls skarn?								green, black, white, brown Ls-skarn - Mbl
179.1	179.9	good	gouge								greenish-white Limey clay gouge?
179.9	182.9	good	Ls skarn								white, green Ls skarn - recrystallized Ls
182.9	192.8	good	sil. dike tgm?								green, white, pink fine-grained intrusive minor py. Qtz veinlets "Qtz eyes"
192.8	198	good	Ls skarn								white, brown, green Mbl-skarn
198	220.4	good	sil. skarn	MHls.?							grey, green highly silicified skarn py + mal. disrem. + vein ... ?
220.4	222.3	Fair-good	Mbl								white, brown, black specks Mbl w/ (MnO<1%) rubble at 221.4 (~8")
222.3	222.4	good	Qtz vein								white Qtz malachite staining
222.4	225	good	Mbl sil.								greenish white Mbl w/ silicified zones
225	229.7	good	sil. Mbl								green white highly silicified Ls-Mbl minor MnO? 1-2% rubble at 227.5+.2

Sheet ___ of ___

Frost

Property Luning
Location Mineral Co, Nev.
Bearing

Collar Elevation
Started
Hole No. L81-5

Coordinates
Inclination
Total Depth
Stopped

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
228.7	232.1	good	Mbl								white coarse grained Mbl
232.1	233.5	fair-good	sil. rubble								green brown siliceous rubble + minor Qtz veins
233.5	237	good-fair	sil. intru dike	Tgm?							broken green white, fine grained intrusive dike broken into 1-3" fragments
237	248	poor	gouge								brownish clay-gouge + ½" frags of siliceous rock, tr. mal at 239' fault zone?
248	264.5	poor	LS altered gouge?								white-pink, highly altered Mbl-LS fault gouge? silic. frags ~70% of core at 263'
264.5	268	good-poor	Mbl								greenish white, slightly siliceous Mbl broken + healed, calcite veins
268	283	poor-good	Mbl + rubble								white marble, poor recovery in part rubble, altered Mbl (very soft)
283	285.2	fair-good	Mbl + LS								black + white altered LS, Mbl
285.2	285.3	good	Qtz vein								white Qtz vein
285.3	296	good	Mbl + LS								black + white altered LS-Mbl skarn minerals in several veins
296	297	good	ign. sill.								white green pink igneous sill Tgm? tr. pyrite

Sheet ___ of ___

Property: Luning
Location: Mineral Co, Nev
Bearing: ___

Collar Elevation: ___
Started: ___
Hole No.: L81-5

Coordinates: ___
Inclination: ___
Total Depth: ___
Stopped: ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
297	300.2	good	Mbl								white green & gray Mbl several qtz veinlets tr. py
300.2	300.3	good	clay gouge								pinkish clay calcareous, gouge? brecciated Ls-Mbl
300.3	302	Fair. good	Mbl								white Mbl fragmented 2-4" sections some brecciation
302	302.5	good	Qtz								white Qtz vein w/ Mbl
302.5	306	Fair	Ls altered								black & white altered Ls-Mbl
306	306.4	good	gouge clay								calcareous clay-gouge altered Ls
306.4	309	Fair-good	Ls alt.								black Ls w/ alteration → Mbl along veins-fractures
309	309.7	good	Qtz vein								white Qtz w/ some Mbl frags
309.7	320.	Fair	Mbl Ls								white, pink, brown Mbl - green (talc?) qtz veinlets, brecciated 316', black Ls
320	320.7	good	Qtz vein								white Qtz, calcite filled fractures
320.7	331	good-Fair	Mbl Ls								white & black Mbl-Ls, green talc?

Sheet 2 of ___

Property Lanin
Location Mineral Co, Nev.
Bearing ___

Collar Elevation ___
Started ___
Hole No. L 81-5

Coordinates ___
Inclination ___
Total Depth ___
Stopped ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
331	332	good	Qtz vein								white Qtz
332	333	fair	calc rubbl								brown-tan calcareous rubble + clay
333	336	fair	Qtz rubble								white Qtz, rubble to 335 then solid core
336	345	good	Mbl								white & gray Mbl altered Ls
345	350	great	Mbl Ls		Box was jumbled						white & black Mbl - Ls box was dropped & core jumbled
350	353.5	good	Mbl								white Mbl - minor Ls
353.5	355.5	good	Qtz								white Qtz minor py + silvery sericite
355.5	361.7	good	Mbl + Ls								tan Mbl Black Ls intermixed
361.7	364	good	Qtz								white Qtz py
364	382.5	good	Mbl								white Mbl calc? minor Ls
382.5	383.5	good	Qtz vein								white Qtz calcite veins cut Qtz fracture filling of calcite not really veins?

Sheet ___ of ___

Property: Luning
Location: Mineral Co., Nev.
Bearing: ___

Collar Elevation: ___
Started: ___
Hole No.: L81-5

Coordinates: ___
Inclination: ___
Total Depth: ___
Stopped: ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
383.5	384.5	good	Sil. Mbl								white Qtz w/ buff-white Mbl
384.5	386	good	Mbl								white marble, minor Qtz veinlet
386	394	Fair-poor	Mbl breccia								white-buff Mbl breccia, frags + gouge altered Mbl? more cohesive last 1½'
394	394.8	good	Qtz vein								white Qtz
394.8	396	good	Mbl								white-buff Mbl, calcite vein minor talc?
396	398	poor	rubble Mbl								tan Mbl frags 1½"-1" w/ 40-60% <½" frags + clay
398	401.4	good	Mbl								white Mbl w/ minor gray Ls
401.4	403	good	Qtz vein								white Qtz + garnet
403	416.6	Fair	Sil. Skarn								white, brown, green Mbl. garnet tale Mbl skarn silicified w/ Qtz veinlets, rehealed breccia (Qtz frags)
416.6	417	Fair-good	Qtz vein								white Qtz minor garnet.
417	422	good	Mbl								white Mbl, garnets in Qtz veinlets several unaltered black Ls

Sheet 3 of ___

Property: Lunino
Location: Mineral Co., Nev
Bearing: ___
Collar Elevation: ___
Started: ___
Hole No.: L81-5
Coordinates: ___
Inclination: ___
Total Depth: ___
Stopped: ___

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
422	426.5	good	Qtz + garnet								white Qtz + garnet, siliceous Mbl ~20%
426.5	430	fair-good	Skarn								silic. skarn white, pink, tan - Malachite in Qtz (P-S at 429.7)? Qtz vein w/ sulfides at 437 cpy neodicite?
	441	good	bre								breccia Qtz, Mbl frags in brown matrix ang-sub-rounded frags contact zone w/ int. below
	441.6	fair-good	Int. altered							Felspars → clay Fe-Mags → clay?	highly altered Intrusive, white, green, red, clayey med-grained? Qtz phenos, some hem stain (2') core badly broken
	450.5	good	breccia contact								brecciated contact of Intrusive w/ skarn qtz frags in calc. matrix
	451	good	Mbl breccia								hem stained Mbl, slightly sil. Qtz veins at 451, 451.8, 453, 453.5
	454	good	brecc sil.								Green, white grey breccia Qtz, minor Mbl
	458	good	Mbl breccia								hem stained Mbl breccia
	469	good	sil. breccia								Qtz vein hem stained, broken mixed Qtz + brown Mbl - altered garnet
	493	good	Mbl								Mbl - hemstained, Qtz veined, altered garnet as calc. brown mineral
	500	good	Mbl								white & black Mbl remnant black Ls

Sheet 2 of ____

Property _____ Collar Elevation _____ Coordinates _____

Location _____ Started _____ Inclination _____

Bearing _____ Hole No. L81-5 Total Depth _____

Stopped _____

INTERVAL From	INTERVAL To	%Rec RQD	Rock Type	Samp. No.	ASSAYS					ALTERATION	REMARKS
500	503	good	Qtz vein w/skn								while Qtz w/ calc. brown altered garnet? or brown Mbl