

AR 96-061

A S S E S S M E N T R E P O R T

HIGHLAND RANGE MINERALS LTD.

Exploration Licence No.00360

Fairbault Brook , Inverness Co.,N.S.

July 1996

C.G.Johnson

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045

HIGHLAND RANGE MINERALS LTD.

Fairbault Brook , Inverness Co., N.S.

C.G. Johnson

DUPLICATE AVAILABLE

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Figure 1 . Plan Showing Diamond Drill
Holes : Scale 1;2000 (In Report)

may

REPORT ON DIAMOND DRILLING - FAIRBAULT BROOK AREA

SUMMARY

A diamond drilling program has outlined an extensive auriferous horizon with economic possibilities . Detailed diamond drilling to locate structures containing commercial grade within the system is recommended .

INTRODUCTION

This is a report on the diamond drilling program on the Fairbault Brook property of Highland Range Minerals Ltd. Purpose of the drilling program was to explore the host rocks to the previously tested "Core Shack" zone and to follow up an intersection made by Amax Explorations in diamond drill hole AMC -5-79 .

LOCATION AND ACCESS

The property is located nine kilometers east of Cheticamp and 300 meters east of Fairbault Brook in the Cape Breton Highlands . Access is made from the Cabot Trail at Petit Etang via a 4X4 vehicle road south of the Cheticamp River thence across the Fairbault Brook , a distance of approximately five kilometers .

LICENCE TABULATION

C.G. Johnson:	Exploration Licence No. 00360
	Date of Issue : August 16, 1991
	Reference Map: 11-K-10-B
	Tract : 104
	Claims: EM

GEOLOGICAL SETTING

The drilling area is underlain by metasediments and metavolcanics of the Jumping Brook Series of Ordovician Age . The metasediments overlie the metavolcanics and consist of greywacke , argillite, and quartzite . The metavolcanics are primarily in the andesitic range . Near the base of the metasediments lies the transition zone which contains alteration products and sulphide mineralization. The alteration products consist of chlorite , sericite , biotite, and garnet . The sulphide mineralization consists of pyrite,

pyrrhotite , arsenopyrite , chalcopyrite , sphalerite , and galena . Gold and silver accompany the sulphides particularly the arsenopyrite .

Structurally the formations are low dipping and undulating with no preferred direction . In the drilled area the general dip is gently westward . Folding is both broad and confined and faulting is predominately thrust , occasionally filled with fine grained mafic sills and dykes of black color , and called " trap" . Sulphide mineralization with attendant precious metals tend to undergo concentration and enrichment in the zones of folding and thrusting .

DIAMOND DRILLING PROGRAM

The diamond drilling program was carried out between January 16th. and April 12th. , 1996 and consisted of eleven holes totaling 948 meters . Size BQ core was recovered . The drilling contractor was Maritime Diamond Drilling Ltd., of Truro , Nova Scotia . The hole locations are shown on Figure 1 . The log of each hole is included in the Appendix .

Mineralized sections were sampled and assayed for copper , lead , zinc , arsenic , gold , and silver at Bourlamaque Assay Laboratories Limited , Val d'Or , Quebec . The core is presently stored at Cheticamp and will eventually be submitted to the storage facilities of the Nova Scotia Department of Natural Resources at Stellarton, Nova Scotia .

Results

The mineralized horizon was explored in eleven holes over a north to south distance of 700 meters (see Fig. 1) . One hole (HR-2) was drilled through the outcropping "Core Shack " zone first discovered in the 1960's . The best section (from 13.87 to 16.62 meters) in HR-2 assayed 3.50g/t gold across 2.75 meters , almost identical in width and tenor to the best section in the Amax drill hole AMC -5-79 located 250 meters to the south (see Fig. 1) . Also in drill hole HR-2 a sample between 13.87 and 14.77 meters assayed 133 g/t silver.

One of the most significant findings in the drilling program was the considerable width of the auriferous horizon . For example , in the approximate middle of the drilled area, a section in hole HR-8 assayed 1.10 g/t gold across 6.70 meters, or 0.6 g/t gold across 25.30 meters . Zinc values throughout the mineralized zone average in the 0.30-0.60 % range. The mineralized horizon occurs at an average depth of 40 meters .

CONCLUSIONS AND RECOMMENDATIONS

The diamond drilling program was successful in outlining an auriferous horizon of considerable width over a strike length of 700 metres and open at both ends . Detailed diamond drilling is definitely warranted to outline structures with potential for increased metal concentration . Two initial target areas extend northeast from drill hole HR-2 as well as northeast from the Amax drill hole (AMC 5-79).

Prior to drilling a program of downhole geophysics (possibly mise-a-la-masse) should be considered from the existing holes to better guide the next stage of drilling.

Baddeck, N.S.
July 16, 1996



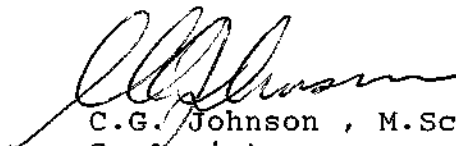
C. Gaye Johnson

QUALIFICATIONS

I, C. G. Johnson , Geologist , of the town of Baddeck ,
Nova Scotia , do hereby certify and state that ;

- 1) I am a graduate of Acadia University in Geology and have
practised my profession continuously for the past 43
years.
- 2) I personally supervised the drilling program.
- 3) The work was performed from January to April 1996.

Dated this 16th, day of July 1996 , Baddeck , Nova Scotia.


C.G. Johnson , M.Sc.
Geologist

APPENDIX

HIGHLAND RANGE MINERALS LIMITED

DIAMOND DRILL RECORD PROPERTY

LOCATION: 250+00S - 67+25W, Core Shack Grid.

HOLE NO. HR-9

AZIMUTH:

DIP: Vertical

LENGTH: 85.37 meters

ELEVATION: 275

CLAIM NUMBERS: E

STARTED: February 3, 1996

CORE SIZE: BQ

SYSTEM OF MEASURE: metric

SECTION: Tract 104. Map 11-K-10-B

COMPLETED: February 5, 1996

DIP TESTS: None

LOGGED BY: Glen Covey

DATE LOGGED: February 5, 1996

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
0 6.1	7.01 15.04	Overburden	14163	40.10	40.50	0.40	170	12	0.036	0.720	0.168	0.03
		Argillite with quartzite interbeds. C.A. 80-85°	14164	43.50	43.90	0.40	420	9	0.023	1.100	0.116	0.08
		6.1 - 7.4 - post core	14165	47.40	48.00	0.60	270	1	0.011	0.192	0.201	0.37
		7.5 - 7.7 - quartz pebbles coarse grained (to 0.5 cm)	14166	48.00	48.47	0.47	1200	2	0.016	0.460	0.163	0.76
			14167	48.47	48.89	0.42	2950	7	0.046	0.680	0.184	2.10
		8.15 - 8.3 - fine grained quartz pebbles	14168	48.89	49.26	0.37	20	<1	0.007	0.109	0.006	0.02
		11.13 - 12.32 - quartzite	14169	55.05	55.60	0.55	130	<1	0.019	0.320	0.104	0.02
			14170	55.60	56.00	0.40	1400	13	0.057	1.810	0.360	1.50
			14171	56.00	56.50	0.50	30	<1	0.002	0.017	0.004	<0.01
		Quartzite - argillite beds common massive to poorly bedded C.A. 80°, few 2-5 cm irregular barren quartz veins	14172	60.06	60.40	0.34	50	<1	0.005	0.103	0.002	0.02
15.04	36.49	19.80 - 20.30 - sericite schist zone with very minor pyrrhotite << 1%	14173	60.40	60.77	0.37	270	<1	0.011	0.159	0.030	0.13
			14174	60.77	61.15	0.38	120	<1	0.004	0.089	0.007	0.01

[illegible]

DIAMOND DRILL RECORD
PROPERTY

HOLE NO. HR-10

DIP: Vertical

LENGTH: 94.31 meters

ELEVATION: 294

CLAIM NUMBERS: M

STARTED: February 6, 1995

CORE SIZE: BQ

SYSTEM OF MEASURE: metric

SECTION: Tract 104. Map 11-K-10-B

COMPLETED: February 8, 1996

DIP TESTS: None

LOGGED BY: Glen Covey

DATE LOGGED: February 9, 10, 1996

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
35.77	37.25	Mafic sill - upper contact sharp 85° C.A. Lower contact sharp, slightly irregular at 80° C.A.										
37.25	90.38	Quartzite - argillite beds common in upper 2.5 meters 37.46 - 30 cm broken argillite bed 38.00 - 39.63 - broken quartzite from 39.16 - 39.30 numerous quartz pebbles, slickensiding common in this 0.47 meters Slickensiding is sub-horizontal 39.63 - 0.5 meters badly broken core. 40.70 - 10 cm breccia at about 40° C.A. 40.00 - C.A. 80° C.A. 43.24 - 60 cm quartz sericite schist bed. Upper contact broken. Lower sharp 40° C.A. (faulted?) 48.00 - slickensiding minor carbonate Slickensiding at 45° from horizontal 51.20 - 52.00 - schistose chlorite zone 52.25 - 52.58 - 5% py as 0.25 0 0.5 cm bands at 42.25, 52.52, 52.53, 52.57 54.38 - 54.44 - small lenses of pyrrhotite 56.2 - 56.6 - broken core 57.15 - 4.5 cm fault zone 40° C.A. gouge 58.75 - 2 cm barren quartz vein 20° C.A. 60.3 - 60.9 - broken core 62.75 - 30% sulfides over 1 cm sphalerite, py, aspy. 62.98 - 63.10 - 70% sulfides, pyrrhotite aspy, py, minor sphalerite. 63.28 - 63.40 - 60% garnets 63.60 - 65.54 - chlorite schist garnets abundant in upper 30 cm.										
			14182	51.83	52.22	0.39	30	1	0.007	0.284	0.047	0.03
			14183	52.22	52.60	0.38	60	3	0.009	0.267	0.143	<0.01
			14184	52.60	53.00	0.40	90	3	0.060	0.017	0.006	0.07
			14185	54.30	54.50	0.20	110	2	0.013	0.096	0.028	<0.01
			14186	62.30	62.70	0.40	60	2	0.041	0.195	0.038	0.05
			14187	62.70	63.12	0.42	1550	13	0.205	2.950	1.290	3.50
			14188	63.12	63.62	0.50	110	2	0.018	0.410	0.116	0.02
			14189	69.80	70.12	0.32	30	1	0.007	0.093	0.007	0.01
			14190	70.12	70.46	0.34	60	2	0.007	0.145	0.041	0.02
			14191	70.46	70.88	0.42	100	1	0.009	0.227	0.069	0.01
			14192	70.88	71.20	0.32	910	5	0.065	0.520	0.093	0.08
			14193	71.20	71.50	0.30	210	4	0.022	0.660	0.124	0.13
			14194	71.50	71.90	0.40	190	5	0.063	0.750	0.280	0.23
			14195	71.90	72.27	0.37	110	1	0.010	0.410	0.053	0.23

[illegible]

HIGHLAND RANGE MINERALS LIMITED

DIAMOND DRILL RECORD
PROPERTYLOCATION: B.L. 316+50S - 67+50W, Core Shack GridHOLE NO. HR-11AZIMUTH:DIP: VerticalLENGTH: 76.22 metersELEVATION: 275CLAIM NUMBERS: ESTARTED: March 13, 1996CORE SIZE: BQSYSTEM OF MEASURE: metricSECTION: Tract 104. Map 11-K-10-BCOMPLETED: March 16, 1996DIP TESTS:LOGGED BY: Glen CoveyDATE LOGGED: March 17, 1996

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
0.0	3.50	Casing through overburden.										
3.50	28.35	QUARTZITE. Well laminated at the top becoming more sheared at depth. Ca 85°. Rare calcite veinlet with Zn at. 11.10 - 10 cm qtz vein (barren). From 13.60 to 14.12 qtz - sericite schist, both contact broken minor pyrrhotite and sphalerite in lower 20 cm. Minor 0.2 - 0.4 bands of sphalerite at 26.70, 27.09, 27.12, 27.15 27.25, 10% py at 27.12, 27.15	16725	26.26	27.05	0.40	10	5	0.009	0.248	0.105	<0.01
			16726	27.05	27.30	0.25	50	8	0.014	0.620	0.173	0.24
			16727	27.30	27.70	0.40	<5	4	0.009	0.009	0.003	0.16
28.35	49.15	CHLORITE SCHIST, sheared, massive. 31.40 - 32.38 quartzite 35.75 - 36.47 quartzite 36.02 - 2 cm barren quartz vein 37.75 39.00 unit is drag folded	16728	37.35	37.85	0.50	70	<1	0.015	0.017	0.003	0.01

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
40.15	67.92	37.90 - 38.25 2-4% sphalerite	16729	37.85	38.25	0.40	190	4	0.021	0.330	0.071	0.03
		1-3% pyrite (assoc. with Zn) as lenses and narrow stringers.	16730	38.25	38.65	0.40	930	4	0.054	0.510	0.040	1.20
		38.25 - 38.60 10-15% pyrite, aspy, pyrrhotite, 2.5% sphalerite and Tr. Cpy as lenses, stringers and coarse disseminations	16731	38.65	39.63	0.48	90	<1	0.007	0.026	0.003	0.06
		38.55 - 1 cm gauge zone	16732	39.63	40.27	0.64	410	5	0.030	1.690	0.020	0.02
		39.63 - 40.15 - 10% - 15% pyrite	16733	40.27	40.60	0.33	220	2	0.011	0.252	0.021	0.47
		sphalerite (5%) very minor pyrrhotite and aspy.	16734	40.60	40.90	0.30	140	2	0.007	0.540	0.008	0.21
		QUARTZITE - sheared, upper contact faulted	16735	40.90	41.70	0.80	60	<1	0.006	0.078	0.002	0.02
		Aspy as 0.2 - 0.3 cm bands at 40.31, 40.34	16736	41.70	42.10	0.40	10	1	0.002	0.152	0.003	0.01
		40.42, 40.45 - 8% aspy from 40.31 - 40.45	16737	42.10	42.40	0.30	800	9	0.008	1.450	0.084	1.60
		40.70 - 0.20 cm band Zn; minor dissem. py at 40.80 (5% over 2-3 cm)	16738	42.40	43.05	0.65	<5	1	0.004	0.028	0.003	0.02
		At 41.76 and 42.05 - 0.20 cm bands py	16739	43.05	43.25	0.20	1800	2	0.030	0.033	0.007	3.10
		At 42.35 - 1 cm band massive py, spa and aspy.	16740	43.25	43.65	0.40	20	1	0.003	0.025	0.002	0.01
		43.13 - 43.16 - 30% aspy & py										
		44.74 - .3 cm band py, aspy										
		45.50 - 45.73 chlorite sch. minor py at 45.60										
		46.22 - 0.5 cm band massive sphalerite, pyrite, rare speckled galena										
		48.17 - 48.22 65% aspy as semi-massive bands.	16741	47.65	48.05	0.40	10	<1	0.003	0.030	0.001	<0.01
		48.27 - 48.30 - 20% - 30% aspy, py as irregular bands, drag folded.	16742	48.05	48.45	0.40	1600	1	0.012	0.082	0.004	2.40
		48.40 - 0.3 cm band massive aspy	16743	48.45	48.78	0.33	460	1	0.013	0.022	0.002	0.52
		51.00 - 0.3 cm band massive aspy										
		55.60 - 56.00 - 5% py, 1% aspy as narrow (0.2 cm) bands and lenses at 55.63, 55.81, 55.94 and 55.98.	16744	54.88	55.60	0.72	110	1	0.008	0.110	0.001	0.04
			16745	55.60	56.00	0.40	310	1	0.019	0.246	0.004	0.15
			16746	56.00	56.53	0.53	480	8	0.013	0.300	0.017	0.68
			16747	56.53	56.93	0.40	120	1	0.019	0.083	0.003	0.23
			16748	56.93	57.33	0.40	50	1	0.013	0.255	0.004	<0.01

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
		At 55.35 - 1 cm massive py.	16749	57.33	57.74	0.41	150	<1	0.011	0.001	0.001	0.01
		At 56.35 - 0.2 cm massive py	16750	57.74	58.27	0.53	90	1	0.007	0.046	0.001	<0.01
		56.39 - 0.2 cm massive sphalerite	16751	58.27	58.80	0.53	100	<1	0.011	0.006	<0.001	0.01
		56.73 - 0.3 cm semi-massive py	16752	58.80	59.24	0.44	1150	3	0.039	0.680	0.003	0.90
		56.82 - 0.2 cm semi-massive py										
		56.83 - 1 cm - 30% aspy, 10% py										
		0.2 - 0.3 cm bands of sphalerite										
		at 57.01, 56.16 & 57.27										
		From 57.47 to 47.78 chlorite schist.										
		57.74 - 58.27 Quartzite-massive silicose,										
		disseminated sphalerite crystals throughout										
		2-4% sphalerite, minor pyrite.										
		58.27 - 59.24 chloritic & schistose										
		garnets.										
		59.13 1 cm massive py and aspy (20%)										
		61.74 - 62.26 5-7%, pyrite, 1%	16753	61.34	61.74	0.40	20	1	0.003	0.036	0.004	0.01
		sphalerite, trace aspy as disseminations	16754	61.74	62.26	0.48	210	7	0.009	0.350	0.021	0.03
		and bands (.1 - .3 cm)	16755	62.26	63.08	0.82	30	1	0.007	0.026	0.002	<0.01
		63.81 - 63.88 - massive aspy with pyrite	16756	63.08	63.48	0.40	70	<1	0.007	0.022	0.001	0.01
		(10%), sphalerite (1%)	16757	63.48	63.78	0.40	50	2	0.014	0.080	0.005	0.10
		63.91 - 1 cm massive aspy 80% ca	16758	63.78	64.10	0.68	670	4	0.022	0.065	0.065	4.30
		64.07 - 50% py over 1 cm	16759	64.10	64.60	0.50	140	1	0.006	0.133	0.038	0.20
		At 64.35, 64.38, 64.55 and 64.57	16760	64.60	65.10	0.50	10	1	0.002	0.038	0.009	<0.01
		0.1 - 0.2 cm bands of aspy and py										
		At 65.57 & 65.90 minor disseminated py										
		From 65.94 - 66.19 chlorite schist										
67.92	76.22	ANDESITE - massive										
		From 68.72 to 70.80 quartzite - massive										
76.22		END OF HOLE										

NOTES:

- 1) Casing left in hole.
- 2) Drilling Contractor
Maritime Diamond Drilling Ltd.
Truro, N.S.

HIGHLAND RANGE MINERALS LIMITED

DIAMOND DRILL RECORD PROPERTY

LOCATION: B.L. 373+50S - 47+00W, Core Shack Grid

HOLE NO. HR-12

AZIMUTH:

DIP: Vertical

LENGTH: 76.22 meters

ELEVATION: 277

STARTED: March 16, 1996

CORE SIZE: BQ

SYSTEM OF MEASURE: metric

COMPLETED: March 19, 1996

DIP TESTS:

PROPERTY: Cheticamp

CLAIM NUMBERS: E

SECTION: Tract 104. Map 11-K-10-B

LOGGED BY: Glen Covey

DATE LOGGED: March 23, 1996

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
0.0	4.60	Casing through overburden.										
3.50	25.80	QUARTZITE, massive, poorly bedded, badly broken to 7.6, broken to 15.24. Small quartz clasts at 8.5, 9.65, 12.30 bedding at 75° to ca. 15.24 - 15.70 fault zone, granulated, brecciated, minor aspy at 15.8										
25.80	28.79	CHLORITE SCHISTS minor garnet locally with minor biotite upper contact sharp and irregular, lower contact gradational ca 75° - 80°										
28.79	34.80	CHLORITE-BIOTITE SCHIST, often with gneissic appearance, minor chlorite schist zones.	16701	31.10	31.67	0.50	30	1	0.007	0.070	0.019	0.01
			16702	31.60	31.90	0.30	80	10	0.012	0.400	0.162	0.03
			16703	31.90	32.30	0.40	20	3	0.010	0.071	0.033	0.01

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
		30.26 .3 cm of pyrite 31.76 - 31.84 - 20-25% pyrite and minor aspy. CA 80°										
34.80	40.30	TRAP SILL - Upper contact sharp 80° to ca										
40.30	42.15	QUARTZITE - Massive, grey, barren										
42.15	56.45	TRAP SILL - upper contact irregular, lower contact 45° to ca.										
56.45	63.22	QUARTZITE - speckled, sheared, narrow 0.1 to 0.5 cm py, aspy veins and lenses at 56.64, 56.94, 57.20, 57.50, 57.76 58.05, 59.45 with zinc at 62.05, 62.15 62.27, 62.55. Quartz vein 59.60 - 60.10 white, glossy, barren	16704	56.02	56.60	0.58	10	<1	0.008	0.029	0.005	0.01
			16705	56.60	57.00	0.40	870	9	0.015	0.082	0.090	1.16
			16706	57.00	57.40	0.40	520	1	0.013	0.072	0.008	0.64
			16707	57.40	57.80	0.40	660	<1	0.014	0.061	0.004	1.00
			16708	57.80	58.10	0.30	180	<1	0.009	0.090	0.003	0.26
			16709	58.10	58.70	0.60	10	<1	0.005	0.038	0.001	0.01
			16710	58.70	59.30	0.60	60	<1	0.005	0.028	0.002	0.04
63.22	65.55	CHLORITE SCHIST - Sheared At 63.52 minor py up to 10% over 1 cm. At 64.15 0.5 - 1 cm band 80% py. Upper and lower contact sharp at 80° - 85° to ca	16711	59.30	59.60	0.30	80	3	0.013	0.670	0.010	0.43
			16712	59.60	60.00	0.40	10	1	0.001	0.011	0.001	0.01
			16808	60.00	60.98	0.98	60					
			16809	60.98	61.60	0.62	<5					
			16713	61.60	62.00	0.40	<5	<1	0.003	0.039	0.002	<0.01
			16714	62.00	62.37	0.37	150	<1	0.010	0.126	0.002	0.46
65.55	70.12	QUARTZITE - Sheared, speckled 66.1 - 66.4 - 5% aspy, 2-3% py as semi-massive bands (< .5 cm) and disseminated. 66.40 - 66.80 - 2-3% aspy as tiny lenses and disseminations. 66.80 - 68.50 - 1 - 2% minor aspy, rare speckled cpy mainly on cleavage planes 68.54 - 0.3 cm band py 68.70 - 68.80 - 10% py, 1% Zn as coarse disseminations.	16715	62.37	62.67	0.30	100	1	0.006	0.100	0.004	0.07
			16716	62.67	63.00	0.33	20	<1	0.004	0.010	0.001	<0.01
			16810	63.00	64.02	1.02	90					
			16811	64.02	64.86	0.84	90					
			16812	64.86	65.70	0.84	90					
			16717	65.70	66.10	0.40	80	2	0.004	0.081	0.008	0.09
			16718	66.10	66.40	0.30	670	2	0.005	0.050	0.003	1.20
			16719	66.40	66.80	0.40	140	1	0.006	0.244	0.006	0.72
			16720	66.80	67.07	0.27	70	3	0.003	0.149	0.032	0.01
			16721	67.07	67.60	0.53	850	3	0.030	0.102	0.007	0.10

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
		68.85 - 69.05 chlorite schist. This unit becomes more massive and siliceous from 69.05 - 70.12	16722	67.60	68.50	0.90	820	2	0.019	0.110	0.004	0.01
			16723	68.50	68.85	0.35	340	3	0.051	0.620	0.002	0.01
			16724	68.85	69.25	0.40	60	1	0.009	0.017	0.002	<0.01
70.12	76.22	ANDESITE - massive, occas. chlorite schist zones; 70.90 - 10% py on 1 cm	NOTES:									
			1) Casing left in hole.									
76.22		END OF HOLE	2) Drilling Contractor Maritime Diamond Drilling Ltd. Truro, N.S.									

HIGHLAND RANGE MINERALS LIMITED

DIAMOND DRILL RECORD PROPERTY

LOCATION: B.L. 428+50S-38+50W, Core Shack Grid

HOLE NO. HR-13

AZIMUTH:

PROPERTY: Cheticamp

DIP: Vertical

LENGTH: 82.34 meters

ELEVATION: 273

CLAIM NUMBERS: E

STARTED: March 20, 1996

CORE SIZE: BQ

SYSTEM OF MEASURE: metric

SECTION: Tract 104, Map 11-K-10-B

COMPLETED: March 28, 1996

DIP TESTS:

LOGGED BY: Glen Covey & C.G. Johnson

DATE LOGGED: March 29, 1996

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
0.0	6.10	Casing through overburden										
6.10	12.40	QUARTZITE broken and leached to 9.75. At 9.85 0.3-0.4 cm band of pyrite with minor sphalerite.										
12.40	25.55	SHEARED ANDESITE - chlorite schist, light green - upper contact schistosity 75° 14.1 - 14.9 schistosity variable 50° ca 14.5 - 14.85 Some brecciation C.A. to 40° 15.86 - 16.78 - biotite rich section 17.60 - 18.63 chlorite garnet schist minor disseminated pyrite 18.63 - 18.85 - chlorite garnet schist +3% sphalerite, 5% pyrite, associated with siliceous stringers parallel to schistosity C.A. 80°	16761	17.60	18.63	1.03	70	2	0.025	0.103	0.027	0.01
			16762	18.63	18.85	0.22	170	4	0.019	0.900	0.052	0.03
			16763	18.85	19.40	0.55	100	4	0.002	0.198	0.100	0.02
			16764	19.40	19.75	0.35	650	6	0.035	0.980	0.031	0.92
			16765	19.75	20.05	0.30	510	6	0.022	0.370	0.048	0.06
			16766	20.05	20.66	0.61	340	7	0.015	0.670	0.082	0.07

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
25.55	55.59	18.85 - 19.40 - Quartz-chlorite biotite schist + 2% pyrite and sphalerite	16767	20.66	20.90	0.24	310	7	0.012	0.390	0.114	0.07
		19.40 - 19.75 + 10% pyrite, sphalerite	16768	20.90	21.16	0.26	650	32	0.026	1.190	0.460	0.10
		galena and arsenopyrite in folded schist	16769	21.16	21.52	0.36	420	6	0.011	0.320	0.062	0.12
		C.a to 30°	16770	21.52	21.86	0.34	1900	17	0.104	0.950	0.125	2.50
		19.75 - 20.05 <1% disseminated sulfides	16771	21.76	22.29	0.34	220	1	0.008	0.036	0.002	0.09
		20.05 - 20.66 Quartz chlorite garnet schist + 3% total sulfides Py, Spa, aspy. in stringers along schistosity.										
		20.66 - 20.90 <1% sulfides										
		20.90 - 21.16 < 10% total sulfides Py, Spa, aspy in siliceous stringers 0.10 cm wide along schistosity (80° to c.a.)										
		21.16 - 21.52 <1% sulfides										
		21.52 - 21.86 +25% total sulfides, py, spa galena, aspy in siliceous stringers along sch. massive in stringers up to 1.5 cm wide										
		21.86 - 22.20 <1% sulfides										
		At 23.08 and 23.12 narrow stringers of sphalerite & pyrrhotite (0.25 cm wide)										
		At 25.43 1 cm siliceous vein with pyrite galena										
		QUARTZITE - sheared, cleavage at 90° to c.a., bedding invisible										
		26.31 - 26.71 - chlorite schist, contacts at 90° to c.a.										
		At 30.42 - 0.30-0.40 cm band of sphalerite and pyrite	16814	32.15	32.55	0.40	5	3	0.017	0.265	0.009	0.040
		30.71 - 32.68 chlorite quartz schist	16815	32.55	32.85	0.30	460	4	0.021	0.860	0.006	2.200
		At 31.10 minor sphalerite associated with a quartz-carbonate vein	16816	32.85	33.45	0.60	380	1	0.007	0.217	0.003	0.010
		sub-parallel to c.a.	16817	33.45	33.64	0.19	<5	45	0.018	2.500	0.940	0.010
		32.40 - 32.68 garnetiferous	16818	33.64	34.04	0.40	20	2	0.011	0.094	0.040	<0.010

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
55.59	68.96	Continued	16772	67.07	67.29	0.22	30	<1	0.013	0.154	0.003	0.01
		67.74 - 68.08 - chlorite quartz schist.	16773	67.29	67.74	0.45	90	3	0.018	0.860	0.035	0.02
		From 67.90 - 67.98 quartz with semi-massive	16774	67.74	68.08	0.34	1000	2	0.041	0.225	0.067	5.00
		aspy flanked by pyrite as stringers and	16775	68.08	68.45	0.37	10	<1	0.003	0.058	<0.001	0.03
		disseminations.	16776	68.45	68.80	0.35	2100	4	0.063	0.440	0.057	6.40
		68.08 - 68.45 - <1% disseminated sulfides	16777	68.80	68.96	0.16	<5	<1	0.002	0.089	0.001	0.02
68.96	76.69	68.45 - 68.80 - +40% total sulfides of										
		arsenopyrite and pyrite including semi-										
76.69	82.34	massive sulfides in siliceous zone between										
		68.60 and 68.72										
82.34		68.60 - 68.96 <1% disseminated sulfides										
		TRAP ROCK - dyke - massive contact broken										
		ANDESITE - massive, irregular quartz										
		carbonate veins barren										
		END OF HOLE										

NOTES:

- 1) Casing left in hole
- 2) Drilling Contractor - Maritime Diamond Drilling Ltd.
Truro, Nova Scotia

DIAMOND DRILL RECORD
PROPERTY

HOLE NO. HR-14

PROPERTY: Cheticamp

ELEVATION: 504

CORE SIZE: BQ

SYSTEM OF MEASURE: metric

DIP TESTS:

CLAIM NUMBERS: E

SECTION: Tract 104. Map 11-K-10-B,

LOGGED BY: Glen Covey & C.G. Johnson,

DATE LOGGED: April 5, 1996

[illegible]

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
89.02	97.57	70.84 - 0.2 cm band of sphalerite										
		74.86 - 0.1 cm band aspy										
		74.89 - 0.5 cm band 20% aspy										
		74.92 - 3 cm 50% aspy, minor pyrite	16838	74.50	74.85	0.35	<5	<1	0.006	0.060	0.004	4.800
		75.05 - 0.5 cm band sphalerite, pyrite	16839	74.85	75.10	0.25	750	1	0.031	0.830	0.014	<0.010
		76.55 - 76.99 - chlorite schist	16840	76.10	75.50	0.40	<5	<1	0.004	0.012	0.002	<0.010
		78.32 - 79.52 - chlorite schist										
		84.0 - 84.4 - 3-4% pyrite dissemination										
		and as discontinuous bands	16841	83.60	84.00	0.40	<5	<1	0.005	0.009	0.001	0.010
		84.4 - 84.75 - 3-4% pyrite disseminations	16842	84.00	84.40	0.40	20	<1	0.007	0.150	0.005	1.100
		with a 2 cm band of massive pyrrhotite,	16843	84.40	84.75	0.35	230	2	0.017	0.780	0.010	0.010
		aspy at 84.68	16844	84.75	85.10	0.35	10	1	0.004	0.045	0.003	<0.010
		Minor disseminated pyrite to 85.40 - <2%										
			16845	87.40	87.80	0.40	<5	<1	0.003	0.028	0.001	1.100
			16846	87.80	88.05	0.25	690	2	0.016	0.107	0.003	0.080
			16847	88.05	88.42	0.37	50	1	0.009	0.242	0.004	<0.010
		ANDESITE - Upper 1.3 meters fine grained										
		massive, after 98.9 unit becomes coarser										
		grained (like a foliated diorite)										
97.57		91.10 - 91.47 - 8-10% sphalerite and minor	16848	90.70	91.10	0.40	20	1	0.011	0.330	0.016	<0.010
		pyrite associated with siliceous bands in	16849	91.10	91.47	0.37	310	5	0.032	1.500	0.004	<0.010
		a chlorite garnet schist.	16850	91.47	91.80	0.33	60	<1	0.009	0.035	<0.001	0.050
		END OF HOLE										

NOTES: 1) Casing left in hole
2) Drilling Contractor
Maritime Diamond Drilling Ltd.
Truro, Nova Scotia

**DIAMOND DRILL RECORD
PROPERTY**

DATE LOGGED: April 15, 1996

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
12.20	29.75	Continued very few quartzite beds c.a. 80° - 85° 28.10 - 29.75 - irregular veinlets of brown sphalerite, sub parallel to long core axis Minor calcite associated with sphalerite.										
29.75	82.09	QUARTZITE - sheared, becomes more massive with depth, occasional argillite beds to 37.00 30.00 - 5 cm broken, barren quartz vein 30.50 - 10 cm broken, barren quartz vein 32.85 - 20 cm quartzite beds with numerous quartz pebbles 33.25 - 33.38 - sericitic unit with 1% - 3% pyrrhotite 37.0 - bedding and cleavage 70°-80° 43.60 - 48.79 occasional carbonate veinlets with brown sphalerite 47.25 - 1 cm drag folded quartz vein - minor carbonate with few specks pyrite 48.03 - 2 cm 70% sulfides, sphalerite and pyrite in a siliceous band. 3-8% disseminated sphalerite (parallel to cleavage for 5-10 cm on either side of the massive band. 51.90 - 0.4 cm band massive dark brown sphalerite 52.60 & 52.62 0.1 - 0.2 cm. band of massive sphalerite. 52.66 - 2 cm band of 50% pyrite. 10% sphalerite 53.10 - 53.18 - 30% pyrite and minor aspy in a siliceous garnet rich zone. Minor disseminated pyrite around this zone	16852	47.50	47.94	0.44	<5	1	0.006	0.330	0.024	0.170
			16853	47.94	48.24	0.30	60	3	0.073	1.290	0.158	0.050
			16854	48.24	48.70	0.46	<5	<1	0.020	0.275	0.017	0.020

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
82.09	84.44	TRAP ROCK - Upper contact irregular at about 20° to c.a. Lower contact irregular about 40° to c.a. Good chill margins at both contacts, plagioclase phenocrysts common, occasional carbonate veinlets.										
84.44	88.73	QUARTZITE - Sheared, massive fractured, barren										
88.73	100.61	ANDESITE - Upper contact sharp 85° to c.a.										
		89.03 - 89.55 quartzite, cherty 1-2% pyrite	16868	89.50	89.90	0.40	30	<1	0.007	0.028	0.001	0.010
		89.80 - 90.30 chlorite schist and altered	16869	89.90	90.20	0.30	120	6	0.035	2.800	0.009	<0.010
		(coarse grained) andesite	16870	90.20	90.60	0.40	<5	<1	0.003	0.036	<0.001	<0.010
		90.02 - 2 cm 60% sphalerite										
		90.30 - 94.70 massive, typical andesite with irregular quartz veinlets										
		94.70 - 100.61 - Schistose, sheared andesite. 95.13 and 95.54 - 1 cm bands of massive sphalerite.	16871	94.60	95.10	0.50	30	<1	0.010	0.010	0.002	0.010
			16872	95.10	95.60	0.50	20	1	0.012	1.250	0.024	<0.010
			16873	95.60	96.00	0.40	20	<1	0.012	0.007	<0.001	<0.010
		96.26 - 97.42 - cherty quartzite										
		99.41 - 99.70 - cherty quartzite										
		100.22 - 100.61 - cherty quartzite										
100.61		END OF HOLE										

NOTE: 1) Casing left in hole
2) Drilling Contractor
Maritime Diamond Drilling Ltd.
Truro, Nova Scotia

HIGHLAND RANGE MINERALS LIMITED

DIAMOND DRILL RECORD
PROPERTYLOCATION: 156+00N-5+50W, Core Shack GridHOLE NO. HR-2AZIMUTH:DIP: VerticalLENGTH: 167.68 metersELEVATION: 320CLAIM NUMBERS: MSTARTED: January 16, 1996CORE SIZE: BQSYSTEM OF MEASURE: metricSECTION: Tract 104. Map 11-K-10-8COMPLETED: January 24, 1996DIP TESTS: NoneLOGGED BY: Glen CoveyDATE LOGGED: January 25, 1996

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
0	6.1	Overburden										
6.1	8.3	Argillite - with greywacke interbeds Broken oxidized to 8 meters. Garnets common 3 - 5%. Very little sulfides rare speck pyrrhotite, aspy 80 - 90° C.A. Aspy vein 8.00 - 8.20										
8.30	9.36	Quartz sericite schist - upper	14018	5.36	6.36	1.00	N.D.	<1	0.005	0.057	0.006	0.02
		contact broken lower gradational	14019	6.36	7.36	1.00	20	<1	0.010	0.044	0.013	0.02
		Only minor sulfides as irregular blebs and	14020	7.36	8.36	1.00	3050	23	0.054	0.213	0.160	4.20
		specks associated with more silicious areas	14021	8.36	9.36	1.00	110	2	0.062	0.143	0.004	0.60
			14022	9.36	10.68	1.32	200	1	0.016	0.202	0.005	0.20
			14023	10.68	11.68	1.00	150	2	0.015	0.110	0.007	0.18
9.36	17.06	Argillite - more greywacke units than in	14024	11.68	12.35	0.67	170	10	0.011	1.060	0.006	0.44
		the argillite unit above, occasional	14025	12.35	12.60	0.35	330	7	0.022	0.870	0.036	2.20
		sericitic interbeds, garnets, frequent	14026	12.60	13.87	1.27	80	2	0.008	0.182	0.008	0.19
		4 - 8%	14027	13.87	14.87	0.90	7850	133	0.690	3.000	0.960	17.00
		11.68 - 12.35 - 5% pyrrhotite, sphalerite	14028	14.77	15.37	0.60	900	6	0.032	0.460	0.202	0.30

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
149.7	167.68	147.5 - 5 cm massive sulfides, 50% sphalerite, 50% pyrite, few garnets in the sulfides, numerous garnets above and below the sulfides										
		147.8 - 10 cm 10-15% pyrrhotite, sphalerite lenses										
149.7	167.68	148.5 - 8 cm pyrrhotite lenses, minor pyrite, 5-8% sulfides	14064	147.15	147.9	0.75	190	2	0.044	1.860	0.008	0.02
		Andesite - dark green massive with numerous highly irregular quartz-carbonate veinlets barren	14065	147.90	148.58	0.68	20	-	0.014	0.630	0.007	<0.01

End of Hole 167.68

Note: 1) Casing left in hole
2) Drilling Contractor
Maritime Diamond Drilling Ltd.
Truro , Nova Scotia

HIGHLAND RANGE MINERALS LIMITED

DIAMOND DRILL RECORD
PROPERTYLOCATION: 128+50N - 11+50E, Core Shack GridHOLE NO. HR-3AZIMUTH:DIP: VerticalLENGTH: 24.39 metersELEVATION: 323CLAIM NUMBERS: MSTARTED: January 29, 1996CORE SIZE: BQSYSTEM OF MEASURE: metricSECTION: Tract 104. Map 11-K-10-BCOMPLETED: January 30, 1996DIP TESTS: NoneLOGGED BY: Glen CoveyDATE LOGGED: January 31, 1996

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
0	1.52	Overburden										
1.52	18.06	Argillite with minor greywacke interbeds garnets common throughout. Broken and leached to 7.9 Occasional vertical carbonate veinlets	14092	7.9	8.8	0.9	N.D.	<1	0.004	0.036	0.012	<0.01
			14093	8.8	9.85	1.05	N.D.	<1	0.004	0.036	0.012	<0.01
		7.9 - 8.8, minor disseminated pyrr. 1-3%	14094	9.85	10.6	0.75	N.D.	<1	0.003	0.052	0.024	<0.01
		10.6 - 10.85 - 1-2% disseminated aspy	14095	10.6	11.45	0.85	N.D.	<1	0.007	0.341	0.101	0.01
		11.15 - 11.45 minor disseminated sphalerite	14096	11.45	12.3	0.85	N.D.	<1	0.010	0.382	0.137	0.01
		1-2%	14097	12.3	13.35	1.05	N.D.	<1	0.005	0.026	0.006	0.01
		11.45-12.3, 1-2% disseminated pyrrhotite	14098	13.35	14.45	1.10	N.D.	<1	0.004	0.037	0.012	<0.01
		15.3 - 5 cm irregular barren quartz vein	14099	14.45	15.24	0.80	N.D.	<1	0.009	0.330	0.080	0.01
		15.66 - 15.85 irregular quartz veins	14100	15.24	15.95	0.71	N.D.	<1	0.010	0.510	0.104	<1.01
		3-4 cm with 2% Zn	14101	22.05	22.55	0.50	90	1	0.032	1.170	0.230	<0.01
		15.95 - 1-2 cm gouge	14102	22.55	23.05	0.50	1350	5	0.060	0.320	0.006	0.01
18.06	24.39	Greywacke with argillite beds especially near the top. Few scattered garnets	14103	23.05	23.25	0.20	7250	50	0.330	0.233	0.073	2.20
		18.06 - 5 cm quartz vein with minor sphalerite	14104	23.25	23.75	0.50	10	<1	0.007	0.150	0.048	0.01

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
		10.44 - 5 cm barren quartz vein 18.75 - 10 cm barren quartz vein 19.8 - C.A. 80° 22.19 - 22.28 - irregular 2-5 cm quartz veins, minor feldspar 2-5% pyrrhotite 23.1 - irregular 10 cm patch of massive pyrrhotite, 1% cpy,										

24.39 End of Hole

Notes : 1) Casing left in hole
2) Drilling Contractor
Maritime Diamond Drilling Ltd.
Truro , Nova Scotia

DIAMOND DRILL RECORD
PROPERTY

HOLE NO. HR-7

DIP: Vertical

LENGTH: 73.17 meters

ELEVATION: 270

STARTED: January 31, 1996

CORE SIZE: BQ

SYSTEM OF MEASURE: metric

COMPLETED: February 1, 1996

DIP TESTS: None

CLAIM NUMBERS: M

SECTION: Tract 104. Map 11-K-10-B

LOGGED BY: Glen Covey

DATE LOGGED: February 2, 3, 1996

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
14.16	16.64	Mafic sill - greenish brown fractured carbonate veinlets common upper contact 85° C.A. lower broken										
16.64	64.29	Quartzite - massive light to dark grey becoming more foliated and softer towards the bottom. Argillite beds very rare	14105	19.35	19.86	0.51	20	1	0.005	0.011	0.007	<0.01
		17.45 - 30 cm foliated zone, minor chert C.A. 80°	14106	30.49	30.69	0.20	70	3	0.008	0.480	0.058	<0.01
		17.6 - 1 cm barren quartz vein	14107	37.35	37.87	0.52	20	1	0.007	0.124	0.061	0.03
		19.13 - 19.88 - Sericite schist zone finely laminated 80° C.A.	14108	37.87	38.36	0.49	460	6	0.019	0.600	0.256	1.65
		19.37 - 19.85 disseminated pyrite, pyrrhotite, aspy as tiny lenses parallel to schistosity 3 - 5% sulfides	14109	38.36	38.83	0.47	90	8	0.044	1.330	0.430	0.02
		20.45 - 20.62 - two 5 cm quartz veins parallel to bedding rare speck pyrrhotite	14110	38.85	38.97	0.12	170	4	0.032	0.760	0.162	0.68
		23.0 - 27.44 schistose section minor cherty quartzite interbeds	14111	38.97	39.45	0.48	190	3	0.028	0.430	0.091	0.56
		27.64 - 10 cm with 3.5% pyrite, very minor aspy	14112	39.45	39.78	0.33	3250	7	0.023	0.820	0.380	10.00
		30.64 - 0.5 cm band of pyrrhotite with minor pyrite, sericite alternation and garnets associated with this band over 10 cm.	14113	39.78	40.07	0.29	150	1	0.007	0.138	0.026	0.34
		36.43 - 0.5 cm band of pyrite parallel to bedding, 80° C.A.	14114	40.07	40.60	0.53	10	1	0.004	0.017	0.008	0.13
		37.35 - 40.5 garnets common	14115	50.30	50.63	0.33	N.D.	51	0.001	0.020	0.002	<0.01
		37.88 - 0.5 cm band of sphalerite	14116	50.63	50.95	0.32	90	1	0.015	0.221	0.003	0.03
		37.91 - 0.5 cm band of pyrite	14117	50.95	51.77	0.82	120	1	0.009	0.160	0.044	0.11
		38.22 - 38.35 - 10% sulfides as very narrow bands of fine grained pyrite, minor sphalerite and aspy. Vertical carbonate veinlets with red brown sphalerite and galena.	14118	51.77	52.13	0.36	350	3	0.012	0.166	0.051	0.39
			14119	52.13	52.81	0.68	730	3	0.026	0.430	0.140	0.52
			14120	52.81	53.06	0.25	650	6	0.084	0.840	0.244	0.48
			14121	53.06	53.95	0.89	140	<1	0.006	0.112	0.023	0.03
			14122	53.95	54.47	0.52	1250	10	0.011	0.230	0.090	1.32
			14123	54.47	54.88	0.41	20	1	0.016	0.251	0.072	0.01

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
64.29	73.17	52.81 - 53.05 - chlorite garnet schist bed 3-5% py, aspy 54.0 - 5 cm 10% pyrite 54.41 - 54.46 - 30% aspy as two semi massive bands 80° C.A. 58.17 - 58.42 - chlorite schist 600. 05 cm bands semi massive pyrite aspy. 61.14 - 1.5 cm 10% pyrite very minor aspy 61.84 - 8 cm chlorite schist bed C.A. 80° 63.54 - 63.94 - chlorite schist. This quartzite has numerous orange cherty sections in the lower 2 meters. Andesite, green massive with some poorly laminated sections near the top. 66.08 - 66.33 - quartzite 66.68 - 67.23 - quartzite 67.49 - 0.5 cm 50% sulfides, pyrite, minor sphalerite. 67.52 - 2 cm quartzite bed after 67.54 massive andesite with irregular quartz and carbonate veinlets. 73.17 END OF HOLE										

Notes: 1) Casing left in hole
 2) Drilling Contractor
 Maritime Diamond Drilling Ltd
 Truro , Nova Scotia

DIAMOND DRILL RECORD
PROPERTY

HOLE NO. HR-8

LENGTH: 70.12 meters

ELEVATION: 272

CORE SIZE: BQ

SYSTEM OF MEASURE: metric

DIP TESTS: None

CLAIM NUMBERS: M

SECTION: Tract 104. Map 11-K-10-B

LOGGED BY: Glen Covey

DATE LOGGED: February 3, 1996

[illegible]

From	To	Description	SAMPLE				Au ppb	Ag ppm	Cu %	Zn %	Pb %	As %
			No.	From	To	Length						
36.59	42.60	35.25 and 35.30 - 0.5 cm band of massive sphalerite. 80° C.A. minor lenses of sphalerite to 35.44										
		Chlorite garnet biotite schist										
		Schistosity 80° C.A.										
		39.48 - 40.45 - 45% aspy, py as massive bands - 3 to 5% chalcopryrite and sphalerite	14124	35.20	35.48	0.26	240	8	0.007	1.180	0.221	0.48
		40.45 - 40.9 - 15% aspy, py, as semi-massive bands and disseminates	14125	39.48	39.98	0.50	250	5	0.018	0.410	0.094	0.08
		40.9 - 41.61 - <1% sulfides	14126	39.98	40.45	0.47	3200	5	0.095	1.380	0.031	4.40
		41.61 - 41.81 - 20% aspy as semi-massive bands	14127	40.45	40.90	0.45	900	4	0.025	0.234	0.026	1.90
		41.81 - 42.06 - <1% sulfides	14128	40.90	41.61	0.71	120	2	0.004	0.150	0.025	0.11
		42.06 - 42.25 - 5% aspy as semi massive lenses	14129	41.61	41.81	0.20	1400	2	0.019	0.920	0.016	0.76
			14130	41.81	42.06	0.25	660	<1	0.010	0.420	0.005	0.17
42.6	53.13		14131	42.06	42.25	0.19	1200	9	0.034	1.900	0.140	0.07
		Quartzite - (Greywacke) massive to poorly laminated.	14132	42.65	42.68	0.43	200	2	0.005	0.460	0.026	0.02
		45.9 - 10 cm 40% aspy as irregular bands and lenses	14133	45.36	45.86	0.50	450	1	0.008	0.153	0.040	0.40
		46.35 - 46.8 - 2-4% aspy as irregular lenses parallel to schistosity.	14134	45.86	46.16	0.70	4300	15	0.058	1.720	0.680	4.40
		47.85 - 4 cm irregular patch of aspy, 50% sulfides	14135	46.16	46.35	0.19	300	1	0.007	0.308	0.019	0.10
		48.9 - 0.5 cm band semi massive aspy	14136	46.35	46.80	0.45	600	1	0.003	0.292	0.023	0.25
		49.1 - 49.4 - 5% sulfides mainly aspy, pyrrhotite	14137	46.80	47.30	0.50	20	<1	<0.001	0.029	<0.001	0.01
		50.32 - 50.75 - 15% sulfides as irregular	14138	47.30	47.80	0.50	N.D.	<1	0.002	0.038	0.005	<0.01
		0.5 - 2 cm bands aspy, py, pyrrhotite	14139	47.80	48.08	0.28	2150	5	0.031	0.770	0.223	3.50
		51.1 - 1 cm semi massive aspy minor narrow stringers to 51.18	14140	48.08	48.78	0.70	140	1	0.021	0.107	0.013	0.08
		51.91 - 1 cm semi massive band of aspy	14141	48.78	49.10	0.32	590	2	0.019	0.078	0.009	0.24
		All sulfides are along schistosity (bedding)	14142	49.10	49.40	0.30	980	3	0.026	0.306	0.010	0.76
			14143	49.40	50.32	0.92	490	2	0.019	0.099	0.006	0.14
			14144	50.32	50.75	0.42	2600	1	0.123	0.154	0.016	2.40
			14145	50.75	51.20	0.45	970	5	0.017	0.380	0.046	1.10
			14146	51.20	51.85	0.65	30	1	0.010	0.080	0.011	0.03
			14147	52.85	52.05	0.20	1650	1	0.009	0.097	0.016	1.60
			14148	52.05	52.55	0.50	20	<1	0.002	0.028	0.001	0.01
			14149	52.55	52.90	0.35	250	1	0.013	0.227	0.035	0.44

[illegible]



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

FENTON SCOTT MANAGEMENT INC.

PN-Hole # H.R. 1, etc.

N° 66340

ÉCHANTILLONS CORE

VAL D'OR (QUÉBEC) 1e 29 janvier 19 96

RECUE DE SAMPLES Mark Doucet

ANALYSES ASSAYS 46Ag, 46Cu, 46Zn, 46Pb, 46As
Ref.: cert.: #66331

Echantillon	Ag ppm	Cu %	Zn %	Pb %	As %
14001	17	0.021	0.760	0.290	<0.01
14002	32	0.037	0.880	0.490	<0.01
14003	4	0.007	0.074	0.023	<0.01
14004	7	0.026	0.480	0.068	2.70
14005	10	0.007	0.075	0.037	0.07
14006	2	0.007	0.032	0.012	0.16
14007	13	0.017	0.282	0.069	0.60
14008	17	0.022	1.31	0.083	2.34
14009	5	0.010	0.320	0.033	0.14
14010	6	0.021	0.047	0.019	4.80
14011	5	0.015	0.254	0.019	0.17
14012	4	0.031	1.11	0.005	<0.01
14013	1	0.006	0.022	0.002	0.01
14014	1	0.007	0.490	0.003	0.26
14015	3	0.008	0.110	0.002	0.01
14016	22	0.015	1.89	0.176	0.10
14017	3	0.033	1.85	0.006	<0.01
14018	<1	0.005	0.057	0.006	0.02
14019	<1	0.010	0.044	0.013	0.02
14020	23	0.054	0.213	0.160	4.20
14021	2	0.062	0.143	0.004	0.60
14022	1	0.016	0.202	0.005	0.20
14023	2	0.015	0.110	0.007	0.18
14024	10	0.011	1.06	0.006	0.33
14025	7	0.022	0.870	0.026	2.20
14026	2	0.008	0.182	0.008	0.19
14027	2	0.690	3.00	0.960	17.00
14028	6	0.032	0.460	0.020	0.30
14029	2	0.038	0.170	0.005	0.14
14030	20	0.112	0.560	0.053	3.80
14031	4	0.030	0.360	0.137	0.36
14032	1	0.003	0.105	0.004	0.05
14033	3	0.012	0.086	0.043	0.01
14034	1	0.010	0.045	0.017	<0.01
14035	3	0.027	0.400	0.194	0.01
14036	2	0.086	0.011	0.001	0.01
14037	3	0.097	0.010	<0.001	<0.01
14038	2	0.033	0.007	0.001	0.01
14039	2	0.010	0.013	<0.001	0.01
14040	1	0.047	0.006	0.002	<0.01
14041	1	0.061	0.048	0.001	3.20
14042	1	0.054	0.012	0.001	0.70
14043	2	0.104	0.035	0.023	0.90
14044	1	0.072	0.012	0.690	0.02
14045	1	0.143	0.011	<0.001	1.80
14046	43	0.163	0.540	0.320	37.00

< = moins que
< = less than

Shirley R. Boyd
ANALYSTE / ASSAYER

L. - D. Melnabardis



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

FENTON SCOTT MANAGEMENT INC.

PN-Hole # H.R. 7, etc.

N° 66331

ECHANTILLONS Core

VAL D'OR (QUÉBEC) le 25 janvier 19 96

REÇU DE Mark Doucet

ANALYSES 46 Au
ASSAYS 4 Au

Echantillon	Au ppb	Echantillon	Au ppb	Echantillon	Au ppm
14001	90	14034	60	14020	* 3.05
14002	120	14035	70	14027	* 7.85
14003	20	14036	70	14030	* 2.60
14004	300	14037	60	14046	* 10.05
14005	20	14038	N.D.		
14006	20	14039	N.D.		
14007	600	14040	160		
14008	400	14041	680		
14009	110	14042	500		
14010	760	14043	540		
14011	90	14044	30		
14012	30	14045	10		
14013	20	14046	* >1000		
14014	90				
14015	N.D.				
14016	150				
14017	10				
14018	N.D.				
14019	20				
14020	* >1000				
14021	110				
14022	200				
14023	150				
14024	170				
14025	330				
14026	80				
14027	* >1000				
14028	900				
14029	230				
14030	* >1000				
14031	180				
14032	90				
14033	N.D.				

Pour Au N.D. veut dire moins que 5 ppb.
For Au N.D. means less than 5 ppb.

> = plus que
> = greater than .

N.B. Ag et métaux de base à suivre.
Ag and base metal to follow.

ANALYSTE/ASSAYER

C.P. / P.O. 550

148, AVENUE PERREault

VAL D'OR (QUÉBEC)

J9P 4P5

TÉL.: (819) 824-4337
FAX: (819) 824-4745



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE BOURLAMAQUE ASSAY LABORATORIES LTD.

.. PENTON SCOTT MANAGEMENT INC. ..

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

N° 66345

ECHANTILLONS Core

VAL D'OR (QUÉBEC) 1e 30 janvier 19 96

RECUE DE Mark Doucet

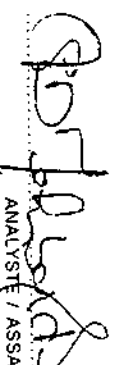
ANALYSES 19 Au

ASSAYS

Echantillon Au ppb

14047	20
14048	220
14049	10
14050	10
14051	130
14052	10
14053	10
14054	20
14055	430
14056	30
14057	20
14058	20
14059	460
14060	60
14061	20
14062	30
14063	160
14064	190
14065	20

N.B. Ag et métaux de base à suivre.
Ag and base metals to follow.


ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

N° 66368

ECHANTILLONS Core, Réf.cert.#66340

VAL D'OR (QUÉBEC) 1e 5 février 19 96

RECU DE Mark Doucet

ANALYSES 19 Ag, 19 Cu, 19 Zn, 19 Pb,
ASSAYS 19 As

Echantillon	Ag ppm	Cu %	Zn %	Pb %	As %
140447	1	0.039	0.010	0.004	<0.01
140448	2	0.115	0.015	0.004	0.30
140449	1	0.029	0.007	0.002	<0.01
14050	<1	0.012	0.007	0.001	0.01
14051	1	0.047	0.005	0.001	0.12
14052	1	0.019	0.007	<0.001	0.02
14053	1	0.031	0.005	0.001	0.02
14054	1	0.023	0.007	0.001	0.01
14055	2	0.056	0.041	0.006	1.50
14056	<1	0.016	0.007	0.001	0.01
14057	<1	0.033	0.010	0.002	0.02
14058	<1	0.017	0.007	0.001	0.03
14059	<1	0.039	0.022	0.001	1.10
14060	<1	0.047	0.009	0.001	0.50
14061	<1	0.036	0.010	0.001	0.09
14062	<1	0.100	0.008	0.001	0.13
14063	1	0.075	0.093	0.013	0.35
14064	2	0.044	1.86	0.008	0.02
14065	<1	0.014	0.630	0.007	<0.01

< = moins que
< = less than

Geoffrey Bouchard
ANALYSTE/ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66380

 ECHANTILLONS CORE
 SAMPLES
 RECU DE Mark Doucet
 RECEIVED FROM

 VAL D'OR (QUÉBEC) 1e 7 février 19 96
 ANALYSES
 ASSAYS 39 Au

Echantillon	Au ppb	Echantillon	Au ppm
14066	N.D.	14102	* 1.35
14067	420	14103	* 7.25
14068	10		
14069	50		
14070	20		
14071	70		
14072	10		
14073	20		
14074	30		
14075	N.D.		
14076	970		
14077	50		
14078	30		
14079	20		
14080	N.D.		
14081	400		
14082	30		
14083	10		
14084	20		
14085	N.D.		
14086	N.D.		
14087	20		
14088	30		
14089	10		
14090	110		
14091	N.D.		
14092	N.D.		
14093	N.D.		
14094	N.D.		
14095	N.D.		
14096	N.D.		
14097	N.D.		
14098	N.D.		
14099	N.D.		
14100	N.D.		
14101	90		
14102	* >1000		
14103	* >1000		
14104	10		

Pour Au N.D. veut dire moins que 5 ppb.
 For Au N.D. means less than 5 ppb.
 > = plus que
 > = greater than

N.B. Métaux de base à suivre.
 Base metals to follow.

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66391

 ÉCHANTILLONS Core, Réf. cert. #66380
 SAMPLES
 RECU DE Mark Doucet
 RECEIVED FROM

 VAL D'OR (QUÉBEC) le 8 février 19 96
 ANALYSES 39 Ag, 39 Cu, 39 Zn, 39 Pb
 ASSAYS 39 As

Echantillon	Ag ppm	Cu %	Zn %	Pb %	As %
14066	< 1.0	0.006	0.009	0.005	0.02
14067	2.0	0.070	0.073	0.022	0.01
14068	< 1.0	0.039	0.009	0.001	< 0.01
14069	< 1.0	0.021	0.007	0.001	0.42
14070	< 1.0	0.025	0.010	0.001	0.06
14071	< 1.0	0.087	0.013	0.001	0.08
14072	< 1.0	0.020	0.005	0.001	0.01
14073	< 1.0	0.043	0.005	0.001	< 0.01
14074	< 1.0	0.030	0.004	0.001	0.02
14075	< 1.0	0.003	0.012	< 0.001	0.01
14076	< 1.0	0.026	0.043	0.001	2.30
14077	< 1.0	0.008	0.008	0.001	0.02
14078	< 1.0	0.017	0.006	0.001	0.01
14079	< 1.0	0.038	0.006	0.001	0.27
14080	< 1.0	0.032	0.015	0.001	< 0.01
14081	< 1.0	0.044	0.013	0.001	4.00
14082	< 1.0	0.023	0.008	0.001	0.02
14083	< 1.0	0.051	0.007	0.010	0.01
14084	< 1.0	0.007	0.004	0.001	0.01
14085	< 1.0	0.017	0.007	0.001	0.02
14086	< 1.0	0.012	0.006	0.001	0.01
14087	< 1.0	0.018	0.006	< 0.001	0.04
14088	< 1.0	0.022	0.007	0.001	0.01
14089	< 1.0	0.016	0.003	< 0.001	0.01
14090	< 1.0	0.017	0.006	< 0.001	0.02
14091	< 1.0	0.002	0.024	0.001	0.02
14092	< 1.0	0.004	0.036	0.012	< 0.01
14093	< 1.0	0.005	0.039	0.010	< 0.01
14094	< 1.0	0.003	0.052	0.024	< 0.01
14095	< 1.0	0.007	0.341	0.101	0.01
14096	< 1.0	0.010	0.382	0.137	0.01
14097	< 1.0	0.005	0.026	0.006	0.01
14098	< 1.0	0.004	0.037	0.012	< 0.01
14099	< 1.0	0.009	0.330	0.080	0.01
14100	< 1.0	0.010	0.510	0.104	< 0.01
14101	1.0	0.032	1.17	0.230	< 0.01
14102	5.0	0.060	0.320	0.006	0.01
14103	50.0	0.330	0.233	0.073	2.20
14104	< 1.0	0.007	0.150	0.048	0.01

 < = moins que
 < = less than

ANALYSTE/ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66401

 ECHANTILLONS
 SAMPLES

Core

 REÇU DE
 RECEIVED FROM

Mark Doucet

 VAL D'OR (QUÉBEC) le 12 février 19 96
 ANALYSES 11 Au
 ASSAYS 1 Au

<u>Echantillon</u>	<u>Au ppb</u>	<u>Echantillon</u>	<u>Au ppm</u>
14105	20	14112	* 3.25
14106	70		
14107	20		
14108	460		
14109	90		
14110	170		
14111	190		
14112	* >1000		
14113	150		
14114	10		
14115	N.D.		

Pour Au N.D. veut dire moins que 5 ppb.
 For Au N.D. means less than 5 ppb.
 > = plus que .
 > = greater than .

N.B. Métaux de base à suivre.
 Base metals to follow.

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66407

le 12 février 19 96

 ECHANTILLONS Core
 SAMPLES
 RECU DE Mark Doucet
 RECEIVED FROM

 VAL D'OR (QUÉBEC) 44 Au
 ANALYSES ASSAYS 10 Au

Echantillon	Au ppb	Echantillon	Au ppb	Echantillon	Au ppm
14116	90	14156	760	14122	*
14117	120	14157	N.D.	14126	*
14118	350	14158	60	14129	*
14119	730	14159	480	14131	*
14120	650			14134	*
14121	140			14139	*
14122	* >1000			14144	*
14123	20			14147	*
14124	210			14151	*
14125	250			14153	*
14126	* >1000			14154	*
14127	900			14155	*
14128	120				
14129	* >1000				
14130	660				
14131	* >1000				
14132	200				
14133	450				
14134	* >1000				
14135	300				
14136	600				
14137	20				
14138	N.D.				
14139	* >1000				
14140	140				
14141	590				
14142	980				
14143	490				
14144	* >1000				
14145	970				
14146	30				
14147	* >1000				
14148	20				
14149	250				
14150	290				
14151	* >1000				
14152	10				
14153	* >1000				
14154	20				
14155	60				

 Pour Au N.D. veut dire moins que 5 ppb.
 For Au N.D. means less than 5 ppb.

 > = plus que
 > = greater than

 N.B. Métaux de base à suivre.
 Base metals to follow.

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

 N° 66418

 ECHANTILLONS
 SAMPLES
 RECU DE
 RECEIVED FROM

 Core
 Mark Doucet

 VAL D'OR (QUÉBEC) 1e 14 février 19 96
 ANALYSES 22 Au
 ASSAYS 6 Au

Echantillon	Au ppb	Echantillon	Au ppm
14160	* >1000	14160	* 1.35
14161	160	14166	* 1.20
14162	610	14167	* 2.95
14163	170	14170	* 1.40
14164	420	14175	* 1.35
14165	270	14177	* 2.65
14166	* >1000		
14167	* >1000		
14168	20		
14169	130		
14170	* >1000		
14171	30		
14172	50		
14173	290		
14174	120		
14175	* >1000		
14176	230		
14177	* >1000		
14178	340		
14179	290		
14180	10		
14181	720		

Pour Au N.D. veut dire moins que 5 ppb.
 For Au N.D. means less than 5 ppb.
 > = plus que
 > = greater than .

N.B. Métaux de base à suivre.
 Base metals to follow.

ANALYSTE / ASSAYER

D. Melnbardis



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

N° 66450

ÉCHANTILLONS CORE
 SAMPLES
 RECU DE Mark Doucet
 RECEIVED FROM

VAL D'OR (QUÉBEC) 1e 20 février 19 96
 ANALYSES 20 Au
 ASSAYS 2 Au

Echantillon	Au ppb	Echantillon	Au ppm
14182	30	14187	* 1.55
14183	60	14200	* 1.80
14184	90		
14185	110		
14186	60		
14187	* >1000		
14188	110		
14189	30		
14190	60		
14191	100		
14192	910		
14193	210		
14194	190		
14195	110		
14196	30		
14197	850		
14198	20		
14199	330		
14200	* >1000		
14201	200		

Pour Au N.D. veut dire moins que 5 ppb.
 For Au N.D. means less than 5 ppb.

> = plus que
 > = greater than .

N.B. métaux de base à suivre.
 base metals to follow.



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66457

 ÉCHANTILLONS Core
 SAMPLES

 REÇU DE Mark Doucet
 RECEIVED FROM

 VAL D'OR (QUEBEC) 1e 21 février 19 96
 ANALYSES 40 Ag, 40 Cu, 40 Zn, 40 Pb
 ASSAYS Ref.: cert. #66401, 66407

Echantillon	Ag ppm	Cu %	Zn %	Pb %
14105	1	0.005	0.011	0.007
14106	3	0.008	0.480	0.058
14107	1	0.007	0.124	0.061
14108	6	0.019	0.600	0.256
14109	8	0.044	1.33	0.430
14110	4	0.032	0.760	0.162
14111	3	0.028	0.430	0.091
14112	7	0.023	0.820	0.380
14113	1	0.007	0.138	0.026
14114	1	0.004	0.017	0.008
14115	<1	0.001	0.020	0.002
14116	1	0.015	0.221	0.003
14117	1	0.009	0.160	0.044
14118	3	0.012	0.166	0.051
14119	3	0.026	0.430	0.140
14120	6	0.084	0.840	0.244
14121	<1	0.006	0.112	0.023
14122	10	0.011	0.230	0.090
14123	1	0.016	0.251	0.072
14124	8	0.007	1.18	0.221
14125	5	0.018	0.410	0.094
14126	5	0.095	1.38	0.031
14127	4	0.025	0.234	0.026
14128	2	0.004	0.150	0.025
14129	2	0.019	0.920	0.016
14130	<1	0.010	0.420	0.005
14131	9	0.034	1.90	0.140
14132	2	0.005	0.460	0.026
14133	1	0.008	0.153	0.040
14134	15	0.058	1.72	0.680
14135	1	0.007	0.308	0.019
14136	1	0.003	0.292	0.023
14137	<1	<0.001	0.029	<0.001
14138	<1	0.002	0.038	0.005
14139	5	0.031	0.770	0.223
14140	1	0.021	0.107	0.013
14141	2	0.019	0.078	0.009
14142	3	0.026	0.306	0.010
14143	2	0.019	0.099	0.006
14144	7	0.123	0.154	0.016

 < = moins que
 < = less than

 N.B. As à suivre.
 As to follow.



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66462

ECHANTILLONS CORE

VAL D'OR (QUÉBEC) 1e 22 février 19 96

RECU DE RECUEIL DE
SAMPLES Mark DoucetANALYSES 40 As
ASSAYS Ref. cert. #66457

Echantillon	As %
14105	<0.01
14106	<0.01
14107	0.03
14108	1.65
14109	0.02
14110	0.68
14111	0.56
14112	10.00
14113	0.34
14114	0.13
14115	<0.01
14116	0.03
14117	0.11
14118	0.39
14119	0.52
14120	0.48
14121	0.03
14122	1.32
14123	0.01
14124	0.48
14125	0.08
14126	4.40
14127	1.90
14128	0.11
14129	0.76
14130	0.17
14131	0.07
14132	0.02
14133	0.40
14134	4.40
14135	0.10
14136	0.25
14137	0.01
14138	<0.01
14139	3.50
14140	0.08
14141	0.24
14142	0.76
14143	0.14
14144	2.40

 < = moins que
 < = less than

ANALYSTE / ASSAYER

T. - N. Melnhardie



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66494

ÉCHANTILLONS Core

SAMPLER Mark Doucet

RECUE DE

RECEIVED FROM

VAL D'OR (QUEBEC) 1e 27 février 19 96

 ANALYSES 15Ag, 15Cu, 15Zn, 15Pb, 15As
 ASSAYS Ref: #66401, 66407, 66457

Echantillon	Ag ppm	Cu %	Zn %	Pb %	As %
14145	5	0.017	0.380	0.046	1.10
14146	1	0.010	0.080	0.011	0.03
14147	1	0.009	0.097	0.016	1.60
14148	<1	0.002	0.028	0.001	0.01
14149	<1	0.013	0.227	0.035	0.44
14150	<1	0.024	0.042	0.001	0.10
14151	3	0.024	0.290	0.014	1.50
14152	1	0.004	0.018	0.001	<0.01
14153	2	0.031	0.300	0.011	4.00
14154	<1	0.003	0.018	0.001	0.02
14155	2	0.010	0.131	0.021	0.01
14156	12	0.037	0.560	0.119	2.00
14157	1	0.007	0.042	0.007	0.01
14158	6	0.024	0.670	0.025	0.05
14159	<1	0.011	0.075	0.004	1.00

 < = moins que
 < = less than

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66495

 ECHANTILLONS
 SAMPLES
 Core

 REÇU DE
 RECEIVED FROM
 Mark Doucet

 VAL D'OR (QUEBEC) 1e 27 février 19 96
 ANALYSES
 ASSAYS
 22Ag, 22Cu, 22Zn, 22Pb, 22As
 Ref: #66418

Echantillon	Ag ppm	Cu %	Zn %	Pb %	As %
14160	2	0.009	0.136	0.004	2.20
14161	1	0.008	0.101	0.004	0.26
14162	2	0.008	0.099	0.007	0.68
14163	12	0.036	0.720	0.168	0.03
14164	9	0.023	1.10	0.116	0.08
14165	1	0.011	0.192	0.102	0.37
14166	2	0.016	0.460	0.163	0.76
14167	7	0.046	0.680	0.184	2.10
14168	<1	0.007	0.109	0.006	0.02
14169	<1	0.019	0.320	0.104	0.02
14170	13	0.057	1.81	0.360	1.50
14171	<1	0.002	0.017	0.004	<0.01
14172	<1	0.005	0.103	0.002	0.02
14173	<1	0.011	0.159	0.030	0.13
14174	<1	0.004	0.089	0.007	0.01
14175	2	0.024	0.102	0.033	1.60
14176	<1	0.002	0.038	0.010	0.31
14177	<1	0.004	0.065	0.004	0.30
14178	<1	0.007	0.269	0.028	0.60
14179	<1	0.009	0.240	0.039	0.64
14180	2	0.009	0.270	0.080	0.02
14181	<1	0.009	0.010	0.002	<0.01

 < = moins que
 < = less than

 (Signature)
 ANALYSTE / ASSAYER

L. - D. Melnbardis



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

N° 66496

VAL D'OR (QUÉBEC) 1e 27 février 19 96

ECHANTILLONS Core
 SAMPLES
 RECU DE Mark Doucet
 RECEIVED FROM

ANALYSES 20Ag, 20Cu, 20Zn, 20Pb, 20As
 ASSAYS Ref. #66450

Echantillon	Ag ppm	Cu %	Zn %	Pb %	As %
14182	1	0.007	0.284	0.047	0.03
14183	3	0.009	0.267	0.143	<0.01
14184	3	0.006	0.017	0.006	0.07
14185	2	0.013	0.096	0.028	<0.01
14186	2	0.041	0.195	0.038	0.05
14187	13	0.205	2.95	1.29	3.50
14188	2	0.018	0.410	0.116	0.02
14189	1	0.007	0.093	0.007	0.01
14190	2	0.007	0.145	0.041	0.02
14191	1	0.009	0.227	0.069	0.01
14192	5	0.065	0.520	0.093	0.08
14193	4	0.022	0.660	0.124	0.13
14194	5	0.063	0.750	0.280	0.23
14195	1	0.010	0.410	0.053	0.23
14196	1	0.011	0.156	0.026	0.05
14197	4	0.060	0.660	0.290	0.90
14198	<1	0.002	0.038	<0.001	0.01
14199	1	0.011	0.023	0.004	0.02
14200	6	0.094	0.680	0.172	0.80
14201	1	0.006	0.042	0.009	0.01

< = moins que
 < = less than

Bourlamaque
 ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66776

 ÉCHANTILLONS CORE
 SAMPLES

 RECU DE Mark Doucet
 RECEIVED FROM

 VAL D'OR (QUÉBEC) April 4, 19 96
 ANALYSES 17 Au
 ASSAYS 3 Au

Echantillon	Au ppb	Echantillon	Au ppm
16761	70	16770	*
16762	170	16774	*
16763	100	16776	*
16764	650		2.10
16765	510		
16766	340		
16767	310		
16768	650		
16769	420		
16770	* >1000		
16771	220		
16772	30		
16773	90		
16774	* >1000		
16775	10		
16776	* >1000		
16777	N.D.		

For Au N.D. means less than 5 ppb.
 > = greater than.

N.B. Ag, Cu, Zn, Pb, As to follow.



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66781

April 4, 19 96

 ECHANTILLONS CORE
 SAMPLES
 RECU DE Mark Doucet
 RECEIVED FROM

 VAL D'OR (QUÉBEC)
 ANALYSES 60 Au
 ASSAYS 3 Au

Echantillon	Au ppb	Echantillon	Au ppb	Echantillon	Au ppm
16701	30	16741	10	16739	* 1.80
16702	80	16742	* >1000	16742	* 1.60
16703	20	16743	460	16752	* 1.15
16704	10	16744	110		
16705	870	16745	310		
16706	520	16746	480		
16707	660	16747	120		
16708	180	16748	50		
16709	10	16749	150		
16710	60	16750	90		
16711	80	16751	100		
16712	10	16752	* >1000		
16713	N.D.	16753	20		
16714	150	16754	210		
16715	100	16755	30		
16716	20	16756	70		
16717	80	16757	50		
16718	670	16758	670		
16719	140	16759	140		
16720	70	16760	10		
16721	850				
16722	820				
16723	340				
16724	60				
16725	10				
16726	50				
16727	N.D.				
16728	70				
16729	190				
16730	930				
16731	90				
16732	410				
16733	220				
16734	140				
16735	60				
16736	10				
16737	800				
16738	N.D.				
16739	* >1000				
16740	20				

For Au N.D. means less than 5 ppb.
> = greater than .

N.B. Ag, Cu, Zn, Pb, As to follow.

Porter
ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

Réf. cert. #66776

N° 66792

ECHANTILLONS
SAMPLER Core

VAL D'OR (QUÉBEC) April 5,

19 96

RECU DE
RECEIVED FROM Mark DoucetANALYSES
ASSAYS 17 Cu, 17 Zn
17 Pb

Echantillon	Cu %	Zn %	Pb %
16761	0.025	0.103	0.027
16762	0.019	0.900	0.052
16763	0.002	0.198	0.100
16764	0.035	0.980	0.031
16765	0.022	0.370	0.048
16766	0.015	0.670	0.082
16767	0.012	0.390	0.114
16768	0.026	1.190	0.460
16769	0.011	0.320	0.062
16770	0.104	0.950	0.125
16771	0.008	0.036	0.002
16772	0.013	0.154	0.003
16773	0.018	0.860	0.035
16774	0.041	0.225	0.067
16775	0.003	0.058	< 0.001
16776	0.063	0.440	0.057
16777	0.002	0.089	0.001

> = greater than .

N.B. Ag, As to follow.



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

Réf. cert. #66776

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66795

ECHANTILLONS Core

VAL D'OR (QUÉBEC) April 9, 19 96

REÇU DE Mark Doucet

ANALYSES 17 Ag ASSAYS

EchantillonAg ppm

16761 2
 16762 4
 16763 4
 16764 6
 16765 6
 16766 7
 16767 7
 16768 32
 16769 6
 16770 17
 16771 1
 16772 <1
 16773 3
 16774 2
 16775 <1
 16776 4
 16777 <1

< = less than .

N.B. As to follow.

ANALYSTE / ASSAYER

T. - D. Melnharidis



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

FENTON SCOTT MANAGEMENT INC.

Ref. cert. #66781

N° 66801

ECHANTILLONS CORE

VAL D'OR (QUEBEC) April 9, 1996

RECUE DE SAMPLES Mark Doucet

ANALYSES ASSAYS 40 Ag

Echantillon Ag ppm

16701	1
16702	10
16703	3
16704	<1
16705	9
16706	1
16707	<1
16708	<1
16709	<1
16710	<1
16711	3
16712	1
16713	<1
16714	<1
16715	1
16716	<1
16717	2
16718	2
16719	1
16720	3
16721	3
16722	2
16723	3
16724	1
16725	5
16726	8
16727	4
16728	<1
16729	4
16730	4
16731	<1
16732	5
16733	2
16734	2
16735	<1
16736	1
16737	9
16738	1
16739	2
16740	1

< = less than .

N.B. Cu, Zn, Pb, As to follow.

ANALYSTE / ASSAYER

L. - D. Melnbardis



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

Réf. cert. #66781

N° 66804

ECHANTILLONS Core

VAL D'OR (QUEBEC) April 10, 19 96

RECUE DE Mark Doucet

ANALYSES 40 Cu, 40 Zn
ASSAYS 40 Pb

Echantillon	Cu %	Zn %	Pb %
16701	0.007	0.070	0.019
16702	0.012	0.400	0.162
16703	0.010	0.071	0.033
16704	0.008	0.029	0.005
16705	0.015	0.082	0.090
16706	0.013	0.072	0.008
16707	0.014	0.061	0.004
16708	0.009	0.090	0.003
16709	0.005	0.038	0.001
16710	0.005	0.028	0.002
16711	0.013	0.670	0.010
16712	0.001	0.011	0.001
16713	0.003	0.039	0.001
16714	0.010	0.126	0.002
16715	0.006	0.100	0.004
16716	0.004	0.010	0.001
16717	0.004	0.081	0.008
16718	0.005	0.050	0.003
16719	0.006	0.244	0.006
16720	0.003	0.149	0.032
16721	0.030	0.102	0.007
16722	0.019	0.110	0.004
16723	0.051	0.620	0.002
16724	0.009	0.017	0.002
16725	0.009	0.248	0.105
16726	0.014	0.620	0.173
16727	0.009	0.009	0.003
16728	0.015	0.017	0.003
16729	0.021	0.330	0.071
16730	0.054	0.510	0.040
16731	0.007	0.026	0.003
16732	0.030	1.69	0.020
16733	0.011	0.252	0.021
16734	0.007	0.540	0.008
16735	0.006	0.078	0.002
16736	0.002	0.152	0.003
16737	0.008	1.45	0.084
16738	0.004	0.028	0.003
16739	0.030	0.033	0.007
16740	0.003	0.025	0.002

N.B. As to follow.

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66815

 ECHANTILLONS CORE
 SAMPLES

 RECU DE Mark Doucet
 RECEIVED FROM

 VAL D'OR (QUEBEC) April 12, 19 96
 ANALYSES 77 AS
 ASSAYS

Echantillon	As %	Echantillon	As %
16701	0.01	16741	<0.01
16702	0.03	16742	2.40
16703	0.01	16743	0.52
16704	0.01	16744	0.04
16705	1.16	16745	0.15
16706	0.64	16746	0.68
16707	1.00	16747	0.23
16708	0.26	16748	<0.01
16709	0.01	16749	0.01
16710	0.04	16750	<0.01
16711	0.43	16751	0.01
16712	0.01	16752	0.90
16713	<0.01	16753	0.01
16714	0.46	16754	0.03
16715	0.07	16755	<0.01
16716	<0.01	16756	0.01
16717	0.09	16757	0.10
16718	1.20	16758	4.30
16719	0.72	16759	0.20
16720	0.01	16760	<0.01
16721	0.10	16761	0.01
16722	0.01	16762	0.03
16723	0.01	16763	0.02
16724	<0.01	16764	0.92
16725	<0.01	16765	0.06
16726	0.24	16766	0.07
16727	0.16	16767	0.07
16728	0.01	16768	0.10
16729	0.03	16769	0.12
16730	1.20	16770	2.50
16731	0.06	16771	0.09
16732	0.02	16772	0.01
16733	0.47	16773	0.02
16734	0.21	16774	5.00
16735	0.02	16775	0.03
16736	0.01	16776	6.40
16737	1.60	16777	0.02
16738	0.02		
16739	3.10		
16740	0.01		

< = less than .

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

Fenton Scott Management

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

N° 66821

ÉCHANTILLONS CORE
SAMPLER
RECU DE Mark Doucet
RECEIVED FROM

VAL D'OR (QUÉBEC) April 12, 19 96
ANALYSES 36 Au
ASSAYS 1 Au

Sample No.	Au ppb	Sample No.	Au ppm
16778	90	16813	* 1.25
16779	70		
16780	250		
16781	90		
16782	120		
16783	60		
16784	80		
16785	640		
16786	30		
16787	80		
16788	10		
16789	N.D.		
16790	80		
16791	50		
16792	60		
16793	410		
16794	20		
16795	60		
16796	50		
16797	60		
16798	N.D.		
16799	70		
16800	90		
16801	50		
16802	100		
16803	10		
16804	30		
16805	30		
16806	80		
16807	160		
16808	60		
16809	N.D.		
16810	90		
16811	90		
16812	90		
16813	* >1000		

For Au N.D. means less than 5 ppb.
> = greater than.

N.B. Zn to follow for sample # 16813.

Porter
ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

Fenton Scott Management

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

N° 66896

VAL D'OR (QUÉBEC) April 29, 1996

ECHANTILLONS Rock/Core
 SAMPLES
 RECU DE Mark Doucet
 RECEIVED FROM

ANALYSES 60 Au
 ASSAYS 2 Au

Sample No.	Au ppb	Sample No.	Au ppb	Echantillon	Au ppm
16814	5	16854	N.D.	16826	* 1.05
16815	460	16855	10	16861	* 1.95
16816	380	16856	90		
16817	N.D.	16857	300		
16818	20	16858	10		
16819	10	16859	70		
16820	940	16860	60		
16821	20	16861	* >1000		
16822	220	16862	60		
16823	100	16863	170		
16824	340	16864	370		
16825	N.D.	16865	10		
16826	* >1000	16866	70		
16827	N.D.	16867	130		
16828	N.D.	16868	30		
16829	560	16869	120		
16830	130	16870	N.D.		
16831	20	16871	30		
16832	20	16872	20		
16833	50	16873	20		
16834	10				
16835	640				
16836	110				
16837	140				
16838	N.D.				
16839	750				
16840	N.D.				
16841	N.D.				
16842	20				
16843	230				
16844	10				
16845	N.D.				
16846	690				
16847	50				
16848	20				
16849	310				
16850	60				
16851	N.D.				
16852	N.D.				
16853	60				

For Au N.D. means less than 5 ppb.
 > = greater than

N.B. Base metals to follow.

(Signature)
 ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

Réf. cert. #66896

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

N° 66926

Pg 1/2

ECHANTILLONS CORE

VAL D'OR (QUÉBEC) April 30, 19 96

RECUE DE Mark Doucet

ANALYSES 59 Cu, 59 Zn
ASSAYS 59 Pb

Echantillon	Cu %	Zn %	Pb %
16814	0.017	0.265	0.009
16815	0.021	0.860	0.006
16816	0.007	0.217	0.003
16817	0.018	2.50	0.940
16818	0.011	0.094	0.040
16819	0.005	0.007	0.001
16820	0.015	0.036	0.003
16821	0.003	0.016	0.006
16822	0.014	0.470	0.010
16823	0.005	0.030	0.006
16824	0.006	0.215	0.010
16825	0.003	0.004	0.001
16826	0.015	0.024	0.002
16827	0.002	0.002	0.001
16828	0.001	0.007	0.001
16829	0.077	0.012	0.001
16830	0.019	0.022	< 0.001
16831	0.010	0.001	0.001
16832	0.015	0.012	0.002
16833	0.011	0.092	0.016
16834	0.012	0.017	0.003
16835	0.027	0.460	0.051
16836	0.011	0.400	0.006
16837	0.007	0.021	0.004
16838	0.006	0.060	0.004
16839	0.031	0.830	0.014
16840	0.004	0.012	0.002
16841	0.005	0.009	0.001
16842	0.007	0.150	0.005
16843	0.017	0.780	0.010
16844	0.004	0.045	0.003
16845	0.003	0.028	0.001
16846	0.016	0.107	0.003
16847	0.009	0.242	0.004
16848	0.011	0.330	0.016
16849	0.032	1.50	0.004
16850	0.009	0.035	< 0.001
16852	0.006	0.330	0.024
16853	0.073	1.29	0.158
16854	0.020	0.275	0.017



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

FENTON SCOTT MANAGEMENT INC.

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

Réf. cert. #66896

N° 66926 Pg 2/2

ÉCHANTILLONS Core

VAL D'OR (QUÉBEC) April 30, 19 96

RECU DE Mark Doucet

ANALYSES 59 Cu, 59 Zn
ASSAYS 59 Pb

Echantillon	Cu %	Zn %	Pb %
16855	0.007	0.226	0.021
16856	0.007	0.190	0.037
16857	0.035	0.490	0.273
16858	0.009	0.027	0.010
16859	0.007	0.085	0.026
16860	0.010	0.048	0.018
16861	0.069	0.203	0.023
16862	0.008	0.240	0.020
16863	0.020	0.740	0.197
16864	0.011	0.440	0.180
16865	0.007	0.107	0.029
16866	0.006	0.131	0.017
16867	0.005	0.087	0.016
16868	0.007	0.028	0.001
16869	0.035	2.80	0.009
16870	0.003	0.036	<0.001
16871	0.010	0.010	0.002
16872	0.012	1.25	0.024
16873	0.012	0.007	<0.001

< = less than

N.B. Ag, As to follow.

 J. P. Scott
 ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

Fenton Scott Management

Ref. cert. #66926

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66932

ÉCHANTILLONS Rock/Core

VAL D'OR (QUÉBEC) April 30, 19 96

RECUE DE Mark Doucet

ANALYSES 59 Ag ASSAYS

Sample No.	Ag ppm	Sample No.	Ag ppm
16814	3	16854	<1
16815	4	16855	<1
16816	1	16856	1
16817	45	16857	8
16818	2	16858	<1
16819	<1	16859	1
16820	<1	16860	<1
16821	1	16861	4
16822	1	16862	2
16823	1	16863	2
16824	<1	16864	2
16825	1	16865	<1
16826	<1	16866	1
16827	<1	16867	<1
16828	7	16868	<1
16829	<1	16869	6
16830	<1	16870	<1
16831	<1	16871	<1
16832	<1	16872	1
16833	2	16873	<1
16834	<1		
16835	6		
16836	1		
16837	1		
16838	<1		
16839	<1		
16840	<1		
16841	<1		
16842	<1		
16843	2		
16844	1		
16845	<1		
16846	2		
16847	1		
16848	1		
16849	5		
16850	<1		
16852	1		
16853	3		

< = less than

N.B. As to follow.


 ANALYST/ASSAYER

L. - D. Melnabardis



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

CERTIFICAT D'ANALYSES

CERTIFICATE OF ANALYSIS

Fenton Scott Management

Ref. cert. #66896

N° 66937

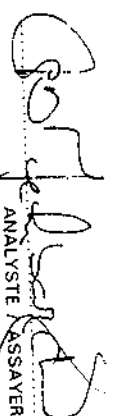
ÉCHANTILLONS Rock

SAMPLES Mark Doucet

RECU DE
RECEIVED FROM
 VAL D'OR (QUÉBEC) April 30, 1996
 ANALYSES 1Ag, 1Cu, 1Zn, 1 Ni,
 ASSAYS 1Co, 1S

Sample No.	Ag ppm	Cu %	Zn %	Ni %	Co %	S %
16851	< 1	0.050	0.005	0.129	0.033	3.87

< = less than


 ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE

BOURLAMAQUE ASSAY LABORATORIES LTD.

Fenton Scott Management

Ref. cert. #66926

 CERTIFICAT D'ANALYSES
 CERTIFICATE OF ANALYSIS

N° 66951

 ECHANTILLONS
 SAMPLES
 Core

VAL D'OR (QUÉBEC) May 1, 19 96

 RECU DE
 RECEIVED FROM
 Mark Doucet

 ANALYSES
 ASSAYS
 59 As

Sample No.	As %	Sample No.	As %
16814	0.04	16854	0.02
16815	2.20	16855	0.01
16816	0.01	16856	0.25
16817	0.01	16857	1.20
16818	<0.01	16858	0.02
16819	<0.01	16859	0.03
16820	1.10	16860	0.04
16821	0.01	16861	4.80
16822	0.14	16862	0.03
16823	<0.01	16863	0.45
16824	0.68	16864	0.23
16825	0.01	16865	<0.01
16826	0.68	16866	0.01
16827	0.01	16867	0.01
16828	0.01	16868	0.01
16829	0.06	16869	<0.01
16830	0.02	16870	<0.01
16831	<0.01	16871	0.01
16832	0.01	16872	<0.01
16833	0.04	16873	<0.01
16834	1.30		
16835	0.05		
16836	0.08		
16837	<0.01		
16838	4.80		
16839	<0.01		
16840	<0.01		
16841	0.01		
16842	1.10		
16843	0.01		
16844	<0.01		
16845	1.10		
16846	0.08		
16847	<0.01		
16848	<0.01		
16849	<0.01		
16850	0.05		
16852	0.17		
16853	0.05		

< = less than

ANALYSTE / ASSAYER

L. - D. Melnabardis



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE
BOURLAMAQUE ASSAY LABORATORIES LTD.

RE: Methods used to assay Highland Range Minerals Ltd. samples
Analytical Procedures

Au

- 20 gram sample fused
- AA finish
- detection limit: 5 ppb

Samples assayed over 1000 ppb automatically re-assayed

- 20 gram sample

- gravimetric finish
- detection limit: 0.15 g/tonne

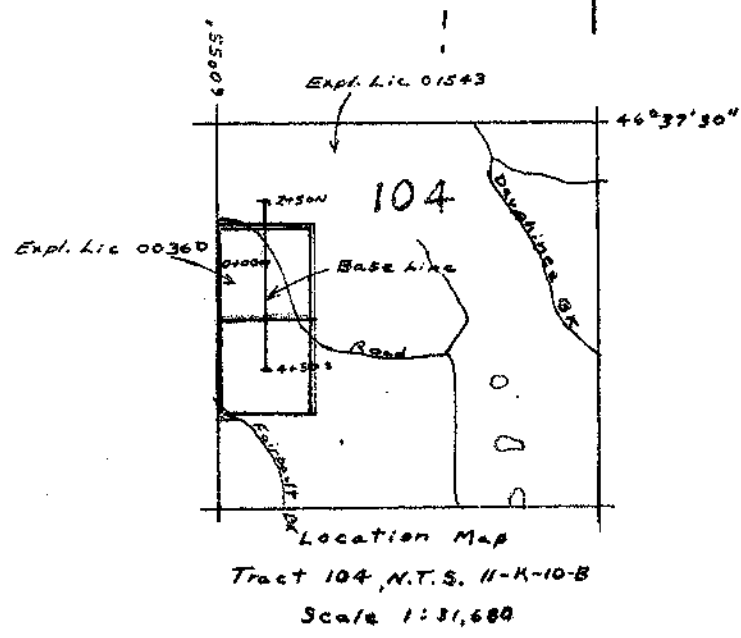
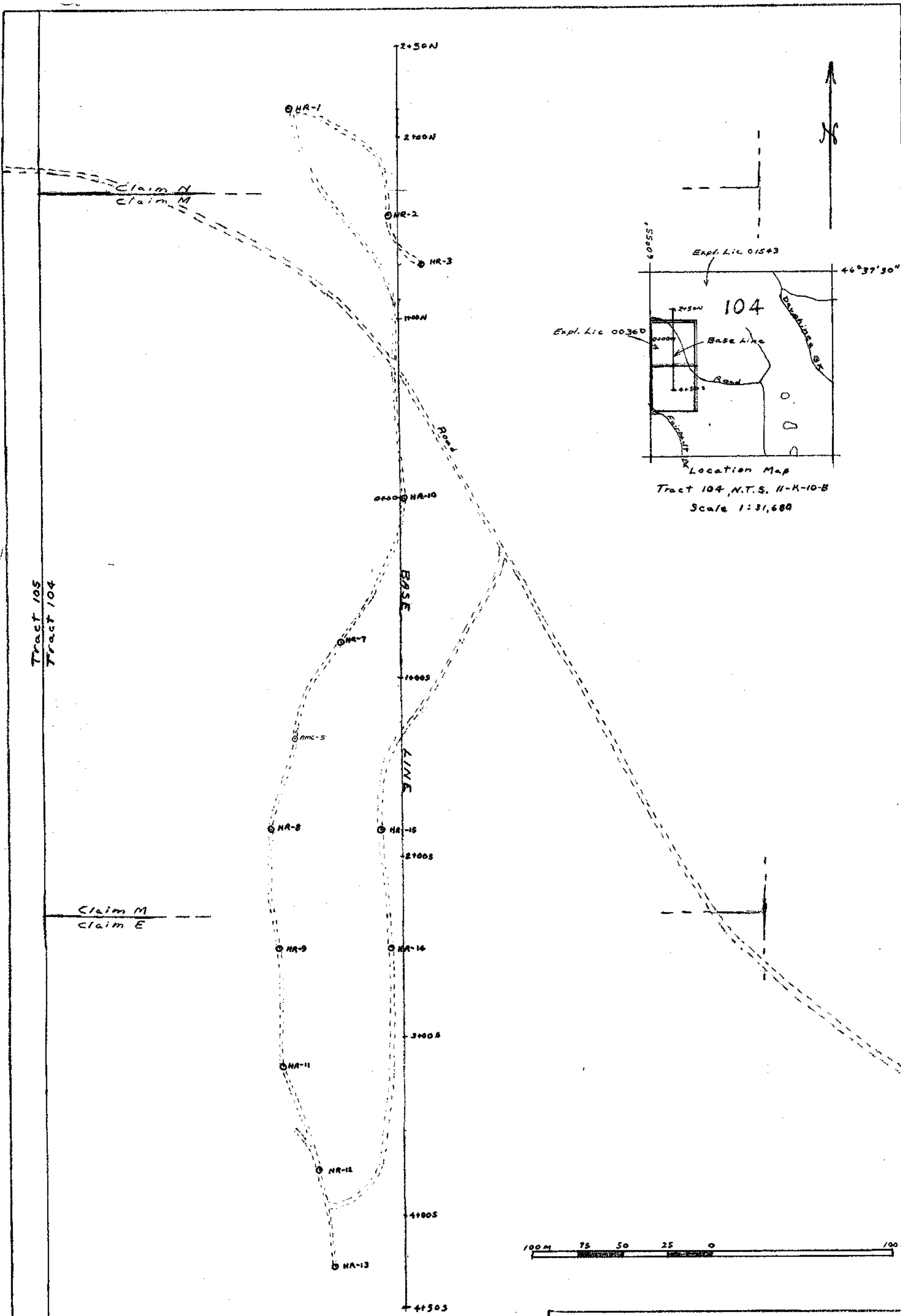
Ag

- acid digest
- AA
- detection limit: 1 ppm (1g/tonne)

Cu, Zn, Pb

- acid digest
- AA
- detection limit: 0.002%

- acid digest
- AA
- detection limit: 0.01%



Legend
 ⊙ Diamond Drill Hole (Vertical)

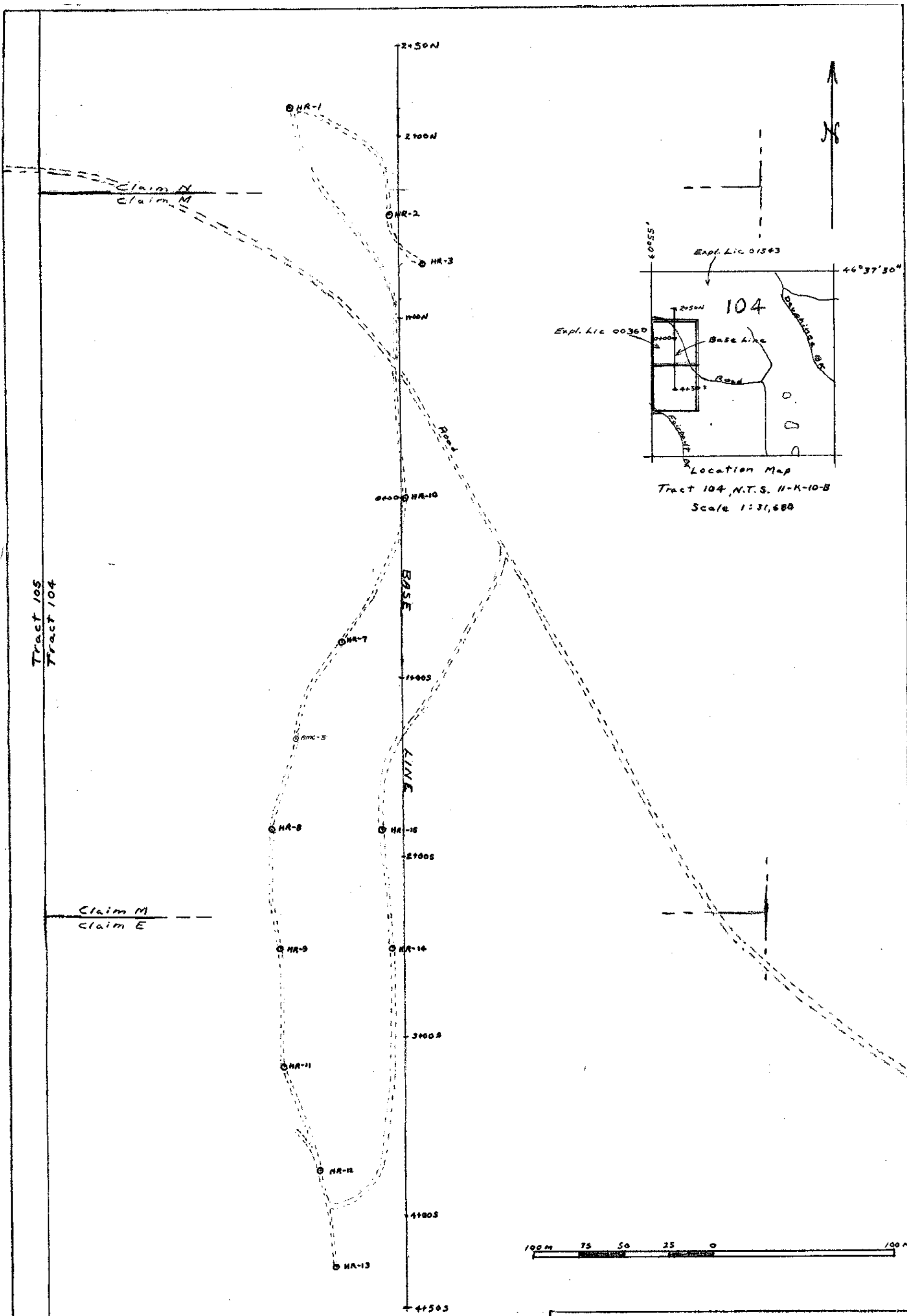
HIGHLAND RANGE MINERALS LTD.
 FAIRBAULT BROOK
 INVERNESS CO., N.S.

Plan Showing Diamond Drill Holes
 Core Shack Grid

AR 96-061

SCALE 1:2000 DATE: APRIL 1996

Handwritten signature



Legend
 ○ Diamond Drill Hole (Vertical)

HIGHLAND RANGE MINERALS LTD.
 FAIRBAULT BROOK
 INVERNESS CO., N.S.

Plan Showing Diamond Drill Holes
 Core Shack Grid

AR 96-061

SCALE 1:2000 DATE: APRIL 1996

Handwritten signature

STATEMENT OF ASSESSMENT WORK EXPENDITURES

(N.B. Complete as necessary to substantiate the total claimed)

RE: EXPLORATION LICENCE NO. 00360 DATE OF ISSUE August 16 19 91

TYPE OF WORK

1. Prospecting	_____	days	_____
2. Geological mapping	_____	days	_____
3. Trenching/Stripping/Redding	_____	m ³	_____
4. Assaying & whole rock analysis	<u>261</u>	#	<u>9,657.00</u>
5. Other laboratory	<u>32</u>	#	<u>256.00</u>
6. Grd: a) Linecutting	_____	km	<u>1,197.50</u>
b) Picket setting	_____	km	<u>5</u>
c) Flagging	_____	km	<u>2</u>
7. Geophysical Surveys: a) EM	_____	km	<u>4</u>
b) Mag or Grad	_____	km	<u>1.5</u>
c) Radiometric	_____	km	<u>1.5</u>
d) Combination	_____	km	<u>1.5</u>
e) Other	_____	km	<u>85</u>
8. Geophysical Surveys: a) EM	_____	km	_____
Ground: b) Seismic Soundings	_____	#	_____
c) Magnetic/telemetry	_____	km	_____
d) T/Resistivity	_____	km	_____
e) Gravity	_____	km	_____
f) Other	_____	km	_____
9. Geochemical Surveys: a) Lake, stream, spring	_____	samples	_____
(sed./water) b) Rock/core/chips	_____	samples	_____
c) Soil/Overburden	_____	samples	_____
d) Gas Method	_____	samples	_____
e) Biogeochemistry	_____	samples	_____
f) Sample Collection	_____	days	_____
g) Other	_____	_____	_____
10. Drilling: a) Diamond (#holes/m)	<u>111</u>	m	<u>78,877.35</u>
b) Percussion (#hole/m)	<u>1</u>	m	_____
c) Rotary (#hole/m)	<u>1</u>	m	_____
d) Auger (#hole/m)	<u>1</u>	m	_____
e) Reverse circulation	_____	m	_____
f) Logging, supervision	_____	_____	_____
etc. g) Sealing (# holes)	<u>1</u>	days	<u>45,355.34</u>
11. Other: (describe) <u>Road Maintenance</u>	_____	_____	<u>100.00</u>
_____	_____	_____	<u>3,274.20</u>
_____	_____	_____	_____
SUBTOTAL	_____	_____	<u>138,774.44</u>

SUBTOTAL 7,341.95
TOTAL 146,059.39

I hereby certify that the above information is true and correct and that it has not before been submitted for assessment work credit.

As Licenses I am duly authorized to make this certification.

(Position in Company or Licensee)

DATED AT Baddley, Nova Scotia in the Province of Nova Scotia
this 8th day of August 19 96

Name and Address of Licensee: P.O. Box 302

Baddley Nova Scotia B0E1B0

Signature

[Signature]