60000711

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File - Hole No. RS-484-99
AUTHOR	K. Allen
DATE OF DOC(S)	2000
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Hecla Mining Co.
COMMODITY If not obvious	gold; silver
NOTES	~~Geochemistry; receipts~~; assay; total depth 1400' 35p.

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

SS: DD 4/29/08
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

Revised: 1/22/08

RS-484

6600 0711
4010

6000071

INSPECTORATE

ROCKY MOUNTAIN GEOCHEMICAL

A MEMBER OF THE INSPECTORATE GROUP OF COMPANIES

840 GREG STREET • SPARKS, NEVADA 89431 • PHONE (775) 359-6311 • FAX (775) 359-2944

Certificate of Analysis

DATE: Friday, February 11, 2000

JOB NO: 100-00-96

CLIENT: Hecla (Rosebud Mine)
P.O. Box 2610
Winnemucca, NV 89446 US

INVOICE NO: 33100489

CLIENT ORDER NO: RS-484

NS 1

REPORT ON: 281 RC

SUBMITTED BY: Kurt Allen

DATE RECIEVED: Monday, January 10, 2000

ANALYSES: Rosebud Mine Development Protocol

ANALYTICAL METHODS: FA/AA

REMARKS:

CC: RMG File

E-MAILED TO:

All values are reported in parts per million unless specified otherwise. A minus sign (–) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND=None Detected 1 ppm=0.0001% Troy oz./ton=34.286 ppm 1 ppm=0.0292 Troy oz./ton

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of rocks or minerals collected by the prospective investor or by a qualified person selected by him.

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 0'-5'	12	-0.001	-0.1	-0.003
RS-484 5'-10'	3	-0.001	-0.1	-0.003
RS-484 10'-15'	3	-0.001	0.2	0.005
RS-484 15'-20'	8	-0.001	-0.1	-0.003
RS-484 20'-25'	6	-0.001	0.2	0.005
RS-484 25'-30'	-2	-0.001	-0.1	-0.003
RS-484 30'-35'	-2	-0.001	0.1	0.003
RS-484 35'-40'	2	-0.001	-0.1	-0.003
RS-484 40'-45'	2	-0.001	0.1	0.004
RS-484 45'-50'	-2	-0.001	0.2	0.006
RS-484 50'-55'	-2	-0.001	-0.1	-0.003
RS-484 55'-60'	-2	-0.001	0.1	0.004
RS-484 60'-65'	-2	-0.001	-0.1	-0.003
RS-484 65'-70'	40	0.001	0.2	0.007
RS-484 70'-75'	-2	-0.001	-0.1	-0.003
RS-484 75'-80'	3	-0.001	0.1	0.004
RS-484 80'-85'	-2	-0.001	-0.1	-0.003
RS-484 85'-90'	2	-0.001	0.1	0.004
RS-484 90'-95'	-2	-0.001	0.2	0.005
RS-484 95'-100'	-2	-0.001	-0.1	-0.003
RS-484 100'-105'	3	-0.001	-0.1	-0.003
RS-484 105'-110'	5	-0.001	-0.1	-0.003
RS-484 110'-115'	2	-0.001	0.2	0.005
RS-484 115'-120'	-2	-0.001	-0.1	-0.003

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 120'-125'	38	0.001	1.6	0.047
RS-484 125'-130'	17	-0.001	0.2	0.006
RS-484 130'-135'	6	-0.001	0.3	0.010
RS-484 135'-140'	3	-0.001	0.2	0.005
RS-484 140'-145'	3	-0.001	-0.1	-0.003
RS-484 145'-150'	3	-0.001	0.2	0.005
RS-484 150'-155'	-2	-0.001	-0.1	-0.003
RS-484 155'-160'	-2	-0.001	0.2	0.005
RS-484 160'-165'	2	-0.001	-0.1	-0.003
RS-484 165'-170'	5	-0.001	0.2	0.007
RS-484 170'-175'	4	-0.001	0.1	0.003
RS-484 175'-180'	5	-0.001	0.2	0.006
RS-484 180'-185'	2	-0.001	0.1	0.004
RS-484 185'-190'	-2	-0.001	-0.1	-0.003
RS-484 190'-195'	-2	-0.001	0.1	0.004
RS-484 195'-200'	-2	-0.001	0.1	0.003
RS-484 200'-205'	24	0.001	0.1	0.003
RS-484 205'-210'	17	-0.001	0.4	0.012
RS-484 210'-215'	162	0.005	3.6	0.106
RS-484 215'-220'	70	0.002	0.7	0.020
RS-484 220'-225'	66	0.002	1.2	0.034
RS-484 225'-230'	56	0.002	0.1	0.003
RS-484 230'-235'	46	0.001	0.2	0.006
RS-484 235'-240'	39	0.001	0.3	0.009

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 240'-245'	39	0.001	0.2	0.007
RS-484 245'-250'	33	0.001	0.4	0.012
RS-484 250'-255'	80	0.002	0.5	0.014
RS-484 255'-260'	20	0.001	0.3	0.010
RS-484 260'-265'	76	0.002	0.2	0.005
RS-484 265'-270'	87	0.003	0.4	0.011
RS-484 270'-275'	42	0.001	0.1	0.004
RS-484 275'-280'	36	0.001	0.2	0.005
RS-484 280'-285'	29	0.001	0.2	0.005
RS-484 285'-290'	19	0.001	-0.1	-0.003
RS-484 290'-295'	26	0.001	0.3	0.008
RS-484 295'-300'	51	0.001	0.2	0.005
RS-484 300'-305'	209	0.006	0.3	0.010
RS-484 305'-310'	330	0.010	0.6	0.018
RS-484 310'-315'	181	0.005	0.8	0.022
RS-484 315'-320'	153	0.004	0.6	0.017
RS-484 320'-325'	180	0.005	0.4	0.011
RS-484 325'-330'	120	0.004	0.5	0.016
RS-484 330'-335'	184	0.005	0.5	0.015
RS-484 335'-340'	284	0.008	0.9	0.026
RS-484 340'-345'	133	0.004	0.4	0.013
RS-484 345'-350'	175	0.005	1.3	0.039
RS-484 350'-355'	146	0.004	1.6	0.048
RS-484 355'-360'	126	0.004	1.2	0.036

300

4654/26

130' @ 180 ppb Au
1.28 ppm Ag

0.0053 oz Au
0.037 oz Ag

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 360'-365'	169	0.005	1.2	0.034
RS-484 365'-370'	155	0.005	1.2	0.036
RS-484 370'-375'	168	0.005	0.9	0.027
RS-484 375'-380'	150	0.004	0.9	0.026
RS-484 380'-385'	135	0.004	0.8	0.024
RS-484 385'-390'	173	0.005	0.9	0.025
RS-484 390'-395'	218	0.006	1.2	0.034
RS-484 395'-400'	120	0.004	1.1	0.033
RS-484 400'-405'	171	0.005	3.2	0.092
RS-484 405'-410'	225	0.007	3.4	0.100
RS-484 410'-415'	276	0.008	3.3	0.097
RS-484 415'-420'	231	0.007	2.6	0.075
RS-484 420'-425'	163	0.005	1.8	0.054
RS-484 425'-430' 430	114	0.003	1.6	0.046
RS-484 430'-435'	6	-0.001	0.6	0.017
RS-484 435'-440'	9	-0.001	0.4	0.013
RS-484 440'-445'	34	0.001	0.5	0.016
RS-484 445'-450'	3	-0.001	0.2	0.007
RS-484 450'-455'	5	-0.001	0.5	0.014
RS-484 455'-460'	2	-0.001	0.1	0.003
RS-484 460'-465'	11	-0.001	0.4	0.013
RS-484 465'-470'	33	0.001	0.6	0.017
RS-484 470'-475'	2	-0.001	0.2	0.006
RS-484 475'-480'	17	-0.001	0.2	0.007

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 480'-485'	17	-0.001	0.1	0.004
RS-484 485'-490'	114	0.003	1.8	0.052
RS-484 490'-495'	78	0.002	1.2	0.034
RS-484 495'-500'	32	0.001	0.5	0.016
RS-484 500'-505'	31	0.001	0.4	0.013
RS-484 505'-510'	28	0.001	0.5	0.015
RS-484 510'-515'	27	0.001	0.4	0.013
RS-484 515'-520'	10	-0.001	0.2	0.006
RS-484 520'-525'	20	0.001	0.3	0.009
RS-484 525'-530'	12	-0.001	0.4	0.011
RS-484 530'-535'	2	-0.001	-0.1	-0.003
RS-484 535'-540'	3	-0.001	0.2	0.005
RS-484 540'-545'	-2	-0.001	0.2	0.006
RS-484 545'-550'	2	-0.001	0.1	0.003
RS-484 550'-555'	-2	-0.001	0.2	0.007
RS-484 555'-560'	7	-0.001	0.1	0.004
RS-484 560'-565'	21	0.001	0.3	0.010
RS-484 565'-570'	-2	-0.001	-0.1	-0.003
RS-484 570'-575'	5	-0.001	0.2	0.005
RS-484 575'-580'	5	-0.001	-0.1	-0.003
RS-484 580'-585'	23	0.001	0.5	0.014
RS-484 585'-590'	-2	-0.001	0.2	0.005
RS-484 590'-595'	-2	-0.001	-0.1	-0.003
RS-484 595'-600'	-2	-0.001	0.2	0.006

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 600'-605'	12	-001	0.1	0.003
RS-484 605'-610'	-2	-0.001	0.2	0.007
RS-484 610'-615'	-2	-0.001	0.3	0.010
RS-484 615'-620'	9	-0.001	0.2	0.006
RS-484 620'-625'	31	0.001	0.2	0.007
RS-484 625'-630'	11	-0.001	0.1	0.004
RS-484 630'-635'	-2	-0.001	0.3	0.009
RS-484 635'-640'	2	-0.001	0.1	0.003
RS-484 640'-645'	3	-0.001	0.1	0.003
RS-484 645'-650'	5	-0.001	-0.1	-0.003
RS-484 650'-655'	16	-0.001	0.2	0.006
RS-484 655'-660'	-2	-0.001	-0.1	-0.003
RS-484 660'-665'	-2	-0.001	0.2	0.006
RS-484 665'-670'	14	-0.001	-0.1	-0.003
RS-484 670'-675'	19	0.001	0.2	0.005
RS-484 675'-680'	-2	-0.001	-0.1	-0.003
RS-484 680'-685'	6	-0.001	-0.1	-0.003
RS-484 685'-690'	-2	-0.001	0.1	0.003
RS-484 690'-695'	-2	-0.001	0.3	0.008
RS-484 695'-700'	-2	-0.001	0.1	0.004
RS-484 700'-705'	-2	-0.001	-0.1	-0.003
RS-484 705'-710'	11	-0.001	2.4	0.071
RS-484 710'-715'	6	-0.001	-0.1	-0.003
RS-484 715'-720'	-2	-0.001	0.1	0.003

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 720'-725'	-2	-0.001	-0.1	-0.003
RS-484 725'-730'	-2	-0.001	-0.1	-0.003
RS-484 730'-735'	-2	-0.001	-0.1	-0.003
RS-484 735'-740'	-2	-0.001	-0.1	-0.003
RS-484 740'-745'	-2	-0.001	0.2	0.005
RS-484 745'-750'	-2	-0.001	-0.1	-0.003
RS-484 750'-755'	-2	-0.001	0.1	0.004
RS-484 755'-760'	-2	-0.001	-0.1	-0.003
RS-484 760'-765'	-2	-0.001	0.2	0.005
RS-484 765'-770'	37	0.001	0.1	0.003
RS-484 770'-775'	-2	-0.001	-0.1	-0.003
RS-484 775'-780'	-2	-0.001	0.1	0.004
RS-484 780'-785'	3	-0.001	-0.1	-0.003
RS-484 785'-790'	3	-0.001	0.1	0.004
RS-484 790'-795'	-2	-0.001	-0.1	-0.003
RS-484 795'-800'	3	-0.001	0.2	0.006
RS-484 800'-805'	7	-0.001	-0.1	-0.003
RS-484 805'-810'	3	-0.001	0.1	0.003
RS-484 810'-815'	-2	-0.001	0.1	0.004
RS-484 815'-820'	3	-0.001	0.1	0.004
RS-484 820'-825'	5	-0.001	-0.1	-0.003
RS-484 825'-830'	-2	-0.001	0.1	0.003
RS-484 830'-835'	8	-0.001	0.2	0.005
RS-484 835'-840'	-2	-0.001	0.3	0.010

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 840'-845'	9	-0.001	0.1	0.003
RS-484 845'-850'	26	0.001	0.1	0.004
RS-484 850'-855'	19	0.001	0.5	0.014
RS-484 855'-860'	41	0.001	0.3	0.008
RS-484 860'-865'	23	0.001	0.2	0.007
RS-484 865'-870'	11	-0.001	0.2	0.005
RS-484 870'-875'	8	-0.001	0.1	0.003
RS-484 875'-880'	20	0.001	0.5	0.016
RS-484 880'-885'	7	-0.001	-0.1	-0.003
RS-484 885'-890'	86	0.003	0.8	0.022
RS-484 890'-895'	36	0.001	0.4	0.012
RS-484 895'-900'	14	-0.001	0.4	0.011
RS-484 900'-905'	26	0.001	0.5	0.016
RS-484 905'-910'	19	0.001	0.4	0.013
RS-484 910'-915'	426	0.012	0.9	0.025
RS-484 915'-920'	65	0.002	0.3	0.010
RS-484 920'-925'	38	0.001	0.7	0.019
RS-484 925'-930'	5	-0.001	0.2	0.006
RS-484 930'-935'	6	-0.001	0.4	0.013
RS-484 935'-940'	9	-0.001	0.4	0.012
RS-484 940'-945'	19	0.001	0.4	0.011
RS-484 945'-950'	2	-0.001	0.5	0.014
RS-484 950'-955'	4	-0.001	0.4	0.013
RS-484 955'-960'	3	-0.001	0.4	0.013

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 960'-965'	12	-0.001	0.3	0.010
RS-484 965'-970'	3	-0.001	0.2	0.007
RS-484 970'-975'	5	-0.001	0.2	0.006
RS-484 975'-980'	-2	-0.001	0.6	0.018
RS-484 980'-985'	5	-0.001	0.3	0.008
RS-484 985'-990'	2	-0.001	0.3	0.009
RS-484 990'-995'	6	-0.001	0.1	0.004
RS-484 995'-1000'	2	-0.001	0.2	0.005
RS-484 1000'-1005'	12	-0.001	0.3	0.008
RS-484 1005'-1010'	-2	-0.001	0.2	0.006
RS-484 1010'-1015'	-2	-0.001	0.4	0.012
RS-484 1015'-1020'	3	-0.001	0.1	0.004
RS-484 1020'-1025'	8	-0.001	0.4	0.011
RS-484 1025'-1030'	-2	-0.001	0.2	0.005
RS-484 1030'-1035'	-2	-0.001	0.3	0.010
RS-484 1035'-1040'	2	-0.001	0.3	0.009
RS-484 1040'-1045'	3	-0.001	0.1	0.004
RS-484 1045'-1050'	2	-0.001	0.4	0.011
RS-484 1050'-1055'	5	-0.001	0.6	0.018
RS-484 1055'-1060'	-2	-0.001	0.4	0.011
RS-484 1060'-1065'	2	-0.001	0.2	0.005
RS-484 1065'-1070'	3	-0.001	0.2	0.005
RS-484 1070'-1075'	2	-0.001	0.2	0.005
RS-484 1075'-1080'	2	-0.001	0.3	0.009

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 1080'-1085'	4	-0.001	0.2	0.006
RS-484 1085'-1090'	-2	-0.001	0.4	0.011
RS-484 1090'-1095'	4	-0.001	0.3	0.008
RS-484 1095'-1100'	7	-0.001	0.1	0.004
RS-484 1100'-1105'	7	-0.001	0.2	0.007
RS-484 1105'-1110'	3	-0.001	0.2	0.005
RS-484 1110'-1115'	8	-0.001	0.2	0.006
RS-484 1115'-1120'	6	-0.001	0.2	0.005
RS-484 1120'-1125'	3	-0.001	0.2	0.006
RS-484 1125'-1130'	-2	-0.001	0.2	0.006
RS-484 1130'-1135'	-2	-0.001	0.2	0.005
RS-484 1135'-1140'	-2	-0.001	0.2	0.007
RS-484 1140'-1145'	-2	-0.001	0.2	0.005
RS-484 1145'-1150'	6	-0.001	0.7	0.021
RS-484 1150'-1155'	-2	-0.001	0.1	0.004
RS-484 1155'-1160'	-2	-0.001	0.3	0.008
RS-484 1160'-1165'	5	-0.001	0.2	0.005
RS-484 1165'-1170'	-2	-0.001	0.3	0.010
RS-484 1170'-1175'	3	-0.001	0.2	0.006
RS-484 1175'-1180'	-2	-0.001	0.2	0.007
RS-484 1180'-1185'	-2	-0.001	0.06	0.017
RS-484 1185'-1190'	M	M	M	M
RS-484 1190'-1195'	14	-0.001	0.4	0.011
RS-484 1195'-1200'	-2	-0.001	-0.1	-0.003

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 1200'-1205'	20	0.001	0.4	0.013
RS-484 1205'-1210'	-2	-0.001	0.2	0.007
RS-484 1210'-1215'	-2	-0.001	0.4	0.011
RS-484 1215'-1220'	-2	-0.001	0.4	0.011
RS-484 1220'-1225'	-2	-0.001	0.3	0.009
RS-484 1225'-1230'	-2	-0.001	0.6	0.017
RS-484 1230'-1235'	-2	-0.001	0.1	0.003
RS-484 1235'-1240'	-2	-0.001	0.7	0.021
RS-484 1240'-1245'	16	-0.001	0.3	0.008
RS-484 1245'-1250'	-2	-0.001	0.4	0.013
RS-484 1250'-1255'	-2	-0.001	0.2	0.007
RS-484 1255'-1260'	-2	-0.001	0.3	0.009
RS-484 1260'-1265'	-2	-0.001	0.3	0.008
RS-484 1265'-1270'	-2	-0.001	0.2	0.007
RS-484 1270'-1275'	-2	-0.001	0.3	0.010
RS-484 1275'-1280'	-2	-0.001	0.2	0.007
RS-484 1280'-1285'	-2	-0.001	0.9	0.025
RS-484 1285'-1290'	-2	-0.001	1.8	0.052
RS-484 1290'-1295'	34	0.001	4.6	0.134
RS-484 1295'-1300'	24	0.001	0.5	0.016
RS-484 1300'-1305'	12	-0.001	4	0.118
RS-484 1305'-1310'	-2	-0.001	0.4	0.011
RS-484 1310'-1315'	-2	-0.001	0.3	0.009
RS-484 1315'-1320'	-2	-0.001	0.5	0.014

SAMPLE NO	ppb Gold	oz/ton Gold	ppm Silver	oz/ton Silver
RS-484 1320'-1325'	4	-0.001	0.6	0.017
RS-484 1325'-1330'	-2	-0.001	0.4	0.013
RS-484 1330'-1335'	8	-0.001	0.4	0.013
RS-484 1335'-1340'	4	-0.001	0.6	0.017
RS-484 1340'-1345'	-2	-0.001	0.3	0.010
RS-484 1345'-1350'	-2	-0.001	0.3	0.010
RS-484 1350'-1355'	-2	-0.001	0.2	0.006
RS-484 1355'-1360'	-2	-0.001	0.2	0.005
RS-484 1360'-1365'	2	-0.001	0.4	0.011
RS-484 1365'-1370'	-2	-0.001	-0.1	-0.003
RS-484 1370'-1375'	-2	-0.001	0.1	0.004
RS-484 1375'-1380'	-2	-0.001	0.1	0.003
RS-484 1380'-1385'	5	-0.001	0.2	0.005
RS-484 1385'-1390'	-2	-0.001	0.1	0.003
RS-484 1390'-1395'	4	-0.001	0.2	0.005
RS-484 1395'-1400'	-2	-0.001	-0.1	-0.003
STD 75361	928	0.0273	26	0.760

INSPECTORATE

ROCKY MOUNTAIN GEOCHEMICAL

A MEMBER OF THE INSPECTORATE GROUP OF COMPANIES
840 GREG STREET • SPARKS, NEVADA 89431 • PHONE (775) 359-6311 • FAX (775) 359-2944

Kurt Allen
Hecla (Rosebud Mine)
P.O. Box 2610
Winnemucca, NV 89446 US

Invoice No: 33100489
Invoice Date: 2/11/00
JobNo: 100-00-96
Account No: 00007292

Client PO:

INVOICE

Terms: Net 30 days

Item Description	Qty	Unit Price	Amount
Rock Chip 16-20 Lbs	280	$4.50	$1,260.00
Au, Ag FA/AA/AAS	280	$6.50	$1,820.00

PLEASE REMIT TO:

Inspectorate America Corp.
P.O. Box 201901
Houston, TX 77216-1901

Sub Total:	**$3,080.00**
Discount: (0.00%)	**$0.00**
Discounted Total:	**$3,080.00**
Add'l Discount: (0.00%)	**$0.00**
Final Total:	**$3,080.00**

RAA

INSPECTORATE

ROCKY MOUNTAIN GEOCHEMICAL

A MEMBER OF THE INSPECTORATE GROUP OF COMPANIES
840 GREG STREET * SPARKS, NEVADA 89431 * PHONE (775) 359-6311 * FAX (775) 359-2944

Fax Cover Sheet

DATE: 2/9/00

ATTENTION: Kurt Allen

FROM: Janet

MESSAGE:
finals for Job # 100-00-97

Number of pages including cover sheet: 10

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:44 NO.709 02/10

100-00-97	Sample Designation	Silver ICP ppm	Aluminum ICP %	Arsenic ICP ppm	Boron ICP ppm	Barium ICP ppm	Bismuth ICP ppm	Calcium ICP %	Cadmium ICP ppm	Cobalt ICP ppm	Chromium ICP ppm	Copper ICP ppm	Iron ICP %
1	RS-484 0'-20'	-0.1	0.44	4	8.8	367	-1	0.12	0.7	-1	14	3	1.91
2	RS-484 20'-40'	-0.1	0.67	3	9.3	154	-1	0.09	0.6	-1	7	10	2.07
3	RS-484 40'-60'	-0.1	0.80	-2	7.1	180	-1	0.35	0.6	-1	6	6	1.66
4	RS-484 60'-80'	-0.1	0.75	-2	6.5	75	-1	0.47	-0.5	-1	4	4	1.44
5	RS-484 80'-100'	-0.1	0.69	-2	6.2	96	-1	0.64	1.0	-1	2	4	1.51
6	RS-484 100'-120'	-0.1	0.73	2	7.5	247	-1	0.52	1.4	-1	3	4	1.90
7	RS-484 120'-140'	0.1	0.50	-2	7.8	389	-1	1.72	2.0	-1	1	4	2.03
8	RS-484 140'-160'	-0.1	0.67	-2	9.6	263	-1	1.52	1.3	-1	1	3	2.62
9	RS-484 160'-180'	0.2	0.85	-2	10.1	147	-1	2.17	1.2	-1	3	3	2.78
10	RS-484 180'-200'	-0.1	0.66	-2	9.1	59	-1	0.39	1.6	-1	7	3	2.27
11	RS-484 200'-220'	-0.1	0.58	18	8.8	73	-1	0.11	0.7	-1	36	7	2.27
12	RS-484 220'-240'	-0.1	0.79	24	10.8	59	-1	0.11	0.9	-1	44	9	2.76
13	RS-484 240'-260'	-0.1	0.66	18	10.8	141	-1	0.12	0.7	-1	36	12	2.76
14	RS-484 260'-280'	-0.1	0.56	22	9.1	145	-1	0.09	0.8	-1	32	8	2.28
15	RS-484 280'-300'	-0.1	0.63	28	9.4	90	-1	0.08	0.7	-1	49	8	2.32
16	RS-484 300'-320'	-0.1	0.40	79	9.1	70	-1	0.05	-0.5	-1	27	6	1.94
17	RS-484 320'-340'	-0.1	0.39	78	8.4	70	-1	0.05	0.6	-1	36	8	1.90
18	RS-484 340'-360'	0.4	0.31	58	7.1	46	-1	0.03	-0.5	-1	28	7	1.71
19	RS-484 360'-380'	0.3	0.54	76	11.7	61	-1	0.04	0.8	-1	51	8	2.66
20	RS-484 380'-400'	0.1	0.46	99	10.6	77	-1	0.03	0.6	-1	31	6	2.37
21	RS-484 400'-420'	2.5	0.76	109	7.8	237	2	0.04	0.6	-1	28	5	1.91
22	RS-484 420'-440'	0.4	0.44	52	6.6	174	-1	0.04	0.5	-1	18	7	1.54
23	RS-484 440'-460'	-0.1	0.37	22	6.8	82	-1	0.03	-0.5	-1	17	8	1.35
24	RS-484 460'-480'	-0.1	0.47	19	7.5	114	-1	0.04	0.6	11	27	6	1.51
25	RS-484 480'-500'	0.3	0.51	37	9.8	80	-1	0.03	1.0	14	33	6	2.49
26	RS-484 500'-520'	-0.1	0.46	18	7.0	43	-1	0.08	0.7	3	19	5	1.54
27	RS-484 520'-540'	-0.1	0.35	5	8.1	34	-1	0.17	0.8	3	15	3	1.92
28	RS-484 540'-560'	-0.1	0.35	-2	8.9	16	-1	0.22	0.7	1	24	6	1.99
29	RS-484 560'-580'	-0.1	0.45	4	7.6	32	-1	0.64	0.7	-1	28	6	1.89
30	RS-484 580'-600'	-0.1	0.34	11	9.3	25	-1	0.24	0.8	-1	34	8	2.15
31	RS-484 600'-620'	-0.1	0.31	5	8.5	28	-1	0.19	0.6	-1	29	6	2.00
32	RS-484 620'-640'	-0.1	0.36	4	8.2	13	-1	0.42	0.7	-1	31	5	1.82
33	RS-484 640'-660'	-0.1	0.27	-2	7.4	12	-1	0.26	0.6	-1	26	6	1.58

CLIENT: Hecla Mining Company

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:45 NO.709 03/10

100-00-97	Sample Designation	Mercury	Potassium	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorous	Lead
		AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
1	RS-484 0'-20'	28	0.21	12	0.03	32	-1	0.04	2	149	47
2	RS-484 20'-40'	11	0.23	15	0.02	52	-1	0.03	-1	148	78
3	RS-484 40'-60'	34	0.22	18	0.05	32	-1	0.02	-1	100	38
4	RS-484 60'-80'	65	0.21	19	0.06	29	-1	0.02	-1	138	26
5	RS-484 80'-100'	48	0.21	18	0.06	609	-1	0.04	-1	136	24
6	RS-484 100'-120'	88	0.28	21	0.05	617	-1	0.06	-1	48	26
7	RS-484 120'-140'	340	0.21	21	0.05	556	-1	0.05	1	283	36
8	RS-484 140'-160'	504	0.23	16	0.07	792	-1	0.03	-1	299	26
9	RS-484 160'-180'	810	0.29	18	0.07	1078	-1	0.06	1	258	30
10	RS-484 180'-200'	379	0.24	17	0.04	375	-1	0.09	1	191	23
11	RS-484 200'-220'	464	0.20	19	-0.01	95	1	0.02	6	92	21
12	RS-484 220'-240'	940	0.20	12	-0.01	78	2	-0.01	7	205	52
13	RS-484 240'-260'	606	0.21	16	0.01	58	2	0.01	8	146	52
14	RS-484 260'-280'	1430	0.20	16	-0.01	65	4	-0.01	9	94	40
15	RS-484 280'-300'	1373	0.19	20	-0.01	49	4	-0.01	9	59	28
16	RS-484 300'-320'	1472	0.22	18	-0.01	30	4	-0.01	7	27	21
17	RS-484 320'-340'	1656	0.21	16	-0.01	32	7	-0.01	11	16	25
18	RS-484 340'-360'	2604	0.30	16	-0.01	25	9	-0.01	7	20	16
19	RS-484 360'-380'	2817	0.38	17	-0.01	31	9	-0.01	7	26	20
20	RS-484 380'-400'	1529	0.26	17	-0.01	19	17	-0.01	4	33	18
21	RS-484 400'-420'	7983	0.17	17	-0.01	20	19	-0.01	5	25	13
22	RS-484 420'-440'	4189	0.19	23	-0.01	18	4	-0.01	3	32	21
23	RS-484 440'-460'	3284	0.22	28	-0.01	20	3	0.02	6	31	20
24	RS-484 460'-480'	1656	0.21	26	-0.01	31	3	0.04	5	60	18
25	RS-484 480'-500'	1121	0.21	27	-0.01	38	3	0.04	9	65	23
26	RS-484 500'-520'	532	0.27	35	-0.01	311	3	0.04	4	52	20
27	RS-484 520'-540'	487	0.26	37	0.02	824	2	0.10	2	40	17
28	RS-484 540'-560'	51	0.26	33	0.02	1002	3	0.09	5	34	13
29	RS-484 560'-580'	275	0.25	31	0.03	710	3	0.05	3	42	16
30	RS-484 580'-600'	340	0.24	31	0.03	749	4	0.06	3	59	29
31	RS-484 600'-620'	17	0.25	32	0.03	597	5	0.05	4	31	46
32	RS-484 620'-640'	-10	0.25	31	0.03	368	2	0.05	2	38	12
33	RS-484 640'-660'	31	0.26	32	0.02	392	2	0.06	2	46	14

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:45 NO.709 04/10

100-00-97	Sample Designation	Antimony ICP ppm	Selenium ICP ppm	Strontium ICP ppm	Titanium ICP %	Thallium ICP ppm	Vanadium ICP ppm	Tungsten ICP ppm	Zinc ICP ppm
1	RS-484 0'-20'	-2	-5	19	0.02	-0.5	-2	2	56
2	RS-484 20'-40'	-2	-5	36	0.02	-0.5	-2	2	45
3	RS-484 40'-60'	-2	-5	50	-0.01	-0.5	-2	1	38
4	RS-484 60'-80'	-2	-5	30	-0.01	-0.5	-2	-1	36
5	RS-484 80'-100'	-2	-5	29	-0.01	-0.5	-2	-1	55
6	RS-484 100'-120'	2	-5	24	-0.01	-0.5	-2	1	82
7	RS-484 120'-140'	-2	-5	40	-0.01	-0.5	-2	2	64
8	RS-484 140'-160'	-2	-5	39	-0.01	-0.5	-2	1	48
9	RS-484 160'-180'	-2	-5	46	-0.01	-0.5	-2	2	80
10	RS-484 180'-200'	-2	-5	57	-0.01	-0.5	-2	2	131
11	RS-484 200'-220'	7	-5	52	-0.01	-0.5	-2	1	33
12	RS-484 220'-240'	10	-5	59	-0.01	-0.5	3	1	27
13	RS-484 240'-260'	9	5	40	-0.01	-0.5	3	1	29
14	RS-484 260'-280'	10	-5	25	-0.01	-0.5	-2	1	24
15	RS-484 280'-300'	5	-5	14	-0.01	-0.5	-2	1	16
16	RS-484 300'-320'	15	-5	10	-0.01	-0.5	-2	1	9
17	RS-484 320'-340'	10	-5	7	-0.01	-0.5	-2	1	9
18	RS-484 340'-360'	9	-5	5	-0.01	-0.5	-2	1	8
19	RS-484 360'-380'	12	-5	6	-0.01	-0.5	-2	2	14
20	RS-484 380'-400'	15	-5	5	-0.01	-0.5	-2	1	11
21	RS-484 400'-420'	17	-5	7	-0.01	-0.5	-2	-1	9
22	RS-484 420'-440'	11	6	9	-0.01	-0.5	-2	-1	10
23	RS-484 440'-460'	6	-5	6	-0.01	-0.5	-2	1	35
24	RS-484 460'-480'	5	-5	8	-0.01	-0.5	-2	1	52
25	RS-484 480'-500'	5	-5	8	-0.01	-0.5	-2	2	69
26	RS-484 500'-520'	2	-5	8	-0.01	-0.5	-2	1	60
27	RS-484 520'-540'	-2	-5	12	-0.01	-0.5	-2	2	133
28	RS-484 540'-560'	-2	-5	10	-0.01	-0.5	-2	2	121
29	RS-484 560'-580'	-2	-5	26	-0.01	-0.5	-2	1	75
30	RS-484 580'-600'	-2	-5	19	-0.01	-0.5	-2	2	81
31	RS-484 600'-620'	-2	-5	11	-0.01	-0.5	-2	2	70
32	RS-484 620'-640'	-2	-5	17	-0.01	-0.5	-2	2	68
33	RS-484 640'-660'	-2	-5	13	-0.01	-0.5	-2	2	72

CLIENT: Hecla Mining Company

JOB NO.: 100-00-97

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:46 NO.709 05/10

100-00-97	Sample Designation	Silver ICP ppm	Aluminum ICP %	Arsenic ICP ppm	Boron ICP ppm	Barium ICP ppm	Bismuth ICP ppm	Calcium ICP %	Cadmium ICP ppm	Cobalt ICP ppm	Chromium ICP ppm	Copper ICP ppm	Iron ICP %
34	RS-484 660'-680'	-0.1	0.29	3	7.6	12	-1	0.20	0.7	-1	27	8	1.60
35	RS-484 680'-700'	-0.1	0.27	2	7.2	10	-1	0.15	-0.5	-1	28	6	1.47
36	RS-484 700'-720'	-0.1	0.36	-2	7.7	17	-1	0.27	0.6	-1	28	6	1.67
37	RS-484 720'-740'	-0.1	0.26	-2	7.3	11	-1	0.36	0.7	-1	28	8	1.54
38	RS-484 740'-760'	-0.1	0.41	-2	7.1	12	-1	0.65	0.6	-1	23	5	1.83
39	RS-484 760'-780'	-0.1	0.42	-2	8.4	13	-1	0.47	0.6	-1	22	4	1.92
40	RS-484 780'-800'	-0.1	0.46	-2	8.3	21	-1	0.31	0.6	-1	15	5	1.92
41	RS-484 800'-820'	-0.1	0.41	-2	8.0	17	-1	0.97	0.6	-1	17	6	1.94
42	RS-484 820'-840'	-0.1	0.43	-2	7.8	17	-1	1.42	0.7	-1	13	9	1.87
43	RS-484 840'-860'	-0.1	0.28	11	8.6	16	-1	0.38	0.6	-1	13	7	2.08
44	RS-484 860'-880'	-0.1	0.32	8	9.0	23	-1	0.18	0.6	-1	13	5	2.08
45	RS-484 880'-900'	-0.1	0.38	15	8.2	15	-1	0.19	0.6	-1	23	14	1.98
46	RS-484 900'-920'	0.1	0.39	12	8.0	27	-1	0.70	0.6	-1	17	4	1.91
47	RS-484 920'-940'	-0.1	0.43	-2	7.4	16	-1	1.38	0.5	-1	15	7	1.79
48	RS-484 940'-960'	-0.1	0.42	2	6.2	14	-1	1.19	0.6	-1	17	4	1.56
49	RS-484 960'-980'	-0.1	0.30	-2	6.7	11	-1	1.06	-0.5	-1	13	9	1.57
50	RS-484 980'-1000'	-0.1	0.32	-2	7.3	11	-1	0.66	0.6	-1	18	7	1.61
51	RS-484 1000'-1020'	-0.1	0.28	-2	8.2	15	-1	0.51	0.7	-1	18	5	1.90
52	RS-484 1020'-1040'	-0.1	0.32	-2	8.4	11	-1	0.62	0.7	-1	19	8	1.90
53	RS-484 1040'-1060'	-0.1	0.35	-2	7.9	23	-1	0.75	0.7	-1	26	10	1.85
54	RS-484 1060'-1080'	-0.1	0.35	2	7.2	15	-1	0.71	0.8	-1	21	5	1.65
55	RS-484 1080'-1100'	-0.1	0.43	4	7.3	16	-1	0.49	1.1	-1	28	8	1.78
56	RS-484 1100'-1120'	-0.1	0.30	-2	6.2	11	-1	0.68	0.8	-1	18	6	1.49
57	RS-484 1120'-1140'	-0.1	0.36	-2	6.7	23	-1	0.74	0.8	-1	25	6	1.49
58	RS-484 1140'-1160'	-0.1	0.37	3	6.5	15	-1	0.50	0.8	-1	18	6	1.53
59	RS-484 1160'-1180'	-0.1	0.37	3	6.9	20	-1	0.51	0.7	-1	23	6	1.68
60	RS-484 1180'-1200'	-0.1	0.43	7	7.0	31	-1	0.70	0.7	-1	28	8	1.79
61	RS-484 1200'-1220'	-0.1	0.36	2	7.5	52	-1	0.52	0.8	-1	27	5	1.75
62	RS-484 1220'-1240'	-0.1	0.35	4	6.7	21	-1	0.47	0.7	-1	22	6	1.67
63	RS-484 1240'-1260'	-0.1	0.35	3	6.6	17	-1	0.48	0.7	-1	29	6	1.68
64	RS-484 1260'-1280'	-0.1	0.38	3	6.1	17	-1	0.79	0.6	-1	20	5	1.52
65	RS-484 1280'-1300'	0.4	0.37	14	5.9	13	-1	0.70	0.6	-1	28	5	1.54
66	RS-484 1300'-1320'	-0.1	0.44	5	6.0	38	-1	0.87	0.5	-1	17	5	1.52
67	RS-484 1320'-1340'	-0.1	0.42	6	6.7	15	-1	0.66	0.5	-1	16	6	1.57
68	RS-484 1340'-1360'	-0.1	0.39	3	6.4	20	-1	0.72	-0.5	-1	33	12	1.42
69	RS-484 1360'-1380'	-0.1	0.53	-2	8.7	16	-1	3.32	0.8	-1	19	7	2.34

CLIENT: Hecla Mining Company

JOB NO.: 100-00-97

100-00-97	Sample Designation	Mercury	Potassium	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorous	Lead
		AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
34	RS-484 660'-680'	11	0.26	31	0.02	949	3	0.05	2	36	16
35	RS-484 680'-700'	-10	0.24	31	0.02	745	2	0.06	1	27	13
36	RS-484 700'-720'	25	0.27	30	0.03	914	3	0.05	1	28	28
37	RS-484 720'-740'	25	0.26	31	0.02	1090	3	0.05	2	32	15
38	RS-484 740'-760'	34	0.29	33	0.03	718	1	0.05	2	34	16
39	RS-484 760'-780'	28	0.29	35	0.04	345	2	0.05	2	44	17
40	RS-484 780'-800'	34	0.31	37	0.04	237	2	0.05	3	38	14
41	RS-484 800'-820'	28	0.29	36	0.03	444	3	0.04	6	40	16
42	RS-484 820'-840'	31	0.33	37	0.03	366	4	0.04	7	39	20
43	RS-484 840'-860'	209	0.27	33	0.01	300	4	0.04	7	36	30
44	RS-484 860'-880'	306	0.26	32	0.01	440	2	0.05	3	35	31
45	RS-484 880'-900'	326	0.27	34	0.01	870	2	0.05	4	32	33
46	RS-484 900'-920'	507	0.34	38	0.02	1391	5	0.05	2	38	27
47	RS-484 920'-940'	221	0.37	37	0.03	1025	2	0.05	2	25	22
48	RS-484 940'-960'	164	0.39	37	0.03	442	2	0.06	2	39	18
49	RS-484 960'-980'	153	0.34	37	0.02	341	2	0.05	2	41	17
50	RS-484 980'-1000'	91	0.33	37	0.02	650	1	0.05	2	38	19
51	RS-484 1000'-1020'	59	0.30	37	0.02	581	2	0.05	1	37	41
52	RS-484 1020'-1040'	76	0.33	39	0.02	349	3	0.05	7	37	58
53	RS-484 1040'-1060'	91	0.37	41	0.02	373	5	0.07	10	50	58
54	RS-484 1060'-1080'	51	0.38	39	0.01	362	3	0.05	4	36	33
55	RS-484 1080'-1100'	74	0.41	40	0.01	373	3	0.08	3	46	34
56	RS-484 1100'-1120'	37	0.37	37	-0.01	290	1	0.06	1	34	22
57	RS-484 1120'-1140'	48	0.44	38	-0.01	372	2	0.05	2	37	26
58	RS-484 1140'-1160'	48	0.44	42	-0.01	349	3	0.06	2	44	23
59	RS-484 1160'-1180'	40	0.42	39	-0.01	400	3	0.05	2	42	32
60	RS-484 1180'-1200'	204	0.43	40	0.02	375	4	0.06	4	47	31
61	RS-484 1200'-1220'	40	0.42	40	-0.01	311	3	0.05	2	29	28
62	RS-484 1220'-1240'	31	0.43	40	-0.01	325	3	0.05	1	39	25
63	RS-484 1240'-1260'	62	0.42	39	-0.01	368	5	0.05	3	40	26
64	RS-484 1260'-1280'	40	0.45	42	-0.01	496	3	0.05	2	43	23
65	RS-484 1280'-1300'	25	0.45	42	-0.01	561	3	0.05	2	45	24
66	RS-484 1300'-1320'	25	0.47	43	0.01	516	3	0.05	2	41	30
67	RS-484 1320'-1340'	20	0.44	39	0.01	441	4	0.05	3	47	22
68	RS-484 1340'-1360'	42	0.48	40	-0.01	200	11	0.04	17	36	24
69	RS-484 1360'-1380'	17	0.63	37	0.02	528	4	0.03	11	48	28

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:46 NO.709 06/10

CLIENT: Hecla Mining Company

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:47 NO.709 07/10

100-00-97	Sample Designation	Antimony ICP ppm	Selenium ICP ppm	Strontium ICP ppm	Titanium ICP %	Thallium ICP ppm	Vanadium ICP ppm	Tungsten ICP ppm	Zinc ICP ppm
34	RS-484 660'-680'	-2	-5	13	-0.01	-0.5	-2	1	73
35	RS-484 680'-700'	-2	-5	9	-0.01	-0.5	-2	1	80
36	RS-484 700'-720'	-2	-5	16	-0.01	-0.5	-2	2	73
37	RS-484 720'-740'	-2	-5	18	-0.01	-0.5	-2	2	71
38	RS-484 740'-760'	-2	-5	27	-0.01	-0.5	-2	2	66
39	RS-484 760'-780'	-2	-5	26	-0.01	-0.5	-2	2	63
40	RS-484 780'-800'	-2	-5	23	-0.01	-0.5	-2	1	63
41	RS-484 800'-820'	-2	-5	42	-0.01	-0.5	-2	2	59
42	RS-484 820'-840'	-2	-5	52	-0.01	-0.5	-2	2	56
43	RS-484 840'-860'	-2	-5	22	-0.01	-0.5	-2	1	56
44	RS-484 860'-880'	-2	-5	17	-0.01	-0.5	-2	1	71
45	RS-484 880'-900'	2	-5	20	-0.01	-0.5	-2	2	73
46	RS-484 900'-920'	-2	-5	38	-0.01	-0.5	-2	2	66
47	RS-484 920'-940'	-2	-5	75	-0.01	-0.5	-2	1	62
48	RS-484 940'-960'	-2	-5	70	-0.01	-0.5	-2	2	72
49	RS-484 960'-980'	-2	-5	66	-0.01	-0.5	-2	2	67
50	RS-484 980'-1000'	-2	-5	50	-0.01	-0.5	-2	1	68
51	RS-484 1000'-1020'	-2	-5	45	0.01	-0.5	-2	2	70
52	RS-484 1020'-1040'	-2	-5	50	-0.01	-0.5	-2	1	74
53	RS-484 1040'-1060'	-2	-5	57	-0.01	-0.5	-2	2	95
54	RS-484 1060'-1080'	-2	-5	55	-0.01	-0.5	-2	2	73
55	RS-484 1080'-1100'	-2	-5	48	-0.01	-0.5	-2	2	106
56	RS-484 1100'-1120'	-2	-5	50	-0.01	-0.5	-2	1	73
57	RS-484 1120'-1140'	-2	-5	59	-0.01	-0.5	-2	1	64
58	RS-484 1140'-1160'	-2	-5	48	-0.01	-0.5	-2	1	77
59	RS-484 1160'-1180'	-2	-5	40	-0.01	-0.5	-2	1	70
60	RS-484 1180'-1200'	-2	-5	58	-0.01	-0.5	-2	1	83
61	RS-484 1200'-1220'	-2	-5	42	-0.01	-0.5	-2	-1	72
62	RS-484 1220'-1240'	-2	-5	33	-0.01	-0.5	-2	-1	73
63	RS-484 1240'-1260'	-2	-5	31	-0.01	-0.5	-2	1	65
64	RS-484 1260'-1280'	-2	-5	42	-0.01	-0.5	-2	-1	61
65	RS-484 1280'-1300'	-2	-5	40	-0.01	-0.5	-2	1	64
66	RS-484 1300'-1320'	-2	-5	47	-0.01	-0.5	-2	1	68
67	RS-484 1320'-1340'	-2	-5	37	-0.01	-0.5	-2	1	67
68	RS-484 1340'-1360'	-2	-5	39	-0.01	-0.5	-2	-1	53
69	RS-484 1360'-1380'	-2	-5	152	-0.01	-0.5	-2	2	39

CLIENT: Hecla Mining Company

100-00-97	Sample Designation	Silver	Aluminum	Arsenic	Boron	Barium	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron
		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	70 RS-484 1380'-1400'	-0.1	0.34	2	6.8	11	-1	1.25	-0.5	-1	26	11	1.56

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:48 NO.709 08/10

CLIENT: Hecla Mining Company

JOB NO.: 100-00-97

100-00-97	Sample Designation	Mercury	Potassium	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorous	Lead
		AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
70	RS-484 1380'-1400'	14	0.44	42	-0.01	502	8	0.01	19	47	27

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:48 NO.709 09/10

Tuesday, February 08, 2000

CLIENT: Hecla Mining Company

JOB NO.: 100-00-97

100-00-97	Sample Designation	Antimony ICP ppm	Selenium ICP ppm	Strontium ICP ppm	Titanium ICP %	Thallium ICP ppm	Vanadium ICP ppm	Tungsten ICP ppm	Zinc ICP ppm
70	RS-484 1380'-1400'	-2	-5	51	-0.01	-0.5	-2	-1	19

ROCKY MOUNTAIN GEO 7753592944 02/09 '00 08:48 NO.709 10/10

Tuesday, February 08, 2000

By Doug Hem

INSPECTORATE

ROCKY MOUNTAIN GEOCHEMICAL

A MEMBER OF THE INSPECTORATE GROUP OF COMPANIES

840 GREG STREET • SPARKS, NEVADA 89431 • PHONE (775) 359-6311 • FAX (775) 359-2944

Certificate of Analysis

DATE: Monday, February 07, 2000

JOB NO: 100-00-97

CLIENT: Hecla (Rosebud Mine)
P.O. Box 2610
Winnemucca, NV 89446 US

INVOICE NO: 33100485

CLIENT ORDER NO: RS-484

REPORT ON: 70 20 ft. Composites

SUBMITTED BY: Kurt Allen

DATE RECIEVED: Monday, January 10, 2000

ANALYSES: ICP30

ANALYTICAL METHODS: AA, ICP

REMARKS:

CC: RMG File

E-MAILED TO:

Friday, February 11, 2000

100-00-97	Sample Designation	Silver	Aluminum	Arsenic	Boron	Barium	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron
		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
1	RS-484 0'-20'	-0.1	0.44	4	8.8	367	-1	0.12	0.7	-1	14	3	1.91
2	RS-484 20'-40'	-0.1	0.67	3	9.3	154	-1	0.09	0.6	-1	7	10	2.07
3	RS-484 40'-60'	-0.1	0.80	-2	7.1	180	-1	0.35	0.6	-1	6	6	1.66
4	RS-484 60'-80'	-0.1	0.75	-2	6.5	75	-1	0.47	-0.5	-1	4	4	1.44
5	RS-484 80'-100'	-0.1	0.69	-2	6.2	96	-1	0.64	1.0	-1	2	4	1.51
6	RS-484 100'-120'	-0.1	0.73	2	7.5	247	-1	0.52	1.4	-1	3	4	1.90
7	RS-484 120'-140'	0.1	0.50	-2	7.8	389	-1	1.72	2.0	-1	1	4	2.03
8	RS-484 140'-160'	-0.1	0.67	-2	9.6	263	-1	1.52	1.3	-1	1	3	2.62
9	RS-484 160'-180'	0.2	0.85	-2	10.1	147	-1	2.17	1.2	-1	3	3	2.78
10	RS-484 180'-200'	-0.1	0.66	-2	9.1	59	-1	0.39	1.6	-1	7	3	2.27
11	RS-484 200'-220'	-0.1	0.58	18	8.8	73	-1	0.11	0.7	-1	36	7	2.27
12	RS-484 220'-240'	-0.1	0.79	24	10.8	59	-1	0.11	0.9	-1	44	9	2.76
13	RS-484 240'-260'	-0.1	0.66	18	10.8	141	-1	0.12	0.7	-1	36	12	2.76
14	RS-484 260'-280'	-0.1	0.56	22	9.1	145	-1	0.09	0.8	-1	32	8	2.28
15	RS-484 280'-300'	-0.1	0.63	28	9.4	90	-1	0.08	0.7	-1	49	8	2.32
16	RS-484 300'-320'	-0.1	0.40	79	9.1	70	-1	0.05	-0.5	-1	27	6	1.94
17	RS-484 320'-340'	-0.1	0.39	78	8.4	70	-1	0.05	0.6	-1	36	8	1.90
18	RS-484 340'-360'	0.4	0.31	58	7.1	46	-1	0.03	-0.5	-1	28	7	1.71
19	RS-484 360'-380'	0.3	0.54	76	11.7	61	-1	0.04	0.8	-1	51	8	2.66
20	RS-484 380'-400'	0.1	0.46	99	10.6	77	-1	0.03	0.6	-1	31	6	2.37
21	RS-484 400'-420'	2.5	0.76	109	7.8	237	2	0.04	0.6	-1	28	5	1.91
22	RS-484 420'-440'	0.4	0.44	52	6.6	174	-1	0.04	0.5	-1	18	7	1.54
23	RS-484 440'-460'	-0.1	0.37	22	6.8	82	-1	0.03	-0.5	-1	17	8	1.35
24	RS-484 460'-480'	-0.1	0.47	19	7.5	114	-1	0.04	0.6	11	27	6	1.51
25	RS-484 480'-500'	0.3	0.51	37	9.8	80	-1	0.03	1.0	14	33	6	2.49
26	RS-484 500'-520'	-0.1	0.46	18	7.0	43	-1	0.08	0.7	3	19	5	1.54
27	RS-484 520'-540'	-0.1	0.35	5	8.1	34	-1	0.17	0.8	3	15	3	1.92
28	RS-484 540'-560'	-0.1	0.35	-2	8.9	16	-1	0.22	0.7	1	24	6	1.99
29	RS-484 560'-580'	-0.1	0.45	4	7.6	32	-1	0.64	0.7	-1	28	6	1.89
30	RS-484 580'-600'	-0.1	0.34	11	9.3	25	-1	0.24	0.8	-1	34	8	2.15
31	RS-484 600'-620'	-0.1	0.31	5	8.5	28	-1	0.19	0.6	-1	29	6	2.00
32	RS-484 620'-640'	-0.1	0.36	4	8.2	13	-1	0.42	0.7	-1	31	5	1.82
33	RS-484 640'-660'	-0.1	0.27	-2	7.4	12	-1	0.26	0.6	-1	26	6	1.58

100-00-97	Sample Designation	Mercury	Potassium	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorous	Lead
		AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
1	RS-484 0'-20'	28	0.21	12	0.03	32	-1	0.04	2	149	47
2	RS-484 20'-40'	11	0.23	15	0.02	52	-1	0.03	-1	148	78
3	RS-484 40'-60'	34	0.22	18	0.05	32	-1	0.02	-1	100	38
4	RS-484 60'-80'	65	0.21	19	0.06	29	-1	0.02	-1	138	26
5	RS-484 80'-100'	48	0.21	18	0.06	609	-1	0.04	-1	136	24
6	RS-484 100'-120'	88	0.28	21	0.05	617	-1	0.06	-1	48	26
7	RS-484 120'-140'	340	0.21	21	0.05	556	-1	0.05	1	283	36
8	RS-484 140'-160'	504	0.23	16	0.07	792	-1	0.03	-1	299	26
9	RS-484 160'-180'	810	0.29	18	0.07	1078	-1	0.06	1	258	30
10	RS-484 180'-200'	379	0.24	17	0.04	375	-1	0.09	1	191	23
11	RS-484 200'-220'	464	0.20	19	-0.01	95	1	0.02	6	92	21
12	RS-484 220'-240'	940	0.20	12	-0.01	78	2	-0.01	7	205	52
13	RS-484 240'-260'	606	0.21	16	0.01	58	2	0.01	8	146	52
14	RS-484 260'-280'	1430	0.20	16	-0.01	65	4	-0.01	9	94	40
15	RS-484 280'-300'	1373	0.19	20	-0.01	49	4	-0.01	9	59	28
16	RS-484 300'-320'	1472	0.22	18	-0.01	30	4	-0.01	7	27	21
17	RS-484 320'-340'	1656	0.21	16	-0.01	32	7	-0.01	11	16	25
18	RS-484 340'-360'	2604	0.30	16	-0.01	25	9	-0.01	7	20	16
19	RS-484 360'-380'	2817	0.38	17	-0.01	31	9	-0.01	7	26	20
20	RS-484 380'-400'	1529	0.26	17	-0.01	19	17	-0.01	4	33	18
21	RS-484 400'-420'	7983	0.17	17	-0.01	20	19	-0.01	5	25	13
22	RS-484 420'-440'	4189	0.19	23	-0.01	18	4	-0.01	3	32	21
23	RS-484 440'-460'	3284	0.22	28	-0.01	20	3	0.02	6	31	20
24	RS-484 460'-480'	1656	0.21	26	-0.01	31	3	0.04	5	60	18
25	RS-484 480'-500'	1121	0.21	27	-0.01	38	3	0.04	9	65	23
26	RS-484 500'-520'	532	0.27	35	-0.01	311	3	0.04	4	52	20
27	RS-484 520'-540'	487	0.26	37	0.02	824	2	0.10	2	40	17
28	RS-484 540'-560'	51	0.26	33	0.02	1002	3	0.09	5	34	13
29	RS-484 560'-580'	275	0.25	31	0.03	710	3	0.05	3	42	16
30	RS-484 580'-600'	340	0.24	31	0.03	749	4	0.06	3	59	29
31	RS-484 600'-620'	17	0.25	32	0.03	597	5	0.05	4	31	46
32	RS-484 620'-640'	-10	0.25	31	0.03	368	2	0.05	2	38	12
33	RS-484 640'-660'	31	0.26	32	0.02	392	2	0.06	2	46	14

100-00-97	Sample Designation	Antimony ICP ppm	Selenium ICP ppm	Strontium ICP ppm	Titanium ICP %	Thallium ICP ppm	Vanadium ICP ppm	Tungsten ICP ppm	Zinc ICP ppm
1	RS-484 0'-20'	-2	-5	19	0.02	-0.5	-2	2	56
2	RS-484 20'-40'	-2	-5	36	0.02	-0.5	-2	2	45
3	RS-484 40'-60'	-2	-5	50	-0.01	-0.5	-2	1	38
4	RS-484 60'-80'	-2	-5	30	-0.01	-0.5	-2	-1	36
5	RS-484 80'-100'	-2	-5	29	-0.01	-0.5	-2	-1	55
6	RS-484 100'-120'	2	-5	24	-0.01	-0.5	-2	1	82
7	RS-484 120'-140'	-2	-5	40	-0.01	-0.5	-2	2	64
8	RS-484 140'-160'	-2	-5	39	-0.01	-0.5	-2	1	48
9	RS-484 160'-180'	-2	-5	46	-0.01	-0.5	-2	2	80
10	RS-484 180'-200'	-2	-5	57	-0.01	-0.5	-2	2	131
11	RS-484 200'-220'	7	-5	52	-0.01	-0.5	-2	1	33
12	RS-484 220'-240'	10	-5	59	-0.01	-0.5	3	1	27
13	RS-484 240'-260'	9	5	40	-0.01	-0.5	3	1	29
14	RS-484 260'-280'	10	-5	25	-0.01	-0.5	-2	1	24
15	RS-484 280'-300'	5	-5	14	-0.01	-0.5	-2	1	16
16	RS-484 300'-320'	15	-5	10	-0.01	-0.5	-2	1	9
17	RS-484 320'-340'	10	-5	7	-0.01	-0.5	-2	1	9
18	RS-484 340'-360'	9	-5	5	-0.01	-0.5	-2	1	8
19	RS-484 360'-380'	12	-5	6	-0.01	-0.5	-2	2	14
20	RS-484 380'-400'	15	-5	5	-0.01	-0.5	-2	1	11
21	RS-484 400'-420'	17	-5	7	-0.01	-0.5	-2	-1	9
22	RS-484 420'-440'	11	6	9	-0.01	-0.5	-2	-1	10
23	RS-484 440'-460'	6	-5	6	-0.01	-0.5	-2	1	35
24	RS-484 460'-480'	5	-5	8	-0.01	-0.5	-2	1	52
25	RS-484 480'-500'	5	-5	8	-0.01	-0.5	-2	2	69
26	RS-484 500'-520'	2	-5	8	-0.01	-0.5	-2	1	60
27	RS-484 520'-540'	-2	-5	12	-0.01	-0.5	-2	2	133
28	RS-484 540'-560'	-2	-5	10	-0.01	-0.5	-2	2	121
29	RS-484 560'-580'	-2	-5	26	-0.01	-0.5	-2	1	75
30	RS-484 580'-600'	-2	-5	19	-0.01	-0.5	-2	2	81
31	RS-484 600'-620'	-2	-5	11	-0.01	-0.5	-2	2	70
32	RS-484 620'-640'	-2	-5	17	-0.01	-0.5	-2	2	68
33	RS-484 640'-660'	-2	-5	13	-0.01	-0.5	-2	2	72

CLIENT: Hecla (Rosebud Mine)

JOB NO.: 100-00-97

100-00-97	Sample Designation	Silver	Aluminum	Arsenic	Boron	Barium	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron
		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
34	RS-484 660'-680'	-0.1	0.29	3	7.6	12	-1	0.20	0.7	-1	27	8	1.60
35	RS-484 680'-700'	-0.1	0.27	2	7.2	10	-1	0.15	-0.5	-1	28	6	1.47
36	RS-484 700'-720'	-0.1	0.36	-2	7.7	17	-1	0.27	0.6	-1	28	6	1.67
37	RS-484 720'-740'	-0.1	0.26	-2	7.3	11	-1	0.36	0.7	-1	28	8	1.54
38	RS-484 740'-760'	-0.1	0.41	-2	7.1	12	-1	0.65	0.6	-1	23	5	1.83
39	RS-484 760'-780'	-0.1	0.42	-2	8.4	13	-1	0.47	0.6	-1	22	4	1.92
40	RS-484 780'-800'	-0.1	0.46	-2	8.3	21	-1	0.31	0.6	-1	15	5	1.92
41	RS-484 800'-820'	-0.1	0.41	-2	8.0	17	-1	0.97	0.6	-1	17	6	1.94
42	RS-484 820'-840'	-0.1	0.43	-2	7.8	17	-1	1.42	0.7	-1	13	9	1.87
43	RS-484 840'-860'	-0.1	0.28	11	8.6	16	-1	0.38	0.6	-1	13	7	2.08
44	RS-484 860'-880'	-0.1	0.32	8	9.0	23	-1	0.18	0.6	-1	13	5	2.08
45	RS-484 880'-900'	-0.1	0.38	15	8.2	15	-1	0.19	0.6	-1	23	14	1.98
46	RS-484 900'-920'	0.1	0.39	12	8.0	27	-1	0.70	0.6	-1	17	4	1.91
47	RS-484 920'-940'	-0.1	0.43	-2	7.4	16	-1	1.38	0.5	-1	15	7	1.79
48	RS-484 940'-960'	-0.1	0.42	2	6.2	14	-1	1.19	0.6	-1	17	4	1.56
49	RS-484 960'-980'	-0.1	0.30	-2	6.7	11	-1	1.06	-0.5	-1	13	9	1.57
50	RS-484 980'-1000'	-0.1	0.32	-2	7.3	11	-1	0.66	0.6	-1	18	7	1.61
51	RS-484 1000'-1020'	-0.1	0.28	-2	8.2	15	-1	0.51	0.7	-1	18	5	1.90
52	RS-484 1020'-1040'	-0.1	0.32	-2	8.4	11	-1	0.62	0.7	-1	19	8	1.90
53	RS-484 1040'-1060'	-0.1	0.35	-2	7.9	23	-1	0.75	0.7	-1	26	10	1.85
54	RS-484 1060'-1080'	-0.1	0.35	2	7.2	15	-1	0.71	0.8	-1	21	5	1.65
55	RS-484 1080'-1100'	-0.1	0.43	4	7.3	16	-1	0.49	1.1	-1	28	8	1.78
56	RS-484 1100'-1120'	-0.1	0.30	-2	6.2	11	-1	0.68	0.8	-1	18	6	1.49
57	RS-484 1120'-1140'	-0.1	0.36	-2	6.7	23	-1	0.74	0.8	-1	25	6	1.49
58	RS-484 1140'-1160'	-0.1	0.37	3	6.5	15	-1	0.50	0.8	-1	18	6	1.53
59	RS-484 1160'-1180'	-0.1	0.37	3	6.9	20	-1	0.51	0.7	-1	23	6	1.68
60	RS-484 1180'-1200'	-0.1	0.43	7	7.0	31	-1	0.70	0.7	-1	28	8	1.79
61	RS-484 1200'-1220'	-0.1	0.36	2	7.5	52	-1	0.52	0.8	-1	27	5	1.75
62	RS-484 1220'-1240'	-0.1	0.35	4	6.7	21	-1	0.47	0.7	-1	22	6	1.67
63	RS-484 1240'-1260'	-0.1	0.35	3	6.6	17	-1	0.48	0.7	-1	29	6	1.68
64	RS-484 1260'-1280'	-0.1	0.38	3	6.1	17	-1	0.79	0.6	-1	20	5	1.52
65	RS-484 1280'-1300'	0.4	0.37	14	5.9	13	-1	0.70	0.6	-1	28	5	1.54
66	RS-484 1300'-1320'	-0.1	0.44	5	6.0	38	-1	0.87	0.5	-1	17	5	1.52
67	RS-484 1320'-1340'	-0.1	0.42	6	6.7	15	-1	0.66	0.5	-1	16	6	1.57
68	RS-484 1340'-1360'	-0.1	0.39	3	6.4	20	-1	0.72	-0.5	-1	33	12	1.42
69	RS-484 1360'-1380'	-0.1	0.53	-2	8.7	16	-1	3.32	0.8	-1	19	7	2.34

CLIENT: Hecla (Rosebud Mine)

JOB NO.: 100-00-97

100-00-97	Sample Designation	Mercury	Potassium	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorous	Lead
		AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
34	RS-484 660'-680'	11	0.26	31	0.02	949	3	0.05	2	36	16
35	RS-484 680'-700'	-10	0.24	31	0.02	745	2	0.06	1	27	13
36	RS-484 700'-720'	25	0.27	30	0.03	914	3	0.05	1	28	28
37	RS-484 720'-740'	25	0.26	31	0.02	1090	3	0.05	2	32	15
38	RS-484 740'-760'	34	0.29	33	0.03	718	1	0.05	2	34	16
39	RS-484 760'-780'	28	0.29	35	0.04	345	2	0.05	2	44	17
40	RS-484 780'-800'	34	0.31	37	0.04	237	2	0.05	3	38	14
41	RS-484 800'-820'	28	0.29	36	0.03	444	3	0.04	6	40	16
42	RS-484 820'-840'	31	0.33	37	0.03	366	4	0.04	7	39	20
43	RS-484 840'-860'	209	0.27	33	0.01	300	4	0.04	7	36	30
44	RS-484 860'-880'	306	0.26	32	0.01	440	2	0.05	3	35	31
45	RS-484 880'-900'	326	0.27	34	0.01	870	2	0.05	4	32	33
46	RS-484 900'-920'	507	0.34	38	0.02	1391	5	0.05	2	38	27
47	RS-484 920'-940'	221	0.37	37	0.03	1025	2	0.05	2	25	22
48	RS-484 940'-960'	164	0.39	37	0.03	442	2	0.06	2	39	18
49	RS-484 960'-980'	153	0.34	37	0.02	341	2	0.05	2	41	17
50	RS-484 980'-1000'	91	0.33	37	0.02	650	1	0.05	2	38	19
51	RS-484 1000'-1020'	59	0.30	37	0.02	581	2	0.05	1	37	41
52	RS-484 1020'-1040'	76	0.33	39	0.02	349	3	0.05	7	37	58
53	RS-484 1040'-1060'	91	0.37	41	0.02	373	5	0.07	10	50	58
54	RS-484 1060'-1080'	51	0.38	39	0.01	362	3	0.05	4	36	33
55	RS-484 1080'-1100'	74	0.41	40	0.01	373	3	0.08	3	46	34
56	RS-484 1100'-1120'	37	0.37	37	-0.01	290	1	0.06	1	34	22
57	RS-484 1120'-1140'	48	0.44	38	-0.01	372	2	0.05	2	37	26
58	RS-484 1140'-1160'	48	0.44	42	-0.01	349	3	0.06	2	44	23
59	RS-484 1160'-1180'	40	0.42	39	-0.01	400	3	0.05	2	42	32
60	RS-484 1180'-1200'	204	0.43	40	0.02	375	4	0.06	4	47	31
61	RS-484 1200'-1220'	40	0.42	40	-0.01	311	3	0.05	2	29	28
62	RS-484 1220'-1240'	31	0.43	40	-0.01	325	3	0.05	1	39	25
63	RS-484 1240'-1260'	62	0.42	39	-0.01	368	5	0.05	3	40	26
64	RS-484 1260'-1280'	40	0.45	42	-0.01	496	3	0.05	2	43	23
65	RS-484 1280'-1300'	25	0.45	42	-0.01	561	3	0.05	2	45	24
66	RS-484 1300'-1320'	25	0.47	43	0.01	516	3	0.05	2	41	30
67	RS-484 1320'-1340'	20	0.44	39	0.01	441	4	0.05	3	47	22
68	RS-484 1340'-1360'	42	0.48	40	-0.01	200	11	0.04	17	36	24
69	RS-484 1360'-1380'	17	0.63	37	0.02	528	4	0.03	11	48	28

CLIENT: Hecla (Rosebud Mine)

100-00-97	Sample Designation	Antimony ICP ppm	Selenium ICP ppm	Strontium ICP ppm	Titanium ICP %	Thallium ICP ppm	Vanadium ICP ppm	Tungsten ICP ppm	Zinc ICP ppm
34	RS-484 660'-680'	-2	-5	13	-0.01	-0.5	-2	1	73
35	RS-484 680'-700'	-2	-5	9	-0.01	-0.5	-2	1	80
36	RS-484 700'-720'	-2	-5	16	-0.01	-0.5	-2	2	73
37	RS-484 720'-740'	-2	-5	18	-0.01	-0.5	-2	2	71
38	RS-484 740'-760'	-2	-5	27	-0.01	-0.5	-2	2	66
39	RS-484 760'-780'	-2	-5	26	-0.01	-0.5	-2	2	63
40	RS-484 780'-800'	-2	-5	23	-0.01	-0.5	-2	1	63
41	RS-484 800'-820'	-2	-5	42	-0.01	-0.5	-2	2	59
42	RS-484 820'-840'	-2	-5	52	-0.01	-0.5	-2	2	56
43	RS-484 840'-860'	-2	-5	22	-0.01	-0.5	-2	1	56
44	RS-484 860'-880'	-2	-5	17	-0.01	-0.5	-2	1	71
45	RS-484 880'-900'	2	-5	20	-0.01	-0.5	-2	2	73
46	RS-484 900'-920'	-2	-5	38	-0.01	-0.5	-2	2	66
47	RS-484 920'-940'	-2	-5	75	-0.01	-0.5	-2	1	62
48	RS-484 940'-960'	-2	-5	70	-0.01	-0.5	-2	2	72
49	RS-484 960'-980'	-2	-5	66	-0.01	-0.5	-2	2	67
50	RS-484 980'-1000'	-2	-5	50	-0.01	-0.5	-2	1	68
51	RS-484 1000'-1020'	-2	-5	45	0.01	-0.5	-2	2	70
52	RS-484 1020'-1040'	-2	-5	50	-0.01	-0.5	-2	1	74
53	RS-484 1040'-1060'	-2	-5	57	-0.01	-0.5	-2	2	95
54	RS-484 1060'-1080'	-2	-5	55	-0.01	-0.5	-2	2	73
55	RS-484 1080'-1100'	-2	-5	48	-0.01	-0.5	-2	2	106
56	RS-484 1100'-1120'	-2	-5	50	-0.01	-0.5	-2	1	73
57	RS-484 1120'-1140'	-2	-5	59	-0.01	-0.5	-2	1	64
58	RS-484 1140'-1160'	-2	-5	48	-0.01	-0.5	-2	1	77
59	RS-484 1160'-1180'	-2	-5	40	-0.01	-0.5	-2	1	70
60	RS-484 1180'-1200'	-2	-5	58	-0.01	-0.5	-2	1	83
61	RS-484 1200'-1220'	-2	-5	42	-0.01	-0.5	-2	-1	72
62	RS-484 1220'-1240'	-2	-5	33	-0.01	-0.5	-2	-1	73
63	RS-484 1240'-1260'	-2	-5	31	-0.01	-0.5	-2	1	65
64	RS-484 1260'-1280'	-2	-5	42	-0.01	-0.5	-2	-1	61
65	RS-484 1280'-1300'	-2	-5	40	-0.01	-0.5	-2	1	64
66	RS-484 1300'-1320'	-2	-5	47	-0.01	-0.5	-2	1	68
67	RS-484 1320'-1340'	-2	-5	37	-0.01	-0.5	-2	1	67
68	RS-484 1340'-1360'	-2	-5	39	-0.01	-0.5	-2	-1	53
69	RS-484 1360'-1380'	-2	-5	152	-0.01	-0.5	-2	2	39

CLIENT: Hecla (Rosebud Mine)

JOB NO.: 100-00-97

100-00-97	Sample Designation	Silver	Aluminum	Arsenic	Boron	Barium	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron
		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
70	RS-484 1380'-1400'	-0.1	0.34	2	6.8	11	-1	1.25	-0.5	-1	26	11	1.56

CLIENT: Hecla (Rosebud Mine)

JOB NO.: 100-00-97

100-00-97	Sample Designation	Mercury	Potassium	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorous	Lead
		AA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
70	RS-484 1380'-1400'	14	0.44	42	-0.01	502	8	0.01	19	47	27

Friday, February 11, 2000

CLIENT: Hecla (Rosebud Mine)

100-00-97	Sample Designation	Antimony	Selenium	Strontium	Titanium	Thallium	Vanadium	Tungsten	Zinc
		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
70	RS-484 1380'-1400'	-2	-5	51	-0.01	-0.5	-2	-1	19

Friday, February 11, 2000

By Doug H

INSPECTORATE

ROCKY MOUNTAIN GEOCHEMICAL

A MEMBER OF THE INSPECTORATE GROUP OF COMPANIES
840 GREG STREET • SPARKS, NEVADA 89431 • PHONE (775) 359-6311 • FAX (775) 359-2944

Kurt Allen
Hecla (Rosebud Mine)
P.O. Box 2610
Winnemucca, NV 89446 US

Invoice No: 33100485
Invoice Date: 2/8/00
JobNo: 100-00-97
Account No: 00007292

Client PO:

INVOICE

Terms: Net 30 days

Item Description	Qty	Unit Price	Amount
Pulp	280		
Composite	280	$0.70	$196.00
30 Element ICP Pkg.	70	$10.93	$765.10

PLEASE REMIT TO:

Inspectorate America Corp.
P.O. Box 201901
Houston, TX 77216-1901

Sub Total:	**$961.10**
Discount: (0.00%)	**$0.00**
Discounted Total:	**$961.10**
Add'l Discount: (0.00%)	**$0.00**
Final Total:	**$961.10**

PAID