(69)
ITEM 11

# 1997 EXPLORATION PROGRAM
# EAST CANYON AND CRYSTAL CAVE PROSPECTS
# NORTHERN PILOT RANGE

Elko County, Nevada and Box Elder County, Utah

for

**LEXAM EXPLORATIONS (U.S.A.) INC.**

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by

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February 26, 1998

## TABLE OF CONTENTS

## LIST OF ILLUSTRATIONS

## SUMMARY

The East Canyon and Crystal Cave prospects are located in the northern Pilot Range of northeastern Elko County, Nevada and northwestern Box Elder County, Utah. Sampling and prospecting in 1995 and 1996 identified East Canyon and Crystal Cave areas for additional gold exploration. Exploration by Lexam in 1997 consisted of surface rock sampling, detailed geologic mapping, and ground magnetic surveying.

The East Canyon area has very high values of Au-Bi-Cu mineralization in quartz veins and calc-silicate skarn occurrences. At East Canyon, 20 rock samples from surface prospects and outcrops contain over 0.03 opt Au with a high of 0.587 opt Au. The host rocks containing the anomalous values are the Garden City limestone and a Devonian, thick-bedded dolomite/dolomitic marble that is in fault contact with a Tertiary quartz monzonite. Exploration in 1997 has failed to delineate a drill target that has a significant tonnage potential.

North of Crystal Cave, a small outcrop of sheared siltstone in the Chainman-Diamond Peak Formation produced a rock sample containing 0.255 opt Au. However, the best gold value of 12 follow-up rock samples was only 0.014 opt. The area has limited potential because the area of anomalous mineralization is small and the rocks lack significant alteration.

Additional exploration for precious metals at Crystal Cave and East Canyon is not warranted at this time. Although the gold values are as high as 0.587 opt, the targets identified in 1997 are small and limited in areal extent. If and when a better understanding of the post-mineral faulting in the Pilot Range is achieved, new exploration targets can be formulated.

## INTRODUCTION

This report describes Lexam's gold exploration activities for 1997 in the Pilot Range Recon area at East Canyon and Crystal Cave. The area is located in the Pilot Range that straddles the Utah-Nevada border, in northeastern Elko County, Nevada and northwestern Box Elder County, Utah (Figure 1 and Plate 1). Lexam Explorations holds various fee mineral rights in the area and staked 36 claims at East Canyon in early 1997 (Limbach, 1997). Based on exploration results obtained through mid-1997, the claims at East Canyon were dropped at the end of August, 1997.

Limbach (1996 and 1997) discusses previous exploration efforts in the northern Pilot Range. Exploration by Lexam in 1997 consisted of surface rock sampling, detailed geologic mapping, and ground magnetic surveying. Fred Limbach completed the geologic mapping and the rock sampling and Kenco Minerals conducted a ground magnetic survey. Chemex Labs analyzed all rock samples for Au and 32 other elements (Appendix A). Fifty-four rock samples were collected from the area: 22 rocks at East Canyon: 23 rocks at Crystal Cave; and 9 rocks in the Pilot Range north and east of Crystal Cave (Plate 1 and Appendix A).

## EAST CANYON AREA

### Geology

Limbach (1996) discussed the geology and geologic publications on the Pilot Range. The geology of the East Canyon area is shown on Plate 2. The geology is modified from the published data of Miller and Schneyer (1985). For a complete description of the units, refer to their map and article and to the report by Doelling (1980).

The geology at East Canyon depicted on Plate 2 is significantly more complex than that shown by Miller and Schneyer (1985). Mapped sedimentary units include the Ordovician Garden City limestone, Ordovician Eureka quartzite, Ordovician Ely Springs dolomite, and Devonian-Silurian dolomite. Low-angle faulting has displaced these lower Paleozoic carbonate rocks over a Tertiary quartz monzonite. Dikes of quartz monzonite, rhyolite, and diabase intrude the Paleozoic sediments.

Calc-silicate minerals and marble have been produced in the Garden City limestone and the Devonian-Silurian dolomite due to contact metamorphism from the quartz monzonite intrusive. The calc-silicate minerals consist of fine-grained pink garnet and light-green pyroxene minerals. Bleaching and re-crystallization characterized the marble zone that has an erratic distribution in plan view (Plate 2). There are no visible indications of metamorphism in the Ely Springs dolomite or the Eureka quartzite.

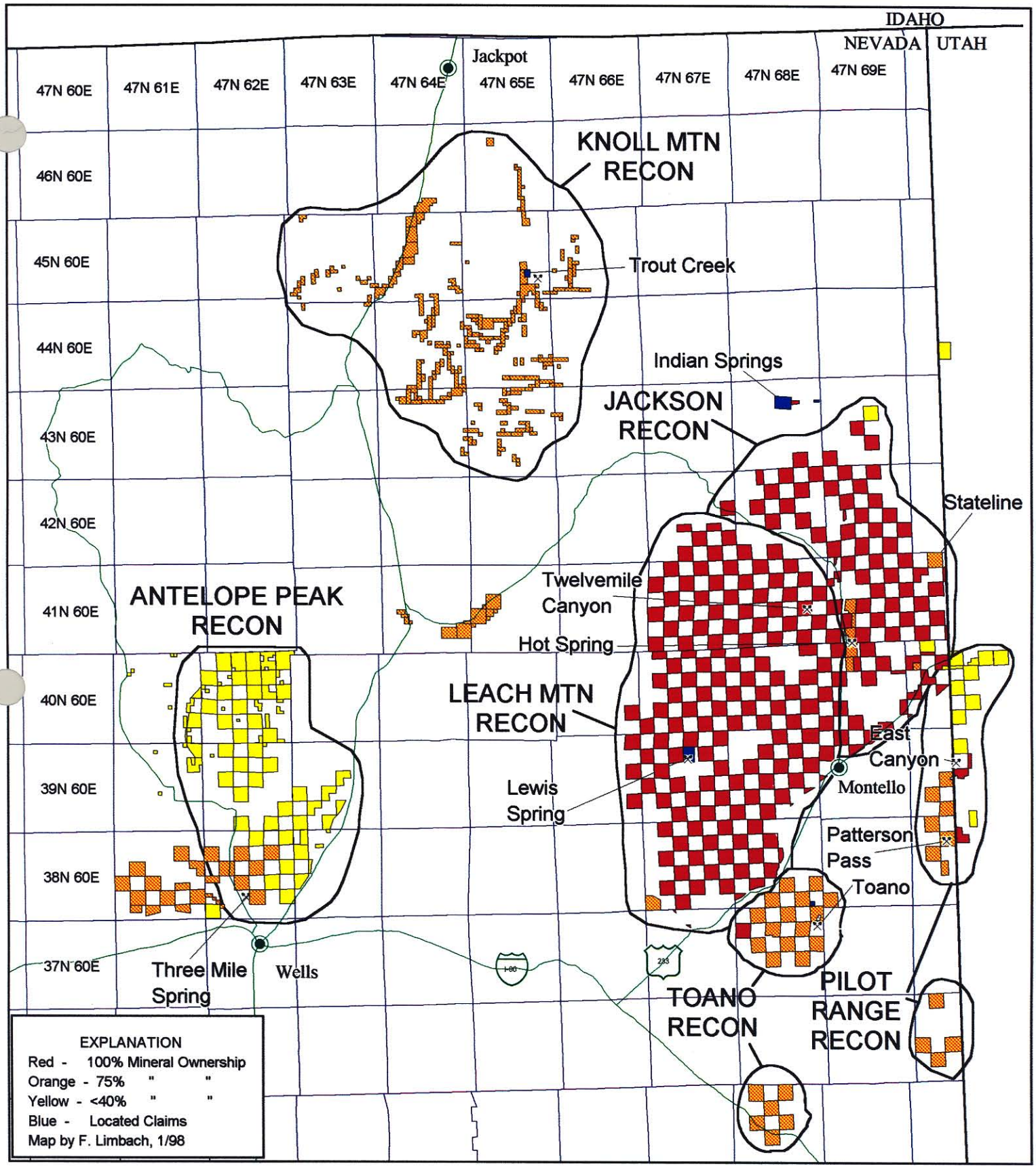


Figure 1

LEXAM EXPLORATIONS (U.S.A.) INC.
Nevada Gold Project
Property Location Map

## Surface Geochemistry and Mineralization

Rock samples on the north and south sides of East Canyon along the Nevada-Utah border contain very high values of Au-Ag-As-Sb-Cu-Bi (Plate 3). Although numerous prospects dating from the late 1800's to early 1900's are present along East Canyon, there has been no metal production from this area. The prospects consist of shallow pits and short adits. The mineralized materials, which contain up to 0.587 opt Au, occur as narrow quartz veins and weak calc-silicate skarns that cut limey or dolomitic marble adjacent to the quartz monzonite intrusive. The strike and dip of the veins is quite variable as shown on Plate 2. In addition to the high Au values, rocks from the area contain up to 100 ppm Ag, >10,000 ppm As, 984 ppm Sb, >10,000 Cu, and 3,170 ppm Bi.

The prospects and anomalous rock samples occur along the ridges north and south of East Canyon. Outcrop exposure along East Canyon is excellent with only several feet of soil development. Limbach (1997) describes the soil geochemistry of the area. There is no widespread gold-in-soil anomaly. Only two of the soil samples contain greater than 40 ppb Au. The soil sample results support the concept that gold mineralization is concentrated along narrow veins or skarn horizons.

## Ground Magnetics

During June 1997, Ken Sweet of Kenco Minerals completed a ground magnetic survey of the East Canyon area (Plate 4 and Appendix B). The magnetic response has more than 1,500 nT of relief. The responses are very shallow and represent the presence of outcrop. The highest magnetic values appear to be due to the diabase intrusives (Referred to as diorite in Appendix B). Ken Sweet discusses several of the prominent magnetic features and concludes that there is not a strong correlation between known surface gold mineralization and magnetic features.

# CRYSTAL CAVE AREA

## Geology

Plate 5 shows the geology of the Crystal Cave area. Formations exposed include Devonian Guilmette limestone, Mississippian Chainman-Diamond Peak clastic formations, Permian Trapper Creek limestone, Permian chert and dolomite (Grandeur Formation?), Tertiary Salt Lake tuffaceous sediments, and Quaternary alluvium. A regionally widespread, silicified breccia occurs at the contact of the Guilmette and Chainman-Diamond Peak. Miller and Schneyer (1985) have adequately described the units. The identification of the limestone unit shown on Plate 5 in the bottom of the drainage in section 27 is uncertain. It is mapped as Trapper Creek but it could be part of the Tripon Pass limestone.

The only visible rock alteration on Plate 5 is the addition of silica in the silicified breccia unit. Jasperoid bodies, extensive Fe-staining, and/or zones of de-calcification were not found in any of the carbonate units.

The Paleozoic units all strike northerly with variable dips to the east and west. A plunging anticline is mapped in the southwest corner of section 27 (Plate 5). The contacts between each of the Paleozoic units have been interpreted as low-angle faults, similar to the mapping by Miller and Schneyer (1985).

**Surface Geochemistry and Mineralization**

Rock sampling in 1996 discovered a new gold showing at sample L6-047 (section 27, T7N, R19W), which contains 0.255 opt Au (Plate 5). Follow-up samples from the same area (L6-053 to L6-061 and L7-069 to L7-072) were disappointing. The maximum value of the additional samples was only 0.014 opt Au. The samples are from a small outcrop of sheared siltstone and conglomerate of the Chainman-Diamond Peak Formation. The only visible alteration is weak Fe-staining due to surface oxidation. Trace element values from this area include maximum values of: As – 4530 ppm; Sb – 6 ppm; Hg – 4 ppm; and Ag – 1.2 ppm. The samples from the vicinity of L6-047 are all low in base metals.

The samples from the Crystal Cave prospects (section 33, T7N, R19W – Plate 5) have a very different metal signature. Samples from the prospects at Crystal Cave are enriched in Pb, Zn, Fe, As, Sb, and Ag. The mineralized rocks are oxidized replacement deposits in the Guilmette limestone.

## CONCLUSIONS

The highest gold values in the northern Pilot Range occur with Cu-Bi-rich quartz veins and marble skarns at East Canyon. This style of mineralization is distinct from the base-metal rich gossans exploited in the past. The detailed mapping completed in 1997 combined with the rock geochemistry, soil geochemistry, and the ground magnetics suggest that there is little or no dissemination of gold mineralization away form the narrow quartz veins and skarn zones.

A high gold value was also been obtained from sheared clastic sediments north of Crystal Cave in section 27, T7N, R19W. Additional sampling indicated the gold showing has a very limited areal extent and lacks alteration. The mineral rights to section 27 are held in fee, but it is uncertain who owns the rights.

Both precious-metal and base-metal mineralization is widespread in the northern Pilot Range. All of the deposits exploited in the past are small, oxidized replacement

bodies that generally occur along structures or at the contact of the Guilmette limestone and Simonson dolomite. These base-metal rich gossans have limited tonnage potential. The Copper Mountain area has been explored for porphyry copper/molybdenum in the past, but our sampling and prospecting has not identified any new or untested targets. A better understanding of the post-mineral faulting is required in order to identify any blind porphyry targets.

The precious-metal rich zones discovered to date in the northern Pilot Range have limited tonnage potential and do not represent attractive drill targets. Post-mineral, low-angle faulting has complicated the structural interpretation of the region.

## RECOMMENDATIONS

Additional exploration for precious metals at Crystal Cave and East Canyon is not warranted at this time. Although the gold values are as high as 0.587 opt, the targets identified in 1997 are small and limited in areal extent. If and when a better understanding of the post-mineral faulting in the Pilot Range is achieved, new exploration targets can be formulated.

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Additional exploration for precious metals at Crystal Cave and East Canyon is not warranted at this time. Although the gold values are as high as 0.587 opt, the targets identified in 1997 are small and limited in areal extent. If and when a better understanding of the post-mineral faulting in the Pilot Range is achieved, new exploration targets can be formulated.

## REFERENCES


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Limbach, F. W., 1996, 1995 Exploration program, Pilot Range Recon project, Elko County, Nevada and Box Elder County, Utah: report for Lexam Explorations (U.S.A.) Inc., 27 p.

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Miller, D. M., and Schneyer, J. D., 1985, Geologic map of the Tecoma quadrangle, Box Elder County, Utah, and Elko County, Nevada: Utah Geological and Mineral Survey Map 77.

## APPENDIX A

1989-97 Rock Sample Assays and Descriptions

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Au ppb | Au opt | Ag ppm | As ppm | Sb ppm | Hg ppm | Tl ppm | Cu ppm | Pb ppm | Zn ppm | Mo ppm | W ppm | Bi ppm | Cd ppm | Co ppm | Cr ppm | Ni ppm | U ppm | V ppm | Ba ppm | Be ppm | Ga ppm | La ppm | Mn ppm | P ppm | Sc ppm | Sr ppm | Ti % | Al % | Ca % | Fe % | K % | Mg % | Na % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1988 Samples** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31728 | 15 | 0.000 | 0.4 | 1780 | 17 | 2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31729 | 365 | 0.011 | 3.1 | 110 | -2 | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31730 | 5 | 0.000 | 0.2 | 1070 | -2 | 4.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31731 | 25 | 0.001 | 0.3 | 46 | 25 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31732 | 5 | 0.000 | -0.2 | 5 | -2 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **1989 Samples** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CM-1 | 652 | 0.019 | 239.0 | | | | | 1780 | 72900 | 80000 | | | | | | | | | | | | | | | | | | | | | | | | |
| CM-2 | 591 | 0.017 | 24.7 | | | | | 147 | 3800 | 44000 | | | | | | | | | | | | | | | | | | | | | | | | |
| CM-3 | 9 | 0.000 | -0.2 | | | | | 36 | 10 | 22 | | | | | | | | | | | | | | | | | | | | | | | | |
| **1995 Samples** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K5-010 | -5 | 0.000 | -0.2 | 10 | 4 | -1 | -10 | 4 | 18 | 22 | 2 | -10 | -2 | 0.5 | -1 | 166 | 4 | -10 | 7 | 60 | -0.5 | -10 | -10 | 95 | 3010 | -1 | 41 | -0.01 | 0.07 | 7.25 | 0.46 | 0.02 | 3.55 | 0.01 |
| K5-011 | 75 | 0.002 | 0.4 | 250 | 34 | 1 | -10 | 12 | 30 | 124 | 23 | -10 | -2 | -0.5 | 1 | 195 | 9 | -10 | 14 | 600 | -0.5 | -10 | -10 | 85 | 340 | -1 | 97 | -0.01 | 0.04 | 0.57 | 3.52 | 0.01 | 0.15 | 0.03 |
| K5-012 | 105 | 0.003 | 0.4 | 256 | 20 | -1 | -10 | 9 | 168 | 1070 | 19 | -10 | -2 | 8.0 | 1 | 18 | 28 | -10 | 36 | 1300 | -0.5 | -10 | -10 | 90 | 120 | -1 | 313 | -0.01 | 0.07 | 1.30 | 15.00 | -0.01 | 0.10 | -0.01 |
| K5-013 | 1050 | 0.031 | 10.6 | 502 | 56 | 40 | -10 | 13 | 8710 | 10000 | 11 | -10 | -2 | 99.5 | 1 | 29 | 46 | -10 | 9 | 1210 | -0.5 | 10 | -10 | 50 | 190 | 1 | 206 | -0.01 | 0.11 | 0.30 | 15.00 | 0.03 | 0.13 | -0.01 |
| K5-014 | 115 | 0.003 | 19.8 | 252 | 38 | 10 | -10 | 9 | 10000 | 10000 | 17 | -10 | 2 | 64.0 | -1 | 38 | 14 | -10 | 20 | 1360 | -0.5 | 10 | -10 | 90 | 170 | -1 | 25 | -0.01 | 0.12 | 0.31 | 15.00 | 0.04 | 0.10 | 0.01 |
| K5-015 | -5 | 0.000 | -0.2 | 14 | 2 | -1 | -10 | 4 | 40 | 74 | 9 | -10 | -2 | -0.5 | -1 | 297 | 6 | -10 | 3 | 1920 | -0.5 | -10 | -10 | 85 | 30 | -1 | 15 | -0.01 | 0.08 | 1.28 | 0.49 | 0.01 | 0.62 | -0.01 |
| K5-016 | 10 | 0.000 | 0.6 | 562 | 28 | 3 | -10 | 13 | 22 | 128 | 5 | -10 | -2 | 0.5 | 4 | 111 | 20 | -10 | 13 | 2080 | -0.5 | -10 | -10 | 175 | 310 | 1 | 72 | -0.01 | 0.50 | 2.47 | 7.77 | 0.06 | 0.07 | -0.01 |
| K5-017 | 35 | 0.001 | 1.4 | 352 | 6 | 6 | -10 | 25 | 460 | 772 | 3 | -10 | -2 | 2.0 | 4 | 111 | 35 | -10 | 39 | 1880 | -0.5 | -10 | -10 | 105 | 750 | 1 | 54 | -0.01 | 0.27 | 3.25 | 3.02 | 0.14 | 0.06 | -0.01 |
| K5-018 | -5 | 0.000 | 0.8 | 224 | 44 | 11 | -10 | 8 | 404 | 2160 | 17 | -10 | -2 | 6.5 | -1 | 316 | 12 | -10 | 37 | 1720 | -0.5 | -10 | -10 | 75 | 410 | -1 | 37 | -0.01 | 0.11 | 0.21 | 7.86 | 0.04 | 0.06 | -0.01 |
| K5-019 | 10 | 0.000 | 7.0 | 360 | 100 | 48 | -10 | 6 | 2260 | 3000 | 55 | -10 | -2 | 7.5 | -1 | 114 | 7 | -10 | 5 | 1590 | -0.5 | -10 | -10 | 30 | 210 | -1 | 59 | -0.01 | 0.09 | 0.17 | 15.00 | 0.01 | 0.09 | -0.01 |
| K5-020 | -5 | 0.000 | 0.8 | 180 | 26 | 1 | -10 | 15 | 1505 | 7860 | 39 | -10 | -2 | 4.0 | -1 | 16 | 20 | -10 | 4 | 650 | -0.5 | -10 | -10 | 80 | 150 | -1 | 107 | -0.01 | 0.06 | 2.93 | 15.00 | 0.02 | 0.19 | 0.03 |
| K5-021 | -5 | 0.000 | 1.0 | 62 | -2 | -1 | -10 | -1 | 152 | 2390 | 5 | -10 | -2 | 6.0 | -1 | 5 | 5 | -10 | 1 | 2590 | -0.5 | -10 | -10 | 555 | 40 | -1 | 102 | -0.01 | 0.05 | 12.35 | 5.78 | -0.01 | 8.24 | 0.01 |
| K5-022 | -5 | 0.000 | 0.4 | 350 | 12 | 3 | -10 | 17 | 1195 | 9140 | 15 | -10 | 2 | 9.0 | -1 | 9 | 18 | -10 | 6 | 660 | -0.5 | -10 | -10 | 155 | 140 | -1 | 105 | -0.01 | 0.31 | 1.27 | 15.00 | 0.03 | 0.86 | 0.12 |
| K5-023 | 115 | 0.003 | 2.8 | 418 | 32 | 5 | -10 | 41 | 54 | 324 | 10 | -10 | -2 | 0.5 | 6 | 247 | 24 | -10 | 8 | 2800 | -0.5 | -10 | -10 | 85 | 490 | -1 | 68 | -0.01 | 0.16 | 1.51 | 1.89 | 0.06 | 0.03 | -0.01 |
| K5-024 | 820 | 0.024 | 2.4 | 90 | -2 | 2 | -10 | 4670 | 10 | 72 | 44 | -10 | 172 | -0.5 | 106 | 41 | 15 | -10 | 83 | 740 | -0.5 | 10 | -10 | 100 | 420 | 1 | 56 | 0.10 | 1.83 | 0.75 | 15.00 | 1.22 | 1.86 | 0.01 |
| K5-025 | 4850 | 0.141 | 47.4 | 3070 | 236 | -1 | -10 | 6230 | 92 | 828 | 10 | 10 | 3170 | 8.5 | 11 | 197 | 15 | -10 | 16 | 230 | -0.5 | -10 | -10 | 45 | 290 | -1 | 13 | -0.01 | 0.06 | 0.13 | 9.67 | 0.02 | 0.04 | 0.01 |
| K5-026 | 815 | 0.024 | 26.0 | 2980 | 56 | 1 | -10 | 10000 | 22 | 516 | 11 | -10 | 400 | 6.0 | 32 | 93 | 35 | -10 | 27 | 470 | 0.5 | -10 | -10 | 40 | 670 | 1 | 23 | -0.01 | 1.03 | 0.19 | 15.00 | 0.23 | 0.58 | -0.01 |
| K5-027 | 1530 | 0.045 | 3.2 | 4210 | 112 | 1 | -10 | 10000 | 12 | 3100 | 10 | 10 | 500 | 21.0 | 21 | 74 | 30 | -10 | 93 | 110 | 0.5 | -10 | -10 | 35 | 590 | 1 | 43 | -0.01 | 0.94 | 0.60 | 15.00 | 0.22 | 0.45 | 0.01 |
| K5-028 | 1120 | 0.033 | 8.8 | 250 | 38 | 1 | -10 | 10000 | 26 | 414 | 9 | -10 | 550 | 0.5 | 43 | 72 | 97 | -10 | 60 | 150 | -0.5 | -10 | -10 | 55 | 1070 | 4 | 69 | -0.01 | 0.82 | 0.16 | 15.00 | 0.46 | 0.24 | 0.12 |
| K5-029 | 30 | 0.001 | 1.0 | 114 | 4 | -1 | -10 | 615 | 18 | 124 | 1 | -10 | 16 | 0.5 | 4 | 30 | 37 | -10 | 32 | 280 | -0.5 | -10 | -10 | 480 | 110 | 1 | 172 | -0.01 | 0.33 | 15.00 | 1.87 | 0.02 | 5.38 | -0.01 |
| K5-030 | 1530 | 0.045 | 33.4 | 84 | -2 | -1 | -10 | 10000 | 6 | 2390 | 71 | 20 | 90 | 8.5 | 12 | 7 | 16 | -10 | 41 | 200 | -0.5 | -10 | -10 | 255 | 1040 | 1 | 85 | 0.07 | 1.69 | 6.41 | 4.91 | 1.95 | 6.59 | 0.02 |
| K5-031 | 10 | 0.000 | 1.8 | 20 | -2 | -1 | -10 | 1440 | -2 | 1285 | 1 | -10 | 4 | 29.5 | 1 | 2 | 1 | -10 | 3 | 20 | -0.5 | -10 | -10 | 245 | 110 | -1 | 82 | -0.01 | 0.21 | 13.95 | 0.41 | 0.19 | 8.78 | -0.01 |
| K5-032 | 3810 | 0.111 | 101.0 | 112 | 18 | -1 | -10 | 10000 | 14 | 5640 | 20 | 10 | 300 | 20.0 | 20 | 24 | 10 | -10 | 87 | 110 | -0.5 | -10 | -10 | 60 | 950 | -1 | 16 | -0.01 | 0.32 | 0.69 | 15.00 | 0.19 | 1.89 | -0.01 |
| K5-033 | -5 | 0.000 | 0.4 | 36 | 2 | -1 | -10 | 1190 | 4 | 1050 | -1 | 20 | -2 | 38.0 | 14 | 3 | 1 | -10 | 14 | 40 | -0.5 | -10 | -10 | 365 | 160 | -1 | 101 | -0.01 | 0.16 | 15.00 | 2.13 | 0.11 | 7.74 | -0.01 |
| K5-034 | 45 | 0.001 | 5.2 | 2040 | 42 | -1 | -10 | 10000 | 170 | 3660 | 6 | -10 | 140 | 31.0 | 26 | 26 | 12 | -10 | 60 | 330 | 0.5 | -10 | -10 | 145 | 1140 | -1 | 14 | -0.01 | 0.81 | 0.70 | 15.00 | 0.03 | 0.45 | -0.01 |
| K5-035 | 460 | 0.013 | 41.0 | 180 | 44 | -1 | -10 | 10000 | 146 | 7620 | 12 | -10 | 400 | 19.5 | 17 | 156 | 37 | -10 | 25 | 150 | -0.5 | -10 | -10 | 120 | 580 | -1 | 6 | -0.01 | 0.11 | 0.17 | 13.80 | 0.01 | 0.08 | -0.01 |
| K5-036 | 65 | 0.002 | 1.0 | 234 | 48 | 3 | -10 | 82 | 2580 | 1270 | 31 | -10 | -2 | 1.5 | 1 | 25 | 48 | -10 | 96 | 1140 | -0.5 | -10 | -10 | 110 | 350 | -1 | 82 | -0.01 | 0.21 | 4.49 | 15.00 | 0.03 | 0.23 | -0.01 |
| K5-037 | 45 | 0.001 | 1.4 | 158 | -2 | -1 | -10 | 3430 | 18 | 244 | 6 | 80 | 14 | 1.5 | 6 | 17 | 1 | -10 | 7 | 100 | -0.5 | 10 | -10 | 1665 | 660 | -1 | 80 | -0.01 | 0.25 | 13.75 | 12.40 | 0.01 | 0.28 | -0.01 |
| K5-038 | 65 | 0.002 | 5.4 | 554 | 34 | -1 | -10 | 271 | 5790 | 5610 | 14 | 10 | 2 | 100.0 | 1 | 23 | 13 | -10 | 255 | 40 | 1.0 | -10 | -10 | 2060 | 370 | -1 | 73 | -0.01 | 0.06 | 10.75 | 6.78 | 0.01 | 6.80 | -0.01 |
| K5-039 | 5 | 0.000 | 0.2 | 34 | -2 | -1 | -10 | 28 | 22 | 96 | -1 | -10 | 2 | -0.5 | 1 | 15 | 5 | -10 | 10 | 30 | -0.5 | -10 | -10 | 935 | 370 | -1 | 147 | -0.01 | 0.24 | 13.95 | 2.57 | 0.09 | 4.86 | -0.01 |
| K5-040 | 485 | 0.014 | 86.8 | 2180 | 72 | 5 | -10 | 1985 | 10000 | 8860 | 7720 | -10 | 4 | 5.5 | -1 | 32 | 5 | -10 | 6 | 480 | 1.0 | -10 | -10 | 730 | 240 | -1 | 9 | -0.01 | 0.05 | 0.21 | 15.00 | 0.02 | 0.10 | -0.01 |
| K5-041 | 110 | 0.003 | 138.5 | 838 | 206 | -1 | -10 | 700 | 790 | 482 | 79 | -10 | 8 | 3.0 | 14 | 99 | 34 | -10 | 23 | 3090 | -0.5 | -10 | -10 | 1335 | 460 | 2 | 83 | -0.01 | 0.22 | 8.37 | 1.44 | 0.02 | 4.55 | -0.01 |
| K5-042 | -5 | 0.000 | 0.8 | 40 | -2 | -1 | -10 | 10000 | 28 | 5630 | 91 | -10 | -2 | 14.5 | 30 | 1 | 51 | -10 | 12 | 220 | 4.0 | -10 | -10 | 4560 | 1470 | 3 | 27 | -0.01 | 8.24 | 2.33 | 13.65 | 0.04 | 1.41 | -0.01 |
| K5-043 | -5 | 0.000 | 2.0 | 54 | -2 | -1 | -10 | 10000 | 22 | 8050 | 85 | -10 | -2 | 35.0 | 34 | 2 | 50 | -10 | 13 | 370 | 4.5 | -10 | 10 | 5490 | 2830 | 3 | 42 | -0.01 | 5.70 | 3.68 | 15.00 | 0.02 | 1.90 | -0.01 |
| K5-044 | -5 | 0.000 | 1.2 | 32 | -2 | -1 | -10 | 120 | 68 | 246 | 15 | -10 | 2 | 0.5 | 3 | 54 | 9 | -10 | 16 | 40 | -0.5 | -10 | -10 | 395 | 300 | 1 | 117 | -0.01 | 0.35 | 15.00 | 1.20 | 0.02 | 0.73 | -0.01 |
| K5-045 | -5 | 0.000 | 0.2 | 30 | -2 | -1 | -10 | 100 | 6 | 66 | 6 | -10 | -2 | -0.5 | 10 | 72 | 28 | -10 | 71 | 110 | 0.5 | -10 | -10 | 900 | 740 | 9 | 51 | -0.01 | 1.07 | 9.78 | 3.76 | 0.03 | 1.88 | -0.01 |
| K5-046 | 620 | 0.018 | 200.0 | 1330 | 320 | 1 | -10 | 1420 | 10000 | 5470 | 1370 | -10 | 186 | 4.5 | -1 | 36 | 4 | -10 | 22 | 70 | -0.5 | -10 | -10 | 95 | 280 | -1 | 11 | -0.01 | 0.04 | 0.24 | 15.00 | 0.01 | 0.03 | -0.01 |
| K5-047 | -5 | 0.000 | 5.8 | 142 | 6 | -1 | -10 | 3960 | 4060 | 10000 | 18 | -10 | 6 | 100.0 | 3 | 2 | 11 | -10 | 1 | 390 | -0.5 | 10 | -10 | 5930 | 180 | -1 | 18 | -0.01 | 0.15 | 2.26 | 13.60 | 0.01 | 1.10 | -0.01 |
| K5-048 | 200 | 0.006 | 125.5 | 1730 | 18 | 2 | -10 | 1260 | 10000 | 10000 | 394 | -10 | 28 | 67.5 | -1 | 6 | 7 | -10 | 8 | 30 | -0.5 | 10 | -10 | 795 | 160 | -1 | 9 | -0.01 | 0.60 | 0.17 | 15.00 | 0.01 | 0.11 | 0.01 |
| K5-049 | 505 | 0.015 | 200.0 | 2060 | 60 | 3 | -10 | 1880 | 10000 | 10000 | 162 | -10 | 32 | 38.5 | -1 | 7 | 4 | -10 | 20 | 60 | -0.5 | 10 | -10 | 700 | 200 | -1 | 4 | -0.01 | 0.55 | 0.08 | 15.00 | 0.01 | 0.09 | -0.01 |
| K5-050 | 80 | 0.002 | 12.6 | 1010 | 58 | 4 | -10 | 2650 | 3480 | 10000 | 33 | -10 | 46 | 39.0 | -1 | 9 | 8 | -10 | 6 | 40 | -0.5 | 20 | -10 | 255 | 220 | -1 | 6 | -0.01 | 0.46 | 0.09 | 15.00 | 0.02 | 0.07 | -0.01 |
| K5-051 | 105 | 0.003 | 37.2 | 1225 | 82 | 3 | -10 | 3560 | 290 | 1580 | 110 | -10 | 686 | 2.0 | -1 | 13 | 3 | -10 | 41 | 710 | -0.5 | -10 | -10 | 200 | 470 | -1 | 58 | -0.01 | 0.09 | 4.09 | 15.00 | 0.01 | 0.82 | -0.01 |
| K5-052 | 225 | 0.007 | 39.0 | 810 | 38 | 2 | -10 | 153 | 252 | 1810 | 45 | -10 | 34 | 3.0 | 1 | 36 | 7 | -10 | 137 | 2190 | -0.5 | -10 | -10 | 10000 | 540 | -1 | 84 | -0.01 | 0.08 | 5.49 | 15.00 | 0.04 | 0.42 | -0.01 |
| K5-053 | 290 | 0.008 | 78.2 | 640 | 164 | 1 | -10 | 10000 | 7980 | 5520 | 171 | -10 | 170 | 13.0 | 33 | 20 | 11 | -10 | 45 | 150 | 0.5 | -10 | -10 | 1320 | 1550 | -1 | 14 | -0.01 | 0.10 | 1.77 | 15.00 | 0.03 | 1.04 | -0.01 |
| K5-054 | 630 | 0.018 | 84.2 | 2890 | 254 | 3 | -10 | 1650 | 10000 | 10000 | 4110 | 10 | 14 | 14.5 | -1 | 59 | 10 | -10 | 30 | 80 | 0.5 | -10 | -10 | 250 | 470 | -1 | 31 | -0.01 | 0.07 | 0.67 | 15.00 | 0.06 | 0.21 | -0.01 |
| K5-055 | 290 | 0.008 | 30.8 | 1190 | 208 | 3 | -10 | 2700 | 10000 | 8370 | 357 | -10 | 60 | 10.5 | -1 | 33 | 4 | -10 | 8 | 30 | 0.5 | 10 | -10 | 245 | 280 | -1 | 6 | -0.01 | 0.06 | 0.54 | 15.00 | 0.01 | 0.31 | -0.01 |
| K5-056 | 295 | 0.009 | 2.4 | 674 | 46 | 7 | -10 | 525 | 1270 | 4220 | 104 | -10 | 2 | 1.5 | -1 | 35 | 18 | -10 | 184 | 70 | 0.5 | -10 | -10 | 130 | 190 | -1 | 36 | -0.01 | 0.09 | 3.93 | 15.00 | 0.02 | 1.99 | -0.01 |
| K5-057 | 135 | 0.004 | 71.2 | 910 | 78 | 4 | -10 | 230 | 10000 | 2880 | 10 | -10 | -2 | 10.0 | -1 | 254 | 21 | -10 | 33 | 720 | -0.5 | -10 | -10 | 510 | 640 | -1 | 68 | -0.01 | 0.18 | 1.07 | 7.18 | 0.04 | 0.18 | 0.02 |
| K5-058 | 140 | 0.004 | 18.2 | 398 | 140 | 5 | 10 | 51 | 650 | 10000 | 39 | -10 | -2 | 32.0 | 35 | 38 | 259 | 10 | 54 | 1520 | 1.5 | -10 | -10 | 3510 | 800 | 3 | 95 | -0.01 | 1.49 | 0.28 | 15.00 | 0.21 | 0.10 | -0.01 |
| K5-059 | -5 | 0.000 | 1.8 | 202 | 28 | 4 | -10 | 15 | 74 | 318 | 24 | -10 | -2 | 1.0 | -1 | 375 | 19 | -10 | 18 | 2700 | -0.5 | -10 | -10 | 240 | 250 | -1 | 44 | -0.01 | 0.08 | 1.83 | 1.22 | 0.02 | 0.80 | -0.01 |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Au ppb | Au opt | Ag ppm | As ppm | Sb ppm | Hg ppm | Tl ppm | Cu ppm | Pb ppm | Zn ppm | Mo ppm | W ppm | Bi ppm | Cd ppm | Co ppm | Cr ppm | Ni ppm | U ppm | V ppm | Ba ppm | Be ppm | Ga ppm | La ppm | Mn ppm | P ppm | Sc ppm | Sr ppm | Ti % | Al % | Ca % | Fe % | K % | Mg % | Na % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K5-060 | 85 | 0.002 | 8.2 | 888 | 68 | 3 | -10 | 112 | 1990 | 1675 | 96 | -10 | -2 | 13.0 | 6 | 339 | 31 | -10 | 86 | 660 | -0.5 | -10 | -10 | 140 | 410 | 1 | 63 | -0.01 | 0.63 | 0.23 | 5.92 | 0.07 | 0.04 | 0.03 |
| K5-061 | -5 | 0.000 | 2.2 | 234 | 34 | 4 | 10 | 29 | 282 | 318 | 8 | -10 | -2 | 3.5 | 2 | 313 | 25 | -10 | 13 | 1850 | -0.5 | -10 | -10 | 1070 | 600 | -1 | 74 | -0.01 | 0.11 | 6.98 | 1.17 | 0.04 | 1.31 | 0.02 |
| K5-062 | 445 | 0.013 | 161.0 | 1915 | 54 | 4 | -10 | 3750 | 10000 | 10000 | 50 | -10 | 68 | 76.5 | 1 | 15 | 2 | 30 | 17 | 1210 | -0.5 | -10 | -10 | 155 | 190 | -1 | 11 | -0.01 | 0.49 | 0.23 | 15.00 | 0.02 | 0.07 | -0.01 |
| K5-063 | 250 | 0.007 | 28.8 | 3710 | 396 | 32 | 10 | 179 | 7110 | 2430 | 12 | -10 | 2 | 26.0 | -1 | 268 | 18 | -10 | 62 | 240 | -0.5 | -10 | -10 | 40 | 550 | 1 | 96 | -0.01 | 0.33 | 0.71 | 11.80 | 0.09 | 0.08 | 0.07 |
| K5-065 | 90 | 0.003 | 82.6 | 1020 | 36 | 6 | -10 | 1615 | 10000 | 10000 | 54 | 30 | 20 | 59.5 | 1 | 11 | 1 | 30 | 48 | 190 | -0.5 | -10 | -10 | 7410 | 380 | -1 | 5 | -0.01 | 0.35 | 0.29 | 15.00 | 0.04 | 0.12 | -0.01 |
| K5-066 | -5 | 0.000 | 0.4 | 22 | 2 | 1 | -10 | 13 | 44 | 96 | 1 | -10 | -2 | -0.5 | 1 | 22 | 6 | -10 | 16 | 200 | -0.5 | -10 | -10 | 685 | 760 | 2 | 106 | -0.01 | 0.42 | 15.00 | 1.97 | 0.04 | 6.66 | -0.01 |
| K5-067 | 65 | 0.002 | 23.2 | 248 | 10 | 1 | -10 | 813 | 10000 | 5740 | 8 | -10 | -2 | 39.0 | 1 | 214 | 9 | -10 | 36 | 130 | -0.5 | -10 | -10 | 5660 | 560 | 2 | 11 | -0.01 | 0.60 | 0.47 | 7.77 | 0.14 | 0.11 | -0.01 |
| K5-070 | 845 | 0.025 | 2.4 | 460 | 64 | 1 | -10 | 51 | 1225 | 220 | 17 | -10 | -2 | 0.5 | 3 | 13 | 21 | 40 | 64 | 310 | -0.5 | -10 | -10 | 175 | 170 | -1 | 18 | -0.01 | 0.32 | 1.70 | 15.00 | 0.07 | 0.56 | -0.01 |
| K5-071 | 1360 | 0.040 | 104.5 | 2100 | 176 | 2 | -10 | 1995 | 10000 | 10000 | 99 | -10 | 20 | 22.0 | -1 | 47 | 3 | 10 | 72 | 40 | -0.5 | -10 | -10 | 1480 | 3060 | -1 | 26 | -0.01 | 0.13 | 0.39 | 15.00 | 0.03 | 0.06 | -0.01 |
| L5-324 | -5 | 0.000 | 1.8 | 332 | 8 | -1 | -10 | 102 | 120 | 508 | 1 | -10 | -2 | 0.5 | 38 | 168 | 115 | -10 | 100 | 3090 | -0.5 | -10 | 10 | 445 | 830 | 10 | 34 | -0.01 | 2.28 | 0.91 | 7.58 | 0.05 | 0.49 | -0.01 |
| L5-325 | -5 | 0.000 | 1.4 | 114 | 8 | 1 | -10 | 11 | 22 | 266 | 4 | -10 | -2 | 1.0 | 47 | 12 | 23 | -10 | 22 | 3410 | 0.5 | -10 | -10 | 1380 | 200 | 4 | 83 | -0.01 | 0.53 | 15.00 | 2.21 | 0.01 | 2.14 | -0.01 |
| L5-326 | 545 | 0.016 | 200.0 | 2110 | 56 | 13 | -10 | 571 | 10000 | 10000 | 5 | 90 | 30 | 50.5 | -1 | 14 | 1 | 20 | 8 | 290 | -0.5 | -10 | -10 | 880 | 160 | -1 | 30 | -0.01 | 0.11 | 0.18 | 15.00 | 0.03 | 0.04 | -0.01 |
| L5-327 | 35 | 0.001 | 13.4 | 740 | 28 | 7 | -10 | 305 | 10000 | 10000 | 10 | 70 | 6 | 77.0 | -1 | 3 | 1 | 30 | 6 | 3070 | -0.5 | -10 | -10 | 2010 | 60 | -1 | 24 | -0.01 | 0.16 | 0.05 | 15.00 | 0.01 | 0.01 | -0.01 |
| L5-328 | -5 | 0.000 | 1.8 | 280 | 32 | 3 | 10 | 19 | 236 | 432 | 12 | -10 | -2 | 1.0 | 2 | 580 | 21 | -10 | 10 | 1290 | -0.5 | -10 | -10 | 180 | 420 | -1 | 55 | -0.01 | 0.07 | 1.02 | 1.70 | 0.05 | 0.06 | 0.01 |
| L5-329 | 50 | 0.001 | 4.6 | 694 | 74 | 1 | -10 | 30 | 62 | 276 | 9 | -10 | -2 | 1.0 | 4 | 238 | 35 | -10 | 32 | 1890 | -0.5 | -10 | -10 | 1465 | 490 | 1 | 95 | -0.01 | 0.24 | 0.43 | 3.04 | 0.12 | 0.04 | -0.01 |
| L5-330 | 910 | 0.027 | 4.8 | 172 | 20 | 1 | -10 | 363 | 908 | 8270 | 10 | -10 | 36 | 16.0 | -1 | 8 | 1 | 10 | 28 | 510 | -0.5 | -10 | -10 | 145 | 160 | -1 | 5 | -0.01 | 0.13 | 0.12 | 15.00 | 0.02 | 0.03 | -0.01 |
| L5-331 | 40 | 0.001 | 6.6 | 950 | 32 | 7 | -10 | 10000 | 1425 | 10000 | 18 | -10 | 12 | 48.0 | 87 | 1 | 17 | 10 | 30 | 3080 | -0.5 | -10 | 130 | 10000 | 400 | -1 | 144 | -0.01 | 0.36 | 4.26 | 15.00 | 0.03 | 0.82 | -0.01 |
| L5-332 | -5 | 0.000 | 21.4 | 2030 | 20 | 4 | -10 | 10000 | 108 | 10000 | 17 | -10 | 106 | 51.5 | 14 | 7 | 22 | 20 | 25 | 4020 | 3.0 | -10 | 60 | 1035 | 180 | 11 | 32 | -0.01 | 5.91 | 0.61 | 15.00 | 0.04 | 0.29 | -0.01 |
| L5-333 | 25 | 0.001 | 7.2 | 1110 | 54 | 2 | -10 | 1680 | 568 | 3230 | 129 | -10 | 190 | 4.0 | 9 | 58 | 28 | 10 | 46 | 640 | 0.5 | -10 | 20 | 990 | 1350 | 1 | 37 | -0.01 | 0.55 | 0.48 | 15.00 | 0.17 | 0.06 | -0.01 |
| L5-334 | 20 | 0.001 | 6.6 | 554 | 24 | 6 | -10 | 10000 | 100 | 7170 | 5 | -10 | 62 | 32.5 | 1 | 5 | 122 | 50 | 15 | 2930 | 16.5 | -10 | 60 | 5920 | 320 | 3 | 29 | -0.01 | 14.45 | 0.85 | 3.74 | 0.06 | 0.43 | 0.01 |
| L5-335 | -5 | 0.000 | 4.2 | 1640 | 16 | 2 | -10 | 10000 | 308 | 10000 | 28 | -10 | 50 | 100.0 | 59 | 1 | 59 | 20 | 10 | 2340 | 5.0 | -10 | 30 | 10000 | 410 | 1 | 25 | -0.01 | 13.95 | 0.74 | 8.23 | 0.03 | 0.41 | 0.01 |
| L5-336 | 920 | 0.027 | 174.5 | 2660 | 74 | 17 | -10 | 3250 | 10000 | 10000 | 10000 | 20 | 92 | 67.5 | -1 | 30 | 1 | 10 | 12 | 180 | -0.5 | -10 | -10 | 685 | 110 | 1 | 15 | -0.01 | 0.13 | 0.30 | 15.00 | 0.03 | 0.10 | -0.01 |
| L5-337 | 125 | 0.004 | 100.5 | 1280 | 48 | 3 | -10 | 4650 | 10000 | 10000 | 129 | -10 | 46 | 32.5 | 1 | 20 | 9 | 20 | 12 | 1310 | 0.5 | -10 | -10 | 680 | 350 | -1 | 9 | -0.01 | 0.56 | 0.18 | 15.00 | 0.03 | 0.06 | -0.01 |
| L5-338 | 30 | 0.001 | 200.0 | 2510 | 52 | 9 | -10 | 4780 | 10000 | 10000 | 508 | -10 | 676 | 100.0 | -1 | 17 | 11 | 20 | 29 | 250 | -0.5 | -10 | -10 | 160 | 810 | -1 | 19 | -0.01 | 0.28 | 0.18 | 15.00 | 0.05 | 0.15 | 0.02 |
| L5-339 | 635 | 0.019 | 3.0 | 432 | 38 | 2 | -10 | 10000 | 224 | 3370 | 80 | -10 | 104 | 17.0 | 6 | 16 | 54 | 50 | 71 | 1220 | 1.5 | -10 | 110 | 3800 | 1590 | 1 | 11 | -0.01 | 4.20 | 0.29 | 11.40 | 0.13 | 0.11 | -0.01 |
| L5-340 | 360 | 0.010 | 200.0 | 932 | 54 | 2 | -10 | 2710 | 5720 | 10000 | 46 | 10 | 256 | 69.5 | 5 | 3 | 1 | 30 | 9 | 510 | -0.5 | -10 | -10 | 1170 | 100 | -1 | 26 | -0.01 | 0.33 | 5.37 | 15.00 | 0.04 | 0.17 | -0.01 |
| L5-341 | 70 | 0.002 | 156.0 | 734 | 50 | 9 | -10 | 177 | 6510 | 7060 | 23 | -10 | -2 | 30.0 | 2 | 16 | 35 | 20 | 37 | 1130 | -0.5 | -10 | -10 | 460 | 150 | -1 | 144 | -0.01 | 0.17 | 4.96 | 15.00 | 0.01 | 1.32 | -0.01 |
| L5-342 | 95 | 0.003 | 15.8 | 278 | 20 | 7 | -10 | 215 | 222 | 10000 | 10 | 20 | -2 | 100.0 | 13 | 31 | 123 | 30 | 22 | 810 | 1.0 | -10 | 10 | 4130 | 900 | 2 | 11 | -0.01 | 0.48 | 0.17 | 15.00 | 0.11 | 0.04 | -0.01 |
| L5-343 | 90 | 0.003 | 14.4 | 202 | 24 | 8 | -10 | 108 | 440 | 10000 | 11 | 30 | -2 | 100.0 | 15 | 8 | 127 | 20 | 10 | 530 | 1.0 | -10 | 10 | 5330 | 560 | 1 | 11 | -0.01 | 0.50 | 0.20 | 15.00 | 0.09 | 0.04 | -0.01 |
| L5-344 | 190 | 0.006 | 53.0 | 590 | 18 | 8 | -10 | 319 | 3820 | 7050 | 20 | -10 | 18 | 71.0 | -1 | 148 | 15 | -10 | 16 | 1030 | -0.5 | -10 | -10 | 95 | 310 | -1 | 13 | -0.01 | 0.22 | 0.32 | 14.70 | 0.06 | 0.01 | -0.01 |
| L5-347 | -5 | 0.000 | 3.2 | 318 | 4 | 4 | -10 | 10000 | 348 | 2820 | 10 | -10 | 76 | 7.5 | 4 | 19 | 12 | 30 | 23 | 1880 | -0.5 | -10 | 10 | 145 | -10 | 2 | 13 | -0.01 | 13.60 | 0.09 | 9.70 | 0.02 | 0.12 | 0.01 |
| L5-348 | -5 | 0.000 | 1.6 | 2080 | 8 | 3 | -10 | 5430 | 116 | 7060 | 34 | -10 | 6 | 22.0 | 23 | 40 | 12 | 20 | 24 | 4230 | -0.5 | 10 | 30 | 1730 | -10 | -1 | 37 | -0.01 | 0.65 | 1.71 | 15.00 | 0.01 | 0.80 | -0.01 |
| L5-349 | 415 | 0.012 | 108.5 | 1470 | 36 | 8 | -10 | 1775 | 10000 | 10000 | 5850 | -10 | 24 | 27.5 | -1 | 14 | 5 | 20 | 4 | 1070 | -0.5 | -10 | -10 | 145 | 70 | -1 | 18 | -0.01 | 0.10 | 0.59 | 15.00 | 0.04 | 0.18 | -0.01 |
| L5-350 | 335 | 0.010 | 200.0 | 1275 | 58 | 4 | -10 | 3800 | 10000 | 10000 | 494 | -10 | 118 | 34.5 | -1 | 7 | 3 | 10 | 7 | 300 | -0.5 | -10 | -10 | 1520 | 70 | -1 | 19 | -0.01 | 0.15 | 0.79 | 15.00 | 0.06 | 0.22 | -0.01 |
| L5-351 | -5 | 0.000 | 0.8 | 400 | 8 | -1 | -10 | 94 | 220 | 278 | 6 | -10 | -2 | -0.5 | 34 | 126 | 135 | -10 | 64 | 130 | -0.5 | -10 | 10 | 180 | 820 | 15 | 8 | -0.01 | 1.21 | 0.56 | 10.25 | 0.01 | 0.14 | -0.01 |
| L5-353 | 70 | 0.002 | 18.8 | 304 | 12 | 1 | -10 | 392 | 7920 | 1915 | 6 | -10 | -2 | 8.5 | 2 | 200 | 10 | -10 | 90 | 390 | -0.5 | -10 | -10 | 3360 | 990 | 1 | 23 | -0.01 | 0.38 | 0.55 | 4.54 | 0.11 | 0.08 | -0.01 |
| L5-356 | 1520 | 0.044 | 68.2 | 808 | 120 | 2 | -10 | 427 | 10000 | 9190 | 261 | -10 | 2 | 35.0 | -1 | 53 | 7 | 10 | 79 | 1360 | 3.0 | -10 | -10 | 900 | 4570 | -1 | 80 | -0.01 | 0.07 | 0.76 | 15.00 | 0.01 | 0.16 | -0.01 |
| L5-357 | 325 | 0.009 | 12.2 | 230 | 70 | 6 | -10 | 25 | 10000 | 3180 | 5 | -10 | -2 | 5.5 | -1 | 66 | 8 | 10 | 56 | 2210 | -0.5 | -10 | -10 | 20 | 480 | -1 | 146 | -0.01 | 0.11 | 0.07 | 15.00 | 0.02 | 0.02 | -0.01 |
| L5-358 | 25 | 0.001 | 4.2 | 118 | 36 | 3 | -10 | 37 | 300 | 772 | 11 | -10 | -2 | 1.0 | 2 | 281 | 20 | -10 | 34 | 2250 | 0.5 | -10 | -10 | 145 | 280 | -1 | 63 | -0.01 | 0.16 | 0.93 | 4.51 | 0.07 | 0.12 | -0.01 |
| L5-359 | 65 | 0.002 | 2.4 | 70 | 26 | 1 | -10 | 17 | 398 | 502 | 10 | -10 | -2 | 0.5 | -1 | 9 | 5 | 20 | 21 | 1270 | -0.5 | -10 | -10 | 80 | 200 | -1 | 149 | -0.01 | 0.07 | 0.07 | 15.00 | 0.01 | 0.06 | -0.01 |
| L5-360 | 1390 | 0.041 | 149.0 | 2540 | 228 | 3 | -10 | 5320 | 10000 | 10000 | 17 | -10 | 6 | 43.0 | -1 | 70 | 4 | 10 | 17 | 170 | -0.5 | 10 | -10 | 250 | 90 | -1 | 13 | -0.01 | 0.07 | 0.41 | 15.00 | 0.01 | 0.06 | -0.01 |
| L5-361 | 435 | 0.013 | 57.2 | 2950 | 110 | 4 | -10 | 3960 | 10000 | 10000 | 93 | -10 | 4 | 100.0 | -1 | 64 | 4 | 20 | 25 | 430 | 0.5 | 10 | -10 | 655 | -10 | -1 | 11 | -0.01 | 0.12 | 1.08 | 15.00 | 0.01 | 0.47 | -0.01 |
| L5-362 | 2960 | 0.086 | 1.4 | 56 | 82 | 1 | -10 | 17 | 226 | 890 | 49 | -10 | -2 | 3.5 | 1 | 14 | 20 | 50 | 18 | 1270 | -0.5 | -10 | -10 | 150 | 80 | -1 | 81 | -0.01 | 0.17 | 0.94 | 15.00 | 0.03 | 0.29 | -0.01 |
| L5-363 | 930 | 0.027 | 177.0 | 550 | 58 | 7 | -10 | 2760 | 10000 | 10000 | 10 | 60 | 10 | 100.0 | 5 | 44 | 2 | 10 | 53 | 870 | -0.5 | -10 | -10 | 1520 | 160 | -1 | 17 | -0.01 | 0.06 | 1.86 | 15.00 | 0.01 | 0.10 | -0.01 |
| L5-364 | 810 | 0.024 | 115.5 | 1085 | 74 | 4 | -10 | 1300 | 8420 | 10000 | 9 | -10 | 50 | 35.0 | 1 | 46 | 1 | 20 | 29 | 70 | -0.5 | -10 | -10 | 155 | 350 | -1 | 4 | -0.01 | 0.15 | 0.06 | 15.00 | 0.03 | 0.02 | -0.01 |
| L5-365 | 1980 | 0.058 | 200.0 | 2920 | 6030 | 3 | -10 | 10000 | 10000 | 8900 | 114 | 70 | 1295 | 23.5 | 2 | 32 | 14 | 30 | 282 | 290 | -0.5 | -10 | -10 | 690 | 680 | -1 | 11 | -0.01 | 0.04 | 0.70 | 15.00 | 0.04 | 0.12 | -0.01 |
| L5-366 | 10 | 0.000 | 1.8 | 30 | 12 | -1 | -10 | 81 | 136 | 278 | 1 | -10 | 2 | 10.0 | -1 | 67 | 1 | -10 | 2 | 2150 | -0.5 | -10 | 10 | 635 | 120 | -1 | 38 | -0.01 | 0.55 | 7.31 | 0.72 | 0.21 | 1.53 | -0.01 |
| L5-393 | -5 | 0.000 | -0.2 | -2 | -2 | -1 | -10 | 12 | 590 | 66 | -1 | -10 | -2 | -0.5 | 3 | 154 | 8 | -10 | 14 | 2350 | -0.5 | -10 | -10 | 425 | 320 | 1 | 56 | -0.01 | 0.70 | 0.77 | 1.37 | 0.14 | 0.39 | 0.07 |
| L5-394 | -5 | 0.000 | 0.2 | 14 | -2 | -1 | -10 | 6 | 28 | 334 | -1 | -10 | -2 | -0.5 | 4 | 13 | 7 | -10 | 2 | 210 | -0.5 | -10 | -10 | 1525 | 550 | 2 | 363 | -0.01 | 0.27 | 15.00 | 2.63 | 0.15 | 0.80 | -0.01 |
| L5-473 | -5 | 0.000 | 0.2 | 84 | 2 | -1 | -10 | 46 | 38 | 74 | 23 | 60 | -2 | -0.5 | 1 | 105 | 3 | -10 | 10 | 540 | 0.5 | -10 | -10 | 555 | 140 | -1 | 47 | -0.01 | 0.56 | 0.72 | 1.07 | 0.32 | 0.08 | 0.02 |
| L5-474 | -5 | 0.000 | 0.2 | 20 | -2 | -1 | -10 | 21 | 8 | 54 | 42 | -10 | -2 | -0.5 | -1 | 119 | 2 | -10 | 4 | 940 | -0.5 | -10 | 10 | 45 | 60 | -1 | 36 | -0.01 | 0.34 | 0.71 | 0.52 | 0.26 | 0.10 | -0.01 |
| L5-475 | -5 | 0.000 | 0.4 | 150 | 14 | 1 | -10 | 877 | 70 | 632 | 105 | -10 | 4 | 0.5 | -1 | 72 | 2 | -10 | 58 | 190 | -0.5 | -10 | -10 | 40 | 260 | -1 | 46 | -0.01 | 0.59 | 0.40 | 11.30 | 0.36 | 0.13 | 0.04 |
| L5-476 | -5 | 0.000 | 0.4 | 170 | 8 | 3 | -10 | 767 | 64 | 256 | 288 | -10 | -2 | 0.5 | -1 | 42 | 1 | -10 | 81 | 340 | -0.5 | -10 | -10 | 75 | 370 | -1 | 42 | 0.01 | 0.67 | 0.56 | 14.90 | 0.26 | 0.16 | 0.01 |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Au ppb | Au opt | Ag ppm | As ppm | Sb ppm | Hg ppm | Tl ppm | Cu ppm | Pb ppm | Zn ppm | Mo ppm | W ppm | Bi ppm | Cd ppm | Co ppm | Cr ppm | Ni ppm | U ppm | V ppm | Ba ppm | Be ppm | Ga ppm | La ppm | Mn ppm | P ppm | Sc ppm | Sr ppm | Ti % | Al % | Ca % | Fe % | K % | Mg % | Na % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L5-477 | -5 | 0.000 | 0.4 | 30 | 8 | -1 | -10 | 79 | 74 | 72 | 104 | -10 | -2 | -0.5 | -1 | 151 | 2 | -10 | 6 | 150 | -0.5 | -10 | 10 | 40 | 230 | -1 | 17 | -0.01 | 0.34 | 0.24 | 0.76 | 0.22 | 0.02 | 0.01 |
| L5-478 | -5 | 0.000 | 0.2 | 14 | -2 | 1 | -10 | 18 | 6 | 12 | 3 | -10 | -2 | -0.5 | -1 | 84 | 1 | -10 | 4 | 1210 | -0.5 | -10 | 10 | 55 | 490 | -1 | 38 | -0.01 | 0.59 | 0.48 | 0.53 | 0.32 | 0.04 | 0.02 |
| L5-479 | -5 | 0.000 | 0.2 | 22 | -2 | -1 | -10 | 51 | 6 | 30 | 139 | -10 | -2 | -0.5 | -1 | 178 | 2 | -10 | 4 | 490 | -0.5 | -10 | 10 | 30 | 130 | -1 | 42 | -0.01 | 0.36 | 0.35 | 0.42 | 0.25 | 0.08 | 0.01 |
| P5-304 | -5 | 0.000 | 1.6 | 180 | 14 | 3 | -10 | 7830 | 346 | 5310 | 13 | -10 | 16 | 19.5 | 9 | 89 | 9 | 30 | 63 | 2000 | -0.5 | 40 | 20 | 165 | 90 | -1 | 36 | -0.01 | 1.59 | 1.05 | 15.00 | 0.01 | 0.06 | -0.01 |
| P5-305 | -5 | 0.000 | 2.8 | 178 | 12 | -1 | -10 | 551 | 406 | 3680 | 7 | -10 | -2 | 73.5 | 6 | 4 | 11 | -10 | 7 | 930 | -0.5 | -10 | 10 | 1795 | 70 | -1 | 109 | -0.01 | 0.09 | 15.00 | 6.40 | 0.01 | 1.27 | -0.01 |
| P5-306 | -5 | 0.000 | 14.2 | 84 | 14 | 3 | -10 | 10000 | 128 | 10000 | 20 | -10 | 34 | 33.5 | 22 | 4 | 20 | -10 | 7 | 1150 | 1.0 | -10 | 510 | 780 | -10 | 18 | 10 | -0.01 | 7.51 | 0.15 | 15.00 | 0.02 | 0.10 | -0.01 |
| P5-307 | -5 | 0.000 | -0.2 | 148 | 12 | 1 | -10 | 1350 | 476 | 10000 | 10 | -10 | -2 | 38.0 | 17 | 4 | 15 | 30 | 24 | 1370 | 0.5 | -10 | 80 | 905 | 270 | -1 | 40 | -0.01 | 0.59 | 1.92 | 15.00 | 0.01 | 0.17 | -0.01 |
| P5-308 | 300 | 0.009 | 41.0 | 1270 | 118 | 10 | -10 | 1190 | 10000 | 9980 | 40 | -10 | 4 | 57.5 | 8 | 82 | 15 | 20 | 32 | 480 | 0.5 | -10 | 10 | 655 | 660 | 4 | 15 | -0.01 | 1.52 | 0.22 | 15.00 | 0.01 | 0.07 | -0.01 |
| P5-309 | 15 | 0.000 | 0.2 | 122 | 14 | 1 | -10 | 34 | 42 | 8790 | 15 | -10 | -2 | 20.5 | 38 | 15 | 20 | 10 | 13 | 2570 | 0.5 | -10 | 90 | 1905 | 240 | 2 | 25 | -0.01 | 0.21 | 0.97 | 15.00 | 0.10 | 0.08 | -0.01 |
| P5-310 | 510 | 0.015 | 29.0 | 628 | 38 | 4 | -10 | 25 | 1410 | 10000 | 9 | -10 | -2 | 49.5 | -1 | 15 | 17 | 40 | 15 | 2200 | -0.5 | -10 | -10 | 715 | 50 | -1 | 70 | -0.01 | 0.26 | 0.11 | 15.00 | -0.01 | 0.12 | -0.01 |
| P5-311 | -5 | 0.000 | 0.2 | 446 | 28 | 1 | -10 | 27 | 210 | 2750 | 29 | -10 | -2 | 1.0 | 10 | 298 | 26 | -10 | 52 | 500 | 0.5 | -10 | -10 | 2630 | 410 | -1 | 13 | -0.01 | 0.02 | 0.19 | 10.05 | -0.01 | 0.03 | -0.01 |
| P5-312 | 1370 | 0.040 | 200.0 | 1500 | 38 | 3 | -10 | 4130 | 9480 | 10000 | 10 | -10 | 36 | 99.0 | -1 | 13 | 2 | 30 | 12 | 420 | -0.5 | -10 | -10 | 280 | 80 | 1 | 3 | -0.01 | 0.48 | 0.15 | 15.00 | -0.01 | 0.05 | -0.01 |
| P5-313 | 2400 | 0.070 | 200.0 | 1420 | 28 | 6 | -10 | 6030 | 4200 | 10000 | 28 | -10 | 522 | 82.5 | -1 | 11 | 2 | 20 | 28 | 300 | -0.5 | -10 | -10 | 65 | 260 | -1 | 3 | -0.01 | 0.37 | 0.12 | 15.00 | -0.01 | 0.04 | -0.01 |
| P5-314 | 630 | 0.018 | 72.8 | 548 | 4 | 2 | -10 | 2820 | 7820 | 10000 | 5 | -10 | 6 | 61.5 | -1 | 16 | 3 | 20 | 17 | 570 | -0.5 | -10 | -10 | 315 | 30 | -1 | 8 | -0.01 | 0.47 | 2.12 | 15.00 | 0.04 | 0.08 | -0.01 |
| P5-315 | 1880 | 0.055 | 122.5 | 1080 | 62 | 6 | -10 | 2060 | 10000 | 10000 | 44 | -10 | 8 | 100.0 | -1 | 11 | -1 | 30 | 170 | 3970 | -0.5 | -10 | -10 | 5360 | 290 | -1 | 21 | -0.01 | 0.15 | 0.20 | 15.00 | -0.01 | 0.09 | -0.01 |
| P5-316 | 370 | 0.011 | 77.4 | 1125 | 38 | 6 | -10 | 3210 | 10000 | 10000 | 66 | -10 | -2 | 81.5 | 1 | 10 | 3 | 20 | 10 | 1680 | -0.5 | -10 | -10 | 5400 | 190 | -1 | 11 | -0.01 | 0.24 | 0.15 | 15.00 | -0.01 | 0.11 | -0.01 |
| P5-317 | 660 | 0.019 | 157.0 | 1585 | 196 | 4 | -10 | 3150 | 10000 | 10000 | 230 | -10 | 26 | 88.0 | -1 | 16 | 3 | 20 | 152 | 170 | -0.5 | -10 | -10 | 330 | 310 | -1 | 9 | -0.01 | 0.16 | 0.60 | 15.00 | 0.02 | 0.23 | -0.01 |
| P5-318 | 910 | 0.027 | 200.0 | 1440 | 42 | 5 | -10 | 2500 | 10000 | 10000 | 141 | -10 | 2 | 29.0 | -1 | 7 | 4 | -10 | 6 | 120 | -0.5 | -10 | -10 | 80 | 80 | -1 | 51 | -0.01 | 0.10 | 0.09 | 15.00 | 0.01 | 0.03 | 0.01 |
| P5-319 | 190 | 0.006 | 7.0 | 56 | 36 | 1 | -10 | 47 | 648 | 364 | 17 | -10 | -2 | -0.5 | 4 | 6 | 54 | 50 | 9 | 650 | -0.5 | -10 | -10 | 60 | 30 | -1 | 9 | -0.01 | 0.09 | 0.31 | 15.00 | 0.01 | 0.15 | -0.01 |
| P5-320 | 1370 | 0.040 | 1.6 | 392 | 142 | 2 | -10 | 284 | 1470 | 3910 | 40 | -10 | -2 | 3.5 | -1 | 21 | 13 | 20 | 65 | 670 | 0.5 | -10 | -10 | 100 | 180 | -1 | 56 | -0.01 | 0.42 | 1.64 | 15.00 | 0.07 | 0.50 | -0.01 |
| P5-343 | -5 | 0.000 | -0.2 | 6 | -2 | -1 | -10 | 3 | 6 | 80 | -1 | -10 | -2 | -0.5 | 4 | 12 | 6 | -10 | 5 | 520 | -0.5 | -10 | -10 | 1615 | 410 | 2 | 488 | -0.01 | 0.69 | 15.00 | 1.24 | 0.24 | 0.39 | -0.01 |
| P5-344 | -5 | 0.000 | -0.2 | 10 | -2 | -1 | -10 | 5 | 14 | 40 | 4 | -10 | -2 | -0.5 | -1 | 232 | 6 | -10 | 3 | 40 | -0.5 | -10 | -10 | 140 | 20 | -1 | 7 | -0.01 | 0.10 | 0.73 | 0.44 | 0.01 | 0.17 | -0.01 |
| **1996 Samples** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P6-090 | 2210 | 0.064 | 16.6 | 5270 | 204 | 0 | 0 | 4260 | 442 | 1215 | 16 | 10 | 78 | 2.5 | 61 | 69 | 74 | 0 | 297 | 130 | 1.0 | 0 | 0 | 120 | 90 | 1 | 75 | 0.00 | 0.35 | 1.60 | 15.00 | 0.04 | 1.20 | 0.00 |
| P6-091 | 825 | 0.024 | 12.2 | 512 | 184 | 0 | 0 | 6850 | 26 | 292 | 6 | 0 | 268 | 0.0 | 45 | 120 | 15 | 0 | 15 | 160 | 0.0 | 0 | 0 | 30 | 10 | 0 | 25 | 0.00 | 0.08 | 0.24 | 15.00 | 0.03 | 0.11 | 0.00 |
| P6-092 | 140 | 0.004 | 3.0 | 78 | 24 | 0 | 0 | 1970 | 26 | 170 | 18 | 0 | 152 | 2.5 | 13 | 9 | 5 | 10 | 6 | 20 | 0.5 | 0 | 0 | 335 | 110 | 0 | 142 | 0.00 | 0.04 | 15.00 | 1.82 | 0.00 | 7.85 | 0.00 |
| P6-093 | 1010 | 0.029 | 27.4 | 234 | 176 | 0 | 0 | 10000 | 16 | 5930 | 17 | 0 | 20 | 88.5 | 10 | 20 | 17 | 10 | 26 | 330 | 1.5 | 0 | 0 | 325 | -8888 | 1 | 130 | 0.00 | 0.20 | 11.80 | 3.15 | 0.05 | 6.41 | 0.00 |
| P6-094 | 0 | 0.000 | 0.0 | 4 | 0 | 0 | 0 | 56 | 6 | 26 | 0 | 0 | 2 | 0.5 | 1 | 44 | 6 | 0 | 7 | 10 | 0.5 | 0 | 40 | 150 | 1560 | 0 | 41 | 0.12 | 0.74 | 3.67 | 0.39 | 0.16 | 0.15 | 0.10 |
| P6-095 | 15 | 0.000 | 0.6 | 10 | 4 | 0 | 0 | 380 | 8 | 138 | 1 | 0 | 4 | 2.5 | 8 | 21 | 20 | 0 | 7 | 30 | 1.0 | 10 | 20 | 145 | 2490 | 0 | 145 | 0.09 | 2.36 | 8.73 | 1.44 | 0.14 | 0.25 | 0.16 |
| P6-096 | 0 | 0.000 | 0.0 | 4 | 0 | 0 | 0 | 13 | 0 | 6 | 1 | 0 | 0 | 0.0 | 1 | 303 | 8 | 0 | 3 | 230 | 0.0 | 0 | 0 | 70 | 310 | 0 | 15 | 0.03 | 0.34 | 0.92 | 0.47 | 0.04 | 0.04 | 0.02 |
| P6-097 | 95 | 0.003 | 1.4 | 48 | 6 | 0 | 0 | 41 | 222 | 1300 | 11 | 0 | 0 | 0.0 | 3 | 15 | 42 | 0 | 29 | 230 | 0.0 | 10 | 0 | 85 | 240 | 0 | 15 | 0.00 | 0.38 | 4.06 | 15.00 | 0.01 | 0.20 | 0.00 |
| P6-098 | 350 | 0.010 | 48.2 | 70 | 20 | 0 | 0 | 8710 | 40 | 8000 | 5 | 0 | 204 | 53.0 | 7 | 207 | 16 | 0 | 6 | 430 | 0.0 | 0 | 0 | 65 | 40 | 0 | 10 | 0.00 | 0.10 | 0.77 | 7.89 | 0.00 | 0.11 | 0.03 |
| P6-099 | 0 | 0.000 | 0.6 | 24 | 6 | 0 | 0 | 189 | 14 | 444 | 1 | 0 | 0 | 4.5 | 0 | 6 | 0 | 0 | 4 | 20 | 0.5 | 0 | 0 | 255 | 60 | 0 | 96 | 0.00 | 0.09 | 15.00 | 0.77 | 0.00 | 10.25 | 0.00 |
| P6-100 | 950 | 0.028 | 8.8 | 422 | 62 | 0 | 0 | 6340 | 60 | 3450 | 6 | 0 | 292 | 36.5 | 27 | 126 | 108 | 0 | 4 | 2180 | 0.0 | 0 | 0 | 145 | 10 | 0 | 38 | 0.00 | 0.15 | 3.95 | 8.98 | 0.01 | 0.53 | 0.00 |
| P6-101 | 5 | 0.000 | 1.8 | 652 | 64 | 4 | 0 | 17 | 1605 | 4470 | 21 | 0 | 0 | 4.0 | 1 | 64 | 15 | 0 | 31 | 1400 | 0.0 | 0 | 0 | 45 | 220 | 0 | 99 | 0.00 | 0.13 | 0.25 | 15.00 | 0.00 | 0.11 | 0.00 |
| P6-102 | 20 | 0.001 | 3.6 | 38 | 16 | 6 | 0 | 19 | 12 | 24 | 7 | 0 | 0 | 0.5 | 0 | 346 | 7 | 0 | 3 | 1790 | 0.0 | 0 | 0 | 50 | 120 | 0 | 81 | 0.00 | 0.05 | 0.21 | 0.57 | 0.06 | 0.01 | 0.00 |
| P6-103 | 10 | 0.000 | 2.2 | 56 | 30 | 4 | 0 | 10 | 6 | 8 | 16 | 0 | 0 | 0.0 | 1 | 389 | 8 | 0 | 5 | 780 | 0.0 | 0 | 0 | 65 | 230 | 0 | 38 | 0.00 | 0.09 | 0.40 | 0.96 | 0.12 | 0.06 | 0.01 |
| P6-104 | 0 | 0.000 | 0.2 | 396 | 44 | 5 | 10 | 12 | 8 | 2 | 19 | 0 | 0 | 0.0 | 2 | 318 | 6 | 0 | 74 | 160 | 0.0 | 0 | 0 | 30 | 360 | 0 | 14 | 0.00 | 0.13 | 0.04 | 4.93 | 0.68 | 0.01 | 0.03 |
| P6-105 | 15 | 0.000 | 2.2 | 334 | 48 | 1 | 0 | 3 | 4190 | 6340 | 30 | 0 | 0 | 11.0 | 1 | 58 | 11 | 0 | 8 | 1710 | 0.0 | 10 | 0 | 55 | 140 | 0 | 76 | 0.00 | 0.17 | 1.86 | 15.00 | 0.02 | 0.17 | 0.01 |
| P6-106 | 10 | 0.000 | 3.4 | 54 | 38 | 1 | 0 | 0 | 2070 | 3810 | 26 | 0 | 0 | 0.0 | 2 | 7 | 66 | 0 | 1 | 1210 | 0.0 | 20 | 0 | 300 | 10 | 0 | 113 | 0.00 | 0.16 | 0.18 | 15.00 | 0.00 | 0.20 | 0.00 |
| P6-107 | 0 | 0.000 | 1.4 | 52 | 6 | 0 | 0 | 1 | 150 | 2680 | 7 | 0 | 0 | 13.5 | 0 | 4 | 9 | 0 | 0 | 2600 | 0.5 | 0 | 0 | 635 | 40 | 0 | 82 | 0.00 | 0.04 | 14.25 | 3.90 | 0.00 | 9.55 | 0.01 |
| P6-108 | 0 | 0.000 | 0.2 | 446 | 26 | 0 | 0 | 35 | 34 | 116 | 3 | 0 | 0 | 0.5 | 21 | 47 | 140 | 0 | 34 | 430 | 0.0 | 0 | 10 | 575 | 880 | 11 | 19 | 0.00 | 0.92 | 6.46 | 4.97 | 0.00 | 0.09 | 0.00 |
| P6-109 | 0 | 0.000 | 0.4 | 28 | 2 | 0 | 0 | 4 | 26 | 32 | 1 | 0 | 6 | 2.0 | 0 | 3 | 8 | 10 | 6 | 1120 | 0.5 | 0 | 0 | 165 | 100 | 0 | 192 | 0.00 | 0.07 | 15.00 | 0.74 | 0.04 | 0.19 | 0.01 |
| P6-139 | 0 | 0.000 | 0.2 | 18 | 10 | 1 | 0 | 3 | 10 | 52 | 0 | 0 | 0 | 0.0 | 0 | 16 | 4 | 0 | 6 | 90 | 0.0 | 0 | 0 | 250 | 60 | 0 | 56 | 0.00 | 0.06 | 15.00 | 0.44 | 0.01 | 8.87 | 0.00 |
| P6-140 | 10 | 0.000 | 0.2 | 18 | 8 | 0 | 0 | 2 | 34 | 18 | 0 | 0 | 0 | 0.0 | 0 | 4 | 1 | 0 | 11 | 50 | 0.0 | 0 | 0 | 175 | 40 | 0 | 104 | 0.00 | 0.01 | 15.00 | 0.99 | 0.00 | 5.31 | 0.00 |
| P6-141 | 0 | 0.000 | 0.0 | 18 | 8 | 1 | 0 | 4 | 4 | 54 | 0 | 0 | 2 | 0.0 | 0 | 4 | 2 | 0 | 4 | 100 | 0.0 | 0 | 0 | 125 | 40 | 0 | 53 | 0.00 | 0.01 | 15.00 | 0.26 | 0.00 | 9.76 | 0.00 |
| P6-142 | 10 | 0.000 | 0.0 | 206 | 30 | 0 | 0 | 28 | 952 | 692 | 26 | 0 | 0 | 0.0 | 5 | 5 | 33 | 0 | 100 | 140 | 0.5 | 10 | 0 | 370 | 60 | 1 | 111 | 0.00 | 0.10 | 12.50 | 15.00 | 0.01 | 5.28 | 0.00 |
| P6-143 | 250 | 0.007 | 1.4 | 474 | 30 | 5 | 0 | 30 | 2560 | 6990 | 19 | 60 | 0 | 5.0 | 5 | 18 | 29 | 0 | 318 | 1820 | 0.0 | 20 | 0 | 40 | 210 | 0 | 52 | 0.00 | 0.04 | 1.12 | 15.00 | 0.00 | 0.39 | 0.00 |
| P6-144 | 0 | 0.000 | 0.0 | 6 | 0 | 0 | 0 | 14 | 6 | 28 | 1 | 0 | 0 | 0.0 | 0 | 259 | 5 | 0 | 5 | 200 | 0.0 | 0 | 0 | 120 | 70 | 0 | 11 | 0.00 | 0.06 | 1.26 | 0.46 | 0.02 | 0.07 | 0.00 |
| P6-145 | 0 | 0.000 | 0.2 | 40 | 8 | 0 | 0 | 2 | 44 | 182 | 0 | 0 | 2 | 0.0 | 0 | 11 | 5 | 0 | 17 | 1090 | 0.0 | 0 | 0 | 305 | 50 | 0 | 45 | 0.00 | 0.04 | 14.70 | 1.02 | 0.00 | 8.48 | 0.00 |
| P6-146 | 125 | 0.004 | 0.8 | 1445 | 124 | 0 | 0 | 1360 | 24 | 360 | 1 | 10 | 68 | 0.0 | 5 | 25 | 9 | 0 | 78 | 30 | 0.0 | 0 | 0 | 220 | 10 | 0 | 57 | 0.00 | 0.01 | 12.60 | 3.32 | 0.00 | 7.27 | 0.00 |
| P6-147 | 0 | 0.000 | 0.2 | 34 | 2 | 0 | 0 | 5 | 6 | 8 | 0 | 0 | 0 | 0.0 | 0 | 15 | 0 | 0 | 1 | 0 | 0.0 | 0 | 0 | 290 | 120 | 0 | 450 | 0.00 | 0.09 | 15.00 | 0.67 | 0.05 | 1.59 | 0.00 |
| P6-148 | 0 | 0.000 | 0.2 | 232 | 8 | 0 | 0 | 10 | 4 | 40 | 0 | 0 | 0 | 0.0 | 6 | 21 | 24 | 0 | 19 | 40 | 0.0 | 0 | 0 | 635 | 400 | 3 | 311 | 0.00 | 0.26 | 14.15 | 1.95 | 0.11 | 5.61 | 0.00 |
| P6-149 | 1470 | 0.043 | 6.0 | 1705 | 32 | 0 | 0 | 5040 | 12 | 2890 | 10 | 10 | 416 | 7.5 | 19 | 62 | 8 | 0 | 45 | 40 | 0.0 | 10 | 0 | 50 | 40 | 0 | 35 | 0.00 | 0.21 | 1.08 | 15.00 | 0.00 | 0.21 | 0.00 |
| P6-150 | 435 | 0.013 | 0.4 | 28 | 8 | 1 | 0 | 68 | 8 | 30 | 22 | 0 | 36 | 0.0 | 3 | 9 | 3 | 0 | 4 | 50 | 0.0 | 0 | 0 | 760 | 60 | 2 | 371 | 0.00 | 0.39 | 15.00 | 1.25 | 0.05 | 5.48 | 0.00 |
| P6-151 | 565 | 0.016 | 16.8 | 78 | 6 | 0 | 0 | 10000 | 26 | 722 | 3 | 0 | -8888 | 8.5 | 83 | 26 | 14 | 10 | 77 | 610 | 0.5 | 10 | 0 | 205 | -8888 | 5 | 57 | 0.00 | 1.33 | 2.64 | 6.11 | 0.59 | 2.26 | 0.00 |
| P6-152 | 700 | 0.020 | 13.6 | 406 | 54 | 0 | 0 | 6500 | 54 | 1630 | 8 | 10 | 350 | 4.5 | 6 | 91 | 11 | 0 | 78 | 30 | 0.0 | 0 | 0 | 45 | 200 | 0 | 21 | 0.00 | 0.14 | 0.42 | 14.90 | 0.01 | 0.10 | 0.00 |
| P6-153 | 155 | 0.005 | 4.6 | 86 | 22 | 0 | 0 | 1945 | 48 | 550 | 6 | 0 | 128 | 2.0 | 3 | 135 | 7 | 0 | 31 | 50 | 0.0 | 0 | 0 | 105 | 70 | 0 | 37 | 0.00 | 0.03 | 3.16 | 4.48 | 0.00 | 0.57 | 0.00 |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Au ppb | Au opt | Ag ppm | As ppm | Sb ppm | Hg ppm | Tl ppm | Cu ppm | Pb ppm | Zn ppm | Mo ppm | W ppm | Bi ppm | Cd ppm | Co ppm | Cr ppm | Ni ppm | U ppm | V ppm | Ba ppm | Be ppm | Ga ppm | La ppm | Mn ppm | P ppm | Sc ppm | Sr ppm | Ti % | Al % | Ca % | Fe % | K % | Mg % | Na % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6-154 | 285 | 0.008 | 14.6 | 190 | 28 | 0 | 0 | 6130 | 48 | 1735 | 4 | 10 | 154 | 8.0 | 6 | 62 | 13 | 0 | 114 | 120 | 0.0 | 0 | 0 | 165 | 140 | 0 | 82 | 0.00 | 0.09 | 7.57 | 8.70 | 0.01 | 0.70 | 0.00 |
| P6-155 | 710 | 0.021 | 21.8 | 198 | 74 | 0 | 0 | 9160 | 58 | 2070 | 5 | 10 | 1320 | 24.0 | 5 | 88 | 10 | 0 | 49 | 160 | 0.0 | 0 | 0 | 70 | 0 | 0 | 35 | 0.00 | 0.02 | 3.52 | 6.98 | 0.00 | 1.40 | 0.00 |
| P6-156 | 10 | 0.000 | 0.2 | 68 | 14 | 0 | 0 | 187 | 2 | 92 | 0 | 0 | 12 | 0.0 | 8 | 95 | 43 | 0 | 21 | 30 | 0.0 | 0 | 0 | 375 | 200 | 4 | 229 | 0.00 | 0.50 | 15.00 | 1.35 | 0.08 | 9.32 | 0.00 |
| P6-157 | 5 | 0.000 | 0.2 | 12 | 6 | 0 | 0 | 92 | 2 | 30 | 0 | 0 | 6 | 0.0 | 0 | 44 | 3 | 0 | 3 | 0 | 0.0 | 0 | 0 | 305 | 10 | 0 | 163 | 0.00 | 0.03 | 12.90 | 0.49 | 0.00 | 7.57 | 0.00 |
| P6-158 | 0 | 0.000 | 0.2 | 30 | 10 | 0 | 0 | 56 | 4 | 20 | 0 | 0 | 8 | 0.0 | 3 | 8 | 10 | 0 | 14 | 40 | 0.0 | 0 | 0 | 555 | 100 | 0 | 347 | 0.00 | 0.08 | 15.00 | 1.40 | 0.01 | 8.35 | 0.00 |
| P6-159 | 5 | 0.000 | 0.0 | 28 | 6 | 0 | 0 | 189 | 2 | 32 | 1 | 0 | 0 | 0.0 | 0 | 46 | 4 | 0 | 12 | 40 | 0.0 | 0 | 20 | 25 | 70 | 0 | 13 | 0.00 | 0.32 | 0.77 | 0.74 | 0.12 | 0.37 | 0.00 |
| P6-160 | 0 | 0.000 | 0.2 | 42 | 10 | 0 | 0 | 12 | 6 | 18 | 0 | 0 | 4 | 0.0 | 0 | 4 | 7 | 0 | 6 | 30 | 0.0 | 0 | 0 | 345 | 40 | 0 | 212 | 0.00 | 0.04 | 15.00 | 0.63 | 0.00 | 8.69 | 0.00 |
| P6-161 | 0 | 0.000 | 0.2 | 30 | 8 | 0 | 0 | 10 | 4 | 10 | 0 | 0 | 4 | 0.0 | 4 | 2 | 14 | 0 | 4 | 70 | 0.0 | 0 | 0 | 235 | 30 | 1 | 214 | 0.00 | 0.02 | 15.00 | 0.37 | 0.00 | 9.91 | 0.00 |
| P6-162 | 5 | 0.000 | 0.6 | 14 | 8 | 0 | 0 | 785 | 2 | 116 | 0 | 0 | 6 | 2.5 | 0 | 4 | 7 | 0 | 4 | 30 | 0.0 | 0 | 0 | 340 | 30 | 0 | 140 | 0.00 | 0.03 | 15.00 | 0.95 | 0.00 | 8.51 | 0.00 |
| P6-163 | 245 | 0.007 | 37.0 | 34 | 10 | 0 | 0 | 3310 | 12 | 574 | 4 | 0 | 106 | 1.5 | 15 | 123 | 15 | 0 | 7 | 30 | 0.0 | 0 | 0 | 35 | 50 | 0 | 10 | 0.00 | 0.18 | 0.61 | 7.51 | 0.01 | 0.20 | 0.00 |
| P6-164 | 0 | 0.000 | 0.0 | 6 | 2 | 0 | 0 | 48 | 0 | 100 | 0 | 0 | 0 | 0.0 | 33 | 129 | 109 | 0 | 140 | 70 | 0.0 | 10 | 10 | 705 | 1340 | 4 | 54 | 0.52 | 1.17 | 1.18 | 6.36 | 0.10 | 2.67 | 0.11 |
| P6-165 | 50 | 0.001 | 0.4 | 424 | 50 | 0 | 0 | 705 | 8 | 34 | 18 | 0 | 8 | 0.0 | 1 | 34 | 6 | 0 | 30 | 10 | 0.5 | 0 | 0 | 280 | 50 | 0 | 133 | 0.00 | 0.03 | 10.90 | 3.35 | 0.00 | 5.96 | 0.00 |
| P6-166 | 385 | 0.011 | 2.6 | 550 | 52 | 0 | 0 | 2880 | 18 | 210 | 20 | 0 | 284 | 0.0 | 5 | 138 | 15 | 0 | 6 | 210 | 0.0 | 0 | 0 | 45 | 0 | 0 | 14 | 0.00 | 0.01 | 1.03 | 10.55 | 0.00 | 0.15 | 0.00 |
| P6-167 | 2200 | 0.064 | 15.8 | 132 | 32 | 0 | 0 | 2390 | 12 | 338 | 5 | 0 | 724 | 1.0 | 7 | 129 | 14 | 0 | 26 | 50 | 0.0 | 0 | 0 | 35 | 130 | 0 | 15 | 0.00 | 0.14 | 0.67 | 9.35 | 0.01 | 0.10 | 0.00 |
| L6-014 | 20 | 0.001 | 2.2 | 12 | 2 | 0 | 0 | 1840 | 16 | 240 | 4 | 0 | 0 | 6.5 | 0 | 15 | 1 | 10 | 12 | 120 | 0.5 | 0 | 0 | 370 | 450 | 0 | 151 | 0.03 | 0.69 | 15.00 | 0.60 | 0.77 | 9.64 | 0.00 |
| L6-015 | 495 | 0.014 | 11.6 | 30 | 4 | 0 | 0 | 6320 | 14 | 514 | 9 | 0 | 2 | 3.0 | 12 | 86 | 44 | 0 | 64 | 50 | 0.0 | 0 | 0 | 225 | 220 | 0 | 91 | 0.00 | 0.16 | 10.40 | 4.10 | 0.07 | 5.27 | 0.00 |
| L6-016 | 10 | 0.000 | 7.0 | 36 | 2 | 0 | 0 | 8340 | 12 | 542 | 31 | 0 | 4 | 2.5 | 9 | 84 | 3 | 0 | 36 | 50 | 0.5 | 0 | 10 | 545 | 30 | 1 | 9 | 0.00 | 0.55 | 0.35 | 3.18 | 0.15 | 0.17 | 0.01 |
| L6-017 | 0 | 0.000 | 0.8 | 16 | 4 | 0 | 0 | 58 | 18 | 38 | 1 | 0 | 0 | 1.5 | 1 | 8 | 2 | 0 | 6 | 50 | 0.5 | 0 | 10 | 260 | 1180 | 0 | 77 | 0.03 | 0.64 | 15.00 | 0.89 | 0.40 | 9.83 | 0.00 |
| L6-018 | 155 | 0.005 | 1.6 | 170 | 40 | 1 | 0 | 18 | 1085 | 314 | 15 | 0 | 0 | 0.0 | 3 | 68 | 24 | 0 | 125 | 1460 | 0.0 | 10 | 0 | 130 | 70 | 0 | 58 | 0.00 | 0.14 | 0.72 | 15.00 | 0.01 | 0.32 | 0.00 |
| L6-019 | 70 | 0.002 | 2.6 | 28 | 4 | 0 | 0 | 1370 | 14 | 3510 | 1 | 0 | 0 | 52.5 | 1 | 7 | 0 | 0 | 6 | 70 | 0.5 | 0 | 0 | 270 | 230 | 0 | 122 | 0.03 | 0.54 | 14.75 | 0.77 | 0.31 | 9.81 | 0.01 |
| L6-020 | 80 | 0.002 | 1.0 | 68 | 16 | 1 | 0 | 43 | 934 | 64 | 5 | 0 | 0 | 0.0 | 3 | 91 | 4 | 0 | 48 | 180 | 0.0 | 0 | 0 | 35 | 90 | 0 | 15 | 0.00 | 0.26 | 0.43 | 15.00 | 0.07 | 0.17 | 0.00 |
| L6-021 | 465 | 0.014 | 23.2 | 70 | 12 | 0 | 0 | 10000 | 22 | 868 | 4 | 30 | 260 | 7.5 | 29 | 698 | 165 | 0 | 224 | 580 | 1.0 | 0 | 20 | 240 | -8888 | 20 | 84 | 0.21 | 5.40 | 1.93 | 6.30 | 4.09 | 9.35 | 0.00 |
| L6-022 | 180 | 0.005 | 62.6 | 26 | 56 | 0 | 0 | 9300 | 7350 | 3720 | 4 | 0 | 112 | 95.0 | 5 | 113 | 10 | 0 | 12 | 20 | 0.5 | 0 | 0 | 425 | 0 | 0 | 71 | 0.00 | 0.30 | 6.32 | 1.95 | 0.01 | 0.65 | 0.00 |
| L6-023 | 125 | 0.004 | 0.8 | 152 | 14 | 0 | 0 | 48 | 878 | 1225 | 22 | 0 | 0 | 0.0 | 2 | 45 | 7 | 0 | 121 | 40 | 0.5 | 0 | 0 | 80 | 150 | 0 | 42 | 0.00 | 0.08 | 7.31 | 14.00 | 0.00 | 3.93 | 0.00 |
| L6-024 | 215 | 0.006 | 0.6 | 220 | 42 | 5 | 0 | 141 | 2120 | 4330 | 13 | 0 | 0 | 0.0 | 1 | 39 | 12 | 0 | 144 | 110 | 1.5 | 10 | 0 | 30 | 530 | 0 | 15 | 0.00 | 0.16 | 0.37 | 15.00 | 0.03 | 0.13 | 0.00 |
| L6-025 | 185 | 0.005 | 1.6 | 316 | 34 | 3 | 0 | 288 | 1475 | 9540 | 39 | 0 | 0 | 2.5 | 0 | 22 | 21 | 0 | 184 | 40 | 3.0 | 10 | 0 | 45 | 770 | 1 | 18 | 0.00 | 0.26 | 0.67 | 15.00 | 0.04 | 0.19 | 0.05 |
| L6-026 | 130 | 0.004 | 16.6 | 146 | 22 | 0 | 0 | 8650 | 24 | 314 | 3 | 0 | 622 | 4.0 | 6 | 117 | 16 | 0 | 18 | 330 | 0.0 | 0 | 0 | 60 | 260 | 0 | 38 | 0.00 | 0.07 | 3.08 | 4.51 | 0.03 | 1.15 | 0.00 |
| L6-027 | 450 | 0.013 | 12.2 | 764 | 10 | 0 | 0 | 4780 | 14 | 10000 | 5 | 0 | 68 | 100.0 | 4 | 82 | 6 | 0 | 24 | 40 | 0.0 | 0 | 0 | 120 | 80 | 0 | 42 | 0.00 | 0.21 | 4.27 | 5.07 | 0.07 | 1.86 | 0.18 |
| L6-028 | 8450 | 0.246 | 15.6 | 3620 | 20 | 0 | 0 | 10000 | 12 | 5950 | 8 | 0 | 1340 | 35.0 | 19 | 82 | 20 | 0 | 15 | 80 | 0.5 | 10 | 0 | 90 | -8888 | 0 | 53 | 0.00 | 0.40 | 1.43 | 15.00 | 0.04 | 0.51 | 0.01 |
| L6-029 | 15 | 0.000 | 0.0 | 6 | 2 | 0 | 0 | 60 | 12 | 58 | 1 | 0 | 6 | 1.0 | 7 | 48 | 21 | 0 | 38 | 20 | 1.0 | 10 | 0 | 130 | 350 | 2 | 522 | 0.21 | 4.09 | 10.80 | 1.74 | 0.62 | 1.61 | 0.28 |
| L6-030 | 10 | 0.000 | 0.2 | 908 | 14 | 0 | 0 | 119 | 14 | 322 | 3 | 0 | 0 | 0.5 | 20 | 200 | 148 | 0 | 230 | 280 | 0.5 | 0 | 30 | 20 | 1960 | 20 | 249 | 0.00 | 1.74 | 0.44 | 12.50 | 0.35 | 0.25 | 0.00 |
| L6-031 | 20 | 0.001 | 1.0 | 2350 | 32 | 0 | 0 | 35 | 30 | 184 | 3 | 0 | 0 | 0.0 | 21 | 51 | 144 | 0 | 200 | 540 | 0.5 | 0 | 10 | 40 | 360 | 8 | 26 | 0.00 | 1.12 | 0.70 | 15.00 | 0.09 | 0.14 | 0.00 |
| L6-032 | 755 | 0.022 | 58.6 | 1380 | 258 | 0 | 0 | 10000 | 164 | 2900 | 12 | 0 | 70 | 16.0 | 21 | 172 | 21 | 0 | 53 | 140 | 0.5 | 0 | 0 | 45 | -8888 | 0 | 22 | 0.00 | 0.08 | 0.71 | 10.25 | 0.02 | 0.14 | 0.00 |
| L6-033 | 625 | 0.018 | 15.4 | 224 | 164 | 0 | 0 | 1850 | 172 | 7850 | 4 | 0 | 212 | 38.0 | 3 | 75 | 5 | 0 | 44 | 610 | 0.0 | 30 | 10 | 15 | 320 | 2 | 18 | 0.00 | 0.51 | 0.15 | 14.05 | 0.05 | 0.05 | 0.05 |
| L6-034 | 1060 | 0.031 | 34.4 | 1205 | 332 | 0 | 0 | 9520 | 346 | 2800 | 51 | 0 | 44 | 12.0 | 76 | 47 | 63 | 0 | 145 | 250 | 0.5 | 0 | 0 | 35 | 80 | 0 | 40 | 0.00 | 0.21 | 0.42 | 15.00 | 0.02 | 0.17 | 0.00 |
| L6-035 | 500 | 0.015 | 100.0 | 488 | 984 | 0 | 0 | 10000 | 1910 | 5010 | 24 | 0 | 1280 | 32.0 | 8 | 118 | 15 | 0 | 41 | 60 | 0.5 | 0 | 0 | 50 | -8888 | 0 | 26 | 0.00 | 0.07 | 1.47 | 13.10 | 0.01 | 0.55 | 0.00 |
| L6-036 | 1230 | 0.036 | 6.4 | 808 | 204 | 0 | 0 | 2730 | 526 | 708 | 10 | 10 | 1160 | 1.5 | 10 | 125 | 34 | 0 | 53 | 140 | 1.5 | 0 | 0 | 125 | 40 | 0 | 26 | 0.00 | 0.09 | 2.21 | 11.10 | 0.01 | 1.12 | 0.00 |
| L6-037 | 0 | 0.000 | 0.6 | 78 | 6 | 0 | 0 | 39 | 20 | 18 | 1 | 0 | 0 | 1.5 | 0 | 9 | 2 | 10 | 6 | 0 | 0.5 | 0 | 0 | 120 | 100 | 0 | 46 | 0.00 | 0.13 | 15.00 | 0.44 | 0.02 | 11.30 | 0.00 |
| L6-038 | 6950 | 0.203 | 3.8 | 10000 | 74 | 0 | 0 | 96 | 30 | 6 | 4 | 0 | 768 | 0.0 | 1 | 13 | 2 | 10 | 0 | 30 | 0.5 | 0 | 0 | 0 | 0 | 0 | 21 | 0.00 | 0.07 | 0.08 | 15.00 | 0.00 | 0.02 | 0.00 |
| L6-039 | 3710 | 0.108 | 2.2 | 10000 | 84 | 0 | 0 | 237 | 38 | 22 | 9 | 0 | 706 | 0.0 | 2 | 10 | 2 | 30 | 3 | 80 | 0.5 | 0 | 0 | 0 | 30 | 0 | 2060 | 0.00 | 0.47 | 3.99 | 15.00 | 0.82 | 0.10 | 0.01 |
| L6-040 | 445 | 0.013 | 0.8 | 654 | 32 | 0 | 0 | 42 | 1795 | 2490 | 15 | 0 | 0 | 0.0 | 3 | 38 | 56 | 0 | 289 | 280 | 1.0 | 10 | 0 | 70 | 340 | 0 | 63 | 0.00 | 0.12 | 4.36 | 15.00 | 0.01 | 2.38 | 0.00 |
| L6-041 | 600 | 0.017 | 21.0 | 5990 | 32 | 6 | 0 | 18 | 10000 | 28 | 13 | 0 | 24 | 0.0 | 0 | 267 | 5 | 0 | 11 | 1640 | 0.0 | 0 | 50 | 20 | 90 | 0 | 77 | 0.00 | 0.01 | 0.04 | 0.92 | 0.00 | 0.01 | 0.00 |
| L6-042 | 15 | 0.000 | 0.0 | 286 | 10 | 1 | 0 | 7 | 16 | 14 | 5 | 0 | 0 | 0.0 | 1 | 77 | 5 | 0 | 6 | 1430 | 0.0 | 0 | 20 | 5 | 300 | 0 | 186 | 0.00 | 0.05 | 0.04 | 0.80 | 0.07 | 0.00 | 0.00 |
| L6-043 | 95 | 0.003 | 4.4 | 942 | 34 | 3 | 0 | 22 | 62 | 12 | 5 | 0 | 0 | 0.0 | 3 | 349 | 10 | 0 | 32 | 560 | 0.0 | 0 | 0 | 40 | 260 | 1 | 47 | 0.00 | 0.24 | 0.15 | 5.10 | 0.25 | 0.01 | 0.01 |
| L6-044 | 20 | 0.001 | 3.4 | 324 | 20 | 0 | 0 | 30 | 592 | 350 | 3 | 0 | 0 | 0.5 | 2 | 249 | 7 | 0 | 18 | 2660 | 0.0 | 0 | 0 | 80 | 480 | 0 | 37 | 0.00 | 0.23 | 0.40 | 3.67 | 0.09 | 0.05 | 0.01 |
| L6-045 | 5 | 0.000 | 0.8 | 314 | 18 | 1 | 0 | 33 | 32 | 122 | 5 | 0 | 0 | 0.0 | 6 | 233 | 36 | 0 | 65 | 700 | 0.0 | 0 | 0 | 65 | 810 | 1 | 68 | 0.00 | 0.31 | 0.38 | 3.50 | 0.27 | 0.07 | 0.02 |
| L6-046 | 15 | 0.000 | 0.4 | 166 | 32 | 1 | 0 | 23 | 12 | 58 | 15 | 0 | 0 | 0.5 | 2 | 288 | 7 | 0 | 26 | 630 | 0.0 | 0 | 0 | 45 | 350 | 0 | 75 | 0.00 | 0.19 | 0.05 | 1.54 | 0.14 | 0.01 | 0.02 |
| L6-047 | 8750 | 0.255 | 1.0 | 1505 | 6 | 3 | 0 | 53 | 12 | 36 | 7 | 0 | 0 | 0.5 | 2 | 172 | 20 | 0 | 41 | 500 | 0.0 | 0 | 0 | 20 | 1600 | 3 | 95 | 0.00 | 0.39 | 0.40 | 2.39 | 0.24 | 0.05 | 0.00 |
| L6-048 | 25 | 0.001 | 0.2 | 66 | 10 | 0 | 0 | 5 | 74 | 414 | 3 | 0 | 0 | 5.0 | 1 | 9 | 15 | 10 | 16 | 2750 | 0.5 | 0 | 0 | 465 | 260 | 0 | 90 | 0.00 | 0.15 | 15.00 | 1.06 | 0.06 | 4.52 | 0.00 |
| L6-053 | 30 | 0.001 | 0.2 | 96 | 2 | 0 | 0 | 11 | 2 | 70 | 4 | 0 | 0 | 0.0 | 0 | 201 | 10 | 0 | 21 | 230 | 0.0 | 0 | 0 | 90 | 320 | 0 | 20 | 0.00 | 0.13 | 2.83 | 1.04 | 0.06 | 0.24 | 0.00 |
| L6-054 | 470 | 0.014 | 0.6 | 362 | 0 | 0 | 0 | 35 | 8 | 6 | 3 | 0 | 0 | 0.0 | 0 | 139 | 12 | 0 | 44 | 500 | 0.0 | 0 | 0 | 15 | 3700 | 3 | 245 | 0.00 | 0.59 | 0.72 | 1.17 | 0.29 | 0.06 | 0.00 |
| L6-055 | 45 | 0.001 | 1.2 | 100 | 4 | 0 | 0 | 34 | 28 | 2 | 6 | 0 | 0 | 0.0 | 1 | 166 | 11 | 0 | 33 | 190 | 0.0 | 0 | 0 | 15 | 840 | 1 | 194 | 0.00 | 0.33 | 0.16 | 2.56 | 0.35 | 0.04 | 0.02 |
| L6-056 | 5 | 0.000 | 0.0 | 28 | 2 | 0 | 0 | 14 | 2 | 110 | 4 | 0 | 0 | 1.0 | 2 | 101 | 27 | 0 | 14 | 70 | 0.0 | 0 | 0 | 920 | 190 | 1 | 41 | 0.00 | 0.07 | 11.65 | 3.82 | 0.05 | 0.14 | 0.00 |
| L6-057 | 105 | 0.003 | 0.6 | 232 | 0 | 3 | 0 | 49 | 12 | 14 | 7 | 0 | 0 | 0.0 | 4 | 192 | 27 | 0 | 36 | 120 | 0.0 | 0 | 0 | 25 | 970 | 1 | 88 | 0.00 | 0.36 | 0.33 | 3.12 | 0.25 | 0.04 | 0.01 |
| L6-058 | 5 | 0.000 | 0.0 | 6 | 0 | 1 | 0 | 7 | 0 | 72 | 3 | 0 | 0 | 0.0 | 0 | 179 | 7 | 0 | 7 | 30 | 0.0 | 0 | 0 | 65 | 180 | 0 | 21 | 0.00 | 0.07 | 2.77 | 0.29 | 0.03 | 0.09 | 0.00 |
| L6-059 | 0 | 0.000 | 0.0 | 26 | 0 | 0 | 0 | 9 | 2 | 36 | 1 | 0 | 0 | 0.0 | 1 | 54 | 11 | 0 | 15 | 260 | 0.0 | 0 | 0 | 595 | 230 | 1 | 55 | 0.00 | 0.08 | 14.95 | 2.94 | 0.04 | 0.24 | 0.00 |
| L6-060 | 0 | 0.000 | 0.0 | 30 | 6 | 0 | 0 | 10 | 4 | 72 | 3 | 0 | 0 | 0.0 | 0 | 112 | 12 | 0 | 14 | 50 | 0.0 | 0 | 0 | 115 | 490 | 3 | 56 | 0.00 | 0.36 | 4.22 | 0.91 | 0.18 | 2.44 | 0.00 |
| L6-061 | 50 | 0.001 | 0.0 | 54 | 6 | 1 | 0 | 9 | 6 | 22 | 6 | 0 | 0 | 0.0 | 1 | 155 | 16 | 0 | 21 | 40 | 0.0 | 0 | 0 | 190 | 460 | 3 | 44 | 0.00 | 0.24 | 4.12 | 0.94 | 0.13 | 1.69 | 0.00 |
| L6-062 | 5 | 0.000 | 0.0 | 6 | 6 | 1 | 0 | 5 | 8 | 0 | 0 | 0 | 2 | 0.0 | 0 | 8 | 0 | 0 | 1 | 40 | 0.0 | 0 | 0 | 420 | 370 | 0 | 401 | 0.00 | 0.06 | 15.00 | 0.11 | 0.00 | 9.56 | 0.00 |
| L6-063 | 5250 | 0.153 | 6.0 | 4910 | 0 | 0 | 0 | 3260 | 0 | 3380 | 8 | 30 | 990 | 36.0 | 13 | 130 | 11 | 0 | 15 | 60 | 0.0 | 0 | 0 | 60 | 180 | 0 | 103 | 0.00 | 0.14 | 0.84 | 15.00 | 0.05 | 0.22 | 0.00 |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Au ppb | Au opt | Ag ppm | As ppm | Sb ppm | Hg ppm | Tl ppm | Cu ppm | Pb ppm | Zn ppm | Mo ppm | W ppm | Bi ppm | Cd ppm | Co ppm | Cr ppm | Ni ppm | U ppm | V ppm | Ba ppm | Be ppm | Ga ppm | La ppm | Mn ppm | P ppm | Sc ppm | Sr ppm | Ti % | Al % | Ca % | Fe % | K % | Mg % | Na % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L6-064 | 1170 | 0.034 | 30.0 | 2270 | 20 | 0 | 0 | 10000 | 6 | 8080 | 4 | 0 | -8888 | 22.0 | 5 | 161 | 20 | 0 | 84 | 50 | 0.0 | 0 | 0 | 45 | -8888 | 0 | 26 | 0.00 | 0.35 | 0.42 | 11.90 | 0.02 | 0.28 | 0.00 |
| L6-065 | 25 | 0.001 | 0.0 | 4 | 4 | 0 | 0 | 29 | 12 | 8 | 3 | 0 | 0 | 0.0 | 0 | 246 | 4 | 0 | 6 | 80 | 0.0 | 0 | 0 | 120 | 30 | 0 | 9 | 0.00 | 0.44 | 0.25 | 0.52 | 0.12 | 0.07 | 0.06 |
| L6-066 | 80 | 0.002 | 100.0 | 450 | 58 | 6 | 0 | 236 | 10000 | 10000 | 25 | 0 | 4 | 500.0 | 1 | 21 | 4 | 10 | 39 | 30 | 0.0 | 0 | 0 | 6390 | 1060 | 0 | 119 | 0.00 | 0.02 | 8.95 | 4.56 | 0.00 | 4.15 | 0.00 |
| L6-067 | 290 | 0.008 | 100.0 | 1860 | 202 | 9 | 0 | 1350 | 10000 | 10000 | 2 | 0 | 6 | 57.0 | 0 | 70 | 3 | 10 | 958 | 50 | 0.0 | 0 | 0 | 1065 | 760 | 0 | 54 | 0.00 | 0.04 | 1.15 | 10.70 | 0.00 | 0.20 | 0.00 |
| L6-068 | 1000 | 0.029 | 100.0 | 1935 | 116 | 0 | 0 | 1185 | 10000 | 10000 | 11 | 0 | 0 | 69.0 | 0 | 33 | 1 | 20 | 7 | 30 | 0.0 | 0 | 0 | 1515 | 120 | 0 | 92 | 0.00 | 0.03 | 2.16 | 15.00 | 0.00 | 0.13 | 0.00 |
| L6-069 | 735 | 0.021 | 100.0 | 1780 | 194 | 4 | 0 | 646 | 10000 | 10000 | 27 | 0 | 0 | 30.0 | 0 | 41 | 0 | 20 | 7 | 20 | 0.0 | 0 | 0 | 2260 | 140 | 0 | 41 | 0.00 | 0.05 | 0.21 | 15.00 | 0.02 | 0.10 | 0.00 |
| L6-070 | 1610 | 0.047 | 100.0 | 3630 | 92 | 6 | 0 | 1565 | 10000 | 10000 | 118 | 0 | 0 | 49.5 | 0 | 41 | 12 | 40 | 262 | 1150 | 0.5 | 0 | 10 | 290 | 1030 | 0 | 46 | 0.00 | 0.06 | 0.48 | 15.00 | 0.02 | 0.28 | 0.00 |
| L6-071 | 40 | 0.001 | 10.8 | 126 | 6 | 0 | 0 | 202 | 3810 | 2970 | 3 | 0 | 0 | 3.0 | 3 | 80 | 6 | 0 | 8 | 200 | 0.0 | 0 | 10 | 410 | 300 | 3 | 18 | 0.00 | 0.90 | 1.00 | 2.79 | 0.20 | 0.20 | 0.00 |
| L6-072 | 1090 | 0.032 | 100.0 | 2300 | 56 | 2 | 0 | 1760 | 10000 | 10000 | 15 | 0 | 0 | 79.0 | 0 | 42 | 1 | 20 | 246 | 30 | 0.0 | 0 | 0 | 3620 | 180 | 0 | 45 | 0.00 | 0.09 | 1.54 | 15.00 | 0.03 | 0.69 | 0.00 |
| L6-073 | 380 | 0.011 | 5.6 | 276 | 66 | 0 | 0 | 64 | 2520 | 2620 | 49 | 0 | 0 | 2.5 | 2 | 41 | 51 | 30 | 58 | 40 | 0.0 | 0 | 0 | 165 | 220 | 0 | 12 | 0.00 | 0.14 | 0.32 | 15.00 | 0.03 | 0.15 | 0.00 |
| L6-074 | 10 | 0.000 | 0.2 | 0 | 6 | 0 | 0 | 4 | 100 | 72 | 0 | 0 | 0 | 0.0 | 0 | 11 | 0 | 0 | 3 | 10 | 0.0 | 0 | 0 | 85 | 440 | 0 | 344 | 0.00 | 0.23 | 15.00 | 0.29 | 0.00 | 0.17 | 0.00 |
| L6-075 | 60 | 0.002 | 4.2 | 106 | 2 | 0 | 0 | 1990 | 726 | 676 | 6 | 0 | 0 | 2.0 | 10 | 28 | 1 | 10 | 4 | 90 | 0.0 | 10 | 0 | 1475 | 420 | 0 | 47 | 0.00 | 0.24 | 15.00 | 14.40 | 0.00 | 0.26 | 0.00 |
| L6-076 | 85 | 0.002 | 8.0 | 10 | 4 | 0 | 0 | 10000 | 140 | 276 | 3 | 0 | -8888 | 1.5 | 80 | 4 | 41 | 0 | 5 | 30 | 0.0 | 0 | 0 | 2100 | -8888 | 0 | 17 | 0.00 | 0.22 | 1.48 | 3.91 | 0.03 | 3.48 | 0.00 |
| L6-077 | 285 | 0.008 | 63.2 | 776 | 18 | 0 | 0 | 51 | 104 | 156 | 3 | 0 | 0 | 0.0 | 2 | 176 | 7 | 0 | 5 | 60 | 0.0 | 0 | 0 | 635 | 790 | 0 | 54 | 0.00 | 0.37 | 5.75 | 0.82 | 0.09 | 0.20 | 0.00 |
| L6-078 | 5 | 0.000 | 1.2 | 48 | 4 | 0 | 0 | 58 | 158 | 328 | 1 | 0 | 0 | 0.0 | 1 | 59 | 7 | 0 | 13 | 60 | 0.0 | 0 | 0 | 610 | 1810 | 1 | 39 | 0.00 | 0.19 | 15.00 | 1.17 | 0.01 | 0.17 | 0.00 |
| L6-079 | 225 | 0.007 | 2.6 | 1205 | 92 | 0 | 0 | 1160 | 1580 | 10000 | 40 | 0 | 100 | 56.5 | 3 | 17 | 17 | 30 | 429 | 170 | 2.0 | 0 | 0 | 1295 | 320 | 0 | 84 | 0.00 | 0.26 | 3.62 | 15.00 | 0.01 | 0.70 | 0.00 |
| L6-081 | 0 | 0.000 | 1.0 | 324 | 4 | 0 | 0 | 86 | 302 | 454 | 7 | 0 | 0 | 0.0 | 0 | 247 | 10 | 0 | 48 | 50 | 0.0 | 0 | 0 | 65 | 40 | 0 | 10 | 0.00 | 0.11 | 0.52 | 1.51 | 0.00 | 0.11 | 0.00 |
| **1997 Samples** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L7-001 | 20125 | 0.587 | 94.6 | 52 | 2 | 2 | 0 | 34900 | 20 | 2870 | 70 | 60 | 752 | 22.0 | 8 | 0 | 5 | 0 | 31 | 80 | 0.0 | 0 | 0 | 45 | -8888 | 0 | 23 | 0.02 | 0.48 | 1.07 | 14.05 | 0.44 | 2.06 | 0.00 |
| L7-002 | 10 | 0.000 | 0.0 | 0 | 2 | 0 | 0 | 307 | 12 | 20 | 0 | 10 | 2 | 0.0 | 7 | 11 | 14 | 0 | 12 | 380 | 1.0 | 0 | 10 | 95 | 1070 | 0 | 372 | 0.22 | 4.16 | 15.00 | 1.85 | 0.21 | 0.69 | 0.19 |
| L7-003 | 1000 | 0.029 | 10.6 | 294 | 64 | 1 | 0 | 15400 | 38 | 728 | 0 | 0 | 125 | 10.5 | 15 | 66 | 10 | 0 | 61 | 110 | 0.0 | 0 | 0 | 905 | -8888 | 0 | 83 | 0.00 | 0.14 | 8.25 | 3.52 | 0.00 | 4.74 | 0.00 |
| L7-004 | 30 | 0.001 | 0.2 | 2 | 0 | 0 | 0 | 254 | 4 | 20 | 1 | 0 | 0 | 0.0 | 2 | 143 | 4 | 0 | 8 | 80 | 0.0 | 0 | 0 | 80 | 180 | 0 | 13 | 0.05 | 0.15 | 0.25 | 1.00 | 0.11 | 0.05 | 0.03 |
| L7-005 | 0 | 0.000 | 0.0 | 2 | 2 | 0 | 0 | 26 | 4 | 24 | 0 | 0 | 0 | 0.0 | 1 | 32 | 3 | 0 | 6 | 50 | 1.5 | 0 | 20 | 795 | 1540 | 0 | 205 | 0.08 | 3.15 | 7.43 | 0.39 | 0.07 | 0.19 | 0.40 |
| L7-006 | 0 | 0.000 | 0.0 | 0 | 2 | 1 | 0 | 7 | 24 | 6 | 0 | 10 | 6 | 0.0 | 1 | 5 | 1 | 0 | 3 | 10 | 0.0 | 0 | 10 | 325 | 790 | 0 | 463 | 0.01 | 0.27 | 15.00 | 0.58 | 0.01 | 0.24 | 0.03 |
| L7-029 | 5 | 0.000 | 0.0 | 74 | 6 | 2 | 0 | 20 | 16 | 32 | 0 | 0 | 4 | 0.0 | 0 | 7 | 0 | 0 | 6 | 10 | 0.0 | 0 | 0 | 1175 | 210 | 0 | 91 | 0.00 | 0.02 | 15.00 | 0.47 | 0.00 | 9.58 | 0.00 |
| L7-030 | 140 | 0.004 | 243.4 | 6610 | 266 | 2 | 0 | 14400 | 13000 | 21600 | 8 | 0 | 1232 | 100.0 | 2 | 76 | 6 | 0 | 71 | 400 | 0.0 | 0 | 0 | 40 | -8888 | 0 | 28 | 0.00 | 0.10 | 0.46 | 12.25 | 0.00 | 0.13 | 0.00 |
| L7-031 | 485 | 0.014 | 19.2 | 174 | 14 | 0 | 0 | 2240 | 38 | 1510 | 1 | 0 | 176 | 3.5 | 1 | 205 | 5 | 0 | 5 | 10 | 0.0 | 0 | 0 | 20 | 0 | 0 | 2 | 0.00 | 0.03 | 0.06 | 6.56 | 0.00 | 0.01 | 0.00 |
| L7-032 | 665 | 0.019 | 6.0 | 424 | 54 | 1 | 0 | 3490 | 26 | 420 | 7 | 10 | 72 | 3.0 | 7 | 114 | 7 | 0 | 73 | 50 | 0.0 | 0 | 0 | 180 | 50 | 0 | 46 | 0.00 | 0.03 | 4.77 | 9.26 | 0.00 | 1.44 | 0.00 |
| L7-033 | 1650 | 0.048 | 10.4 | 6490 | 278 | 1 | 0 | 7000 | 50 | 1090 | 13 | 20 | 742 | 5.0 | 14 | 35 | 7 | 10 | 52 | 40 | 0.5 | 0 | 0 | 50 | 0 | 0 | 19 | 0.00 | 0.13 | 0.40 | 15.00 | 0.00 | 0.18 | 0.00 |
| L7-034 | 0 | 0.000 | 0.0 | 24 | 4 | 0.0 | 0 | 6 | 20 | 34 | 1 | 0 | 2 | 0.0 | 0 | 69 | 2.0 | 0 | 0 | 60 | 0.0 | 0 | 10 | 15 | 70 | 0 | 5 | 0.00 | 0.47 | 0.07 | 0.64 | 0.23 | 0.06 | 0.00 |
| L7-035 | 0 | 0.000 | 0.0 | 64 | 0 | 0.0 | 0 | 12 | 6 | 2 | 0 | 0 | 2 | 0.0 | 0 | 126 | 3.0 | 0 | 1 | 40 | 0.0 | 0 | 10 | 15 | 90 | 0 | 6 | 0.00 | 0.23 | 0.09 | 0.25 | 0.18 | 0.03 | 0.00 |
| L7-036 | 555 | 0.016 | 6.4 | 12 | 8 | 0.0 | 0 | 6050 | 0 | 2430 | 0 | 0 | 6 | 35.5 | 4 | 17 | 20.0 | 0 | 12 | 560 | 0.0 | 0 | 0 | 355 | 40 | 0 | 156 | 0.00 | 0.12 | 14.85 | 1.32 | 0.04 | 8.52 | 0.00 |
| L7-037 | 50 | 0.001 | 9.8 | 222 | 56 | 0.0 | 0 | 1060 | 534 | 154 | 3 | 0 | 6 | 1.5 | 4 | 14 | 28.0 | 0 | 13 | 490 | 0.0 | 10 | 0 | 390 | 610 | 1 | 192 | 0.00 | 0.79 | 3.73 | 15.00 | 0.08 | 2.96 | 0.00 |
| L7-038 | 40 | 0.001 | 0.2 | 546 | 44 | 3.0 | 0 | 52 | 36 | 508 | 64 | 0 | 6 | 0.5 | 4 | 126 | 56.0 | 0 | 80 | 1970 | 1.5 | 0 | 0 | 80 | 330 | 1 | 48 | 0.00 | 0.45 | 0.25 | 15.00 | 0.09 | 0.12 | 0.00 |
| L7-039 | 10 | 0.000 | 0.2 | 660 | 194 | 0.0 | 0 | 56 | 60 | 694 | 11 | 0 | 4 | 0.5 | 0 | 118 | 22.0 | 0 | 80 | 1580 | 1.0 | 0 | 0 | 20 | 500 | 0 | 38 | 0.00 | 0.11 | 0.20 | 15.00 | 0.01 | 0.07 | 0.00 |
| L7-040 | 0 | 0.000 | 0.0 | 348 | 28 | 5.0 | 0 | 10 | 2 | 128 | 5 | 0 | 2 | 0.0 | 1 | 140 | 12.0 | 0 | 22 | 800 | 0.0 | 0 | 0 | 30 | 170 | 0 | 24 | 0.00 | 0.21 | 0.28 | 2.70 | 0.09 | 0.04 | 0.00 |
| L7-041 | 0 | 0.000 | 0.0 | 86 | 16 | 1.0 | 0 | 11 | 8 | 34 | 1 | 0 | 0 | 0.0 | 3 | 143 | 14.0 | 0 | 10 | 360 | 0.0 | 0 | 0 | 50 | 310 | 2 | 45 | 0.00 | 0.18 | 1.10 | 1.38 | 0.09 | 0.20 | 0.01 |
| L7-042 | 0 | 0.000 | 0.0 | 4 | 2 | 1.0 | 0 | 6 | 0 | 20 | 1 | 0 | 0 | 0.0 | 0 | 309 | 7.0 | 0 | 5 | 80 | 0.0 | 0 | 0 | 125 | 1470 | 0 | 47 | 0.00 | 0.06 | 1.70 | 0.36 | 0.02 | 0.38 | 0.00 |
| L7-043 | 5 | 0.000 | 0.0 | 10 | 0 | 0.0 | 0 | 4 | 2 | 52 | 2 | 0 | 0 | 0.0 | 0 | 179 | 8.0 | 0 | 7 | 50 | 0.0 | 0 | 0 | 85 | 1520 | 0 | 32 | 0.00 | 0.09 | 2.79 | 0.44 | 0.03 | 1.28 | 0.00 |
| L7-044 | 25 | 0.001 | 0.0 | 696 | 6 | 3.0 | 0 | 4 | 0 | 110 | 13 | 0 | 0 | 0.5 | 2 | 253 | 15.0 | 0 | 165 | 50 | 0.0 | 0 | 0 | 45 | 850 | 0 | 52 | 0.00 | 0.16 | 1.31 | 6.69 | 0.03 | 0.31 | 0.00 |
| L7-045 | 0 | 0.000 | 0.0 | 8 | 0 | 0.0 | 0 | 3 | 0 | 112 | 0 | 0 | 0 | 0.0 | 0 | 99 | 11.0 | 0 | 13 | 10 | 0.0 | 0 | 0 | 60 | 1170 | 0 | 42 | 0.00 | 0.08 | 8.64 | 0.32 | 0.04 | 4.81 | 0.02 |
| L7-046 | 0 | 0.000 | 0.0 | 8 | 2 | 0.0 | 0 | 3 | 0 | 16 | 4 | 0 | 0 | 0.0 | 0 | 103 | 4.0 | 0 | 6 | 60 | 0.0 | 0 | 0 | 80 | 1660 | 0 | 48 | 0.00 | 0.08 | 6.01 | 0.21 | 0.03 | 2.42 | 0.00 |
| L7-047 | 0 | 0.000 | 0.0 | 32 | 2 | 0.0 | 0 | 6 | 2 | 88 | 4 | 0 | 2 | 0.0 | 0 | 335 | 11.0 | 0 | 17 | 30 | 0.0 | 0 | 0 | 65 | 1120 | 0 | 38 | 0.00 | 0.16 | 0.71 | 1.04 | 0.03 | 0.07 | 0.00 |
| L7-048 | 0 | 0.000 | 0.0 | 8 | 0 | 0.0 | 0 | 7 | 2 | 38 | 0 | 0 | 0 | 0.0 | 0 | 52 | 5.0 | 0 | 14 | 50 | 0.0 | 0 | 0 | 90 | 580 | 0 | 55 | 0.00 | 0.08 | 9.80 | 0.37 | 0.02 | 5.73 | 0.00 |
| L7-049 | 0 | 0.000 | 0.0 | 16 | 2 | 0.0 | 0 | 6 | 2 | 38 | 1 | 0 | 0 | 0.0 | 0 | 226 | 18.0 | 0 | 10 | 10 | 0.0 | 0 | 0 | 25 | 2190 | 0 | 14 | 0.00 | 0.09 | 0.61 | 0.63 | 0.02 | 0.03 | 0.00 |
| L7-050 | 0 | 0.000 | 0.0 | 18 | 0 | 0.0 | 0 | 4 | 0 | 54 | 1 | 0 | 0 | 0.5 | 0 | 133 | 10.0 | 0 | 18 | 60 | 0.0 | 0 | 0 | 160 | 440 | 0 | 53 | 0.00 | 0.06 | 9.15 | 0.52 | 0.01 | 4.62 | 0.00 |
| L7-051 | 10 | 0.000 | 0.0 | 1470 | 6 | 0.0 | 0 | 257 | 2 | 74 | 0 | 0 | 12 | 0.0 | 21 | 130 | 114.0 | 0 | 100 | 1620 | 1.0 | 10 | 10 | 425 | 680 | 13 | 168 | 0.00 | 4.90 | 1.77 | 4.68 | 0.15 | 5.41 | 0.03 |
| L7-052 | 45 | 0.001 | 0.0 | 6640 | 2 | 0.0 | 0 | 57 | 0 | 14 | 0 | 0 | 18 | 0.0 | 0 | 58 | 3.0 | 0 | 3 | 320 | 0.0 | 0 | 0 | 25 | 90 | 0 | 74 | 0.00 | 1.51 | 0.43 | 1.42 | 0.56 | 1.27 | 0.00 |
| L7-053 | 1,610 | 0.047 | 2.4 | 10000 | 40 | 3.0 | 0 | 6190 | 22 | 64 | 6 | 0 | 694 | 0.0 | 0 | 53 | 3.0 | 10 | 19 | 3310 | 0.0 | 10 | 0 | 110 | 30 | 0 | 725 | 0.00 | 1.28 | 3.37 | 15.00 | 0.22 | 1.79 | 0.01 |
| L7-054 | 50 | 0.001 | 0.0 | 1605 | 0 | 0.0 | 0 | 127 | 2 | 4 | 0 | 0 | 80 | 0.0 | 0 | 14 | 0.0 | 0 | 0 | 110 | 0.0 | 0 | 10 | 5 | 110 | 0 | 43 | 0.00 | 0.36 | 0.37 | 0.49 | 0.15 | 0.23 | 0.00 |
| L7-055 | 25 | 0.001 | 0.2 | 5400 | 0 | 0.0 | 0 | 299 | 2 | 20 | 1 | 0 | 10 | 2.0 | 0 | 60 | 5.0 | 0 | 17 | 100 | 0.0 | 0 | 10 | 10 | 60 | 0 | 34 | 0.00 | 0.75 | 0.56 | 1.74 | 0.25 | 0.31 | 0.00 |
| L7-056 | 9,500 | 0.277 | 8.4 | 10000 | 56 | 8.0 | 10 | 2850 | 12 | 64 | 6 | 0 | 1145 | 0.0 | 0 | 12 | 2.0 | 0 | 37 | 3660 | 0.0 | 0 | 0 | 50 | 90 | 0 | 737 | 0.00 | 0.24 | 5.45 | 15.00 | 0.07 | 0.38 | 0.04 |
| L7-057 | 80 | 0.002 | 0.2 | 1005 | 0 | 0.0 | 0 | 426 | 0 | 14 | 0 | 0 | 8 | 0.5 | 0 | 5 | 3.0 | 0 | 39 | 80 | 0.0 | 0 | 0 | 415 | 0 | 0 | 144 | 0.00 | 0.24 | 15.00 | 0.84 | 0.04 | 8.79 | 0.00 |
| L7-058 | 5 | 0.000 | 0.0 | 132 | 0 | 0.0 | 0 | 12 | 0 | 64 | 2 | 0 | 0 | 0.5 | 1 | 314 | 11.0 | 0 | 8 | 50 | 0.0 | 0 | 0 | 100 | 1480 | 0 | 41 | 0.00 | 0.11 | 1.55 | 0.45 | 0.04 | 0.06 | 0.00 |
| L7-061 | 5 | 0.000 | 0.0 | 138 | 0 | 0 | 0 | 14 | 2 | 14 | 3 | 0 | 0 | 0.0 | 3 | 182 | 33 | 0 | 21 | 100 | 0.0 | 0 | 0 | 200 | 390 | 1 | 25 | 0.00 | 0.24 | 0.59 | 0.82 | 0.10 | 0.07 | 0.01 |
| L7-062 | 15 | 0.000 | 0.2 | 744 | 2 | 1 | 0 | 32 | 10 | 76 | 10 | 0 | 0 | 0.5 | 8 | 174 | 100 | 0 | 41 | 90 | 0.0 | 0 | 0 | 680 | 770 | 4 | 40 | 0.00 | 0.31 | 1.68 | 6.19 | 0.13 | 0.12 | 0.00 |
| L7-063 | 35 | 0.001 | 0.0 | 28 | 0 | 0 | 0 | 5 | 0 | 118 | 4 | 0 | 0 | 0.0 | 0 | 256 | 13 | 0 | 17 | 210 | 0.0 | 0 | 0 | 105 | 490 | 0 | 21 | 0.00 | 0.16 | 1.16 | 0.60 | 0.07 | 0.23 | 0.00 |
| L7-064 | 10 | 0.000 | 0.0 | 34 | 4 | 1 | 0 | 3 | 0 | 26 | 2 | 0 | 0 | 0.0 | 1 | 260 | 10 | 0 | 6 | 520 | 0.0 | 0 | 0 | 90 | 680 | 0 | 30 | 0.00 | 0.06 | 3.47 | 0.42 | 0.01 | 1.76 | 0.00 |
| L7-065 | 5 | 0.000 | 0.2 | 32 | 0 | 0 | 0 | 12 | 6 | 236 | 3 | 0 | 0 | 0.5 | 3 | 229 | 15 | 0 | 21 | 90 | 0.0 | 0 | 0 | 175 | 350 | 0 | 15 | 0.00 | 0.29 | 0.56 | 1.98 | 0.06 | 0.07 | 0.00 |
| L7-066 | 0 | 0.000 | 0.0 | 12 | 2 | 0 | 0 | 3 | 0 | 8 | 3 | 0 | 0 | 0.0 | 1 | 193 | 11 | 0 | 1 | 540 | 0.0 | 0 | 0 | 55 | 160 | 0 | 7 | 0.00 | 0.04 | 0.62 | 0.29 | 0.00 | 0.03 | 0.00 |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Au ppb | Au opt | Ag ppm | As ppm | Sb ppm | Hg ppm | Tl ppm | Cu ppm | Pb ppm | Zn ppm | Mo ppm | W ppm | Bi ppm | Cd ppm | Co ppm | Cr ppm | Ni ppm | U ppm | V ppm | Ba ppm | Be ppm | Ga ppm | La ppm | Mn ppm | P ppm | Sc ppm | Sr ppm | Ti % | Al % | Ca % | Fe % | K % | Mg % | Na % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L7-067 | 35 | 0.001 | 0.8 | 138 | 8 | 0 | 0 | 17 | 252 | 130 | 9 | 0 | 0 | 1.0 | 1 | 553 | 18 | 0 | 7 | 1550 | 0.0 | 0 | 0 | 55 | 250 | 0 | 26 | 0.00 | 0.05 | 0.09 | 1.26 | 0.05 | 0.01 | 0.00 |
| L7-068 | 0 | 0.000 | 0.0 | 22 | 0 | 0 | 0 | 5 | 2 | 432 | 4 | 0 | 0 | 0.0 | 0 | 235 | 11 | 0 | 16 | 130 | 0.0 | 0 | 0 | 90 | 670 | 0 | 15 | 0.00 | 0.23 | 0.20 | 0.82 | 0.08 | 0.04 | 0.00 |
| L7-069 | 0 | 0.000 | 0.0 | 12 | 0 | 0 | 0 | 5 | 0 | 66 | 0 | 0 | 0 | 0.0 | 4 | 73 | 21 | 0 | 20 | 50 | 0.0 | 0 | 0 | 790 | 270 | 1 | 87 | 0.00 | 0.92 | 10.40 | 1.10 | 0.11 | 0.65 | 0.00 |
| L7-070 | 0 | 0.000 | 0.4 | 4530 | 2 | 4 | 0 | 84 | 18 | 44 | 5 | 0 | 0 | 5.0 | 32 | 132 | 484 | 0 | 82 | 990 | 0.0 | 0 | 20 | 160 | 1610 | 7 | 110 | 0.00 | 0.61 | 0.65 | 15.00 | 0.05 | 0.08 | 0.01 |
| L7-071 | 0 | 0.000 | 0.0 | 132 | 0 | 0 | 0 | 14 | 2 | 8 | 4 | 0 | 2 | 0.0 | 0 | 44 | 39 | 0 | 30 | 110 | 0.0 | 0 | 0 | 1340 | 500 | 1 | 59 | 0.00 | 0.28 | 12.90 | 4.58 | 0.13 | 0.31 | 0.00 |
| L7-072 | 0 | 0.000 | 0.2 | 838 | 2 | 0 | 0 | 21 | 2 | 12 | 1 | 0 | 0 | 0.0 | 0 | 140 | 9 | 0 | 69 | 170 | 0.0 | 0 | 0 | 30 | 740 | 0 | 104 | 0.00 | 0.34 | 0.56 | 2.95 | 0.41 | 0.05 | 0.03 |
| L7-073 | 0 | 0.000 | 0.2 | 64 | 10 | 1 | 0 | 4 | 12 | 6 | 4 | 0 | 0 | 0.0 | 1 | 392 | 14 | 0 | 6 | 1050 | 0.0 | 0 | 0 | 95 | 350 | 0 | 29 | 0.00 | 0.08 | 0.27 | 0.79 | 0.06 | 0.05 | 0.00 |
| L7-074 | 5 | 0.000 | 0.0 | 60 | 6 | 1 | 0 | 5 | 8 | 2 | 7 | 0 | 0 | 0.0 | 0 | 314 | 7 | 0 | 10 | 390 | 0.0 | 0 | 0 | 50 | 320 | 0 | 37 | 0.00 | 0.09 | 0.14 | 1.55 | 0.19 | 0.01 | 0.01 |
| L7-075 | 5 | 0.000 | 0.0 | 38 | 2 | 1 | 0 | 6 | 8 | 84 | 3 | 0 | 0 | 0.0 | 1 | 203 | 14 | 0 | 20 | 100 | 0.0 | 0 | 0 | 160 | 420 | 0 | 24 | 0.00 | 0.15 | 1.92 | 0.74 | 0.06 | 0.65 | 0.00 |
| L7-076 | 0 | 0.000 | 0.0 | 18 | 0 | 0 | 0 | 4 | 0 | 184 | 3 | 0 | 0 | 1.0 | 0 | 235 | 10 | 0 | 13 | 30 | 0.0 | 0 | 0 | 120 | 460 | 0 | 12 | 0.00 | 0.12 | 2.57 | 0.76 | 0.05 | 0.06 | 0.00 |
| L7-077 | 5 | 0.000 | 0.6 | 202 | 2 | 0 | 0 | 11 | 4 | 2 | 1 | 0 | 0 | 0.0 | 0 | 260 | 5 | 0 | 29 | 380 | 0.0 | 0 | 0 | 25 | 360 | 0 | 22 | 0.00 | 0.25 | 0.08 | 1.06 | 0.18 | 0.02 | 0.02 |
| L7-078 | 5 | 0.000 | 0.0 | 5400 | 146 | 10 | 0 | 56 | 18 | 300 | 30 | 0 | 0 | 1.5 | 15 | 47 | 87 | 0 | 76 | 1380 | 0.0 | 0 | 0 | 45 | 740 | 2 | 45 | 0.00 | 0.91 | 0.18 | 15.00 | 0.10 | 0.05 | 0.00 |
| # of Samp | 299 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum | 20125 | 0.587 | 243.4 | 10000 | 6030 | 48 | 10 | 34900 | 72900 | 80000 | 10000 | 90 | 3170 | 500.0 | 106 | 698 | 484 | 50 | 958 | 4230 | 16.5 | 40 | 510 | 10000 | 4570 | 20 | 2060 | 0.52 | 14.45 | 15.00 | 15.00 | 4.09 | 11.30 | 0.40 |
| Minimum | -5 | 0.000 | -0.2 | -2 | -2 | -1 | -10 | -1 | -2 | 0 | -1 | -10 | -8888 | -0.5 | -1 | 0 | -1 | -10 | 0 | 0 | -0.5 | -10 | -10 | 0 | -8888 | -1 | 2 | -0.01 | 0.01 | 0.04 | 0.11 | -0.01 | 0.00 | -0.01 |
| Average | 501 | 0.015 | 24.8 | 836 | 64 | 2 | -4 | 2140 | 2120 | 3353 | 126 | -0 | 6 | 17.9 | 7 | 95 | 22 | 2 | 43 | 646 | 0.1 | -2 | 2 | 697 | 98 | 1 | 81 | 0.00 | 0.62 | 3.98 | 7.84 | 0.10 | 1.52 | 0.01 |
| Std Dev | 1618 | 0.047 | 50.8 | 1593 | 357 | 5 | 5 | 3861 | 5434 | 6437 | 848 | 14 | 956 | 39.4 | 15 | 108 | 41 | 12 | 80 | 875 | 1.2 | 7 | 34 | 1504 | 1873 | 3 | 153 | 0.04 | 1.71 | 5.28 | 6.28 | 0.29 | 2.71 | 0.04 |

1989 Samples - Cone Geochemical Inc. Job 89-2539 Au = 20 g FA/AA; Cu, Pb, Zn, & Ag = AA
1990 Samples - Bondar-Clegg Report 999-1895, 127-9522
1995 Samples - Chemex Labs Ltd., Certificate A9522499, A9525509, A9526089, A9526634, A9533285
1996 Samples - Chemex Labs Ltd., Certificates A9630832, A9632056, A9635758, A9636393, A9641112
1997 Samples - Chemex Labs Ltd., Certificates A9729519, A9730863, A9732290, A9737132, A9742320, A9744305, A9750130
Chemex Au analysis = 30 g FA-AAS, all other elements = ICP-AES

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Area | Date | Sec | Twnsp | Range | Description |
|---|---|---|---|---|---|---|
| **1995 Samples** | | | | | | |
| K5-010 | CM | 10-Aug-95 | 33 | T7N | R19W | Outcrop; gray&red,silicified,hematite,"Bx"strata |
| K5-011 | CM | 10-Aug-95 | 33 | T7N | R19W | Outcrop; red-black-white,silicified,hem,"Bx" |
| K5-012 | CM | 10-Aug-95 | 33 | T7N | R19W | Dump; red-orange-black,hem,lim,calcite |
| K5-013 | CM | 10-Aug-95 | 33 | T7N | R19W | Dump; red-orange-black,hem,lim,calcite,vuggy |
| K5-014 | CM | 10-Aug-95 | 33 | T7N | R19W | Dump; red-orange-black,hem,lim,calcite,vuggy |
| K5-015 | CM | 10-Aug-95 | 34 | T7N | R19W | Float; gray-red,hem,silicification,"Bx" |
| K5-016 | CM | 10-Aug-95 | 34 | T7N | R19W | Outcrop; tan-orange,hem,lim,silicif,fault surface |
| K5-017 | CM | 11-Aug-95 | 34 | T7N | R19W | Float; black-red-orange,hem,lim,calcite,intrusive? |
| K5-018 | CM | 11-Aug-95 | 34 | T7N | R19W | Float; gray-red,some hem,silicification,"Bx" |
| K5-019 | CM | 11-Aug-95 | 33 | T7N | R19W | Dump; red-orange-black,hem,lim,calcite,silicif,vuggy |
| K5-020 | CM | 11-Aug-95 | 33 | T7N | R19W | Dump; red-orange-black,hem,lim,calcite,vuggy,silicif |
| K5-021 | CM | 11-Aug-95 | 33 | T7N | R19W | Float; dark red, Fe-silicates in limestone |
| K5-022 | CM | 11-Aug-95 | 33 | T7N | R19W | Wallrock; black-orange-red,lim,hem,vuggy |
| K5-023 | CM | 11-Aug-95 | 33 | T7N | R19W | Outcrop; minor hem,silicification,"Bx" strat unit |
| K5-024 | CM | 11-Aug-95 | 04 | T6N | R19W | Subcrop; orange-brown,hematite,some Cu minerals? |
| K5-025 | CM | 11-Aug-95 | 04 | T6N | R19W | Dump; orange-brown-green,lim,hem,qtz,malachite |
| K5-026 | CM | 11-Aug-95 | 04 | T6N | R19W | Dump; orange-brown-green,lim,hem,qtz,malachite |
| K5-027 | CM | 11-Aug-95 | 04 | T6N | R19W | Dump; brown-orange,hem,lim,qtz |
| K5-028 | CM | 11-Aug-95 | 04 | T6N | R19W | Dump; red-orange-brwn-grn,qtz,hem,lim,malach,tremolite? |
| K5-029 | CM | 11-Aug-95 | 05 | T6N | R19W | Dump; tan-orange,qtz,minor malach,lim,sed rx bleached |
| K5-030 | CM | 11-Aug-95 | 05 | T6N | R19W | Dump; green-white-drk brwn,qtz,malach,hem,bleached sed rx |
| K5-031 | CM | 11-Aug-95 | 05 | T6N | R19W | Dump; green-white drk brwn,malach,hem |
| K5-032 | CM | 11-Aug-95 | 05 | T6N | R19W | Dump; green-brown,hem,lim,qtz,malach,azurite |
| K5-033 | CM | 11-Aug-95 | 05 | T6N | R19W | Dump; tan-gray,hem, some malachite |
| K5-034 | CM | 11-Aug-95 | 04 | T6N | R19W | Dump; orange-brown-green,hem,lim,malach,azur,qtz,vuggy |
| K5-035 | CM | 11-Aug-95 | 04 | T6N | R19W | Dump; ornge-drk brwn-grn,hem,lim,qtz,malach |
| K5-036 | CM | 11-Aug-95 | 04 | T6N | R19W | Float; Drk brown-Orange,hem,lim,minor qtz |
| K5-037 | CM | 11-Aug-95 | 08 | T6N | R19W | Dump; Drk red-brown,hem,qtz,malach,pyrite |
| K5-038 | CM | 11-Aug-95 | 16 | T39N | R70E | Dump; Drk gray-brown,hematite,limonite |
| K5-039 | CM | 11-Aug-95 | 08 | T6N | R19W | Dump; white-green,minor hem,marbleized?,chlorite |
| K5-040 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; rusty red-orange,hem,lim,minor qtz,vuggy |
| K5-041 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; tan-gray,no signif alteration,hem,qtz |
| K5-042 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; green-brown-ornq,malach,hem,lim,azur,cuprite |
| K5-043 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; orange-brown,hem,lim,trace of malach |
| K5-044 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; tan-white,bleached bedrock next to intrusive |
| K5-045 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; tan,Fe-stained,bleached,qtz |
| K5-046 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; Drk brown-orange,hem,lim,qtz,vuggy |
| K5-047 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; red-orange,hem,lim,qtz |
| K5-048 | CM | 12-Aug-95 | 09 | T6N | R19W | Wallrock; red-orange-black, lim,hem,qtz |
| K5-049 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; rusty red-orange,hem,lim,vuggy |
| K5-050 | CM | 12-Aug-95 | 08 | T6N | R19W | Dump; red-orange,hem,lim,qtz |
| K5-051 | CM | 12-Aug-95 | 21 | T39N | R70E | Dump; red-orng-whte,hem,lim,qtz,malach,pyrite,bleached |
| K5-052 | CM | 12-Aug-95 | 21 | T39N | R70E | Dump/Float?; drk red-orange,hem,lim,vuggy&jasperoid |
| K5-053 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; green-brown,malach,hem,qtz,lim,chrysocolla? |
| K5-054 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; rusty brown,vuggy,hem,lim,qtz |
| K5-055 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; red-brown,hem,qtz,lim |
| K5-056 | CM | 12-Aug-95 | 09 | T6N | R19W | Dump; rusty orange-red,hem,lim |
| K5-057 | CM | 15-Aug-95 | 10 | T6N | R19W | Outcrop; red-gray,Bx,silicif,vuggy,hem,fault sfc |
| K5-058 | CM | 15-Aug-95 | 03 | T6N | R19W | Dump; Drk Brown-orange,lim,vuggy,minor silicif |
| K5-059 | CM | 15-Aug-95 | 03 | T6N | R19W | Outcrop; red-gray,silicif,hem,qtz,Bx |
| K5-060 | CM | 15-Aug-95 | 03 | T6N | R19W | Outcrop; red-gray,silicif,hem,qtz,Bx |
| K5-061 | CM | 15-Aug-95 | 10 | T6N | R19W | Outcrop; silicif,Bx-Mcd fault,hem,vuggy |
| K5-062 | CM | 15-Aug-95 | 10 | T6N | R19W | Dump; Drk red-orange,hem,lim,qtz,minor malach |
| K5-063 | CM | 15-Aug-95 | 03 | T6N | R19W | Outcrop; red-orange-gray,hem,lim,silicif,Bx |
| K5-065 | CM | 16-Aug-95 | 10 | T6N | R19W | Dump; black-orange,hem,lim,vuggy |
| K5-066 | CM | 16-Aug-95 | 09 | T6N | R19W | Outcrop; pink-tan-white,alt Dg,abundant calcite |
| K5-067 | CM | 16-Aug-95 | 15 | T6N | R19W | Outcrop; ornge-blck-brwn,hem,lim,calcite |
| K5-070 | CM | 16-Aug-95 | 16 | T6N | R19W | Dump; orange-red,hem,lim |
| K5-071 | CM | 16-Aug-95 | 16 | T6N | R19W | Dump; orange-red,lim,hem,calcite,some jasperoid |
| L5-324 | CM | 15-Aug-95 | 10 | T7N | R19W | Road cut next to adit, shear zone, limestone-dolomite, orange-yellow, 1' wide |
| L5-325 | CM | 15-Aug-95 | 10 | T7N | R19W | Prospect pit, dump, Fe-gossan/altered limestone, orange-yellow, minor boxwork |
| L5-326 | CM | 15-Aug-95 | 10 | T7N | R19W | Adit dump, Fe-gossan, ochre, boxwork |
| L5-327 | CM | 15-Aug-95 | 10 | T7N | R19W | Prospect pit, dump, Fe-gossan, ochre, boxwork, minor MnOx |
| L5-328 | CM | 15-Aug-95 | 10 | T7N | R19W | Outcrop, Mcd quartzite/breccia, orange-grey, sheared |
| L5-329 | CM | 15-Aug-95 | 3 | T7N | R19W | Outcrop, Mcd, siltstone, sheared, orange-brown |
| L5-330 | CM | 15-Aug-95 | 10 | T7N | R19W | Prospect pit, dump, Fe-gossan, brown-orange |
| L5-331 | CM | 15-Aug-95 | 10 | T7N | R19W | Shaft, dump, Fe-gossan, ochre, minor white barite |
| L5-332 | CM | 15-Aug-95 | 10 | T7N | R19W | Incline shaft, dump, Fe-gossan, ochre, malchite, azurite, chrysocolla |
| L5-333 | CM | 15-Aug-95 | 10 | T7N | R19W | Prospect pit, dump, altered intrusive?, yellow-orange, minor Fe-gossan |
| L5-334 | CM | 15-Aug-95 | 10 | T7N | R19W | Dump, Fe-Cu gossan, brown, moderate MnOx, malachite, chrysocolla |
| L5-335 | CM | 15-Aug-95 | 10 | T7N | R19W | Dump, Fe-Cu gossan, brown, moderate MnOx, malachite, chrysocolla |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Area | Date | Sec | Twnsp | Range | Description |
|---|---|---|---|---|---|---|
| L5-336 | CM | 15-Aug-95 | 10 | T7N | R19W | Prospect pit, dump, Fe-gossan, ochre |
| L5-337 | CM | 15-Aug-95 | 10 | T7N | R19W | Adit, dump, Fe-gossan, ochre |
| L5-338 | CM | 15-Aug-95 | 10 | T7N | R19W | Adit, dump, mixed Fe-gossan and Cu-carbonate gossan |
| L5-339 | CM | 15-Aug-95 | 10 | T7N | R19W | Adit, face, Fe-gossan, orange |
| L5-340 | CM | 15-Aug-95 | 10 | T7N | R19W | Shaft, dump, Fe-gossan, ochre |
| L5-341 | CM | 15-Aug-95 | 10 | T7N | R19W | Adit, dump, Fe-gossan, ochre |
| L5-342 | CM | 15-Aug-95 | 3 | T7N | R19W | Adit, dump, Fe-gossan, ochre |
| L5-343 | CM | 15-Aug-95 | 3 | T7N | R19W | Adit, dump, Fe-gossan, ochre |
| L5-344 | CM | 15-Aug-95 | 2 | T7N | R19W | Adit, dump, mixed Fe-gossan and jasperoid breccia, brown-orange |
| L5-347 | CM | 16-Aug-95 | 10 | T7N | R19W | Open cut, dump, Cu-carbonate rich sample |
| L5-348 | CM | 16-Aug-95 | 10 | T7N | R19W | Open cut, dump, Fe-gossan rich sample, ochre |
| L5-349 | CM | 16-Aug-95 | 10 | T7N | R19W | Propsect pit, dump, Fe-gossan, ochre |
| L5-350 | CM | 16-Aug-95 | 9 | T7N | R19W | Decline, dump, Fe-gossan, ochre |
| L5-351 | CM | 16-Aug-95 | 9 | T7N | R19W | Prospect pit, dump, altered felsic dike, yellow orange |
| L5-353 | CM | 16-Aug-95 | 15 | T7N | R19W | Prospect pit, dump, sheared limey sandstone, orange grey, fractured, MnOx |
| L5-356 | CM | 16-Aug-95 | 16 | T7N | R19W | Shaft, dump, Fe-gossan, ochre |
| L5-357 | CM | 16-Aug-95 | 16 | T7N | R19W | Adit, dump, Fe-gossan, ochre, minor barite |
| L5-358 | CM | 16-Aug-95 | 16 | T7N | R19W | Outcrop, jasperoid breccia, red grey, barite |
| L5-359 | CM | 16-Aug-95 | 16 | T7N | R19W | Adit dump, Fe-gossan, ochre, moderate barite |
| L5-360 | CM | 16-Aug-95 | 16 | T7N | R19W | Adit dump, Fe-gossan, ochre |
| L5-361 | CM | 16-Aug-95 | 16 | T7N | R19W | Adit dump, Fe-gossan, ochre |
| L5-362 | CM | 16-Aug-95 | 16 | T7N | R19W | Adit dump, Fe-gossan, ochre |
| L5-363 | CM | 16-Aug-95 | 16 | T7N | R19W | Adit dump, Fe-gossan, ochre |
| L5-364 | CM | 16-Aug-95 | 16 | T7N | R19W | Adit dump, Fe-gossan, ochre |
| L5-365 | CM | 16-Aug-95 | 9 | T7N | R19W | Adit dump, Fe-gossan, ochre, minor malachite |
| L5-366 | CM | 16-Aug-95 | 9 | T7N | R19W | Adit, dump, Tma, altered aphanitic dike, orange yellow, oxidized pyrite |
| L5-393 | CM | 18-Aug-95 | 15 | T7N | R19W | Adit, dump, quartz monzonite, light grey, weak chlorite |
| L5-394 | CM | 18-Aug-95 | 15 | T7N | R19W | Adit, dump, limestone, dark grey, carbonaceous, weak limonite on fractures |
| L5-473 | CM | 04-Nov-95 | 21 | T39N | R70E | Float, @ T-4 drill site, rhyolite porphyry, lt grey, minor SiO2 veinlets, weak limonite after pyrite, argillic-sericitic |
| L5-474 | CM | 04-Nov-95 | 21 | T39N | R70E | Float, @ T-5 drill site, rhyolite porphyry, lt grey, minor SiO2 veinlets, weak limonite after pyrite, argillic-sericitic |
| L5-475 | CM | 04-Nov-95 | 21 | T39N | R70E | Roadcut, tectonic breccia, red-brown, fragments of rhyolite and Paleozoic sediments |
| L5-476 | CM | 04-Nov-95 | 21 | T39N | R70E | Outcrop, tectonic breccia, red-brown, fragments of rhyolite and Paleozoic sediments |
| L5-477 | CM | 04-Nov-95 | 21 | T39N | R70E | Float, roadcut, rhyolite porphyry, lt grey, minor SiO2 veinlets, weak limonite after pyrite, argillic-sericitic |
| L5-478 | CM | 04-Nov-95 | 21 | T39N | R70E | Float, @ T-1 drill site, rhyolite porphyry, lt grey, weak limonite after pyrite, argillic-sericitic |
| L5-479 | CM | 04-Nov-95 | 21 | T39N | R70E | Float, roadcut, rhyolite porphyry, lt grey, minor SiO2 veinlets, weak limonite after pyrite, argillic-sericitic |
| P5-304 | CM | 16-Aug-95 | 10 | T6N | R19W | Pit dump, gossan, orange red black, soft, str limonite &/or hematite, local calcite lining vugs, rare malachite |
| P5-305 | CM | 16-Aug-95 | 10 | T6N | R19W | Vertical cut, outcrop, gossany calcite vein, white red black, brecciated, 2-3', mod hematite w/ local limonite |
| P5-306 | CM | 16-Aug-95 | 10 | T6N | R19W | Shaft dump, gossan, orange orange-brown black red, local silicification, vuggy, mod Cu (chrysocolla, malachite, tr cpy), brecciated |
| P5-307 | CM | 16-Aug-95 | 10 | T6N | R19W | Outcrop, gossan, black orange orange-brown red, mod silicification, vuggy, str limonite w/ local hematite, brecciated |
| P5-308 | CM | 16-Aug-95 | 10 | T6N | R19W | Shaft dump, gossan, orange orange-brown red, vuggy, brecciated, str limonite w/ local str hematite |
| P5-309 | CM | 16-Aug-95 | 15 | T6N | R19W | Prospect dump, gossan, orange red-black black, silicified |
| P5-310 | CM | 16-Aug-95 | 15 | T6N | R19W | Adit dump, gossan, orange orange-brown black, v str limonite w/ local hematite |
| P5-311 | CM | 16-Aug-95 | 10 | T6N | R19W | Prospect dump, silicified gossan, orange orange-brown, platy, str limonite w/ local jarosite |
| P5-312 | CM | 16-Aug-95 | 10 | T6N | R19W | Shaft dump, gossan, orange-brown orange black, common boxwork texture, str limonite |
| P5-313 | CM | 16-Aug-95 | 10 | T6N | R19W | Prospect dump, gossan, orange-brown orange black red, vuggy, soft, v str limonite, local hematite |
| P5-314 | CM | 16-Aug-95 | 10 | T6N | R19W | Adit dump, gossan, black orange-brown orange, vuggy, str specularite, str limonite, local silicification |
| P5-315 | CM | 16-Aug-95 | 10 | T6N | R19W | Shaft dump, gossan, orange orange-brown black, soft, abundant boxwork, v str limonite |
| P5-316 | CM | 16-Aug-95 | 10 | T6N | R19W | Adit dump, gossan, orange orange-brown black, vuggy, soft, local quartz lining vugs, v str limonite |
| P5-317 | CM | 16-Aug-95 | 10 | T6N | R19W | Decline dump, gossan, orange orange-brown, soft, v str limonite |
| P5-318 | CM | 16-Aug-95 | 9 | T6N | R19W | Decline dump, gossan, orange orange-brown black, mod barite, minor chalcocite, str limonite |
| P5-319 | CM | 16-Aug-95 | 16 | T6N | R19W | Shaft dump, gossan, black orange orange-brown, local silicification, peacock staining on surface |
| P5-320 | CM | 16-Aug-95 | 9 | T6N | R19W | Prospect dump, gossan, black orange, v str limonite, vuggy |
| P5-343 | CM | 18-Aug-95 | 10 | T6N | R19W | Prospect dump, limestone, black grey, wk limonite, local str Mn-staining |
| P5-344 | CM | 18-Aug-95 | 10 | T6N | R19W | Adit dump, quartzite, white, wk limonite |
| **1996 Samples** | | | | | | |
| P6-090 | EC | 25-Aug-96 | 4 | T6N | R19W | Outcrop, white quartz vein, wk limonite, orange-brown sheared siltstone in walls |
| P6-091 | EC | 25-Aug-96 | 4 | T6N | R19W | Adit dump, white quartz vein, minor limonite, gossany, local jarosite, minor malachite |
| P6-092 | EC | 25-Aug-96 | 4 | T6N | R19W | Prospect dump, dolomite, white grey tan, bleached, fractured/brecciated, wk limonite |
| P6-093 | EC | 25-Aug-96 | 4 | T6N | R19W | Prospect trench, dolomite, white tan grey, bleached, wk limonite, tr quartz, mod malachite |
| P6-094 | EC | 25-Aug-96 | 4 | T6N | R19W | Outcrop in trench, calc-silicate skarn, garnet, calcite, f-gr diss green mineral, wk limonite |
| P6-095 | EC | 25-Aug-96 | 4 | T6N | R19W | Prospect dump, limestone, white tan, grainy, mod lim/hem |
| P6-096 | EC | 25-Aug-96 | 4 | T6N | R19W | Outcrop, quartzite, white tan grey, slickened fault plane, wk limonite |
| P6-097 | EC | 25-Aug-96 | 4 | T6N | R19W | Dump, gossan, black orange orange-brown red, local boxwork texture, str limonite, local str hem, tr green As-mineral? |
| P6-098 | EC | 25-Aug-96 | 4 | T6N | R19W | Outcrop, gossan, orange-brown orange red black, v str limonite, local hematite, mod malachite |
| P6-099 | EC | 25-Aug-96 | 4 | T6N | R19W | Adit dump, dolomite, grey, brecciated, calcareous hematitic matrix |
| P6-100 | EC | 25-Aug-96 | 4 | T6N | R19W | Outcrop, quartz vein, white clear, mod lim/hem, tr malachite |
| P6-101 | CC | 26-Aug-96 | 33 | T7N | R19W | Shaft dump, gossan, ted-brown orange black, v str limonite, local boxwork, minor white barite |
| P6-102 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, jasperoid breccia, grey dk grey, steep slickened fault w/ str limonite, abun barite in FW |
| P6-103 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, jasperoid breccia, grey lt grey black, wk to mod limonite stain |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Area | Date | Sec | Twnsp | Range | Description |
|---|---|---|---|---|---|---|
| P6-104 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, jasperoid breccia, grey red black, slickened faces, mod limonite, str hematite |
| P6-105 | CC | 26-Aug-96 | 34 | T7N | R19W | Prospect dump, gossan, orange-brown black orange, boxwork texture |
| P6-106 | CC | 26-Aug-96 | 34 | T7N | R19W | Adit dump, gossan, black orange orange-brown red, abundant boxwork, soft & crumbly, Cu stain? |
| P6-107 | CC | 26-Aug-96 | 33 | T7N | R19W | Prospect dump, dolomite, dk grey-brown, strongly fractured, str hematite along fx, mod calcite veining |
| P6-108 | CC | 26-Aug-96 | 33 | T7N | R19W | Float, dolomite, brown red-brown, mod limonite, strongly fractured |
| P6-109 | CC | 26-Aug-96 | 33 | T7N | R19W | Outcrop, limestone, grey, abundant calcite, mod limonite, local brecciation |
| P6-139 | EC | 15-Nov-96 | 5 | T6N | R19W | Outcrop, dolomite, grey lt grey, brecciated, local str limonite in matrix |
| P6-140 | EC | 15-Nov-96 | 5 | T6N | R19W | Outcrop, dolomite breccia, grey dk grey black, calcite cement, local str limonite, tr gossan pods |
| P6-141 | EC | 15-Nov-96 | 16 | T39N | R70E | Outcrop, dolomite, grey dk grey black, brecciated, abun orange limonite in matrix, rare hematite, minor white amorphous silica |
| P6-142 | EC | 15-Nov-96 | 16 | T39N | R70E | Float/subcrop, gossan, orange brown red-brown, local boxwork texture |
| P6-143 | EC | 15-Nov-96 | 16 | T39N | R70E | Float, gossan, orange orange-brown black red, local boxwork texture, white to purple amorphous silica in vugs, local calcite in vugs |
| P6-144 | EC | 15-Nov-96 | 16 | T39N | R70E | Outcrop, quartzite breccia, white tan, wk to mod limonite on fractures & matrix, minor hematite |
| P6-145 | EC | 16-Nov-96 | 5 | T6N | R19W | Float, dolomite breccia, tan orange grey brown, mod limonite throughout matrix, local str hematite |
| P6-146 | EC | 16-Nov-96 | 4 | T6N | R19W | Float/subcrop, dolomite breccia, tan grey pink red orange, mod limonite &/or hematite, local gossan "veins" |
| P6-147 | EC | 16-Nov-96 | 5 | T6N | R19W | Outcrop, marble, tan brown grey, wk to mod limonite, calcite veining |
| P6-148 | EC | 16-Nov-96 | 5 | T6N | R19W | Outcrop, dolomite, tan grey white, locally marblized, mod limonite on surface, local red hematite |
| P6-149 | EC | 16-Nov-96 | 5 | T6N | R19W | Float, gossan, orange black red, minor boxwork texture, local bx quartz vein, str limonite and hematite |
| P6-150 | EC | 18-Nov-96 | 4 | T6N | R19W | Float/subcrop, marble breccia, orange tan white, mod limonite staining, calcite veining |
| P6-151 | EC | 18-Nov-96 | 4 | T6N | R19W | Prospect dump, gossan, orange-brown, abun malachite w/ tr azurite cpy |
| P6-152 | EC | 18-Nov-96 | 4 | T6N | R19W | Dump/subcrop, quartz vein, white orange red black, abun gossan veins & pods, v str limonite, local hematite, minor malachite |
| P6-153 | EC | 18-Nov-96 | 4 | T6N | R19W | Prospect dump, quartz vein, white red pink, local brecciation, mod-str hematite |
| P6-154 | EC | 18-Nov-96 | 4 | T6N | R19W | Prospect dump, gossan, orange orange-brown red, soft, vuggy, local white quartz, minor malachite w/ quartz |
| P6-155 | EC | 18-Nov-96 | 4 | T6N | R19W | Float/subcrop, quartz vein, white, gossany w/ str orange limonite, malachite, tr cpy, azurite |
| P6-156 | EC | 18-Nov-96 | 4 | T6N | R19W | Prospect, outcrop, marble, orange brown tan, mod limonite throughout |
| P6-157 | EC | 19-Nov-96 | 4 | T6N | R19W | Outcrop, quartz vein, white, some calcite, rare drusy vugs |
| P6-158 | EC | 19-Nov-96 | 4 | T6N | R19W | Float/subcrop, marble, white tan orange or-brown, brecciated, mod limonite |
| P6-159 | EC | 19-Nov-96 | 4 | T6N | R19W | Outcrop, altered felsic intrusive, white tan brown, diss limonite after py, mod limonite on fractures |
| P6-160 | EC | 19-Nov-96 | 4 | T6N | R19W | Subcrop, marble, orange red tan white, str fracturing, mod lim/hem on fx, mod pervasive limonite w/ local hematite |
| P6-161 | EC | 19-Nov-96 | 4 | T6N | R19W | Outcrop, marble, white tan brown orange-brown, fractured, mod limonite throughout |
| P6-162 | EC | 19-Nov-96 | 4 | T6N | R19W | Prospect, outcrop, dolomite breccia, orange tan white, mod limonite, rare malachite |
| P6-163 | EC | 19-Nov-96 | 4 | T6N | R19W | Float, quartz vein, white, locally vuggy, limonite after py, mod-str limonite & hematite, tr olive green mineral |
| P6-164 | EC | 19-Nov-96 | 4 | T6N | R19W | Float, basalt, black dk brown red-brown, aphanitic, magnetic, minor limonite &/or hematite |
| P6-165 | EC | 19-Nov-96 | 4 | T6N | R19W | Float, gossan, orange orange-brown red black, str limonite, local hematite, cutting grey dolomite/marble |
| P6-166 | EC | 19-Nov-96 | 4 | T6N | R19W | Float, quartz vein, white, vuggy w/ drusy xtals, mod-str limonite, local hematite, mod malachite |
| P6-167 | EC | 19-Nov-96 | 4 | T6N | R19W | Float, quartz vein, white, str limonite |
| L6-014 | EC | 24-Aug-96 | 5 | T6N | R19W | Prospect pit, dump, dolomitic marble, light grey, moderate malachite, moderate limonite |
| L6-015 | EC | 24-Aug-96 | 5 | T6N | R19W | Prospect pit, dump, dolomitic marble, light grey, trace malachite, moderate limonite |
| L6-016 | EC | 24-Aug-96 | 5 | T6N | R19W | Prospect pit, dump, granite, white, very fine-grained, trace malachite-chryscolla-limonite on fractures, fresh feldspars |
| L6-017 | EC | 24-Aug-96 | 5 | T6N | R19W | Outcrop, dolomite-limestone marble, banded grey-white, weak disseminated Fe-oxides, possible contact garnet |
| L6-018 | EC | 24-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-rich gossan/jasperoid, ochre |
| L6-019 | EC | 24-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-rich gossan/jasperoid, ochre |
| L6-020 | EC | 24-Aug-96 | 5 | T6N | R19W | Outcrop, dolomitic marble, banded light grey-grey, weak limonite, weak idocrase, weak malachite? |
| L6-021 | EC | 24-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, sheared shale-dolomite, dark grey, moderate limonite, moderate malachite |
| L6-022 | EC | 24-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, dolomitic marble, moderate malachite, moderate limonite |
| L6-023 | EC | 24-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-rich gossan/jasperoid, in grey dolomite |
| L6-024 | EC | 24-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-rich gossan/jasperoid, in grey dolomite |
| L6-025 | EC | 24-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-rich gossan/jasperoid, in grey dolomite |
| L6-026 | EC | 26-Aug-96 | 4 | T6N | R19W | Prospect pit, outcrop, 2" quartz vein in grey marble, malachite, limonite, pyrite, chalcopyrite, bornite |
| L6-027 | EC | 26-Aug-96 | 5 | T6N | R19W | Subcrop, dolomitic marble, orange-buff, tremolite, quartz, limonite, trace malachite |
| L6-028 | EC | 26-Aug-96 | 5 | T6N | R19W | Subcrop, dolomitic marble, orange-buff, tremolite, quartz, limonite, weak malachite |
| L6-029 | EC | 26-Aug-96 | 16 | T39N | R70E | Subcrop, banded limestone marble, tan-brown, spotted hornfels, limonite after pyrite |
| L6-030 | EC | 26-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-rich gossan in grey dolomite |
| L6-031 | EC | 26-Aug-96 | 4 | T6N | R19W | Subcrop, Fe-rich gossan in grey dolomite |
| L6-032 | EC | 26-Aug-96 | 4 | T6N | R19W | Float, quartz vein material, pyrite, chalcopyrite, malachite, hematite, limonite, similar to L6-026 |
| L6-033 | EC | 26-Aug-96 | 4 | T6N | R19W | Subcrop, Fe-rich gossan material in buff marble |
| L6-034 | EC | 26-Aug-96 | 4 | T6N | R19W | Prospect pit, dump, Fe-rich gossan material, trace malachite, in grey dolomite |
| L6-035 | EC | 26-Aug-96 | 4 | T6N | R19W | Subcrop, Fe-rich gossan vein with trace malachite |
| L6-036 | EC | 26-Aug-96 | 4 | T6N | R19W | Subcrop, Fe-rich gossan vein, in buff dolomitic marble |
| L6-037 | EC | 26-Aug-96 | 4 | T6N | R19W | Adit, outcrop, zebra dolomite, grey-white, weak limonite on fractures |
| L6-038 | EC | 26-Aug-96 | 4 | T6N | R19W | Prospect pit, dump, oxide material, red-greenish grey waxy mineral, weak limonite |
| L6-039 | EC | 26-Aug-96 | 4 | T6N | R19W | Prospect pit, dump, sulfide material, green-grey, black sulfide?, chlorite |
| L6-040 | EC | 26-Aug-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-rich gossan/jasperoid, ochre, in grey dolomite |
| L6-041 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, jasperoid breccia, light grey, vuggy, trace MnOx |
| L6-042 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, white barite in grey jasperoid breccia, weak limonite |
| L6-043 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, jasperoid breccia, brown-red-black-olive grey |
| L6-044 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, jasperoid breccia, brown-grey-orange |
| L6-045 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, Mcd, quartzite, red brown |
| L6-046 | CC | 26-Aug-96 | 34 | T7N | R19W | Outcrop, jasperoid breccia, orange grey |
| L6-047 | CC | 26-Aug-96 | 27 | T7N | R19W | Outcrop, Mcd, grey-orange grey, sheared |
| L6-048 | CC | 26-Aug-96 | 33 | T7N | R19W | Subcrop, fault zone, limestone, orange yellow, sheared |
| L6-053 | CC | 07-Sep-96 | 27 | T7N | R19W | Outcrop, sheared quartzite-conglomerate, orange fractured |
| L6-054 | CC | 07-Sep-96 | 27 | T7N | R19W | Outcrop, sheared siltstone, grey, weak limonite, jarosite?, same as L6-047 |
| L6-055 | CC | 07-Sep-96 | 27 | T7N | R19W | Subcrop, siltstone, grey, sheared, weak limonite |
| L6-056 | CC | 07-Sep-96 | 27 | T7N | R19W | Subcrop, siltstone, moderate limonite, calcareous, white bull quartz veins |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Area | Date | Sec | Twnsp | Range | Description |
|---|---|---|---|---|---|---|
| L6-057 | CC | 07-Sep-96 | 27 | T7N | R19W | Subcrop, siltstone, black, weak limonite, fractured |
| L6-058 | CC | 07-Sep-96 | 27 | T7N | R19W | Outcrop, quartzite, buff, fractured |
| L6-059 | CC | 07-Sep-96 | 27 | T7N | R19W | Subcrop, siltstone, orange grey, bull quartz veins, calcareous |
| L6-060 | CC | 07-Sep-96 | 28 | T7N | R19W | Subcrop, pink sandstone, banded, weak limonite-hematite |
| L6-061 | CC | 07-Sep-96 | 28 | T7N | R19W | Float, sandstone, buff-pink, brecciated |
| L6-062 | EC | 11-Sep-96 | 5 | T6N | R19W | Outcrop, dolomitic marble, white |
| L6-063 | EC | 11-Sep-96 | 5 | T6N | R19W | Repeat of L6-028 |
| L6-064 | EC | 11-Sep-96 | 5 | T6N | R19W | Prospect pit, dump, quartz vein/Fe-gossan, orange-red, weak malachite, in white marble |
| L6-065 | EC | 27-Sep-96 | 9 | T6N | R19W | Outcrop, aplitic granodiorite, buff, weak limonite, weakly fractured |
| L6-066 | EC | 27-Sep-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-gossan, minor galena, sphalerite, barite, in grey dolomite, < 6" thick |
| L6-067 | EC | 27-Sep-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-gossan, minor galena, sphalerite, in grey dolomite, < 3" thick |
| L6-068 | EC | 27-Sep-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-gossan, minor galena, sphalerite, in grey dolomite, < 2" thick |
| L6-069 | EC | 27-Sep-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-gossan, red-brown, trace galena, sphalerite |
| L6-070 | EC | 27-Sep-96 | 16 | T39N | R70E | Shaft, dump, Fe-gossan, orange red |
| L6-071 | EC | 27-Sep-96 | 16 | T39N | R70E | Subcrop, rhyolite porphyry, buff, rounded quartz eyes, argillized feldspars |
| L6-072 | EC | 27-Sep-96 | 16 | T39N | R70E | Prospect pit, dump, Fe-gossan, orange-red, < 15" thick |
| L6-073 | EC | 27-Sep-96 | 8 | T6N | R19W | Prospect pit, dump, Fe-gossan, orange-red, < 12" thick |
| L6-074 | EC | 27-Sep-96 | 8 | T6N | R19W | Outcrop, limey marble, buff, trace limonite |
| L6-075 | EC | 27-Sep-96 | 8 | T6N | R19W | Shaft, dump, skarn, brown, garnet, pyrite, calcite |
| L6-076 | EC | 27-Sep-96 | 8 | T6N | R19W | Prospect pit, dump, Fe-rich zone in marble, minor malachite-chyrsocolla |
| L6-077 | EC | 27-Sep-96 | 21 | T39N | R70E | Prospect pit, dump, marble, pink-tan, weak limonite-hematite |
| L6-078 | EC | 27-Sep-96 | 21 | T39N | R70E | Prospect pit, dump, marble, tan, weak limonite |
| L6-079 | EC | 27-Sep-96 | 21 | T39N | R70E | Prospect pit, dump, Fe-gossan, orange-brown |
| L6-081 | EC | 03-Oct-96 | 21 | T39N | R70E | Prospect pit, dump, quartzite, orange-brown, moderate limonite |
| **1997 Samples** | | | | | | |
| L7-001 | EC | 04-Jun-97 | 5 | T6N | R19W | Prospect pit, dump, ochre, Fe-gossan, moderate malachite |
| L7-002 | EC | 04-Jun-97 | 5 | T6N | R19W | Float, dolomitic marble, orange-tan, calcite veining, moderate limonite |
| L7-003 | EC | 04-Jun-97 | 16 | T39N | R70E | Adit, dump, marble, orange-tan, moderate limonite, weak malachite |
| L7-004 | EC | 05-Jun-97 | 4 | T6N | R19W | Outcrop, 3" quartz monzonite dike, orange-grey, moderate limonite, trace pyrite, cuts calc-silicate skarn |
| L7-005 | EC | 05-Jun-97 | 4 | T6N | R19W | Outcrop, calc-silicate skarn, hornfels, green-grey, dolomitic, weak limonite |
| L7-006 | EC | 05-Jun-97 | 4 | T6N | R19W | Outcrop, limey marble, orange-tan, strong limonite,3' bed |
| L7-029 | EC | 26-Jun-97 | 4 | T6N | R19W | Outcrop, dolomite, dark grey, cut by stockwork of limonite veinlets |
| L7-030 | EC | 26-Jun-97 | 4 | T6N | R19W | Float, Fe-gossan with bull quartz veins, brecciated, ochre, trace pyrite-malachite-yellow oxide mineral |
| L7-031 | EC | 26-Jun-97 | 4 | T6N | R19W | Prospect pit, brecciated bull quartz vein, orange,strong limonite, trace chalcoopyrite-malachite-black sulfide, slicks, width >2' |
| L7-032 | EC | 26-Jun-97 | 4 | T6N | R19W | Float, Fe-gossan/jasperoid, ochre |
| L7-033 | EC | 26-Jun-97 | 4 | T6N | R19W | Prospect pit, Fe-gossan/jasperoid, ochre, trace malachite |
| L7-034 | EC | 08-Jul-97 | 4 | T6N | R19W | Outcrop, Trp, light grey-orange grey, weak limonite, quartz veinlet stockwork |
| L7-035 | EC | 08-Jul-97 | 4 | T6N | R19W | Subcrop, Trp, white-orange grey, weak limonite, quartz veinlet stockwork |
| L7-036 | EC | 08-Jul-97 | 4 | T6N | R19W | Outcrop, dolomite marble, sheared, white-buff, weak limonite and malachite |
| L7-037 | EC | 09-Jul-97 | 5 | T6N | R19W | Prospect pit, dump, Fe-gossan, ochre, vuggy-porous |
| L7-038 | PR | 10-Jul-97 | 23 | T7N | R19W | Prospect pit, dump, Fe-gossan, ochre |
| L7-039 | PR | 10-Jul-97 | 23 | T7N | R19W | Adit, dump, Fe-gossan, ochre, breccia |
| L7-040 | PR | 10-Jul-97 | 23 | T7N | R19W | Outcrop, jasperoid breccia, red-orange |
| L7-041 | PR | 11-Jul-97 | 13 | T7N | R19W | Outcrop, silicified Ogc, olive grey-orange |
| L7-042 | PR | 11-Jul-97 | 27 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, light grey |
| L7-043 | PR | 11-Jul-97 | 34 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, grey |
| L7-044 | PR | 11-Jul-97 | 34 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, orange grey |
| L7-045 | PR | 11-Jul-97 | 27 | T7N | R19W | Outcrop, 1' wide fault zone,orange grey, Ptc-Pgr contact, brecciated, silicified |
| L7-046 | PR | 11-Jul-97 | 27 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, tan-pink |
| L7-047 | PR | 11-Jul-97 | 27 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, tan-pink |
| L7-048 | PR | 11-Jul-97 | 27 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, red-grey |
| L7-049 | PR | 11-Jul-97 | 22 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, grey-pink |
| L7-050 | PR | 11-Jul-97 | 27 | T7N | R19W | Outcrop, jasperoid/quartzite breccia, grey-pink |
| L7-051 | EC | 12-Jul-97 | 4 | T6N | R19W | Arsenic pit, 1' sheared diabase, olive grey |
| L7-052 | EC | 12-Jul-97 | 4 | T6N | R19W | Arsenic pit, 2' fractured quartzite, limonite on shears |
| L7-053 | EC | 12-Jul-97 | 4 | T6N | R19W | Arsenic pit, Fe-gossan zone, 1/2' wide |
| L7-054 | EC | 12-Jul-97 | 4 | T6N | R19W | Arsenic pit, 5' fractured white quartzite |
| L7-055 | EC | 12-Jul-97 | 4 | T6N | R19W | Arsenic pit, 2.5' fractured orange quartzite, moderate limonite |
| L7-056 | EC | 12-Jul-97 | 4 | T6N | R19W | Arsenic pit, 1/2' Fe-gossan zone, ochre-red brown |
| L7-057 | EC | 12-Jul-97 | 4 | T6N | R19W | Arsenic pit, 3' dolomite, buff-olive grey |
| L7-058 | PR | 12-Jul-97 | 28 | T7N | R19W | Outcrop or slump block, jasperoid breccia, grey-tan |
| L7-061 | PR | 05-Aug-97 | 28 | T6N | R19W | Outcrop, Mcd, sandstone, grey-brown, weak limonite, sheared |
| L7-062 | PR | 05-Aug-97 | 28 | T6N | R19W | Subcrop, Mcd, sandstone, brwon, moderate limonite, sheared |
| L7-063 | PR | 05-Aug-97 | 28 | T6N | R19W | Outcrop, Mcd, sandstone-conglomerate, orange-brown, weak limonite |
| L7-064 | PR | 05-Aug-97 | 28 | T6N | R19W | Outcrop, jasperoid breccia, grey |
| L7-065 | PR | 05-Aug-97 | 28 | T6N | R19W | Outcrop, Mcd, sandstone-conglomerate, orange brown, weak silicification, moderate limonite |
| L7-066 | PR | 05-Aug-97 | 33 | T6N | R19W | Outcrop, jasperoid breccia, grey |
| L7-067 | PR | 05-Aug-97 | 27 | T6N | R19W | Outcrop, jasperoid breccia, grey-orange, weak limonite |
| L7-068 | PR | 05-Aug-97 | 28 | T6N | R19W | Outcrop, Mcd, sandstone, orange-grey |
| L7-069 | PR | 05-Aug-97 | 27 | T6N | R19W | Outcrop?, Mcd?, sand-siltsone, olive grey, calcite veinlets, limonite on fractures |
| L7-070 | PR | 05-Aug-97 | 27 | T6N | R19W | Subcrop?, contact of Mcd-Ptc, siltstone, Fe-stained, orange brown, strong limonite |
| L7-071 | PR | 05-Aug-97 | 27 | T6N | R19W | Subcrop, Mcd, sandstone, orange, brecciated, calcareous |
| L7-072 | PR | 05-Aug-97 | 27 | T6N | R19W | Subcrop, Mcd, siltstone, grey-olive grey, weak limonite |
| L7-073 | PR | 06-Aug-97 | 27 | T6N | R19W | Outcrop, jasperoid breccia, grey |

PILOT RANGE, ELKO CO, NV - 1988-97 ROCK SAMPLES

| Sample Number | Area | Date | Sec | Twnsp | Range | Description |
|---|---|---|---|---|---|---|
| L7-074 | PR | 06-Aug-97 | 27 | T6N | R19W | Outcrop, jasperoid breccia, grey |
| L7-075 | PR | 06-Aug-97 | 34 | T6N | R19W | Outcrop, Mcd, sandstone, orange-brown |
| L7-076 | PR | 06-Aug-97 | 27 | T6N | R19W | Outcrop, Mcd, sandstone, orange-brown |
| L7-077 | PR | 06-Aug-97 | 27 | T6N | R19W | Outcrop, Mcd, sandstone-siltstone, grey-yellow ochre |
| L7-078 | PR | 06-Aug-97 | 28 | T6N | R19W | Prospect pit, Fe-gossan, ochre, may be float boulder |

## APPENDIX B

Kenco Minerals Inc. Report on East Canyon Project

## EAST CANYON PROJECT

### Introduction

The magnetic response are very strong, in some cases more than 1000 nT (nano Teslas, used to be called gammas). The responses are from a shallow depth, in most cases, interpreted as outcrop. The strong magnetic responses in general are interpreted as being due to mafic rocks, Td tertiary diorite for example. I expect that the diorite is post ore and is not a target of interest. If it can be related to mineralization, some of the interpretation will need to be changed.

Some portions of the magnetic response, along the diorite trend, look different. The magnetic response is stronger, wider, and is near a bend in the structures. It may be a wider zone of diorite, but skarn mineralization would also be possible. In both cases (feature A1 and C), there is an increase in gold mineralization at the surface. The magnetic responses are very shallow, within 10's of feet of the surface if not in outcrop.

Some of the responses were interpreted using computer models. The computer modeling is very useful to the interpreter to help with the geologic interpretation, and to limit the possible geologic interpretations. I use the values of the magnetic susceptibility and shapes to give me a feel for the response and rock types, however many geologic interpretations can fit the magnetic response. Use magnetic models with caution, if someone is confident in the calculated magnetic model they probably have little field experience.

### Rock Unit Responses

Diorite (Td). In general the diorite has a strong magnetic response as would be expected. The magnetic response is highly variable. A small change in mafic content, different phases, will have a large effect on the response. The diorite also has a strong remnant magnetic response which causes negative magnetic readings.

Granite-granodiorite (Tg). There is little correlation with the magnetic response.

Sediments - marble and limestone. There should be no magnetic response, areas with sedimentary rocks have a flat magnetic response, see the Lewis Springs data. Here areas mapped as sediments do have magnetic response, the sediments are either thin covering more mafic rocks, or there is mineralization within the sediments.

### Feature A (line 2200N, station grid 1800E) moderate priority

Feature A has a strong magnetic response, both negatives and positive magnetic responses (see line 2200N as an example, a computer magnetic model is included). The negatives are due to both the geometric affect and remnant magnetization. Feature A is mapped as Td (diorite). I have used the same boundaries for feature A as the mapped diorite in the field. The diorite is trending northwest with a strike length of 1200 feet.

The magnetic response is from a very shallow source. In general because the diorite is shallow, the magnetic response adds little to the geologic mapping, except perhaps to confirm the mapping.

On the northwest end of the diorite (line 2800N, station 1200E) the magnetic response is different. The strong magnetic response is negative, due to remnant magnetization (see magnetic model). The negative magnetic response is wider, 200 feet, and not as erratic as the diorite to the south. Is it possible that we have skarn mineralization in addition to the diorite. Line 2600 has a strong magnetic high and a strong magnetic low from 1200 to 1600E. Skarn mineralization can cause both strong magnetic highs and magnetic lows.

Interpretation of the contour map indicates a possible fault between lines 2600 and 2800. This interpreted fault is in the area of high gold soil samples.

**Feature A1 (Line 2800N, station E1200E) high priority**

Discussed with feature A, the stronger and wider magnetic response with the high gold values give feature A1 a high priority.

**Feature B (Line 2200, station 1500E) moderate priority**

Feature B is a strong magnetic response, over 500 nT. The magnitude is similar to that mapped as diorite. It is in an area mapped as marble and dolomite. The source of the magnetic response perhaps 50 feet deep and continues to the west at a greater depth. I interpret the magnetic high as being due to igneous rock under a thin veneer of the sediments, perhaps a flat fault.

The reason for a moderate priority is that the response is similar to feature A1, where high values of gold in soils was measured. Perhaps a portion of the magnetic high is due to a skarn, certainly much of the response is due to igneous rock. No soil geochemical anomaly would be expected if mineralization at depth was covered by a thrust fault.

**Feature C (line 3200N, station 1800E)**

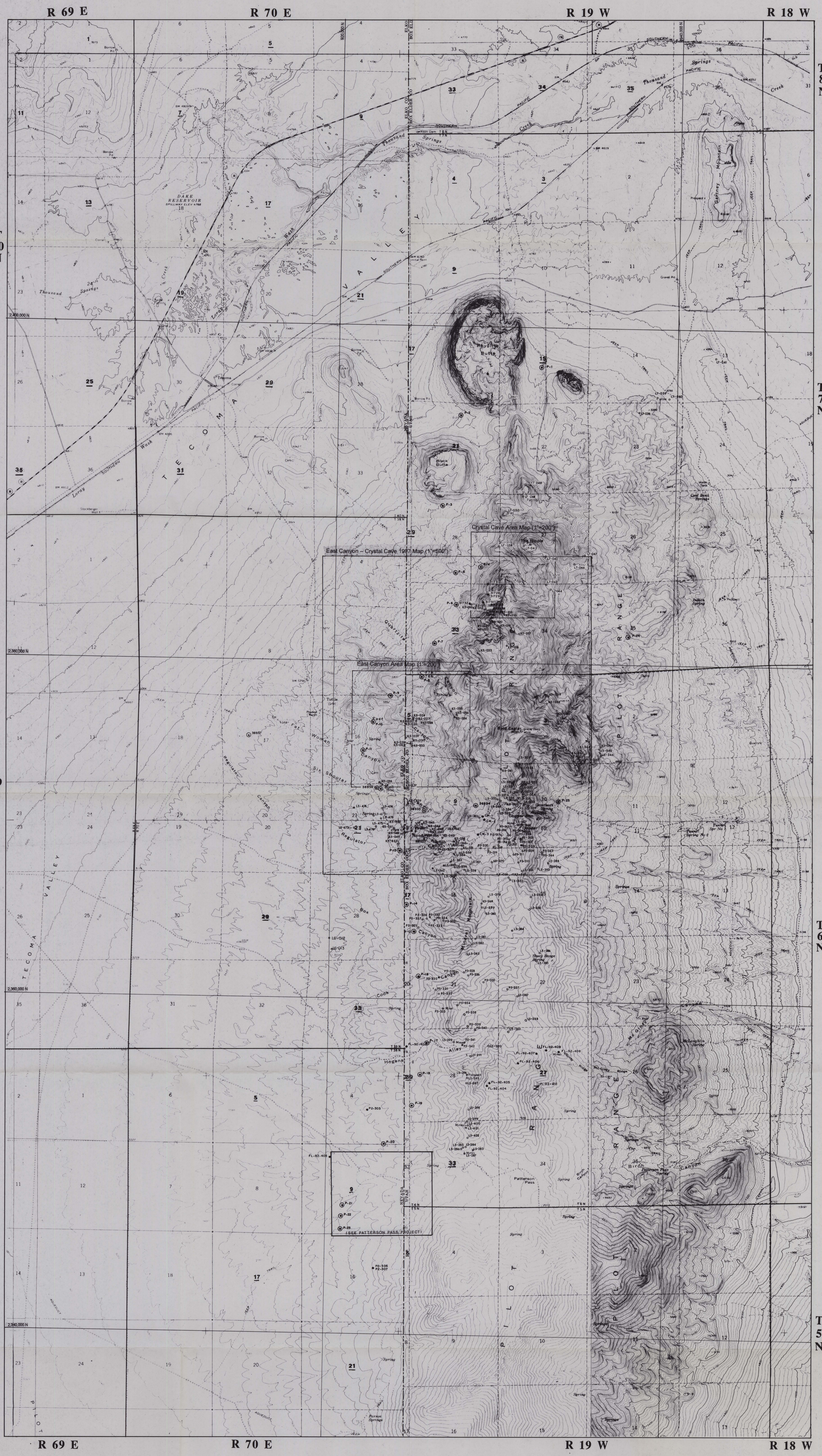
Feature C is a strong magnetic response within an area mapped as marble. The response is due to a mafic rock, perhaps the diorite (is diorite an intrusive rock?). It is interesting that the widest part of the feature, the south end, is associated with increased gold values in the rocks.

**Linear 1 (line 2800N, station 1100E)**

Linear, perhaps a fault, based on the change in the magnetic response. It is associated with an increase in gold values in the soil.

**Linear 2 (Line 2600N, station 1800E)**

Linear 2 is along the mapped diorite. The magnetic response to the northwest of linear 2 is lower than to the southeast. Perhaps the diorite intruded into a fault zone.




## EXPLANATION

FL-92-403 Rock Sample

36936 Heavy Mineral Stream Sediment Sample

33 Sections where Lexam Explorations has 100% mineral rights

2 Sections where Lexam Explorations has less than 100% mineral rights

0 2000 4000 6000 Feet

Grid based on Nevada coordinate system east zone

**LEXAM EXPLORATIONS (U.S.A.) INC.**

**PILOT RANGE RECON**

COPPER MOUNTAIN AREA

Elko County, Nevada & Box Elder County, Utah

**SAMPLE LOCATIONS**

| DATE | SCALE | MAP BY | |
|---|---|---|---|
| February 3, 1998 | 1"=2000' | FWL | PLATE I |

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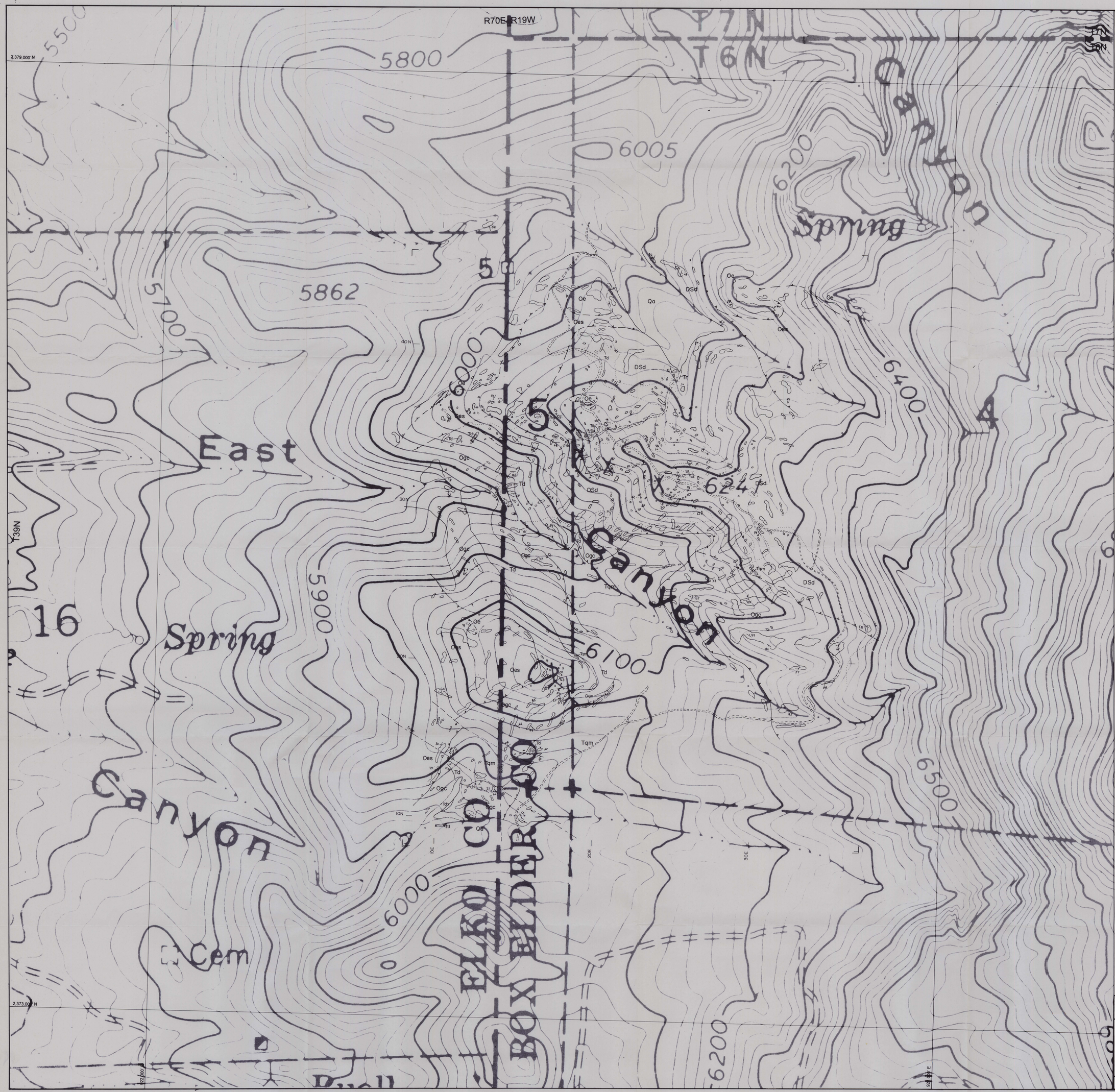
ITEM 11




## EXPLANATION

| | | |
|---|---|---|
| Quaternary | Qa | Alluvium |
| Tertiary | Td | Diabase Intrusive |
| | Tr | Rhyolite Dike |
| | Tqm | Quartz Monzonite Pluton |
| Devonian-Silurian | DSd | Dolomite |
| Ordovician | Oes | Ely Springs Dolomite |
| | Oe | Eureka Quartzite |
| | Ogc | Garden City Formation |

## SYMBOLS

- Marble Zone
- Outcrop
- Contact
- Low-angle Fault
- Jointing
- Bedding
- Quartz Vein
- Iron Staining

0 200' 400' 600'
Scale 1" = 200'

Grid based on Nevada coordinate system east zone.

**LEXAM EXPLORATIONS (U.S.A.) INC.**

**EAST CANYON AREA**
Northern Pilot Range

Elko County, Nevada & Box Elder County, Utah

**GEOLOGY**

| DATE | SCALE | MAP BY | PLATE |
|---|---|---|---|
| June, 15, 1997 | 1:2,400 | FWL | 2 |

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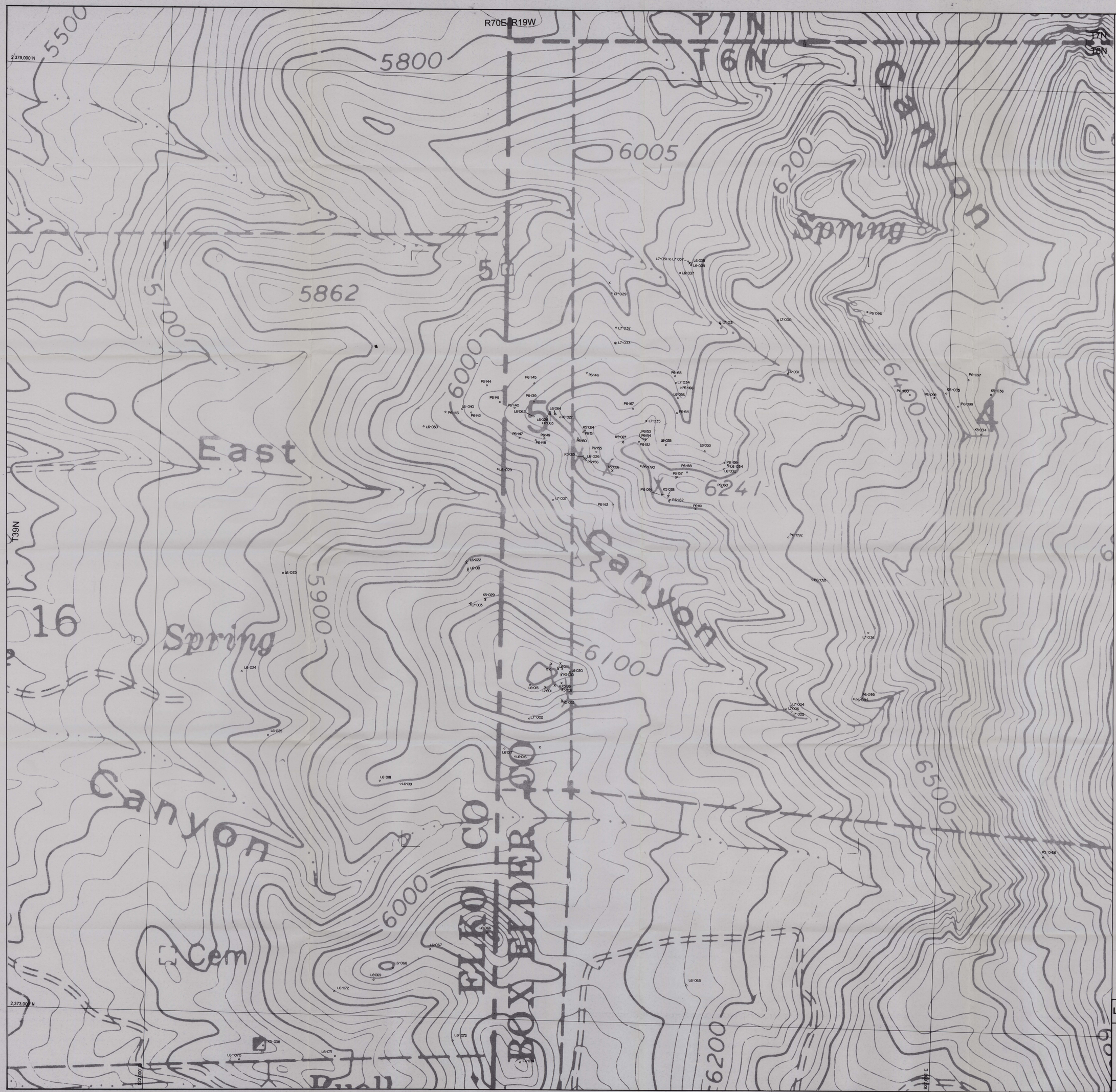


EXPLANATION

° FL-092 Rock Sample Location

N

Soil grid is local user-defined.

0' 200' 400' 600'
Scale 1" = 200'

Grid based on Nevada coordinate system east zone.

**LEXAM EXPLORATIONS (U.S.A.) INC.**

**EAST CANYON AREA**
Northern Pilot Range

Elko County, Nevada & Box Elder County, Utah

SAMPLE LOCATIONS

| DATE | SCALE | MAP BY | PLATE |
|---|---|---|---|
| JULY 10, 1997 | 1:2,400 | FWL | 3 |

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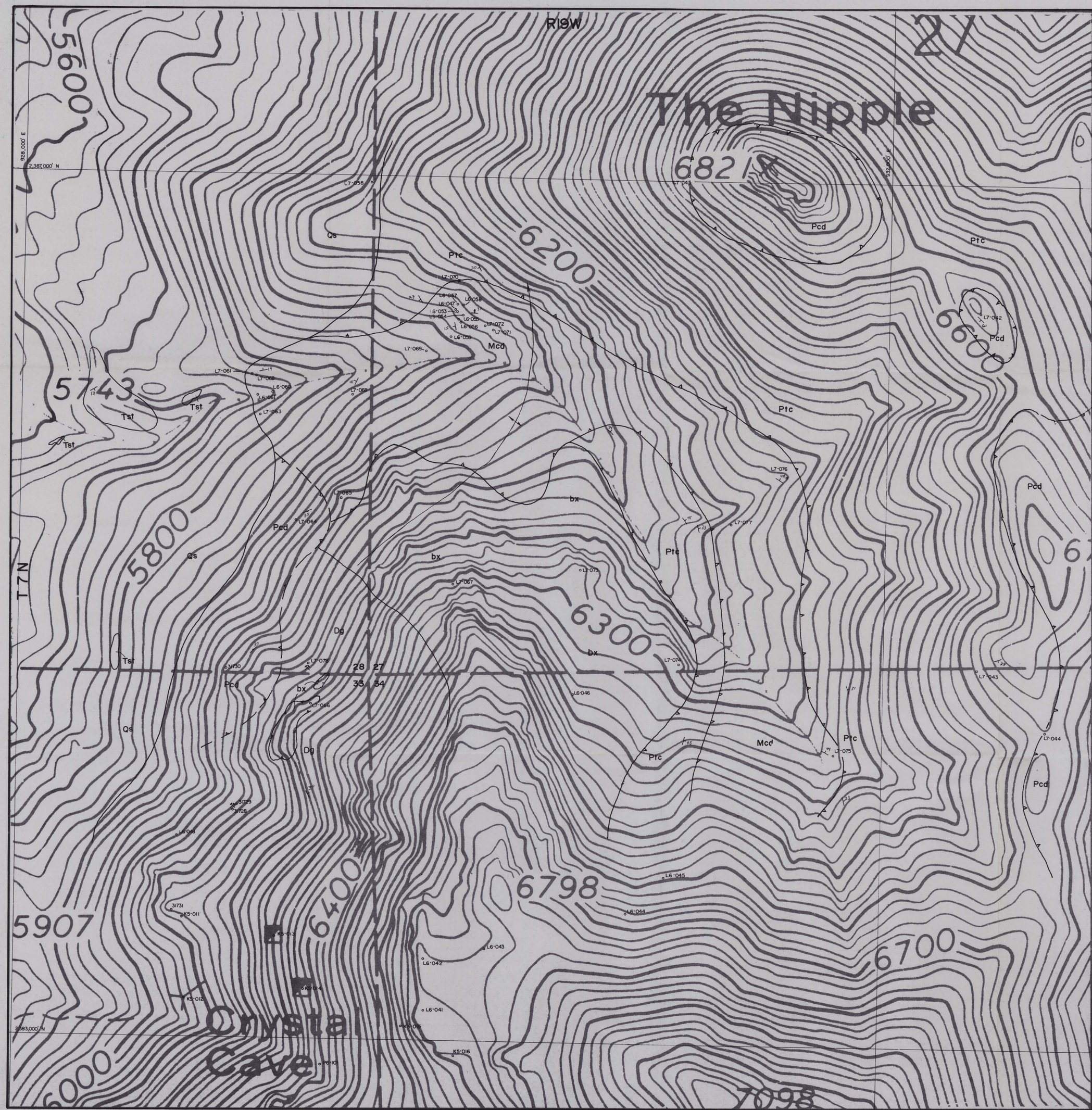
ITEM 11




## EXPLANATION

| | | |
|---|---|---|
| Quaternary | Qs | Surficial Deposits |
| Tertiary | Tst | Salt Lake Tuffaceous Sediments |
| Permian | Pcd | Chert and Dolomite |
| | Ptc | Trapper Creek Formation |
| Mississippian | Mcd | Chainman-Diamond Peak Formation |
| | bx | Silicified Breccia |
| Devonian | Dg | Guilmette Formation |

## SYMBOLS

- Contact
- Low-angle Fault
- Jointing
- Bedding
- Rock Sample Location

0 200 400 600 800 ft

Scale 1" = 200'

Grid based on Nevada coordinate system east zone.

**LEXAM EXPLORATIONS (U.S.A.) INC.**

**CRYSTAL CAVE AREA**

Northern Pilot Range

Box Elder County, Utah

**GEOLOGY & SAMPLE LOCATIONS**

| DATE | SCALE | MAP BY | PLATE |
|---|---|---|---|
| August 18, 1997 | 1:2,400 | FWL | 5 |

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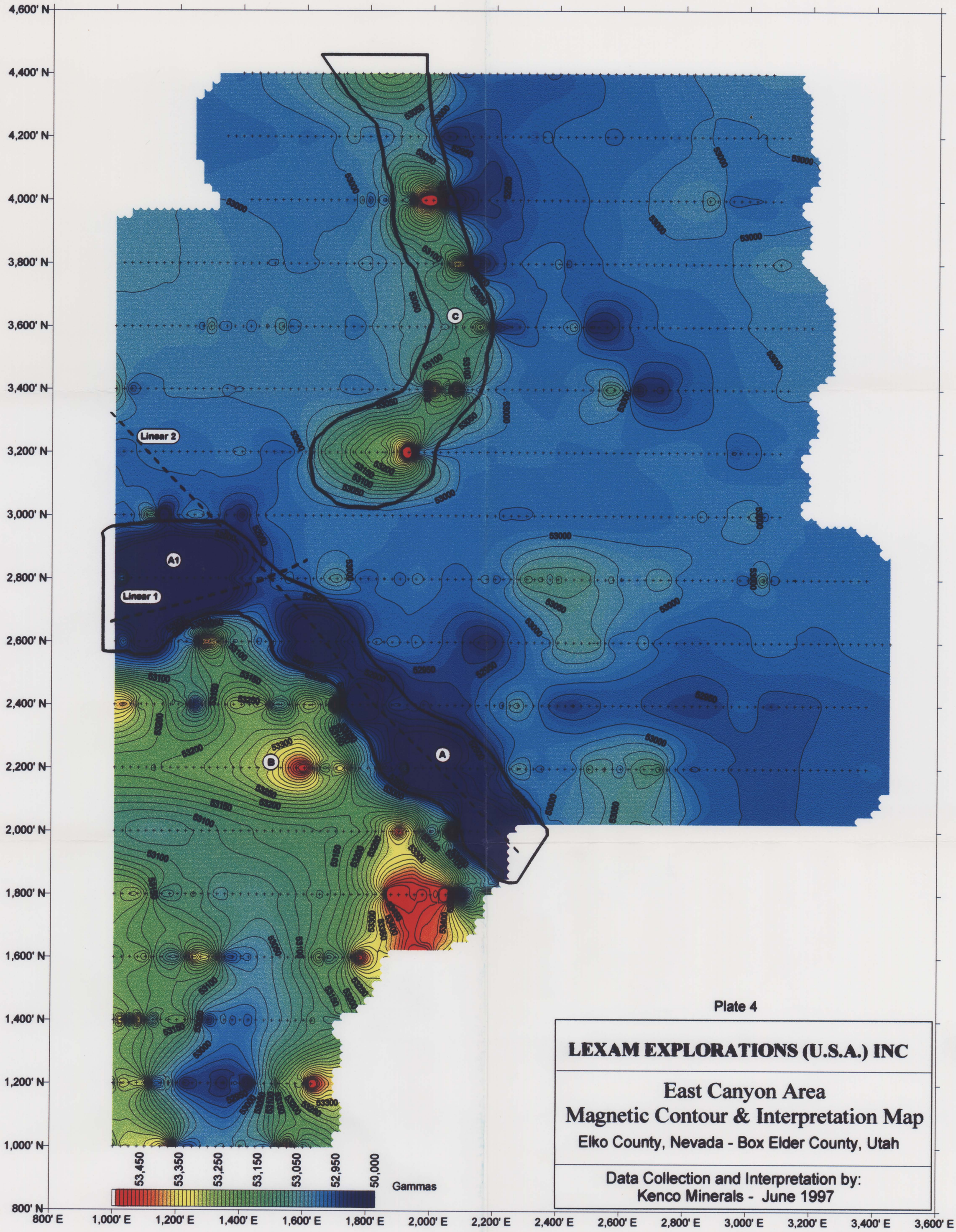


Plate 4

**LEXAM EXPLORATIONS (U.S.A.) INC**

East Canyon Area
Magnetic Contour & Interpretation Map
Elko County, Nevada - Box Elder County, Utah

Data Collection and Interpretation by:
Kenco Minerals - June 1997

29200013

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ITEM 11