

0050 0093

(ELG)
Item 150

**1995 EXPLORATION PROGRAM
TOANO PROJECT**

Elko County, Nevada

for

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

5171 Ward Road, Unit 1
Wheat Ridge, Colorado 80033

by

Fred W. Limbach

February 20, 1996

TABLE OF CONTENTS

	page
LIST OF ILLUSTRATIONS	ii
SUMMARY	1
INTRODUCTION	2
PREVIOUS INVESTIGATIONS	2
GEOLOGY	5
Stratigraphy.....	5
Structure.....	5
Alteration	5
GEOPHYSICS.....	7
GEOCHEMISTRY	7
Rock Samples.....	7
Element Zoning.....	9
CONCLUSIONS.....	9
Precious and Base Metal Potential.....	9
Industrial Mineral Potential	9
RECOMMENDATIONS	10
REFERENCES	11
APPENDIX A - 1988-92 Rock Assays	12
APPENDIX B - 1994 Limestone Analyses	22
APPENDIX C - 1995 Rock Assays and Descriptions	24

LIST OF ILLUSTRATIONS

	page
Figure 1. Property Location Map.....	3
Figure 2. Claim Map	4
Figure 3. Ground Magnetics	8
Table 1. Stratigraphic Section.....	6
Plate 1. Geology (1"=2,000').....	in pocket
Plate 2a. Sample Locations (1"=2,000').....	in pocket
Plate 2b. Sample Locations (1"=500').....	in pocket
Plate 3. Polarized Magnetic Intensity	in pocket
Plate 4. Drill Hole Locations	in pocket
Plate 5. Element Zoning.....	in pocket
Plate 6. Geology-Silver Zone Pass Area (1"=2,000').....	in pocket
Plate 7. Sample Locations-Silver Zone Pass Area(1"=2,000').....	in pocket
Plate 8. Element Zoning-Silver Zone Pass Area (1"=2,000').....	in pocket

SUMMARY

The Toano project area, located southwest of Montello in Elko County, Nevada, includes 16 sections of land at the north end of the Toano Range and 6 sections of land in the center of the range at Silver Zone Pass. Lower Paleozoic carbonate and clastic sedimentary rocks have been intruded by granitic to dioritic stocks and dikes, and locally altered to marble and calc-silicate skarn. Minor production of lead and copper is recorded for the early to mid-1900's in the area. Porphyry copper exploration took place in the area in the 1970's and early 1980's followed by exploration for gold mineralization as the major target since the mid-1980s.

Exploration, by Lexam from 1988-92, focused on gold skarn mineralization on the northeast flank of the range. Drilling during 1991-2 discovered intercepts of weak gold-copper skarn mineralization developed in Paleozoic carbonates adjacent to the Castle Park pluton. Additional low-priority drill targets, identified around the margins of the intrusive body, remain untested. Work in 1995, expanded the area explored to cover all the mineral rights owned by Lexam in the Toano Range. This work included limited geologic mapping, prospecting along favorable stratigraphic and structural trends, and rock sampling. This effort failed to discover any new areas of gold mineralization. However, two areas having potential for copper-gold mineralization have not been fully explored.

In addition to the base- and precious-metal potential of the area, there is potential for industrial minerals. The Guilmette Limestone, a potential source of high-calcium lime, outcrops at several places in the northern Toano Range. Investigations to date suggest that dolomitization has destroyed portions of the limestone in the unit. Silica was produced from the Eureka Quartzite in the 1950's. The silica resources have not been evaluated.

A limited amount of geologic mapping, rock sampling, and TEM geophysics are recommended to better assess the known copper-gold mineralization.

INTRODUCTION

The Toano project area is located in Elko County, Nevada in the northern and central Toano Range, between Wendover and Montello, Nevada (Figure 1). The area has seen limited production of Ag, Pb, Zn, and Au (LaPointe and others, 1991) and minor amounts of silica. The only operating mine in the area is the Pilot Peak lime quarry, operated by Continental Lime in the southern Toano Range. Continental operates a 1,000-1,200 ton per day calcining plant and serves many of the gold mining companies in northern Nevada with lime.

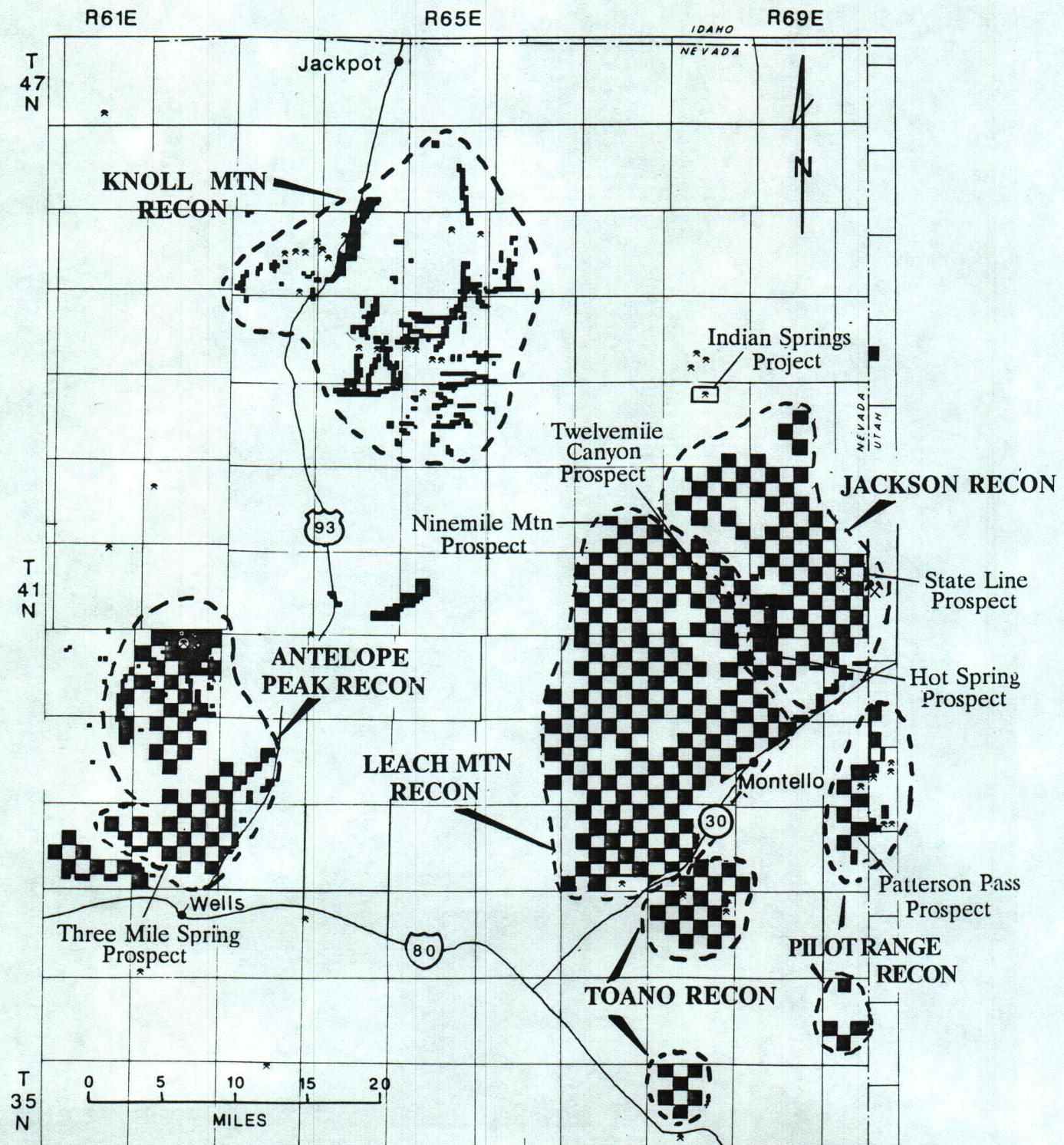
Lexam's land holdings in the area include the 16 sections of fee minerals in the Loray mining district in the northern part of the range and the 6 sections of fee minerals in the Proctor mining district at Silver Zone Pass. Lexam owns 75% of the mineral rights to sections in both of these areas and Mobil owns the remaining 25%. The intervening sections are all administered by the BLM. In addition, Lexam owns six TN unpatented mining claims covering a silica prospect and twelve TNL claims covering a lime prospect (Figure 2).

PREVIOUS INVESTIGATIONS

Powell (1993) and LaPointe and others (1991) discussed previous mining and exploration activity in the northern Toano Range as being part of the Loray mining district. LaPointe and others (1991) also describe mineralization at Silver Zone Pass as part of the Proctor mining district. Between 1872 and 1954 very limited amounts of copper, silver, and tungsten have been produced from shallow workings in the Silver Zone Pass area. The deposits consist of narrow, quartz veins with minor amounts of sulfides or scheelite.

Exploration, by Lexam from 1988-92, focused on gold skarn mineralization on the northeast flank of the range. Drilling during 1991-2 discovered intercepts of weak gold-copper skarn mineralization developed in the Paleozoic carbonates adjacent to the Castle Park pluton. Additional low-priority, drill targets were identified around the margins of the Castle Park intrusive body (Powell, 1993).

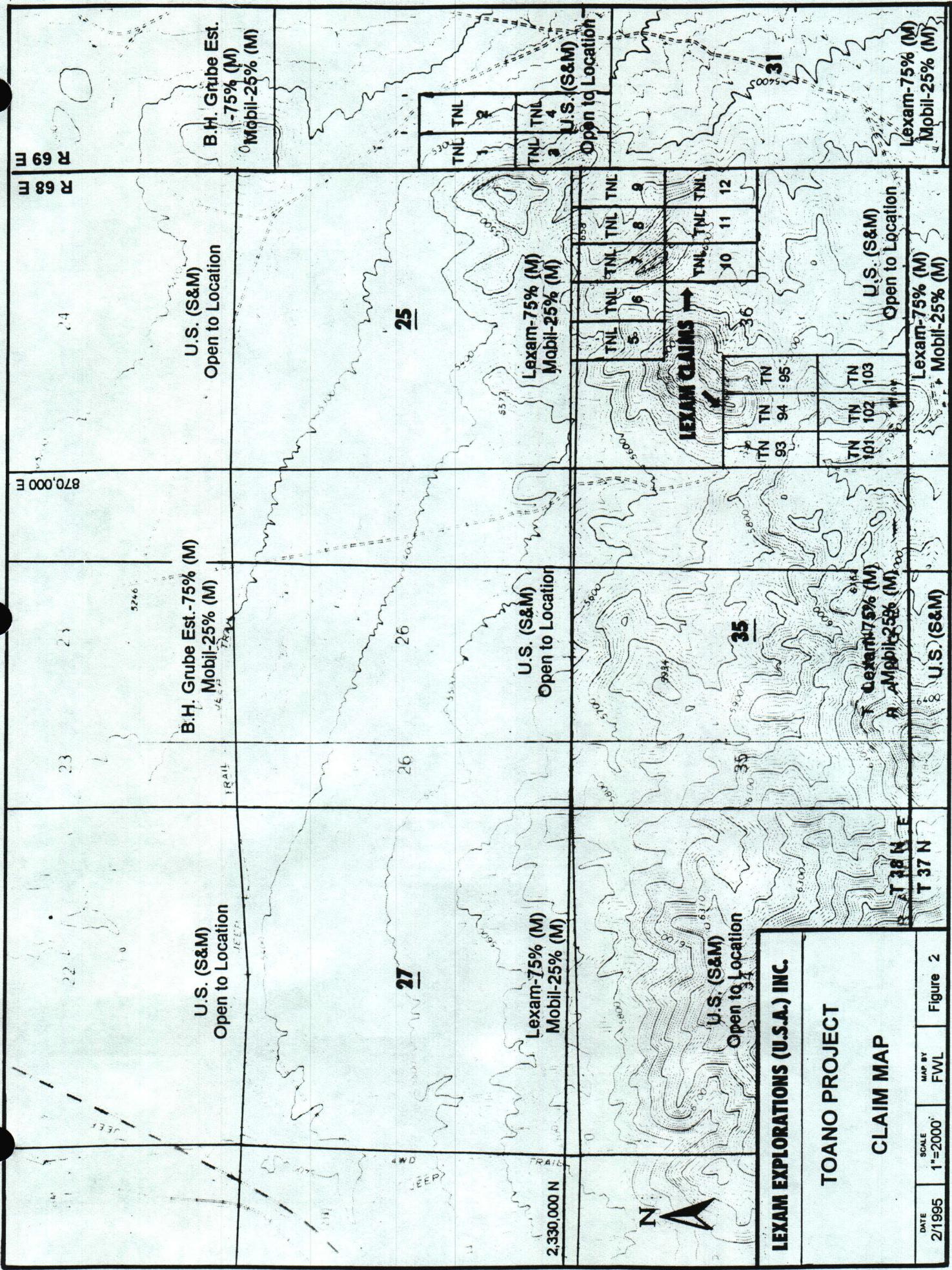
Work in 1995, expanded the area explored to cover all the mineral rights owned by Lexam in the Toano Range that had not previously been explored. This work included limited geologic mapping, prospecting along favorable stratigraphic and structural trends, and rock sampling.



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

TOANO PROJECT

LOCATION MAP



GEOLOGY

Stratigraphy

A stratigraphic section of the northern and central Toano Range is included as Table 1. Details of the regional and local geology of the Toano area are discussed by Glick (1987) and Watkins (1989). Sedimentary rocks in the core of the range vary in age from Proterozoic to Permian. Tertiary volcanic and volcanicalstic rocks flank the north end of the range.

The Toano Range has been the site of periodic plutonism from the Jurassic to the Tertiary. In the south portion of the range, the Jurassic Silver Zone Pass granodiorite intrudes metamorphosed Cambrian-Proterozoic carbonates (Plate 6). Miller and others (1990) approximate the age at 152 million years. The Paleozoic carbonate and clastic rocks in the northern end of the range have been intruded by the Tertiary Castle Park granodiorite (Plate 1). The lower Paleozoic carbonate and clastic sediments have been metamorphosed to calc-silicate skarn and marble by the 37 million year stock (Miller and others, 1990).

In between Lexam's mineral holdings in the central Toano Range, the Cretaceous Toano Springs quartz monzonite intrudes Cambrian and Proterozoic metamorphosed rocks. Miller and others (1990) estimate the age to be 85-80 million years. Highly radioactive topaz rhyolite flow domes also extrude through Cambrian limestones in the central Toano Range north of the Toano Springs pluton (Price and others, 1992). The rhyolite has been dated at 13 million years.

Structure

The Toano Range is divided into northern and southern structural blocks by a regional detachment fault (Glick, 1987). The detachment fault is located between the north end of the range (Plate 1) and Silver Zone Pass (Plate 2). The northern block (Plate 1) is in the upper plate of the detachment fault and exhibits thrust faults, low-angle normal faults, and kilometer-scale folds. Bedrock consists of unmetamorphosed Cambrian to Permian carbonate and clastic rocks.

The southern block, which includes the Silver Zone Pass area (Plate 2), is in the lower plate of the detachment. The lower plate rocks consist of weakly metamorphosed Proterozoic to Cambrian carbonate and clastic rocks. The lower plate lacks thrust faults, but exhibits major folds and high- and low-angle faults. Greenschist- to amphibolite-grade metamorphism and strong penetrative deformation is common in the lower plate (Glick, 1987).

Alteration

Alteration in the northern part of the range (Plate 1) consists of; (1) a narrow metamorphic aureole around the Castle Park pluton; (2) silicification of the breccia zone separating the Guilmette Limestone from the Chainman-Diamond Peak Formations; (3) iron-gossans present at most of the prospects and mines; and (4) marble and cross-cutting

Table 1

TOANO RANGE STRATIGRAPHIC SECTION

Quaternary	Qs	Surficial Deposits
Tertiary	Ts	Salt Lake Formation Volcaniclastics
	Tv	Volcanic Rocks Undivided
	Td	Diorite Dike
	Tr	Rhyolite Dike
	Tcp	Castle Park Pluton
Jurassic	Jg	Silver Zone Pass Pluton
Permian	Pgr	Grandeur Formation
	Ptc	Trapper Creek Formation
	Pe	Ely Group
Mississippian	Mcd	Chairman-Diamond Peak Formations
	bx	Silicified Breccias
Devonian	Dg	Guilmette Limestone
	Ds	Simonson Dolomite
Dev-Silurian	DSI	Lone Mountain Dolomite
Silurian	Sr	Roberts Mountains Formation
Sil-Ordovician	SOle	Laketown Dolomite-Ely Springs Dolomite
Ordovician	Oe	Eureka Quartzite
	Ol	Lehman Formation
	Ok	Kanosh Shale
	Og	Garden City Formation
Cambrian	Cn	Notch Peak Formation
	Co	Orr Formation
	Cc	Clifside Limestone
	Ct	Toano Limestone
	Ck	Killian Springs Formation
	Cu	Undivided Carbonate Rocks
Camb-Prot	CZp	Prospect Mountain Quartzite

Section modified from Glick (1987)

quartz veins in sections 8,9, and 16, T37N, R68E on the west side of the range. Widths of calc-silicate skarn are generally less than 50 ft. The exposed iron-gossan bodies are usually developed in the Simonson Dolomite or the Guilmette Limestone. Except for the silicified breccia unit, no jasperoids have been found in the Toano Range. The broad area of marble on the west side of the range is spatially un-related to any exposed intrusive body.

Alteration in the Silver Zone Pass area (Plate 6) consists of sericitic alteration in the Silver Zone Pass pluton. Alteration products consist of sericite, muscovite, large euhedral pyrite, hematite-limonite (after pyrite), and quartz veining. Narrow, massive, quartz veins with minor amounts of sulfides or scheelite have been explored both in the intrusive and in the carbonate wall rocks.

GEOPHYSICS

In May, 1989, Barringer Geoservices, Inc., flew an aeromagnetic survey of the northern Toano Range for Abermin, Lexam's predecessor. The aeromagnetic survey identified an elongate, dumbbell-shaped, magnetic high interpreted as an east-west trending intrusive complex (Plate 3). The eastern part of this high is related to the near-surface group of intrusive rocks and related skarn in the area. This area was the focus of exploration activities from 1989-92. North of the main magnetic high are a series of alternating high and low features that represent volcanic rocks in the alluvial covered valley north of the Toano Range.

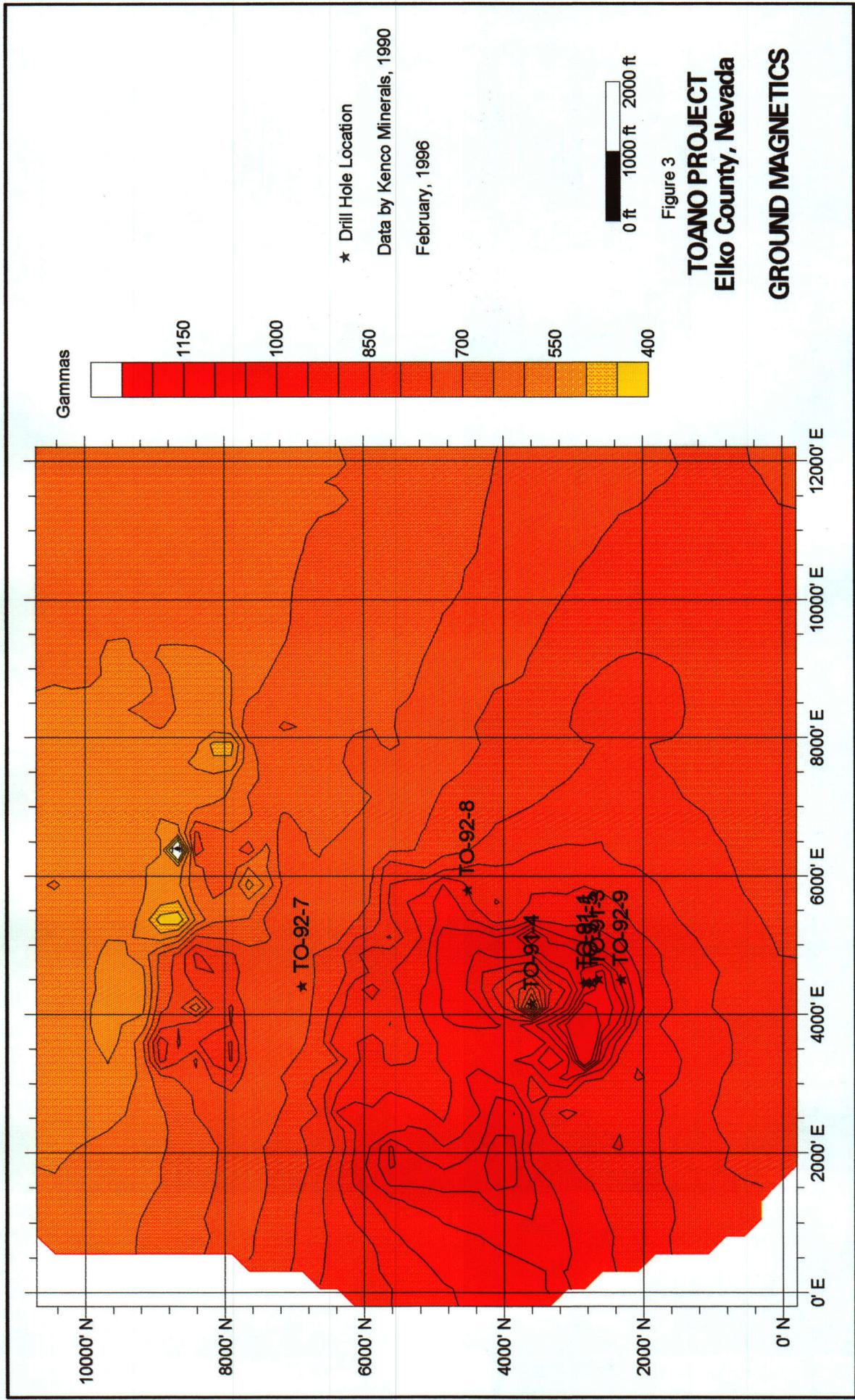
The western portion of the high, which has no surface outcrops of intrusive rocks, must represent a blind intrusive body. The area of quartz veining and marbleized limestone, which may be surface manifestations of a buried intrusive, in sections 8 and 9, T37N, R68E is located on the south flank of this high.

In 1990-91 a ground magnetic and VLF survey was conducted over the eastern part of the airborne magnetic high (Watkins, 1991). Several of the high magnetic anomalies were tested by drilling (Powell, 1993) as shown on Figure 3. There are several unique low magnetic anomalies that lie northeast of drill hole TO-92-7 that have not been evaluated.

GEOCHEMISTRY

Rock Samples

Since 1988, approximately 554 rock samples have been collected and analyzed from the Toano Range. The assays and descriptions are listed in Appendices A, B, and C and locations are plotted on Plates 2a, 2b, and 7. Most of the samples are select chips from prospect dumps or altered/mineralized outcrops.



Element Zoning

Watkins (1989) delineated a metal zoning pattern consisting of a central Cu-Zn zone surrounded by a Cu-Au-Ag zone and an outer Pb-Zn-Ag halo centered on the Castle Park pluton.. Gold mineralization, up to 0.10 opt, accompanied by high values of Cu, As, and Bi, occurs in skarn, Fe-gossan, and limonitic sediments adjacent to intrusives. This zoning pattern has been modified in this report and is shown on Plate 5 for the northern Toano Range and Plate 8 for the Silver Zone Pass area.

The delineation of a central copper zone and peripheral lead and zinc zones is still valid for the area centered on the Castle Park Mine-Copper Reef prospect (Plate 5). Gold occurs both inside and outside of the copper zone. The northwest side of the range has a copper zone present at the Golden Ray claims with a lead-zinc zone 1-2 miles north at the Betty Lou Mine.

Element zoning at Silver Zone Pass consists of a Pb-zone centered on the Great Western Mine, a W-zone near the Silver Zone Pass Mine, and a Ag+Sb-zone at the Keystone Mine. Gold is generally low (maximum of 135 ppm) in the Silver Zone Pass area.

CONCLUSIONS

Precious- and Base-Metal Potential

The similarities exhibited in the northeastern Toano Range to typical gold skarn deposits, along with the presence of weakly mineralized skarn in drill holes, indicates that some further exploration is warranted for gold/copper skarns. At this time, only a small portion of the property has been tested by drilling (Plate 4). Powell (1993) listed several low-priority drill targets for gold-copper skarn mineralization on the northeastern flank of the range. These recommendations are still valid.

The silicified breccias at the Diamond Peak-Guilmette contact in the northern part of the range were specifically sampled. This contact is often mineralized at nearby localities. However, none of the samples from this horizon are anomalous in gold. The complete lack of jasperoid bodies in the Toano Range are evidence that the area has limited potential for Carlin-type gold deposits.

Industrial Mineral Potential

Based on mapping and very restricted sampling, there is potential for industrial minerals in the northern Toano Range on land held by Lexam. The area has potential for high-calcium lime and silica. Only a cursory examination of the lime has been made and no attempt to evaluate the silica has been made.

Lime Resources. The Guilmette Limestone, the only source of high-calcium lime in the region, outcrops at several place in the northeastern Toano Range. In late 1994, two chip channel samples were taken from a large Guilmette outcrop in section 25, T38N, R68E. The samples (LS-1 and LS-2 in Appendix B) analyzed 97.6% and 96.0% CaCO₃.

Mapping in 1995 found that dolomitization has destroyed portions of the limestone in the unit and have made much of the outcrop area in section 25 and 36 unsuitable for production of lime. Other outcrops of the Guilmette and pediment areas underlain by Guilmette have not been evaluated (Plate 1).

Silica Resources. The silica prospect in section 36, T38N, R68E consists of clean, buff to white Eureka Quartzite. There has been limited production of silica for flux and decorative rock from a small open cut during the past thirty years. The exact quality or quantity of the silica has not been tested. Other areas of Eureka Quartzite are present in the range, but the prospect in section 36 is one of the most accessible exposures.

RECOMMENDATIONS

The following recommendations are made to further explore the mineral potential of Lexam's mineral holdings in the Toano Range.

1. Conduct detailed mapping ($1'' = 200'$) and sampling of the areas on the north east side of the range that are described by Powell as untested targets.
2. Conduct ground TEM (time-domain electromagnetics) over the magnetic low features east of the Castle Park Mine.
3. Because of the widespread dolomitization of the Guilmette, the claims on the limestone prospect should be dropped. The other outcrops of the Guilmette should be examined .
4. Map the silica prospect and determine its resource value.
5. No additional exploration effort is recommended for the Silver Zone Pass area.

REFERENCES

- Glick, L. L., 1987, Structural geology of the northern Toano Range, Elko County, Nevada: M.S. thesis, San Jose State University, 141 p.
- LaPointe, D. D., Tingley, J. V., and Jones, R. B., 1991, Mineral resources of Elko County, Nevada: Nevada Bureau Mines and Geol. Bull. 106, p. 152-154.
- Miller, D. M., Nakata, J. K., and Glick, L. L., 1990, K-Ar ages of Jurassic to Tertiary plutonic and metamorphic rocks, northwestern Utah and northeastern Nevada: U.S. Geological Survey Bulletin 1906, 18 p.
- Powell, J. L., 1993, 1992 Exploration program, Toano project, Elko County, Nevada: report for Challenger Gold, Inc., 27 p.
- Price, J. G., Castor, S. B., Miller, D. M., 1992, Highly radioactive topaz rhyolites of the Toano Range, northeastern Nevada: American Mineralogist, vol. 77, p. 1067-1073.
- Watkins, T. A., 1991, Toano project progress report: report. for Challenger Gold, Inc., Nov. 1991, 7p.
- Watkins, T. A., 1989, Toano project - 1989 final report: report. for Abermin, Inc., 37p.

APPENDIX A

1988-92 Rock Assays and Descriptions

TOANO PROJECT, ELKO COUNTY, NEVADA - 1988-92 ROCK ASSAYS

Sample Number	Au ppb	Au opt	Ag ppm	As ppm	Hg ppm	Tl ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	W ppm	Bi ppm	Cr ppm	Ni ppm	Co ppm	Ca ppm	Na ppm	F ppm	Se ppm	Te ppm	Assay Lab
31762	10	0.000	0.2	34	<2	0.02															BC
31763	5	0.000	0.5	19	<2	0.03															BC
31764	10	0.000	-0.2	12	<2	0.04															BC
31765	5	0.000	-0.2	9	<2	0.04															BC
31766	20	0.001	1.9	374	<2	0.15															BC
31767	20	0.001	20.0	135	<2	0.08															BC
31768	10	0.000	5.3	243	10	0.02															BC
31769	1500	0.044	1.2	>2000	11	0.30															BC
31770	15	0.000	-0.2	25	<2	0.01															BC
31771	15	0.000	0.7	6	<2	<10															BC
TM-88-115	7	0.000	2	<1	<1	0.04															CA
TM-88-116	192	0.006	32	30	2	0.12															CA
TM-88-117	14	0.000	3	48	2	0.07															CA
TM-88-118	-7	0.000	2	16	<1	0.04															CA
TM-89-057	-7	-0.000	0.06	4	<1	0.03															CA
TM-89-058	-7	-0.000	0.05	3	<1	0.01															CA
TM-89-059	7	0.000	0.05	3	<1	0.01															CA
TM-89-060	-7	-0.000	0.04	5	<1	0.02															CA
TM-89-061	-7	-0.000	0.02	1	<1	0.01															CA
TM-89-062	10	0.000	0.65	9	<1	0.02															CA
TM-89-063	-7	-0.000	0.03	6	<1	0.02															CA
TM-89-064	-7	-0.000	0.02	2	<1	0.02															CA
TM-89-065	7	0.000	0.03	1	<1	0.02															CA
TM-89-066	14	0.000	0.03	<1	<1	0.04															CA
TM-89-067	7	0.000	7.72	129	64	0.04															CA
TM-89-068	-7	-0.000	0.15	7	<1	0.02															CA
TM-89-069	7	0.000	0.05	5	<1	0.01															CA
TM-89-070	-7	-0.000	0.03	4	<1	<0.01															CA
TM-89-071	-7	-0.000	0.03	8	<1	0.02															CA
TM-89-072	10	0.000	0.18	15	<1	0.05															CA
TM-89-073	-7	-0.000	0.03	7	<1	0.01															CA
TM-89-118	14	0.000	0.05	9																	CA
TM-89-119	10	0.000	0.05	6																	CA
TM-89-120	-7	-0.000	0.04	11																	CA
TM-89-121	-7	-0.000	0.03	120																	CA
TM-89-122	-7	-0.000	0.03	34																	CA
TM-89-123	-7	-0.000	0.17	13																	CA
TM-89-124	17	0.000	16.60	144																	CA
TM-89-125	957	0.028	52.20	1,300																	CA
TM-89-126	27	0.001	4.46	133																	CA
TM-89-127	21	0.001	1.25	133																	CA
TM-89-128	141	0.004	7.04	760																	CA
TM-89-129	7	0.000	0.81	8																	CA
TM-89-130	754	0.022	38.40	755																	CA
TM-89-131	-7	-0.000	0.30	33																	CA
TM-89-132	10	0.000	0.18	6																	CA
TM-89-133	31	0.001	6.12	240																	CA
TM-89-134	7	0.000	0.32	19																	CA
TM-89-135	501	0.015	21.50	540																	CA
TM-89-136	-7	-0.000	0.25	12																	CA
TM-89-137	1080	0.031	1.07	4,200	20	0.24															CA
TM-89-138	408	0.012	0.64	390	22	0.09															CA
TM-89-139	-7	-0.000	0.15	62	2	0.08															CA
TM-89-140	7	0.000	0.13	85	5	0.18															CA
TM-89-141	3480	0.101	8.54	750	29	0.09	7.200	30	0.035	<10	40	5	340	67						CA	
TM-89-142	58	0.002	4.48	221	1	0.07	<2	2,100	196	30	62	6	160	32						CA	
TM-89-143	10	0.000	0.26	21																CA	
TM-89-144	34	0.001	330.00	1,700																CA	
TM-89-145	7	0.000	2.05	178																CA	
TM-89-146	-7	-0.000	7.81	41																CA	
TM-89-147	-7	-0.000	0.28	7																CA	
TM-89-148	254	0.007	33.60	14																CA	
TM-89-149	-7	-0.000	0.90	4																CA	
TM-89-150	-7	-0.000	1.34	4																CA	
TM-89-151	117	0.003	14.00	10																CA	
TM-89-152	14	0.000	3.64	3																CA	
TM-89-153	79	0.002	0.79	41	3	0.08	<0.2	9,400	20	270	<10	4	5	0.046	0.3	0.6				CA	

TOANO PROJECT, ELKO COUNTY, NEVADA - 1988-92 ROCK ASSAYS

Sample Number	Au ppb	Au opt	Au ppm	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	B ppm	Th ppm	La ppm	Mn ppm	P ppm	Sr ppm	Ti %	Al %	Ca %	Fe %	K %	Mg %	Na %	F %	Se ppm	Te ppm	Assay Lab		
TW-89-154	-7	-0.000	0.83	58	3	0.05	<0.2	3,500	30	178	<10	15	3																											
TW-89-155	7	0.000	0.75	63	4	0.11	0.2	11,000	30	587	<10	13	4																											
TW-89-156	7	0.000	0.48	25	1	0.01	<0.2	330	30	107	<10	8	<2																											
TW-89-157	7	0.000	0.50	60	3	0.01	0.2	794	30	109	<10	10	<2																											
TW-89-158	-7	-0.000	0.40	32	2	0.03	<0.2	679	20	95	<10	7	<2																											
TW-89-162	7	0.000	0.03	1						25	20	10																												
TW-89-163	21	0.001	0.03	<1						28	30	11																												
TW-89-164	10	0.000	0.04	5						12	20	4																												
TW-89-165	17	0.000	0.02	54						211	920	3,400																												
TW-89-166	14	0.000	7.69	810						7,400	240	2,800																												
TW-89-167	10	0.000	0.48	28						48	160	281																												
TW-89-168	-7	-0.000	0.48	50						39	260	40																												
TW-89-169	10	0.000	1.01	117						12	270	33																												
TW-89-170	7	0.000	0.11	8						13	200	53																												
TW-89-171	501	0.015	63.50	1,300						492	57,000	7,200																												
TW-89-172	79	0.002	13.80	178						53	15,000	20,000																												
TW-89-173	65	0.002	51.60	87						62	25,000	15,000																												
TW-89-174	-7	-0.000	0.95	13						11	590	570																												
TW-89-175	10	0.000	2.12	24						24	730	511																												
TW-89-176	14	0.000	0.15	3						13	140	254																												
TW-89-177	7	0.000	0.14	9						17	110	145																												
TW-89-178	34	0.001	1.42	260						25	1,400	467																												
TW-89-179	14	0.000	0.11	7						16	90	120																												
TW-89-180	14	0.000	0.10	94						28	240	258																												
TW-89-181	610	0.018	102	4,200						4,700	27,000	45,000																												
TW-89-182	27	0.001	28.20	82						342	5,100	14,000																												
TW-89-183	7	0.000	3.25	98						126	580	2,100																												
TW-89-184	-7	-0.000	0.55	22						13	140	254																												
TW-89-185	7	0.000	0.27	16						17	110	145																												
TW-89-186	14	0.000	0.16	31						7	50	66																												
TW-89-187	10	0.000	0.48	4						13	80	83																												
TW-89-188	10	0.000	10.17	1,000						7,200	3,100	4,200																												
TW-89-189	7	-0.000	0.29	116						1,300	250	519																												
TW-89-190	141	0.004	25.5	7,900						2,700	46,000	3,000																												
TW-89-191	7	0.000	3.31	280						35,000	700	921																												
TW-89-192	-7	-0.000	3.74	175						427	420	195																												
TW-89-207	511	0.015	21.00	4,400						167	4,500	557																												
TW-89-208	55	0.002	17.80	280						10	3,300	331																												
TW-89-209	7	0.000	0.41	65						8	90	39																												
TW-89-210	1450	0.042	83.50	4,300						3,800	60,000	827																												
TW-89-211	843	0.025	7.36	450						1,200	5,800	1,700																												
TW-89-212	41	0.001	1.23	112						72	730	44																												
TW-89-213	10	0.000	0.27	66						88	140	40																												
TW-89-214	-7	-0.000	14.80	300						218	570	78																												
TW-89-215	48	0.001	1.28	129						9,000	7,300	2,800																												
TW-89-216	21	0.001	3.94	18						298	560	284																												
TW-89-217	17	0.000	0.70	8						162	80	34																												
TW-89-218	7	0.000	0.18	3						20	110	85																												
TW-89-219	7	0.000	9.82	5						94	3,800	284																												
TW-89-220	-7	-0.000	0.81	9						308	1,400	895																												
TW-89-221	-7	-0.000																																						

TOANO PROJECT, ELKO COUNTY, NEVADA - 1988-92 ROCK ASSAYS

TOANO PROJECT, ELKO COUNTY, NEVADA - 1988-92 ROCK ASSAYS

TOANO PROJECT, ELKO COUNTY, NEVADA - 1988-92 ROCK ASSAYS

Sample Number	Au ppb	Au opt	Ag ppm	As ppm	Sb ppm	Hg ppm	Tl ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	V ppm	Ba ppm	B ppm	Th ppm	La ppm	Mn ppm	P %	Sr ppm	F %	Se ppm	Te ppm	Assay Lab
DR-89-T-085	-7	-0.000	0.75	3				141	30	34		<2											
DR-89-T-086	-7	-0.000	0.56	3				274	50	48		<2											
DR-89-T-087	-7	-0.000	0.62	4				303	30	60		<2											
DR-89-T-088	65	0.002	12.60	1,400				11,000	330	8,000		160											
DR-89-T-089	117	0.003	58.80	1,400				3,400	360	2,000		64											
DR-89-T-090	-7	-0.000	0.69	53				156	80	114		2											
DR-89-T-091	7	0.000	1.05	68				116	120	83		2											
DR-89-T-092	3600	0.105	161.00	37,000				1,300	80,000	900		11											
DR-89-T-093	182	0.005	79.40	6,500				13,100	20,000	119		30											
DR-89-T-094	285	0.008	20.80	127				13,000	330	203		58											
DR-89-T-095	93	0.003	1.67	35				76	100	18		<2											
DR-89-T-096	17	0.000	2.37	72				67	710	189		4											
DR-89-T-097	65	0.002	1.80	48				38	500	422		6											
DR-89-T-098	34	0.001	580.00	97				20,000	88,000	900		1,400											
DR-89-T-099	72	0.002	29.40	250				17,000	78,000	900		750											
DR-89-T-100	31	0.001	22.30	100				1,100	8,000	1,000		240											
DR-89-T-101	17	0.000	0.88	240				970	3,900	2,300		105											
DR-89-T-102	38	0.001	650.00	65				391	380	324		16											
DR-89-T-103	34	0.001	348.00	168				11,000	18,000	2,57		1,800											
DR-89-T-104	10	0.000	67.80	58				9,600	38,000	1,000		9,100											
DR-89-T-105	-7	-0.000	168.00	80				7,800	1,500	295		45											
DR-89-T-106	10	0.000	370.00	270				29,000	5,500	420		21,000											
DR-89-T-107	7	0.000	197.00	118				15,000	10,000	1,100		1,600											
DR-89-T-108	10	0.000	159.00	195				7,000	38,000	1,800		600											
DR-89-T-109	10	0.000	360.00	64				35,000	42,000	1,900		2,800											
DR-89-T-110	-7	-0.000	184.00	206				514	47,000	173													
DR-89-T-111	14	0.000	2.17	13				32	480	38		17											
DR-89-T-112	-7	-0.000	0.45	2				97	290	240		8											
DR-89-T-113	7	0.000	0.10	2				15	110	70		2											
DR-89-T-114	21	0.001	104.00	91				735	4,700	1,600		94											
DR-89-T-115	-7	-0.000	50.50	84				4,400	4,900	3,400		220											
DR-89-T-116	-7	-0.000	3.41	44				284	620	100		27											
DR-89-T-117	17	0.000	6.53	790				2,900	1,700	2,800		350											
DR-89-T-118	-7	-0.000	0.46	56				102	350	525		10											
DR-89-T-119	7	0.000	0.04	23				10	60	34		<2											
DR-89-T-120	-7	-0.000	0.14	7				17	40	25		<2											
DR-89-T-121	-7	-0.000	0.18	19				11	60	18		<2											
DR-89-T-122	-7	-0.000	0.16	11				9	40	16		3											
DR-89-T-123	7	0.000	0.08	20				58	20	12		<2											
DR-89-T-124	7	0.000	0.11	32				5	50	48		<2											
DR-89-T-125	-7	-0.000	0.86	73				78	40	46		<2											
DR-89-T-126	-7	-0.000	0.04	7				4	80	59		<2											
DR-89-T-127	17	0.000	0.04	69				15	510	4,000		3											
DR-89-T-128	10	0.000	0.04	14				28	70	82		<2											
DR-89-T-129	-7	-0.000	0.05	8				4	70	58		<2											
DR-89-T-130	-7	-0.000	0.20	5				8	70	88		3											
DR-89-T-131	-7	-0.000	0.16	4				36	50	54		<2											
DR-89-T-132	-7	-0.000	0.10	2				61	80	65		<2											
DR-89-T-133	17	0.000	3.32	17				11,400	40	251		7											
DR-89-T-134	7	0.000	0.05	2				19	60	15		<1											
DR-90-T-001	31	0.001	11.90	3				6,300	60	37		120											
T-1	212	0.006	0.90	3510				200	20000	3500		42											
T-2	1790	0.052	37.50	817				3500				58											
T-3	32	0.001	2.80	25								2											
Number	307	307	307	307				56	54	286		17	17	271	5	5	5	5	5	5	5	5	
Maximum	3600	0.105	650.00	37000				64	200	64000		118	40	21000	6	30	4	5	5	5	5	5	
Minimum	-7	-0.000	-0.20	0				0	0.00	0		4	0	1	0.12	-5	13	352	4	5	5		
Average	101	0.003	18.35	326				0.10	1	3102		4075	876	20	0.3	2	10	19	44	48	0.02	22	
Std	377	0.011	71.11	2244				10	29	1		8251	14037	3719	37	9	1567	0.1	1	113	0.020	28	
Assay Labs	CA	Chem Assay																					
	AC	Acme																					
	CO	Cone																					
	BC	Bondar-Clegg																					

Assay Labs CA Chem Assay
AC Acme
CO Cone
BC Bondar-Clegg

TOANO PROJECT, LINCOLN COUNTY, NEVADA - 1988-92 ROCK DESCRIPTIONS

Sample No.	Description
31762	Red-brown silicified breccia (jasperoid), probable fault breccia
31763	Red-brown silicified breccia with predominantly rounded silica fragments
31764	Altered limestone adjacent to silicified breccia
31765	Silicified breccia
31766	Red-brown, oxidized, silicified limestone, abundant hematite and limonite
31767	Limonite stained silica breccia
31768	Brown-white, limonite stained, highly fractured, quartzite (locally breccia), minor Cu along fracture
31769	Brown, hematite and limonite stained silicified limestone from dump, minor drusy silica
31770	White, tan medium-grained, biotite, quartz monzonite from dump, weak limonite on fractures
31771	Dark grey limestone, cut by calcite veins, with possible trace pyrite disseminated in limestone
TW-89-057	Light grey-tan, possibly bleached, locally silicified, limestone with minor light red hematite stain
TW-89-058	Grey-brown, limonite stained, silicified, breccia limonite stain
TW-89-059	Light grey limestone with minor CaCO ₃ veinlets
TW-89-060	Brown, thinly-laminated, limonite-stained shale or silt
TW-89-061	Dark grey, limestone with moderate CaCO ₃ veinlets and minor orange limonite on fractures
TW-89-062	White, very fine-grained quartzite, may be highly silicified
TW-89-063	Grey, fine-grained limestone with CaCO ₃ veinlets and pale red hematite stains, locally brecciated
TW-89-064	Grey, fine-grained limestone with CaCO ₃ veinlets and pale red hematite stains, locally brecciated, minor orange limonite in vugs
TW-89-065	Stalactite of CaCO ₃ veinlets in dark grey limestone
TW-89-066	Brown, vuggy leached limestone with weak hematite and CaCO ₃ veining
TW-89-067	Limonite, hematite rich silicified limestone, float
TW-89-068	Grey-tan, mottled, limestone, thin-bedded
TW-89-069	Tan-grey, brecciated silicified limestone or cacareous sandstone, moderately porous, may be leached
TW-89-070	Tan, limonite-hematite stained, dirty limestone, may be weakly silicified
TW-89-071	Same location as TW-89-070, dark grey limestone with hematite on fractures, minor CaCO ₃ veinlets
TW-89-072	Soil sample from JSM color anomaly in dark shale unit
TW-89-073	Black, shaly unit (float) dug out of soil in JSM color anomaly, weak hematite and limonite stain along laminations
TW-89-118	Grey, brecciated limestone with abundant opaline silica veinlets
TW-89-119	Grey, silicified limestone with minor hematite
TW-89-120	Silicified limestone with minor hematite, brecciated
TW-89-121	White, brown, limonite-stained, altered felsic dike (chips) in low saddle, probable dike in sediments
TW-89-122	Purple-grey, silicified limestone adjacent to altered dike, locally brecciated
TW-89-123	Grey, brecciated limestone with abundant opaline silica veinlets, outcrop
TW-89-124	Brown, highly fractured, limonite from top of dump
TW-89-125	Brown, gossan material from small stockpile on top of dump next to old truck
TW-89-126	Red-white, aphanitic, slightly hematitic, felsic intrusive, hematite staining adjacent to fractures
TW-89-127	Brown-white, porphyritic-aphanitic, felsic intrusive, abundant limonite on and adjacent to fractures
TW-89-128	Red-black, hematitic-MnOx gossan from dump, part MnOx-rich Jasperoid
TW-89-129	Grey, weakly-moderately silicified limestone adjacent to shaft, highly fractured, weak limonite stain, sample of outcrop at entrance to adit
TW-89-130	Red-grey, intensely silicified, quantitized with abundant hematite and limonite, abundant blue-grey opaline silica and drusy quartz
TW-89-131	Tan, limonite-stained, argillitic alteration, silicified, aphanitic felsic dike?, exposed in pit above shaft
TW-89-132	Grey, highly fractured dolomite from dump, weak CaCO ₃ veins with minor limonite
TW-89-133	Red-brown, highly silicified, fractured, fault zone in limestone with abundant hematite and limonite
TW-89-134	Grey, silicified, highly fractured quartzite with moderate limonite on fractures
TW-89-135	Red-black-brown, highly fractured, hematite-limonite-MnOx stained quartzite with opaline silica on fractures
TW-89-136	Brown-grey, silicified, moderately fractured quartz with weak-moderate limonite on fractures
TW-89-137	Red-brown, gossan/jasperoid with moderate-abundant drusy silica and blue-white opaline silica lining vugs, abundant hematite and limonite, some visible Cu, duplicate of 31769
TW-89-138	Tan, coarse-grained, recrystallized limestone with stringers and pods of brown jasperoid? and blue-white opaline silica, abundant visible Cu
TW-89-139	Tan-white, moderately fractured and limonite stained, recrystallized limestone, locally brecciated and silicified
TW-89-140	Composite dump fines and chips from marble/limestone portion of dump
TW-89-141	Black-brown gossan/jasperoid with opaline silica on fractures and vugs, minor visible Cu
TW-89-142	Tan, recrystallized, highly fractured limestone with visible Cu and Mn
TW-89-143	Felsic intrusive
TW-89-144	Grey-brown, hematite and limonite stained gossan with fragments of light grey limestone
TW-89-145	White-brown, fractured, limonite-stained, felsic intrusive, possible porphyritic quartz monzonite, may be slightly coarser-grained than at TW-89-143
TW-89-146	White-grey, sugary, mottled limestone, may be partly silicified
TW-89-147	Dark grey, fine-grained, locally powdery limestone, with long laths of undifferentiated metamorphic mineral and possible tremolite
TW-89-148	Tan-grey, limonite stained, recrystallized limestone with abundant visible Cu from pit immediately adjacent to felsic intrusive

TOANO PROJECT, ECHO COUNTY, NEVADA - 1988-92 ROCK DESCRIPTIONS

Sample No.	Description
TW-89-149	White, recrystallized limestone (marble) with minor limonite and MnOx
TW-89-150	Brown-white, fractured felsic intrusive with moderate-abundant limonite on fractures, locally silicified with disseminated pyrite
TW-89-151	White-brown, highly fractured felsic intrusive with abundant visible Cu, abundant disseminated limonite and limonite on fractures
TW-89-152	Brown-tan, fractured, limonite-stained, equigranular, medium-grained, non-calcareous rock with minor Cu
TW-89-153	Brown, highly fractured, recrystallized limestone with stringers of red brown jasperoid?; visible Cu and blue-white opaline silica in vugs of jasperoid, outcrop in pit
TW-89-154	Red-brown, gossan/jasperoid with moderate-abundant blue-white opaline silica
TW-89-155	Black-brown, highly brecciated, gossan/jasperoid with abundant MnOx and limonite
TW-89-156	Brown, limonite-stained, brecciated, recrystallized limestone with numerous CaCO3 veinlets, locally vuggy with abundant hematite and limonite
TW-89-157	Brown, limonite and hematite-stained, recrystallized limestone with abundant MnOx, local opaline silica on fractures and in jasperoid portions of sample
TW-89-158	Brown, limonitic chips and dump fines from very Fe-stained portion of dump
TW-89-162	Grey, fine-grained, calcareous quartzite with well-rounded grains, limonite-stain
TW-89-163	Grey, fine-grained, calcareous quartzite with well-rounded grains, limonite-stain
TW-89-164	Brown-grey, silicified, moderately fractured, Fe-stained quartzite
TW-89-165	Grey-vuggy, leached Fe-stained, limestone with minor disseminated pyrite and CaCO3, veinlets, float on slope above quartzite/limestone contact
TW-89-166	Brown, gossan/jasperoid float with visible Cu, note float of felsic intrusive nearby
TW-89-167	Grey, moderately fractured, limestone with abundant CaCO3 veinlets, minor disseminated pyrite with weak limonite and hematite on fractures, from re-claimed trench
TW-89-168	Brown-grey, fractured, locally brecciated, limestone with moderate limonite on fractures and lining vugs
TW-89-169	Select rock chip from dump for abundant limonite
TW-89-170	Grey, limestone with minor-moderate limonite, composite rock chip and dump fines
TW-89-171	Black-brown, gossan/jasperoid from dump, moderate-abundant white-blue opaline silica
TW-89-172	Moderate Fe-stained limestone from dump
TW-89-173	Composite dump fines and rock chips
TW-89-174	Brown-grey, silicified, moderately fractured, quartzite with moderate hematite and limonite, locally vuggy, possible NE fault zone
TW-89-175	Brown-grey, silicified, moderately fractured, quartzite with moderate hematite and limonite, locally vuggy, possible NE fault zone
TW-89-176	Grey, fractured, weakly silicified, limestone with abundant CaCO3 veinlets and minor limonite
TW-89-177	Brown-grey, Fe-stained, medium-grained, granodiorite with moderate limonite on fractures
TW-89-178	Brown, jasperoid/gossan with local massive pyrite
TW-89-179	Grey limestone?, composite dump fines and chips
TW-89-180	Tan (intrusive) composite of dump fines and chips
TW-89-181	Brown, gossan/jasperoid with moderate visible Cu
TW-89-182	Brown-grey, brecciated, coarsely recrystallized limestone with moderate limonite
TW-89-183	Dark grey, crystalline limestone/dolomite cut by numerous CaCO3 veinlets, may contain barite
TW-89-184	Brown, limonite-stained, argillite altered, intrusive with abundant limonite on fractures
TW-89-185	Black-dark grey, partly silicified limestone with minor limonite and hematite on fractures with black jasperoid bands up to 1" thick
TW-89-186	Tan-white, Fe-stained, argillite altered, silicified felsic intrusive
TW-89-187	Dark grey, weakly silicified limestone with numerous CaCO3 veinlets and minor limonite
TW-89-188	Dark brown, jasperoid/gossan from pit
TW-89-189	Tan-grey, weakly silicified limestone with numerous CaCO3 veinlets and minor limonite
TW-89-190	Dark brown jasperoid/gossan from dump
TW-89-191	Green select sample with abundant Cu
TW-89-192	Tan-white, fractured rhyolite dike with moderate limonite on fractures
TW-89-207	Dark red-brown, jasperoid/gossan with white-blue opaline silica lining vugs, dump
TW-89-208	Composite dump sample, limestone with weak Fe on fractures
TW-89-209	Brown-grey, Fe-stained, granodiorite dike with abundant Fe on fractures
TW-89-210	Brown, brecciated jasperoid
TW-89-211	Grey-red, brecciated, silicified limestone fragments in jasperoid matrix
TW-89-212	Red-orange-white, recrystallized limestone breccia or white fragments in moderately silicified, Fe-stained matrix
TW-89-213	White-tan, Fe-stained aphantic ryholite with abundant limonite on fractures
TW-89-214	Red-brown, jasperoid/gossan with opaline SiO2
TW-89-215	Grey-tan, highly fractured, Fe-stained limestone along fault with visible Cu, silicified with some jasperoid/gossan
TW-89-216	Brown-grey composite of dump fines and chips, moderate limonite on fractures
TW-89-217	White-tan, Fe-stained, felsic dike
TW-89-218	Dark grey, disaggregated, tremolite-rich, limestone with minor limonite
TW-89-219	Dark grey, coarse-grained, tremolite-rich limestone with Fe along layers of quartzite
TW-89-220	Tan-white, sericitic limestone with moderate limonite
TW-89-221	Grey, disaggregated tremolite limestone with minor Fe
TW-89-222	Abundant sericite in limestone close to contact with rhyolite

TOANO PROJECT, EERO COUNTY, NEVADA - 1988-92 ROCK DESCRIPTIONS

Sample No.	Description
TW-89-223	Grey limestone with abundant CaCO3 veinlets and weak Fe-stain along fractures, partly bioclastic
TW-89-224	Tan-grey, silty limestone with moderate limonite disseminated and on fractures, possible sercite
TW-89-225	Tan Fe-stained granodiorite with minor MnOx
TW-89-226	Brown-grey, brecciated, silicified limestone
TW-89-227	Grey, partly decomposed limestone adjacent to felsic dike, contains possible sercite
TW-89-228	Grey, tremolite-rich limestone
TW-89-229	Grey, fine-grained, vuggy limestone with minor Fe along bedding planes, partly decomposed
TW-89-230	Brown-tan, medium-grained quartz monzonite, with abundant limonite along fractures
TW-89-231	Yellow-brown, jasperoid/gossan from dump
TW-89-232	Red-grey, silicified limestone from portal outcrop
TW-89-233	Yellow-brown, jasperoid/gossan from dump
TW-89-234	Yellow-brown, jasperoid/gossan, outcrop at prospect pit
TW-89-235	Black-brown, jasperoid/gossan, outcrop and float west of pits
TW-89-236	Tan-white, Fe-stained, felsic intrusive, rock chips and fines from dump
TW-89-237	Brown-tan, bleached Fe-stained, silicified limestone with visible Cu and minor jasperoid/gossan, select rock chip from dump
TW-89-238	Dark grey, fine-grained limestone with very weak Fe-stain on fractures, dump
TW-89-239	Dark grey, limonite-stained, recrystallized limestone, locally bleached while adjacent to limonitic fractures
TW-89-240	Dark grey-black, very fine-grained, limestone with extremely fine-grained disseminated pyrite, may be syngenetic, possibly carbonaceous
TW-89-241	Grey-green, porphyritic-aphanitic, felsic intrusive (quartz eyes), may be altered
TW-89-242	Dark grey, fractured, limestone with minor limonite on fractures
TW-89-243	Tan-white, medium-grained, recrystallized limestone, marble
TW-89-244	Green-grey, fine-grained, skarned diorite, intrusive is equigranular except for skarn minerals, minor limonite
TW-89-245	White-green, skarned limestone, with moderate limonite
TW-89-246	Tan-vuggy, partly leached, Fe-stained limestone with minor disseminated MnOx
TW-89-247	Light grey, brecciated limestone with predominant CaCO3 matrix, locally silicified with minor limonite
TW-89-248	Dark grey-black, limestone with CaCO3 veinlets, locally vuggy with minor limonite, black and powdery limestone when broken with hammer
TW-89-249	Light grey-dark grey, silicified, mottled limestone with very fine-grained disseminated pyrite and minor limonite
TW-89-250	Grey, recrystallized, weakly silicified limestone with minor limonite on fractures
TW-89-251	Tan-white, recrystallized limestone with weak limonite stain, marble
TW-89-252	White-grey, brecciated, intensely silicified limestone with abundant opaline SiO2
TW-89-253	Grey, moderately fractured, strongly silicified, limestone with minor limonite on fractures
TW-89-254	Grey, fine-grained, weakly silicified limestone or dolomite with weak-moderate limonite on fractured
TW-89-255	Grey, highly fractured limestone with abundant CaCO3 veinlets and moderate limonite on fractures
TW-89-256	Black, brecciated limestone with moderate limonite on fractures
TW-89-257	Grey-green, medium-grained, porphyritic diorite with weakly argillic altered feldspar phenocrysts
TW-89-258	Red-white, 3-4" banded, vuggy, calcite vein in limestone, sampled from limestone boulders cut by vein, minor limonite and hematite
TW-89-259	Dark grey, bioclastic, fractured limestone with minor limonite on fractures
TW-89-260	Dark grey, fine-grained limestone cut by white-light grey vuggy CaCO3 veins (banded), with minor limonite
TW-89-261	White-light grey, brecciated limestone with CaCO3 matrix and some banded CaCO3 veinlets, minor hematite and limonite
TW-89-262	Tan-light green, fine-grained, skarn with weak zones of SiO2
TW-89-263	Brown-dark green, coarse-grained sheared skarn with abundant limonite
TW-89-264	Brown-dark green, Fe-stained diorite intrusive from dump, also skarn
TW-90-357	Green-brown, calc-silicate? from dump, visible Cu in some chips, moderate FeOx, rock chips and fines from dump, may be representative of upper portion of shaft that has moderate-abundant Cu + FeOx
TW-90-358	Same as TW-90-357
TW-90-359	Paler red-brown, calc-silicate skarn, garnet altered to pyroxene; pyroxene locally altered to epidote
TW-91-046	Red-brown jasperoid/skarn veinlets cutting green-grey limestone, fragments partly silicified, locally de-calcified, limestone also cut by numerous CaCO3 veinlets, minor quartz veinlets, weak FeOx on fractures, 3140N-3710E
TW-91-047	Outcrop in prospect pit, white, very fine grained calc-silicate in DS, possible tremolite with silica, minor disseminated sulfides, black portions possible remnants of limestone, disseminated sulfide in black limestone, weak FeOx on fract
TW-91-048	Outcrop, light grey, locally sandy and friable recrystallized limestone, local SiO2, weak-moderate FeOx
TW-91-049	Rock chip from pit, white-pink-brown, Fe-stained recrystallized limestone?, locally sandy, locally silicified, some possible pyroxene, moderate limonite and MnOx, minor visible Cu
TW-91-050	Selected dump rock chip/skarn, with moderate MnOx, abundant limonite, moderate-strong quartz veining and breccia
TW-91-051	Dump rock chip, light brown, Fe-stained, recrystallized sandy limestone, moderate FeOx
TW-91-052	Outcrop, light grey, locally sandy and friable recrystallized, limestone, with moderate CaCO3 veinlets, sometimes vuggy, may be leached, weak FeOx on fractures
TW-91-053	Outcrop, white-light tan, brecciated 6° fault in recrystallized limestone, local SiO2, weak-moderate FeOx
TW-91-054	Rock chip from dump, grey-green, fine-grained, pyroxene skarn with moderate to abundant disseminated sulfides - possible pyrite, arsenopyrite, chalcopyrite, sphalerite?
TW-91-055	Rock chip from dump, same as TW-91-054, but somewhat more oxidized on fractures
TW-91-056	Rock chip from dump, composite rock chip of skarn
TW-91-057	Outcrop, light grey-white aphanitic felsic intrusive in contact with skarn, few quartz eyes, weak disseminated sulfide and rare quartz veinlets in intrusive
TW-91-058	Outcrop and float, light grey, medium-grained, equigranular, homblende granodiorite with minor biotite, some biotite along fractures could be secondary, weak alteration of hornblende to chlorite, dike cutting recrystallized limestone

TOANO PROJECT, EER COUNTY, NEVADA - 1988-92 ROCK DESCRIPTIONS

Sample No.	Description
TW-91-059	Float, light grey-green, fine-grained, calc-silicate skarn with moderate FeOx on fractures
TW-91-060	Outcrop in pit and dump, visible secondary Cu with garnet-pyroxene skarn along narrow fracture/fault (6-8") in limestone
TW-91-061	White-tan, highly fractured and altered limonite, possible minor calc-silicate skarn in recrystallized limestone, minor Fe) x + disseminated MnOx?
TW-92-069	Tan-grey, brecciated opaline silica with weak-moderate FeOx, dusky SiO2 lining vugs, float, at LM TN 253
TW-92-070	Grey, moderate silicified limestone with weak-moderate FeOx on fractures, float
TW-92-071	Grey, moderate silicified limestone with moderate-strong FeOx on fractures, float, same location as TW-92-070
TW-92-072	Grey-tan, brecciated, moderately silicified limestone with moderate FeOx on fractures, outcrop, at side center TN 253
TW-92-073	Brecciated jasperoid with moderate FeOx (intensely silicified limestone, replaced crinoids), same location as TW-92-069

APPENDIX B

1994 Limestone Analyses

LEXAM EXPLORATIONS (U.S.A) INC. - TOANO LIME PROSPECT, ELKO COUNTY, NEVADA

Sample Number	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	NaO %	P2O5 %	SiO2 %	TiO2 %	LOI %	Total %																			
LS-1	0.19	54.66	0.00	0.15	0.04	0.31	0.00	0.12	0.01	0.54	0.00	43.14	99.16																			
LS-2	0.15	53.78	0.00	0.14	0.04	0.67	0.00	0.10	0.00	0.59	0.00	43.29	98.76																			
Sample Number	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 ppm	Al %	Ca %	Fe %	K %	Mg %	Na %
LS-1	-0.2	-2	2	-1	-10	2	-2	8	-1	10	-2	-0.5	-1	14	-1	-10	7	130	-0.5	-10	-10	25	-10	-1	116	-0.01	0.01	15.00	0.04	-0.01	0.12	-0.01
LS-2	-0.2	-2	2	-1	-10	2	-2	-2	-1	10	-2	-0.5	-1	11	-1	-10	6	270	-0.5	-10	-10	15	-10	-1	140	-0.01	0.01	15.00	0.04	-0.01	0.34	0.01

Samples analyzed by Chemex Labs Ltd., Certificates A9431230, A9431231
ICP-AES Analysis

APPENDIX C

1995 Rock Assays and Descriptions

TOANO RECON - 1995 ROCK ASSAYS

Sample Number	Au ppb	Ag ppm	As ppm	Au opt ppm	Hg ppm	Tl ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	W ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	U ppm	V ppm	Ba ppm	Be ppm	Ga ppm	Mn ppm	La ppm	Sc ppm	P ppm	Al %	Ca %	Fe %	K %	Mg %	Na %							
K5-001	-5	-0.000	0.2	218	12	2	-10	5	3190	2	10	53	18	30	1	41	-10	149	230	-0.5	-10	195	100	-1	283	-0.01	0.08	3.79	15.00	0.01	0.24	-0.01					
K5-002	-5	-0.000	0.2	670	30	2	-1	-10	53	18	30	1	-10	8	15	2	-0.5	2	60	150	-0.5	-10	390	770	8	56	-0.01	0.60	12.35	10.00	0.03	0.23	-0.01				
K5-003	-5	-0.000	0.4	12	2	-1	-10	8	18	30	1	-10	2	10	2	-0.5	2	6	10	-0.5	-10	110	280	-1	52	-0.01	0.16	15.00	0.55	0.12	0.93	0.03					
K5-004	-5	-0.000	0.4	2	2	-1	-10	3	16	30	2	-10	2	10	2	-0.5	1	15	3	2	-0.5	10	60	190	-1	34	-0.01	0.10	15.00	0.43	0.06	0.93	0.03				
K5-005	-5	-0.000	0.2	30	2	-1	-10	7	6	8	1	-10	2	10	2	-0.5	1	84	7	-10	22	80	-0.5	-10	125	150	-1	46	-0.01	0.15	8.71	1.94	0.12	4.08	-0.01		
K5-006	-5	-0.000	0.4	322	34	-1	-10	56	214	34	27	-10	2	10	2	-0.5	5	49	78	-10	198	140	-0.5	-10	105	460	-1	46	-0.01	0.09	7.49	12.95	0.02	3.43	-0.01		
K5-007	-5	0.001	0.6	230	236	-1	-10	73	1225	310	59	-10	2	10	2	-0.5	6	69	51	-10	461	180	-0.5	-10	65	220	-1	18	-0.01	0.03	0.39	15.00	-0.01	0.36	-0.01		
K5-008	-5	-0.000	0.4	188	12	-1	-10	32	146	30	12	-10	2	10	2	-0.5	7	213	73	-10	106	60	-0.5	-10	60	5600	-1	21	-0.01	0.21	1.98	7.65	0.06	0.38	-0.01		
K5-009	-5	-0.000	0.6	286	8	-1	-10	44	566	486	8	-10	2	10	2	-0.5	3	13	42	-10	130	30	-0.5	-10	73	320	-1	73	-0.01	0.16	14.50	15.00	0.03	0.26	-0.01		
L5-063	-5	-0.000	-0.2	20	-2	-1	-10	5	4	804	1	-10	2	10	2	-0.5	1	186	36	-10	43	170	-0.5	-10	10	930	-1	41	-0.01	0.10	3.74	1.31	0.04	1.46	-0.01		
L5-064	-5	-0.000	-0.2	66	2	-2	-10	4	4	6	7	-10	2	10	2	-0.5	1	212	68	-10	430	180	-0.5	-10	10	930	-1	41	-0.01	0.12	1.18	4.60	0.07	0.03	-0.01		
L5-065	-5	-0.000	-0.2	8	2	-2	-10	4	6	7	10	-10	2	10	2	-0.5	1	360	28	-10	33	430	-0.5	-10	10	340	-1	28	-0.01	0.12	0.70	1.11	0.19	0.02	-0.01		
L5-066	-5	-0.000	-0.2	12	2	-2	-10	4	6	50	6	-10	2	10	2	-0.5	1	379	47	-10	17	1150	-0.5	-10	10	60	-1	33	-0.01	0.09	0.23	0.90	0.04	0.01	-0.01		
L5-067	-5	-0.000	-0.2	26	2	-2	-10	5	10	82	2	-10	2	10	2	-0.5	1	287	30	-10	62	1700	-0.5	-10	10	40	-1	430	-0.01	0.12	4.21	5.55	0.14	0.03	-0.01		
L5-068	-5	-0.000	-0.2	32	4	-1	-10	11	2	486	1	-10	2	10	2	-0.5	3	220	97	-10	73	340	-0.5	-10	10	435	-1	64	-0.01	0.15	3.43	1.58	0.07	0.15	-0.01		
L5-069	-5	-0.000	-0.2	16	2	-1	-10	10	4	26	3	-10	2	10	2	-0.5	1	296	47	-10	50	490	-0.5	-10	10	50	-1	38	-0.01	0.15	0.43	1.19	0.07	0.05	-0.01		
L5-070	-5	-0.000	-0.2	12	-2	-1	-10	4	-2	136	1	-10	2	10	2	-0.5	1	249	31	-10	23	160	-0.5	-10	10	105	-1	37	-0.01	0.05	1.80	0.73	0.01	0.93	-0.01		
L5-071	-5	-0.000	-0.2	6	-2	-1	-10	4	-2	24	1	-10	2	10	2	-0.5	1	278	60	-10	7	430	-0.5	-10	10	200	-1	34	-0.01	0.08	1.54	4.60	0.03	0.06	-0.01		
L5-072	-5	-0.000	-0.2	558	-2	-2	-10	26	20	10	2	-10	4	-10	2	-0.5	1	171	54	-10	96	1610	-0.5	-10	10	4510	-1	63	-0.01	0.18	2.44	7.09	0.07	0.13	-0.01		
L5-073	-5	-0.000	-0.2	34	2	-2	-10	66	8	10	2	-10	5	-10	2	-0.5	4	42	58	-10	92	700	-0.5	-10	10	85	-1	1230	4	19	-0.01	0.92	0.32	4.21	0.14	0.01	-0.01
L5-074	-5	-0.000	-0.2	48	-2	-2	-10	11	4	466	8	-10	2	10	2	-0.5	1	217	55	-10	45	1940	-0.5	-10	10	265	-1	56	-0.01	0.20	0.70	2.42	0.08	0.07	-0.01		
L5-075	-5	-0.000	-0.2	2	-2	-1	-10	35	6	48	-1	-10	2	10	2	-0.5	10	92	47	-10	65	270	-0.5	-10	10	340	-1	580	4	55	-0.01	0.14	1.78	1.23	0.19	1.70	0.13
L5-076	-5	-0.000	-0.2	10	-2	-1	-10	8	4	10	3	-10	2	10	2	-0.5	1	231	34	-10	33	1080	-0.5	-10	10	155	-1	450	-1	59	-0.01	0.09	0.97	0.09	0.05	0.01	-0.01
L5-077	-5	-0.000	-0.2	2	-2	-1	-10	6	2	8	2	-10	2	10	2	-0.5	1	288	35	-10	25	580	-0.5	-10	10	80	-1	265	2	56	-0.01	0.13	1.33	1.41	0.06	0.04	-0.01
L5-078	-5	-0.000	-0.2	120	12	-1	-10	22	2	106	-1	-10	2	10	2	-0.5	3	112	35	-10	51	2550	-0.5	-10	10	365	-1	1140	2	51	-0.01	0.23	4.38	1.18	0.09	0.11	-0.01
L5-079	-5	-0.000	-0.2	88	8	-1	-10	4	-2	42	-1	-10	4	-10	4	-0.5	1	216	54	-10	20	2320	-0.5	-10	10	50	-1	210	-1	50	-0.01	0.06	0.43	0.61	0.02	0.01	-0.01
L5-080	-5	-0.000	-0.2	88	20	-1	-10	7	8	42	-1	-10	7	-10	7	-0.5	1	217	137	-10	8	180	-0.5	-10	10	260	-1	300	-1	66	-0.01	0.04	7.23	0.39	0.01	3.34	0.1
L5-081	-5	-0.000	-0.2	22	4	-1	-10	3	2	24	2	-10	3	-10	3	-0.5	1	337	41	-10	7	520	-0.5	-10	10	55	-1	110	-1	66	-0.01	0.08	0.99	0.62	0.03	0.03	-0.01
L5-082	-5	-0.000	-0.2	8	2	-2	-10	3	2	24	1	-10	3	-10	3	-0.5	1	285	38	-10	10	330	-0.5	-10	10	10	-1	1850	-1	13	-0.01	0.21	0.65	0.08	0.11	0.01	-0.01
L5-083	-5	-0.000	-0.2	14	2	-2	-10	4	2	20	2	-10	5	-10	5	-0.5	1	105	4	-10	10	330	-0.5	-10	10	110	-1	19	-0.01	0.06	0.57	0.16	0.07	0.34	-0.01		
L5-084	-5	-0.000	-0.2	14	-2	-2	-10	52	1	10	2	-10	5	-10	5	-0.5	1	13	3	-10	9	20	-0.5	-10	10	140	-1	210	-1	47	-0.01	0.07	0.29	0.07	0.37	0.01	-0.01
L5-085	-5	-0.000	-0.2	4	-2	-2	-10	13	4	54	1	-10	2	10	2	-0.5	1	212	42	-10	14	150	-0.5	-10	10	85	-1	520	1	100	-0.01	0.12	1.25	1.13	0.09	0.04	-0.01
L5-086	-5	-0.000	-0.2	10	-2	-2	-10	4	2	24	2	-10	2	10	2	-0.5	1	308	47	-10	4	140	-0.5	-10	10	65	-1	1080	-1	59	-0.01	0.06	1.78	0.48	0.02	0.01	-0.01
L5-087	-5	-0.000	-0.2	86	40	-2	-10	4	6	20	-10	2	10	2	-0.5	1	226	249	-10	20	2770	-0.5	-10	10	90	-1	250	-1	51	-0.01	0.08	0.29	0.22	0.02	0.01	-0.01	
L5-088	-5	-0.000	-0.2	40	-2	8	-10	4	8	7	-10	2	10	2	-0.5	1	144	-1	-10	137	17	-10	8	180	-10	260	-1	66	-0.01	0.01	0.31	1.89	0.01	0.06	-0.01		
L5-089	-5	-0.000	-0.2	8	-2	-1	-10	3	4	144	-1	-10	3	-10	3	-0.5	1	144	-1	-10	8	180	-10	260	-1	66	-0.01	0.04	7.23	0.39	0.01	3.34	0.1				
L5-090	-5	-0.000	-0.2	8	-2	-1	-10	6	14	29	-10	3	-10	3	-0.5	1	365	55	-10	10	428	-0.5	-10	10	173	-1	750	-1	491	-0.01	0.26	0.13	4.04	0.61	0.03	0.03	
L5-091	10	0.000	1.4	298	4																																

TOANO RECON - 1986 ROCK ASSAYS

Sample Number	Au ppb	Au opt ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Tl ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	W ppm	Bi ppm	Cr ppm	Co ppm	V ppm	U ppm	Ni ppm	Ba ppm	Be ppm	Ga ppm	Mn ppm	La ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	K %	Mg %	Na %								
L5-116	-5	0.000	200.0	60	1395	4	-10	2310	9280	6610	16	-10	4	14.0	-1	200	3	14	-10	68	20	-0.5	-10	115	250	1	83	-0.01	3.43	0.23	-0.01	1.86	-0.01						
L5-117	-5	0.000	3.2	198	16	-1	-10	45	1282	510	54	-1	-10	4	12.5	2	3	-10	112	10	-0.5	-10	104	128	1	83	-0.01	15.00	1.15	0.01	1.93	-0.01							
L5-118	-5	0.000	-0.2	8	2	-1	-10	15	20	48	2	-1	-10	6	-0.5	13	31	23	-10	8	420	-0.5	-10	3860	3510	2	178	-0.01	15.00	3.34	0.16	3.30	0.01						
L5-119	-5	0.000	-0.2	6	2	-1	-10	15	428	358	2	-1	-10	2	-0.5	10	20	24	-10	8	-10	-0.5	-10	64	132	4	9	-0.01	15.00	3.49	0.20	3.39	0.01						
L5-120	-5	0.000	200.0	264	1470	-1	-10	4180	1220	534	-1	-10	6	12.0	1	129	20	-10	20	36	-0.5	-10	10	40	40	-1	58	-0.01	0.91	4.66	-0.01	2.47	-0.01						
L5-121	-5	0.000	139.0	416	1560	-1	-10	3740	4270	986	1	-10	4	22.5	-1	125	13	-10	15	10	0.5	-10	10	70	70	-1	97	-0.01	0.03	5.79	0.41	0.02	2.18	-0.01					
L5-122	25	0.001	157.5	460	2510	4	-10	7620	2850	468	-1	-10	10	46.0	-1	118	6	-10	112	10	-0.5	-10	10	150	170	-1	191	-0.01	0.02	14.15	0.15	0.01	2.93	-0.01					
L5-123	25	0.000	200.0	60	346	-1	-10	1282	510	54	-1	-10	5.0	-2	5.0	1	194	21	-10	18	-10	-0.5	-10	10	10	30	-1	58	-0.01	0.01	1.82	0.01	0.01	4.08	-0.01				
L5-124	-5	0.000	93.0	90	532	2	-10	784	1100	426	1	-10	15	20	-1	105.5	-1	105.5	1	19	-10	-0.5	-10	10	60	77	-1	77	-0.01	0.01	6.62	0.22	0.02	4.08	-0.01				
L5-125	25	0.001	177.5	854	5010	65	-10	10000	2280	1520	1	-10	18	77.0	3	36	8	-10	9	10	-0.5	-10	145	170	-1	58	-0.01	0.01	2.18	0.24	0.01	4.89	-0.01						
L5-126	25	0.001	15.6	30	2	-1	-10	98	10000	184	12	-10	2	33.0	1	412	36	-10	41	380	-0.5	-10	10	75	100	-1	32	-0.01	0.04	0.07	1.32	0.02	0.01	0.01	0.01				
L5-127	25	0.000	0.2	60	2	-1	-10	20	374	236	2	-10	11.0	8	231	22	-10	12	280	0.5	-10	50	190	770	-1	19	-0.01	0.05	0.32	2.00	0.46	0.10	0.01	0.01	0.01				
L5-128	25	0.000	8.0	40	242	-1	-10	12	5250	344	7	140	4	16.0	9	395	35	-10	112	10	-0.5	-10	10	45	70	-1	58	-0.01	0.01	0.05	0.28	0.01	0.01	0.01	0.01				
L5-129	25	0.000	6.2	12	2	-1	-10	27	5070	62	11	10	2	2.0	1	440	35	-10	148	10	-0.5	-10	10	100	30	-1	7	-0.01	0.01	0.12	0.67	0.01	0.06	0.01	0.01	0.01			
L5-130	25	0.000	7.4	34	2	-1	-10	12	5070	736	3	-10	12	50.5	7	355	48	-10	30	-0.5	-10	50	10	1	8	-0.01	0.06	0.01	1.29	0.02	0.02	0.01	0.01	0.01					
L5-131	25	0.000	0.6	8	2	-1	-10	10	604	540	2	-10	2	41.5	1	375	28	-10	41	30	-0.5	-10	40	20	2	2	-0.01	0.01	0.06	0.82	0.02	0.02	0.01	0.01	0.01				
L5-132	25	0.001	110	2	2	-1	-10	1	42	6	2	-10	-0.5	1	108	4	-10	3	50	0.5	-10	10	100	160	-1	6	-0.01	0.04	0.08	0.18	0.35	0.02	0.06	0.01	0.01	0.01			
L5-133	25	0.000	0.8	110	2	-1	-10	4	20	2	-10	2	-0.5	1	35	10	-10	6	90	0.5	-10	50	20	-1	13	-0.01	0.06	0.14	2.92	0.02	0.02	0.01	0.01	0.01					
L5-134	25	0.000	0.4	46	-2	-1	-10	7	286	-1	-10	2	-0.5	1	65	8	-10	137	19	-0.5	-10	22	150	0.5	-10	40	295	750	-1	13	-0.01	0.06	0.27	2.01	0.53	0.17	0.01	0.01	0.01
L5-135	25	0.000	0.2	2070	6	-1	-10	6	332	54	2	-10	2	0.5	4	377	24	-10	14	40	-0.5	-10	10	45	30	-1	6	-0.01	0.04	0.04	1.46	0.05	0.05	0.01	0.01	0.01			
L5-136	25	0.000	0.8	42	-2	-1	-10	3	330	26	3	-10	2	-0.5	2	318	23	-10	8	80	-0.5	-10	10	160	160	-1	523	-0.01	0.19	0.18	3.88	0.24	0.03	0.01	0.01	0.01			
L5-137	25	0.000	0.8	44	-2	-1	-10	4	328	6	1	-10	2	-0.5	4	332	23	-10	16	180	-0.5	-10	10	65	430	-1	13	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01			
L5-138	25	0.000	0.8	46	-2	-1	-10	4	328	6	1	-10	2	-0.5	4	328	6	-10	7	70	-0.5	-10	10	60	430	-1	13	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01			
L5-139	25	0.000	0.4	46	-2	-1	-10	4	20	2	-10	2	-0.5	4	328	6	-10	16	180	-0.5	-10	10	65	430	-1	13	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01				
L5-140	25	0.000	0.6	244	-2	-1	-10	4	10	46	12	56	-1	-10	2	10	2	-10	42	94	-0.5	-10	10	68	1280	-1	13	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01			
L5-141	25	0.000	0.2	4	2	-1	-10	4	10	46	12	56	-1	-10	2	10	2	-10	302	31	-0.5	-10	10	39	70	-1	8	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01			
L5-142	25	0.000	0.2	4	2	-1	-10	4	10	25	38	46	-1	-10	2	10	2	-10	94	7	-0.5	-10	10	182	110	-1	30	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01			
L5-143	25	0.000	0.2	150	6	-1	-10	8	1130	218	4	-10	2	-0.5	2	370	2	-10	90	36	-0.5	-10	10	10	10	-1	30	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01			
L5-144	25	0.000	0.4	20	2	-1	-10	4	10	49	160	620	-1	-10	2	10	2	-10	301	20	-0.5	-10	10	40	465	-1	336	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01			
L5-145	25	0.000	5.4	356	20	-1	-10	108	20	162	1	-10	4	0.5	22	44	30	-10	51	170	0.5	-10	20	110	515	2130	-1	14	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01		
L5-146	20	0.001	31.0	36	-10	38	8	-10	20	54	24	-10	2	-0.5	1	322	24	-10	10	48	140	-0.5	-10	10	30	120	30	-1	17	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01	
L5-147	20	0.000	0.8	98	6	-10	15	2	-10	56	2	-10	2	-0.5	1	321	44	-10	62	220	-0.5	-10	10	10	380	1480	-1	8	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01		
L5-148	20	0.000	0.2	38	-2	-1	-10	15	2	-10	56	2	-10	2	-0.5	1	321	43	-10	62	220	-0.5	-10	10	10	380	1480	-1	8	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01	
L5-149	20	0.000	0.4	1	-1	-10	12	2	-10	10	1	-10	2	-0.5	1	31	1	-10	10	10	20	-0.5	-10	10	10	380	1480	-1	8	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01	
L5-150	20	0.000	0.2	8	-2	-1	-10	12	2	-10	10	1	-10	2	-0.5	1	31	1	-10	10	10	20	-0.5	-10	10	10	380	1480	-1	8	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01
L5-151	20	0.000	0.2	736	20	-1	-10	11	14	36	2	-10	2	-0.5	1	31	21	-10	128	4	-0.5	-10	7	140	-1	14	-0.01	0.04	0.04	1.50	0.05	0.05	0.01	0.01	0.01				
L5-152	20	0.000	0.2																																				

TOANO RECON - 1995 ROCK ASSAYS

Sample Number	Au ppb	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 %													
L5-277	-5	-0.000	-0.2	14	-1	-10	2	-2	-0.5	1	414	28	-10	-0.5	-0.5	1	214	15	-10	80	-0.01	0.03	7.83	0.23	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01												
L5-278	-5	-0.000	-0.2	2	-1	-10	2	-2	-0.5	1	9	56	-10	-0.5	-0.5	1	26	11	-10	18	3000	-0.01	0.01	0.50	0.77	0.07	0.13	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01									
L5-279	-5	-0.000	-0.2	76	8	-10	8	6	2	10	-0.5	9	330	-10	9	330	-10	12	2070	10000	2	-10	105	180	-1	105	1040	500	1	56	-0.01	0.12	15.00	2.69	0.07	0.13	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L5-280	-5	-0.000	-0.2	4	-2	-10	6	2	3	-10	-0.5	1	438	-10	2	20	-0.5	-10	12	24	4	-10	100	1040	500	-1	5	180	-1	2	-0.01	0.02	0.33	0.88	0.01	0.11	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
L5-281	-5	-0.000	-0.2	2	-2	-10	7	2	56	4	-10	2	-0.5	9	64	12	-10	25	120	-0.5	-10	340	610	3	32	308	216	1.38	2.11	0.90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03							
L5-282	-5	-0.000	-0.2	18	2	-10	7	2	56	4	-10	2	-0.5	3	116	17	-10	14	80	-0.5	-10	165	1300	1	139	-0.01	0.36	5.47	0.63	0.18	0.18	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-286	-5	-0.000	-0.2	2	-2	-10	6	2	14	1	-10	2	-0.5	1	285	6	-10	4	20	-0.5	-10	80	290	-1	10	-0.01	0.01	1.70	0.36	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01							
L5-297	-5	-0.000	-0.2	366	32	-10	11	8	2	2	3	-10	-0.5	-1	117	5	-10	30	120	-0.5	-10	250	2	2	77	-0.01	0.01	0.60	0.37	5.18	0.35	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-298	-5	-0.000	0.4	22	2	-10	1	2	42	1	-10	2	-0.5	-1	7	4	-10	5	3250	-0.5	-10	455	20	-1	177	-0.01	0.11	15.00	1.00	0.04	9.68	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-299	-5	-0.000	-0.2	62	30	-10	6	2	22	2	-10	2	-0.5	-1	174	4	-10	44	70	-0.5	-10	55	170	-1	24	-0.01	0.14	2.65	7.65	0.06	0.89	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-300	-5	-0.000	-0.2	12	-2	-10	4	52	8	1	-10	2	-0.5	2	188	8	-10	4	110	-0.5	-10	715	250	1	8	-0.01	0.18	1.96	1.75	0.10	0.05	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-301	-5	-0.000	-0.2	4	2	-10	7	6	6	2	-10	2	-0.5	1	117	7	-10	10	130	-0.5	-10	95	160	1	17	-0.01	0.42	0.35	0.87	0.27	0.24	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-302	-5	-0.000	0.4	12	2	-10	1	2	2	-1	-10	2	-0.5	-1	6	1	-10	6	900	-0.5	-10	110	30	-1	551	-0.01	0.04	15.00	0.20	0.01	5.97	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01						
L5-303	-5	-0.001	0.2	154	158	-10	52	1310	380	6	-10	-0.5	2	30	28	-10	103	50	-0.5	-10	70	90	-1	30	-0.01	0.11	3.19	15.00	0.02	0.44	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01							
L5-304	20	0.001	0.8	78	242	-10	77	10	22	1	-10	345	3	19	12	-10	127	60	-0.5	-10	65	210	-1	21	-0.01	0.13	2.26	15.00	0.05	0.75	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01							
L5-305	10	0.000	0.6	26	22	-10	3	110	3230	2	-10	130	-1	17	4	-10	8	1850	-0.5	-10	100	70	-1	187	-0.01	0.09	11.85	12.00	0.01	2.55	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01							
L5-306	5	-0.000	0.4	6	14	-10	4	1790	572	3	-10	2	-0.5	-1	140	6	-10	1810	16	-0.5	-10	65	120	-1	178	-0.01	0.11	2.91	15.00	0.04	0.10	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01						
L5-307	80	0.002	0.2	80	48	-10	2	10	4	1825	1520	5	-10	2	-0.5	20	1	176	4	-0.5	-10	150	100	-1	68	-0.01	0.04	6.96	15.00	0.01	0.26	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-308	10	0.000	0.2	86	54	-10	1	1880	1300	8	-10	2	-0.5	-1	53	2	-10	10	4	-0.5	-10	30	30	-1	281	-0.01	0.04	0.94	15.00	0.01	0.11	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-309	10	0.000	0.4	306	22	-10	37	212	114	3	-10	2200	10000	6	-10	2	-0.5	3	63	68	-0.5	-10	65	230	-1	34	-0.01	0.03	14.9	0.01	0.01	0.11	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
L5-311	-5	-0.000	-0.2	8	-2	-10	4	68	42	-1	-10	2	-0.5	1	105	5	-10	6	3110	-0.5	-10	140	1030	1	89	-0.01	0.22	5.12	1.07	0.16	2.27	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-312	50	0.001	-0.2	6	-2	-10	4	308	390	28	-10	2	-0.5	1	167	4	-10	260	2	-0.5	-10	155	360	-1	24	-0.01	0.07	3.33	0.44	0.02	1.38	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-313	50	0.001	0.2	376	190	-10	30	8	-1	10	14	128	356	-1	10	2	-0.5	2	81	2	-0.5	-10	40	130	-1	19	-0.01	0.06	1.36	0.20	0.01	0.23	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
L5-314	-5	-0.000	0.2	4	-2	-10	2	1	2	-2	-1	10	2	-0.5	2	3	-10	28	12	-0.5	-10	770	1035	2	170	-0.01	0.02	15.00	0.52	0.16	0.28	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-315	-5	-0.000	0.4	2	-2	-10	1	2	6	6	-10	1	-0.5	1	19	2	-10	2	20	-0.5	-10	120	190	-1	133	-0.01	0.09	15.00	0.47	0.05	0.14	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-316	-5	-0.000	0.2	220	22	-10	10	49	72	256	35	-10	14	15	1	14	9	-10	269	100	-0.5	-10	135	370	-1	30	-0.01	0.14	1.19	15.00	0.02	0.45	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
L5-317	15	0.002	-0.2	332	72	-10	75	1315	98	38	-10	2	-0.5	3	10	22	165	17	-0.5	-10	294	50	-1	260	-0.01	0.01	1.89	0.57	0.16	0.37	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01						
L5-318	5	-0.000	-0.2	236	2	-10	61	1880	1140	36	-10	82	82	2	-0.5	3	17	165	32	-0.5	-10	163	1680	-1	3050	-0.01	0.01	8.00	0.50	0.16	0.01	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-320	-5	-0.000	-0.2	8	-2	-10	6	46	22	2	-10	2	-0.5	1	332	6	-10	15	150	-0.5	-10	75	90	-1	19	-0.01	0.04	1.54	1.31	0.01	0.57	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-321	-5	-0.000	-0.2	4	2	-10	3	48	24	1	-10	2	-0.5	-1	220	3	-10	6	20	-0.5	-10	30	210	-1	11	-0.01	0.01	1.11	0.01	0.01	0.52	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					
L5-322	45	0.001	1.0	198	72	-10	14	39	184	52	3	-10	2	-0.5	1	114	10	-10	93	40	-0.5	-10	60	130	-1	11	-0.01	0.02	11.00	0.01	0															

TOANO RECON - 1995 ROCK ASSAYS

Sample Number	Au	Ag	As	Sb	Hg	Tl	Cu	Pb	Zn	Mo	W	Bi	Cd	Co	Ni	Cr	U	V	Ba	Be	Ga	La	Mn	P	Sc	Sr	Ti	Al	Ca	Fe	K	Mg	Na	
P5-066	-5	-0.000	200.0	428	98.8	6	-10	7270	1885	-1	-10	2	13.0	1	-10	-10	-0.5	-10	-0.5	-10	-0.5	-10	-10	20	60	-1	4	-0.01	0.45	0.29	-0.01	0.59	-0.01	
P5-067	-5	-0.000	200.0	4110	9	-10	4050	10000	434	15	20	6	44.0	-1	206	30	-10	28	-10	4	-10	2	1	1.5	0.25	-0.01	1.43	0.26	-0.01	0.59	-0.01			
P5-068	-5	-0.000	200.0	146	754	1	-10	3030	740	1980	-1	-10	4	36.0	2	182	28	-10	4	-10	4	-10	20	60	-1	13	-0.01	-0.01	0.01	-0.01	0.01	-0.01		
P5-150	-5	-0.000	0.2	4	2	-1	-10	7	292	48	7	-10	-2	1.5	1	330	21	-10	19	40	-0.5	-10	-10	165	40	-1	1	8	-0.01	0.05	0.52	0.70	0.03	0.01
P5-151	-5	-0.000	9.8	8	2	-1	-10	12	7100	166	3	-10	4	5.5	1	329	19	-10	30	54	30	-10	45	50	-1	12	-0.01	0.12	0.19	1.00	0.04	0.01		
P5-152	-5	-0.000	0.46	14	2	-1	-10	12	1830	214	3	-10	4	2.0	1	302	29	-10	30	50	30	-10	45	50	-1	12	-0.01	0.12	0.19	1.00	0.04	0.01		
P5-153	-5	-0.000	-0.2	16	2	-1	-10	17	64	134	1	-10	2	1.0	9	170	14	-10	19	280	10	-10	60	305	700	3	30	-0.01	0.95	0.59	1.94	0.43	0.37	
P5-154	-5	-0.000	-0.2	2	2	-1	-10	12	28	34	3	-10	2	-0.5	7	155	11	-10	21	470	0.5	-10	60	355	690	3	29	-0.01	0.71	0.97	1.85	0.30	0.21	
P5-155	-5	-0.000	1.4	96	2	-1	-10	51	1725	108	4	-10	4	1.5	8	384	27	-10	148	70	-0.5	-10	60	40	-1	4	0.01	0.07	0.07	4.70	0.30	0.21		
P5-156	-5	-0.000	1.0	18	2	-1	-10	4	424	12	2	-10	-2	0.5	1	335	31	-10	6	60	-0.5	-10	10	110	30	-1	3	-0.01	0.07	0.12	0.34	0.01	-0.01	
P5-157	-5	-0.000	-0.2	2	2	-1	-10	3	2	2	-10	2	-0.5	1	321	25	-10	1	18	120	0.5	-10	80	10	1	53	-0.01	0.02	0.12	0.34	0.01	-0.01		
P5-158	-5	-0.000	-0.2	2	4	-1	-10	6	14	32	-1	-10	6	-0.5	6	24	12	-10	10	18	120	0.5	-10	380	290	4	540	-0.01	0.01	0.18	0.74	0.18	-0.01	
P5-159	-5	-0.001	2.6	2	2	-1	-10	16	465	12	24	-10	0.5	2	21	4	-10	9	14	380	80	-10	140	230	1	397	-0.01	0.08	0.19	0.48	0.08	-0.01		
P5-160	-5	-0.000	0.6	10	2	-1	-10	16	480	262	9	-10	2	0.0	3	387	19	-10	7	60	2.0	-10	375	40	-1	11	-0.01	0.14	0.29	1.49	0.08	-0.01		
P5-161	5	0.000	22.0	32	4	-1	-10	51	10000	2420	19	-10	6	100.0	5	272	27	-10	108	40	-0.5	-10	10	295	30	-1	97	-0.01	0.11	1.51	1.34	0.06	0.04	
P5-162	-5	-0.000	9.2	10	2	-1	-10	94	3590	310	6	-10	22	11.5	1	250	23	-10	69	50	-0.5	-10	10	295	90	-1	59	-0.01	0.24	1.33	1.43	0.10	0.04	
P5-163	-5	-0.000	48	2	2	-1	-10	16	10000	240	12	-10	8	6.0	1	425	25	-10	44	20	1.0	-10	35	30	-1	267	-0.01	0.05	0.31	1.72	0.02	0.01		
P5-164	135	-0.004	9.4	2	2	-1	-10	1545	2380	20	2	-10	28	1.0	2	290	24	-10	50	380	-0.5	-10	10	50	70	-1	19	-0.01	0.05	0.31	0.97	0.12	0.09	
P5-165	5	0.000	4.6	38	2	-1	-10	16	1500	244	2	-10	190	2	13.5	3	341	31	-10	28	110	0.5	-10	10	60	70	-1	28	-0.01	0.09	0.19	1.81	0.06	0.01
P5-166	5	0.000	4.6	38	2	-1	-10	500	53.8	12	4	-10	6	10000	1	326	23	-10	70	170	0.5	-10	10	1035	1380	12	103	-0.01	0.01	0.02	0.54	0.01	-0.01	
P5-167	-5	-0.000	-0.2	60	2	-1	-10	6	62	38	64	-10	4	15.5	1	328	23	-10	70	170	0.5	-10	10	1035	1380	12	103	-0.01	0.01	0.02	0.54	0.01	-0.01	
P5-168	-5	-0.000	6	6	2	-1	-10	14	14	12	4	-10	2	0.5	1	392	22	-10	24	20	-0.5	-10	10	1035	90	-1	35	-0.01	0.03	0.08	1.21	0.09	-0.01	
P5-169	-5	-0.000	4.4	10	4	-1	-10	4	40	52	1	-10	6	-0.5	3	28	6	-10	2	2	-0.5	-10	125	240	2	891	-0.01	0.15	0.08	0.53	0.10	-0.01		
P5-170	100	0.003	182.0	-2	158	-1	-10	226	846	74	-1	-10	2	-2.5	-1	177	13	-10	21	10	-0.5	-10	70	-1	11	-0.01	0.04	9.32	0.32	0.02	2.91	-0.01		
P5-171	-5	-0.000	0.2	20	4	-1	-10	11	14	24	-1	-10	6	-0.5	4	13	9	-10	4	20	-0.5	-10	10	315	360	3	487	-0.01	0.54	0.54	1.01	0.21	0.78	
P5-172	-5	-0.000	-0.2	2	2	-1	-10	3	10	8	6	-10	2	-0.5	1	266	13	-10	2	10	-0.5	-10	295	50	-1	74	-0.01	0.08	3.85	0.42	0.01	0.98		
P5-173	-5	-0.000	3.6	2	2	-1	-10	10	28	2	2	-10	2	-0.5	1	297	17	-10	1	90	-0.5	-10	335	140	-3	127	-0.01	0.05	0.31	1.27	0.06	0.04		
P5-174	-5	-0.000	-0.2	2	2	-1	-10	9	4	4	-10	2	-0.5	1	21	9	-10	14	90	-0.5	-10	335	140	-3	127	-0.01	0.05	0.31	1.27	0.06	0.04			
P5-175	-5	-0.000	-0.2	4	1	-1	-10	3	8	2	-10	2	-0.5	1	199	11	-10	1	100	-0.5	-10	360	90	-1	98	-0.01	0.10	0.05	0.85	0.06	0.04			
P5-176	-5	-0.000	-0.2	4	1	-1	-10	43	62	28	1	-10	2	-0.5	8	95	24	-10	27	100	-0.5	-10	700	3	66	-0.01	0.18	1.73	3.01	0.07	0.06			
P5-177	-5	-0.000	-0.2	18	2	-1	-10	7	14	26	-1	-10	2	-0.5	5	148	9	-10	22	280	-0.5	-10	435	640	1	27	-0.01	0.58	2.48	1.71	0.33	0.04		
P5-178	-5	-0.000	-0.2	36	4	-1	-10	1	6	12	-1	-10	2	-0.5	1	5	2	-10	16	-0.5	-10	120	50	-1	127	-0.01	0.04	0.04	7.12	0.01	0.01			
P5-179	-5	-0.000	-0.2	36	4	-1	-10	12	6	12	-1	-10	2	-0.5	6	22	34	-10	16	100	-0.5	-10	180	330	2	366	-0.01	0.20	0.15	1.13	0.12	3.21		
P5-180	-5	-0.000	-0.2	2	2	-1	-10	3	2	2	-10	2	-0.5	1	287	13	-10	1	10	-0.5	-10	60	30	-1	52	-0.01	0.03	5.13	0.29	0.01	2.37			
P5-181	-5	-0.000	-0.2	2	2	-1	-10	4	80	-1	-10	2	-0.5	15	52	35	-10	32	90	-10	-10	185	250	3	36	-0.01	0.13	3.48	1.28	0.08	3.75			

Samples analyzed by Chemedex Labs Ltd., Certificate A9516810, A9517728, A9518175, A9518701, A9519531, A9520635, A9522499, A9524416, A9526634, A9528399, A9528718, A9530002

Au analysis = 30 g FA-AAS
All other elements = ICP-AES

TOANO RECON - 1995 ROCK DESCRIPTIONS

Sample Number	Area	Date	Sec	Twnsp	Range	Description
K5-001	TO	06-Aug-95	13	T37N	R68E	Float; red-orange, hematite alt. ist, some barite
K5-002	TO	06-Aug-95	15	T37N	R68E	Float; orange-yellow, not strong alt, little found
K5-003	TO	06-Aug-95	14	T37N	R68E	Wallrock: tan-yellow, some silic,fault gouge
K5-004	TO	06-Aug-95	14	T37N	R68E	Float; pink-tan,some hem,near fault,typical sample
K5-005	TO	06-Aug-95	23	T37N	R68E	Bedrock;blue-gray,hem,lim,dolom,silic,gouge
K5-006	TO	06-Aug-95	28	T37N	R68E	Float; red-orange,hem,limon,silification
K5-007	TO	06-Aug-95	28	T37N	R68E	Float; red-orange/dark red,hem,jasperoid,opal silic
K5-008	TO	06-Aug-95	24	T37N	R68E	Float; red-orange,hem,lim,opal silicif
K5-009	TO	06-Aug-95	24	T37N	R68E	Subcrop; yellow-omg-red,hem,lim,calcite
L5-063	TO	28-Apr-95	19	T38N	R69E	Outcrop, jasperoid breccia, pink-tan
L5-064	TO	28-Apr-95	19	T38N	R69E	Outcrop, Mcd, yellow-orange, brecciated, silicified?
L5-065	TO	28-Apr-95	19	T38N	R69E	Outcrop, Mcd, pink-grey, brecciated, silicified?
L5-066	TO	28-Apr-95	19	T38N	R69E	Outcrop, Mcd, yellow-grey, brecciated, silicified?
L5-067	TO	28-Apr-95	19	T38N	R69E	Outcrop, Mcd, pink-grey, brecciated, silicified?
L5-068	TO	28-Apr-95	19	T38N	R69E	Outcrop, jasperoid breccia, ochre
L5-069	TO	28-Apr-95	19	T38N	R69E	Outcrop, Mcd, yellow-orange, brecciated, silicified?
L5-070	TO	28-Apr-95	30	T38N	R69E	Outcrop, chert breccia, pink-grey
L5-071	TO	28-Apr-95	30	T38N	R69E	Outcrop, jasperoid breccia, pink-grey, tan
L5-072	TO	28-Apr-95	19	T38N	R69E	Outcrop, sandstone breccia, brown-orange
L5-073	TO	28-Apr-95	19	T38N	R69E	Outcrop, siltstone, yellow-grey, fractured, moderate FeOx
L5-074	TO	28-Apr-95	19	T38N	R69E	Outcrop, Mcd, orange-grey, brecciated, silicified?
L5-075	TO	28-Apr-95	19	T38N	R69E	Outcrop, diorite, green-grey, biotite, hornblende
L5-076	TO	28-Apr-95	19	T38N	R69E	Outcrop, Mcd, red-orange, brecciated, silicified?
L5-077	TO	28-Apr-95	30	T38N	R69E	Outcrop, Mcd, red-orange, brecciated, silicified?
L5-078	TO	28-Apr-95	30	T38N	R69E	Outcrop, Mcd, red-orange, brecciated, silicified?
L5-079	TO	28-Apr-95	30	T38N	R69E	Outcrop, jasperoid breccia, red brown, white barite
L5-080	TO	28-Apr-95	30	T38N	R69E	Outcrop, jasperoid breccia, red brown
L5-081	TO	28-Apr-95	30	T38N	R69E	Outcrop, jasperoid breccia, red brown
L5-082	TO	29-Apr-95	22	T38N	R68E	Outcrop, chert breccia, tan-grey
L5-083	TO	29-Apr-95	22	T38N	R68E	Outcrop, chert breccia, pink-grey
L5-084	TO	29-Apr-95	27	T38N	R68E	Outcrop, volcanic flow, tan, celadonite on fractures
L5-085	TO	29-Apr-95	22	T38N	R68E	Outcrop, Pgr, chert breccia, pink-tan and grey
L5-086	TO	29-Apr-95	22	T38N	R68E	Outcrop, Pgr, chert breccia, orange grey
L5-087	TO	29-Apr-95	22	T38N	R68E	Outcrop, Pgr, chert breccia, tan-grey
L5-088	TO	29-Apr-95	33	T38N	R68E	Outcrop, Mcd, brecciated, orange grey
L5-089	TO	29-Apr-95	33	T38N	R68E	Outcrop, Mcd, brecciated, orange grey
L5-090	TO	29-Apr-95	33	T38N	R68E	Outcrop, jasperoid breccia, yellow-grey
L5-091	TO	29-Apr-95	33	T38N	R68E	Outcrop, Fe-gossan, breccia, ochre, in limestone
L5-092	TO	29-Apr-95	33	T38N	R68E	Outcrop, jasperoid breccia, orange-grey
L5-093	TO	29-Apr-95	33	T38N	R68E	Outcrop, jasperoid breccia, orange-grey
L5-094	TO	29-Apr-95	32	T38N	R68E	Prospect pit, 6" shear in Mcd, orange-red-purple
L5-095	TO	29-Apr-95	33	T38N	R68E	Shaft, 30' deep, dump, Fe-gossan, breccia, ochre
L5-096	TO	29-Apr-95	33	T38N	R68E	Adit, 75'long, dump, Fe-gossan, jasper
L5-097	TO	30-Apr-95	32	T38N	R68E	Outcrop, Fe-gossan, jasperoid, ochre
L5-098	TO	30-Apr-95	32	T38N	R68E	Prospect pit, dump, Fe-gossan, jasperoid, ochre
L5-099	TO	30-Apr-95	32	T38N	R68E	Subcrop, Fe-gossan, jasperoid, ochre
L5-100	TO	30-Apr-95	33	T38N	R68E	Outcrop, chert breccia, tan-grey
L5-101	TO	30-Apr-95	32	T38N	R68E	Outcrop, chert breccia, tan-grey
L5-102	TO	30-Apr-95	32	T38N	R68E	Outcrop, dike?, andesite, olive-grey, red-brown, minor biotite, trace magnetite
L5-103	TO	30-Apr-95	32	T38N	R68E	Outcrop, Ptc, jasperoid breccia, red-brown
L5-104	TO	30-Apr-95	32	T38N	R68E	Outcrop, Ptc, jasperoid breccia, olive-brown
L5-105	TO	30-Apr-95	32	T38N	R68E	Outcrop, jasperoid breccia, tan-grey
L5-106	TO	30-Apr-95	32	T38N	R68E	Outcrop, Mcd, brecciated, orange-grey
L5-107	TO	30-Apr-95	32	T38N	R68E	Outcrop, Mcd, brecciated, orange-grey
L5-108	TO	30-Apr-95	32	T38N	R68E	Outcrop, Mcd, brecciated, orange-grey
L5-109	TO	30-Apr-95	32	T38N	R68E	Prospect pit, Mcd, quartzite-siltstone, orange-brown
L5-110	TO	30-Apr-95	32	T38N	R68E	Outcrop, Mcd, quartzite, orange-brown
L5-111	TO	30-Apr-95	32	T38N	R68E	Outcrop, Mcd, brecciated, orange-brown
L5-112	TO	30-Apr-95	33	T38N	R68E	Outcrop, chert breccia, dark grey
L5-113	TO	01-May-95	4	T37N	R68E	Outcrop, jasperoid breccia, red-grey
L5-114	TO	01-May-95	4	T37N	R68E	Shaft, dump, Fe-gossan, trace galena, ochre
L5-115	TO	01-May-95	4	T37N	R68E	Shaft and adit, dump, Fe-gossan with fine-grained galena and secondary green-grey mineral, ochre
L5-116	TO	01-May-95	4	T37N	R68E	Prospect pit, dump, bull quartz vein, minor malachite and MnOx, may be salted?
L5-117	TO	01-May-95	4	T37N	R68E	Subcrop, Fe-gossan, ochre, 3" wide
L5-118	TO	01-May-95	4	T37N	R68E	Prospect pit, dump, limestone-shale, olive-grey to ochre, sheared, moderate limonite
L5-119	TO	01-May-95	8	T37N	R68E	Shaft, dump, bull quartz vein with malachite, azurite, chalcocite
L5-120	TO	01-May-95	8	T37N	R68E	Shaft, dump, bull quartz vein with malachite, azurite, chalcocite
L5-121	TO	01-May-95	9	T37N	R68E	Adit, dump, bull quartz vein with malachite, azurite, chalcocite
L5-122	TO	01-May-95	9	T37N	R68E	Adit, dump, bull quartz vein and dolomitic marble with malachite, azurite, chalcocite
L5-123	TO	01-May-95	16	T37N	R68E	Prospect pit, dump, bull quartz vein and dolomite with malachite, azurite, chalcocite
L5-124	TO	01-May-95	16	T37N	R68E	Prospect pit, dump, bull quartz vein and dolomite with malachite, azurite, chalcocite
L5-125	TO	01-May-95	9	T37N	R68E	Prospect pit, dump, bull quartz vein and dolomite with malachite, azurite, chalcocite
L5-192	SZ	21-May-95	9	T35N	R68E	Prospect pit, dump, bull quartz vein, white, trace galena, malachite, weak limonite
L5-193	SZ	21-May-95	9	T35N	R68E	Prospect pit, granodiorite, grey, sericitic, limonite, oxidized pyrite cubes
L5-194	SZ	21-May-95	9	T35N	R68E	Shaft, dump, bull quartz vein, white, trace galena & pyrite, weak limonite
L5-195	SZ	21-May-95	8	T35N	R68E	Outcrop, bull quartz vein, white, trace galena, weak limonite, 2" wide
L5-196	SZ	21-May-95	8	T35N	R68E	Prospect pit, dump, bull quartz vein, white, trace galena & pyrite, weak limonite
L5-197	SZ	21-May-95	8	T35N	R68E	Outcrop, bull quartz vein, white, trace galena, weak limonite
L5-198	SZ	21-May-95	9	T35N	R68E	Outcrop, rhyolite dike, light greenish-grey, 5% phenocrysts, weak sericitic
L5-199	SZ	21-May-95	9	T35N	R68E	Outcrop, bull quartz vein, white, trace pyrite, calcite?, weak limonite
L5-200	SZ	21-May-95	9	T35N	R68E	Outcrop, granodiorite, dark green-grey, sericitic, oxidized pyrite cubes to 1"
L5-201	SZ	21-May-95	9	T35N	R68E	Outcrop-subcrop, oxidized pyrite cubes, 1/4 - 1"
L5-202	SZ	21-May-95	9	T35N	R68E	Outcrop, bull quartz vein, white, trace pyrite & galena, weak limonite and hematite
L5-203	SZ	21-May-95	9	T35N	R68E	Outcrop, bull quartz vein, white, weak limonite after pyrite
L5-204	SZ	21-May-95	9	T35N	R68E	Outcrop, bull quartz vein, white, leached boxwork, limonite after pyrite
L5-205	SZ	21-May-95	9	T35N	R68E	Prospect pit, bull quartz vein, white, 3" wide, leached boxwork, limonite after pyrite
L5-206	SZ	21-May-95	9	T35N	R68E	Prospect pit, granodiorite, orange-yellow, sheared, strong limonite, weak hematite
L5-207	SZ	21-May-95	9	T35N	R68E	Prospect pit, dump, bull quartz vein, white, leached boxwork, moderate limonite after pyrite
L5-208	SZ	21-May-95	16	T35N	R68E	Prospect pit, dump, weathered granodiorite, orange-red, moderate limonite-hematite
L5-209	SZ	21-May-95	10	T35N	R68E	Shaft, dump, bull quartz vein, white, trace pyrite, weak limonite
L5-210	SZ	21-May-95	10	T35N	R68E	Prospect pit, dump, bull quartz vein, white, trace pyrite, buff calcite crystals, weak limonite
L5-211	SZ	22-May-95	28	T35N	R68E	Adit, dump, diorite?, orange-grey, sericitized, oxidized pyrite cubes
L5-212	SZ	22-May-95	28	T35N	R68E	Adit, dump, bull quartz vein, white, 1-6" wide, trace pyrite, galena, tetrahedrite, & malachite

TOANO RECON - 1995 ROCK DESCRIPTIONS

Sample Number	Area	Date	Sec	Twnsp	Range	Description
L5-213	SZ	22-May-95	29	T35N	R68E	Prospect pit, dump, diorite?, orange-grey, sericitized, oxidized pyrite cubes
L5-214	SZ	22-May-95	20	T35N	R68E	Float, quartzite breccia, white to orange grey
L5-215	SZ	22-May-95	22	T35N	R68E	Quarry, dolomitic marble, white
L5-216	SZ	22-May-95	22	T35N	R68E	Quarry, dolomitic marble, white
L5-217	SZ	22-May-95	3	T35N	R68E	Subcrop, quartz vein-gossan, red brown, oxidized pyritohedrons
L5-218	SZ	22-May-95	3	T35N	R68E	Subcrop, silty limestone, yellow-orange & pink-grey
L5-219	SZ	22-May-95	3	T35N	R68E	Float, bull quartz vein, white, weak limonite and hematite
L5-227	TO	09-Jun-95	35	T38N	R68E	Outcrop, dolomite, red grey, moderate hematite, weak limonite
L5-228	TO	09-Jun-95	35	T38N	R68E	Prospect pit, outcrop, rhylite dike, yellow grey, weak sercite
L5-229	TO	09-Jun-95	35	T38N	R68E	Prospect pit, dump, myiolite dike, yellow grey, weak sercite, oxidized pyrite on fractures
L5-230	TO	09-Jun-95	25	T38N	R68E	Float, quartzite, orange brown, weakly calcareous
L5-231	TO	09-Jun-95	25	T38N	R68E	Float, breccia, yellow grey, weakly silicified
L5-232	TO	09-Jun-95	25	T38N	R68E	Outcrop, jasperoid breccia, brown-grey, cut by white silica veinlets
L5-233	TO	09-Jun-95	36	T38N	R68E	Prospect pit?, dump, dolomite, orange yellow, strong limonite
L5-234	TO	09-Jun-95	36	T38N	R68E	Float, silicified gossan, orange brown, white barite
L5-235	TO	10-Jun-95	31	T38N	R68E	Outcrop, chert/jasperoid, olive grey
L5-236	TO	10-Jun-95	36	T38N	R68E	Outcrop, chert/jasperoid, olive grey, 6" thick
L5-237	TO	10-Jun-95	36	T38N	R68E	Outcrop, chert/jasperoid, pink grey, calcite on fractures
L5-238	TO	10-Jun-95	36	T38N	R68E	Float, Fe-gossan, dense, orange-ochre
L5-239	TO	10-Jun-95	36	T38N	R68E	Float, Fe-gossan, dense, orange-ochre
L5-240	TO	10-Jun-95	26	T38N	R68E	Outcrop, fault breccia, grey, silicified, 6" wide
L5-241	TO	10-Jun-95	26	T38N	R68E	Subcrop, Fe-gossan, red-brown, dense
L5-243	TO	14-Jun-95	35	T38N	R68E	Outcrop, jasperoid, pink, sucrose texture
L5-244	TO	14-Jun-95	35	T38N	R68E	Float, jasperoid/chert, black, opal on fractures
L5-245	TO	14-Jun-95	35	T38N	R68E	Outcrop, Fe-gossan, orange-brown, dense, 0-3" thick
L5-273	TO	27-Jun-95	27	T38N	R68E	Float, jasperoid breccia/fault breccia, yellow grey
L5-274	TO	27-Jun-95	34	T38N	R68E	Outcrop, fault breccia, 6"-wide, grey, silicified, cuts dolomite
L5-275	TO	27-Jun-95	27	T38N	R68E	Outcrop, dolomitic breccia, pink-grey, weakly silicified
L5-276	TO	27-Jun-95	27	T38N	R68E	Outcrop, quartzite, grey, fractured/brecciated
L5-277	TO	27-Jun-95	27	T38N	R68E	Float, jasperoid breccia, tan
L5-278	TO	28-Jun-95	33	T38N	R68E	Outcrop, Mcd, conglomerate, yellow grey, silicified
L5-279	TO	28-Jun-95	34	T38N	R68E	Float, fault breccia, red brown, moderate limonite and hematite, very calcareous
L5-280	TO	28-Jun-95	3	T37N	R68E	Float, quartzite, orange-brown, fractured, moderate limonite
L5-281	TO	28-Jun-95	4	T37N	R68E	Prospect pit, dump, shale-siltstone, olive grey, weak limonite on fractures
L5-282	TO	28-Jun-95	27	T38N	R68E	Float, jasperoid breccia, olive grey-grey, calcite veinlets
L5-296	TO	04-Aug-95	2	T37N	R68E	Outcrop, chert, black, opaline silica, 6" wide
L5-297	TO	04-Aug-95	2	T37N	R68E	Subcrop, quartzite, red-orange, strong hematite, fractured
L5-298	TO	05-Aug-95	11	T37N	R68E	Outcrop, dolomite, dark grey, moderate hematite on fractures
L5-299	TO	05-Aug-95	11	T37N	R68E	Subcrop, quartzite, red-brown, strong hematite
L5-300	TO	05-Aug-95	11	T37N	R68E	Float, jasperoid breccia, red-orange
L5-301	TO	05-Aug-95	10	T37N	R68E	Prospect pit, dump, quartzite, pink-orange
L5-302	TO	05-Aug-95	15	T37N	R68E	Prospect pit, dump, calcite vein, white, 6" wide, cuts Simonson
L5-303	TO	05-Aug-95	11	T37N	R68E	Subcrop, Fe-gossan, ochre, 2-6" wide
L5-304	TO	05-Aug-95	11	T37N	R68E	Outcrop, Fe-gossan, ochre, lenses 1'x6"
L5-305	TO	05-Aug-95	11	T37N	R68E	Float, Fe-gossan, ochre, 6" wide
L5-306	TO	05-Aug-95	11	T37N	R68E	Float, Fe-gossan/jasperoid, orange, white barite
L5-307	TO	05-Aug-95	11	T37N	R68E	Outcrop, Fe-gossan/jasperoid, orange-red
L5-308	TO	05-Aug-95	11	T37N	R68E	Subcrop, Fe-gossan/jasperoid, red-brown, white barite
L5-309	TO	05-Aug-95	11	T37N	R68E	Prospect pit, dump, Fe-gossan, 1'-2" wide
L5-310	TO	05-Aug-95	14	T37N	R68E	Float, Fe-gossan/jasperoid, ochre, 2" thick
L5-311	TO	06-Aug-95	13	T37N	R68E	Outcrop, chert/jasperoid, brown-grey, weak limonite
L5-312	TO	06-Aug-95	13	T37N	R68E	Outcrop, quartzite, brecciated, tan, weak limonite
L5-313	TO	06-Aug-95	14	T37N	R68E	Float, Fe-gossan, ochre, 2-4" thick
L5-314	TO	06-Aug-95	15	T37N	R68E	Subcrop, limestone-shale, orange-yellow, sheared, moderate limonite
L5-315	TO	06-Aug-95	15	T37N	R68E	Outcrop, limestone, sandy, yellow grey, sheared, weak limonite
L5-316	TO	07-Aug-95	22	T37N	R68E	Subcrop, Fe-gossan/jasperoid, ochre, <2" wide
L5-317	TO	07-Aug-95	23	T37N	R68E	Outcrop, Fe-gossan, ochre, 1"x6"
L5-318	TO	07-Aug-95	23	T37N	R68E	Outcrop, Fe-gossan, ochre, 1"x4"
L5-319	TO	07-Aug-95	24	T37N	R68E	Subcrop, altered dike, orange-yellow, latite?, argillic-sericitic alteration, no quartz, weak limonite
L5-320	TO	08-Aug-95	21	T37N	R68E	Outcrop, quartzite, yellow grey, sheared
L5-321	TO	08-Aug-95	21	T37N	R68E	Outcrop, bull quartz vein, white, 3" wide
L5-322	TO	08-Aug-95	28	T37N	R68E	Float, Fe-gossan, red brown, with grey dolomite
L5-323	TO	08-Aug-95	28	T37N	R68E	Float, Fe-gossan/jasperoid, ochre single boulder in drainage
L5-367	TO	17-Aug-95	9	T37N	R68E	Prospect pit, dump, bull quartz vein, white, 2" wide, limonite, parallel to bedding in green shale
L5-368	TO	17-Aug-95	9	T37N	R68E	Prospect pit, dump, bull quartz vein, white, 2" wide, limonite, parallel to bedding in green shale
L5-369	TO	17-Aug-95	9	T37N	R68E	Subcrop, mafic dike, olive grey, altered hornblende and feldspar
L5-370	TO	17-Aug-95	8	T37N	R68E	Prospect pit, dump, bull quartz vein, white, 6" wide, malachite and azurite
L5-371	TO	17-Aug-95	8	T37N	R68E	Outcrop, 2" bull quartz vein, white, malachite and chalcocite
L5-372	TO	17-Aug-95	8	T37N	R68E	Outcrop, 3" quartz vein, white, dense-opaline?
L5-373	TO	17-Aug-95	8	T37N	R68E	Outcrop, 3" bull quartz vein, white, discontinuous
L5-374	TO	17-Aug-95	16	T37N	R68E	Prospect pit, dump, 1-6" bull quartz vein, white, malachite-azurite-chalcocite
L5-375	TO	17-Aug-95	16	T37N	R68E	Prospect pit, dump, 1-6" bull quartz vein, white, malachite-azurite-chalcocite
L5-376	TO	17-Aug-95	16	T37N	R68E	Outcrop, 3" bull quartz vein, white, malachite-chalcocite
L5-377	TO	17-Aug-95	9	T37N	R68E	Prospect pit, dump, 2" bull quartz vein, white, malachite and chalcocite
L5-414	TO	21-Aug-95	4	T36N	R68E	Prospect pit, dump, siltstone, brecciated, weak limonite and hematite on fractures
L5-415	TO	21-Aug-95	4	T36N	R68E	Outcrop, rhyolite, red, brecciated, strong hematite, smokey quartz
P5-055	TO	01-May-95	3	T37N	R68E	Outcrop, quartzite, grey tan, mod limonite on slickened surfaces, local hem diss and in veinlets
P5-056	TO	01-May-95	4	T37N	R68E	Outcrop, quartzite, grey to tan, local white bull qtz veining, diss lim blebs, rare galena, slickened surfaces w/ str limonite
P5-057	TO	01-May-95	4	T37N	R68E	Shaft, dump, dolomite, grey, abun limonite blebs after sulfide, mod calcite veinlets
P5-058	TO	01-May-95	4	T37N	R68E	Outcrop, quartzite, tan to grey, wk diss lim blebs w/ local str lim stain
P5-059	TO	01-May-95	4	T37N	R68E	Prospect pit, outcrop, dolomite, grey to dk grey, mod lim & hem on surface & fractures, locally sheared
P5-060	TO	01-May-95	4	T37N	R68E	Outcrop, quartzite, tan to white, str limonite on smooth surface w/ rare slicks
P5-061	TO	01-May-95	4	T37N	R68E	Outcrop, quartzite, tan to white
P5-062	TO	01-May-95	8	T37N	R68E	Prospect pit, dump, white qtz vein, local malachite chalcocite & lavender amorphous silica(?) coating
P5-063	TO	01-May-95	9	T37N	R68E	Adit, dump, white qtz vein, locally w/ dolomite breccia fragments, rare malachite
P5-064	TO	01-May-95	9	T37N	R68E	Adit, dump, white qtz vein, mod to str azurite & malachite, minor chalcocite, sheared dolomite walls, minor limonite
P5-065	TO	01-May-95	9	T37N	R68E	Prospect pit, dump, grey dolomite cut by white qtz veins up to 1/2", wk limonite in walls
P5-066	TO	01-May-95	9	T37N	R68E	Shaft, dump, white qtz vein, abun diss malachite blebs, minor yellow-green amorphous mineral
P5-067	TO	01-May-95	9	T37N	R68E	Adit, dump, white qtz vein, abun malachite & green-yellow amorphous mineral, minor limonite on fractures

TOANO RECON - 1995 ROCK DESCRIPTIONS

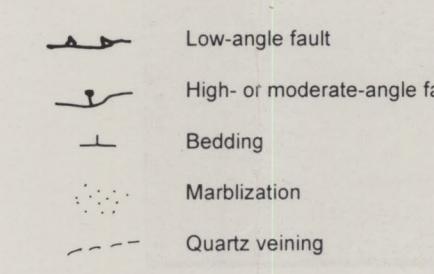
Sample Number	Area	Date	Sec	Twnsp	Range	Description
P5-068	TO	01-May-95	8	T37N	R68E	Adit, dump, white qtz vein, abun malachite, mod chalcocite azurite & yellow-green amorphous mineral
P5-150	SZ	21-May-95	8	T35N	R68E	Subcrop, bull quartz vein, white, mod lim, minor hem on fractures, sericite booklets up to 1/4" on fractures
P5-151	SZ	21-May-95	8	T35N	R68E	Prospect dump, bull quartz vein, white, mod hem on fractures, sheared galena, mod sericite
P5-152	SZ	21-May-95	9	T35N	R68E	Outcrop, bull quartz vein, white, mod lim/hem on fractures, mod sericite on fractures
P5-153	SZ	21-May-95	9	T35N	R68E	Prospect dump, granodiorite, lt green to green, limonite after py cubes up to 1/4", mod diss sericite, mod-str limonite
P5-154	SZ	21-May-95	9	T35N	R68E	Trench dump, granodiorite, green-grey, mod-str limonite, minor diss sericite
P5-155	SZ	21-May-95	9	T35N	R68E	Prospect dump, bull quartz vein, white, str lim w/ some hem on fractures, local lim blebs after sulfide, sericite on fractures
P5-156	SZ	21-May-95	9	T35N	R68E	Prospect dump, bull quartz vein, white, vuggy w/ lim-covered drusy xts, diss lim after py cubes, local sericite, mod-str lim on fractures
P5-157	SZ	21-May-95	9	T35N	R68E	Prospect dump, quartz vein material, blue-grey, wk to mod limonite on fractures w/ local hematite
P5-158	SZ	21-May-95	9	T35N	R68E	Prospect dump, limestone, tan red maroon, mod limonite on fractures w/ local hematite
P5-159	SZ	21-May-95	9	T35N	R68E	Prospect dump, limestone, green-grey lt green tan, shaley, calcite-cpy-malachite on fractures, ls locally marbley
P5-160	SZ	21-May-95	9	T35N	R68E	Prospect dump, bull quartz vein, white, locally vuggy, wk to mod lim w/ local hem on fractures, limonite after sulfide blebs
P5-161	SZ	21-May-95	9	T35N	R68E	Prospect dump, bull quartz vein, white, minor limonite on fractures, rare gal-cpy-py
P5-162	SZ	21-May-95	9	T35N	R68E	Shaft dump, bull quartz vein, white, mod hem & lim on fractures, minor galena, rare peacock stain
P5-163	SZ	21-May-95	9	T35N	R68E	Prospect dump, bull quartz vein, white, wk to mod lim on fractures w/ local hematite
P5-164	SZ	21-May-95	16	T35N	R68E	Prospect dump, bull quartz vein, white, cutting bleached intrusive, drusy, minor py-cpy-mal
P5-165	SZ	21-May-95	10	T35N	R68E	Prospect dump, bull quartz vein, white, minor lim on fractures, local galena, mod lim after py cubes
P5-166	SZ	21-May-95	10	T35N	R68E	Prospect dump, bull quartz vein, white gal-py, lim & hem on fractures
P5-167	SZ	21-May-95	10	T35N	R68E	Prospect dump, calcareous siltstone/shear zone, orange-brown, str limonite
P5-168	SZ	21-May-95	5	T35N	R68E	Prospect dump, bull quartz vein, white, mod lim on fractures w/ local hem
P5-169	SZ	22-May-95	28	T35N	R68E	Prospect outcrop, calcite-quartz vein, limonite lenses, 6-8" thick
P5-170	SZ	22-May-95	28	T35N	R68E	Shaft dump, bull quartz vein, white to clear, minor calcite, rare malachite & chalcocite, vein up to 1' wide
P5-171	SZ	22-May-95	28	T35N	R68E	Outcrop, limestone, grey & orange-brown, zebra banded, mod lim stain, minor calcite veining
P5-172	SZ	22-May-95	21	T35N	R68E	Prospect dump, bull quartz vein, white, minor limonite, local lenses of fractured limonite, local sericite
P5-173	SZ	22-May-95	21	T35N	R68E	Prospect dump, bull quartz vein, white blue-grey, wk lim, abun sericite on fractures
P5-174	SZ	22-May-95	21	T35N	R68E	Prospect outcrop, sericitic shear zone, diss lim after py
P5-175	SZ	22-May-95	21	T35N	R68E	Adit dump, bull quartz vein, white, wk limonite, locally vuggy
P5-176	SZ	22-May-95	21	T35N	R68E	Adit dump, limestone to siltstone, grey brown orange-brown, mod-str limonite
P5-177	SZ	22-May-95	21	T35N	R68E	Outcrop, granodiorite, white-grey, mod limonite veinlets, str lim on fractures
P5-178	SZ	22-May-95	22	T35N	R68E	Outcrop, calcite vein, white pink, locally hematitic, cutting white-tan marble
P5-179	SZ	22-May-95	3	T35N	R68E	Subcrop, quartz sandstone?, red maroon, str limonite w/ diss lim after py cubes
P5-180	SZ	22-May-95	3	T35N	R68E	Outcrop, bull quartz vein, white, locally brecciated w/ siltstone clasts
P5-181	SZ	22-May-95	3	T35N	R68E	Subcrop, siltstone, dk grey to black, mod hematite on fractures, decalcified limestone ??



EXPLANATION

Quaternary	Qs	Surficial Deposits
Tertiary	Ts	Salt Lake Formation Volcanics
	Tv	Volcanic Rocks Undivided
	Td	Diorite Dike
	Tr	Rhyolite Dike
	Tcp	Castle Park Pluton
Permian	Pgr	Grandeour Formation
	Pic	Trapper Creek Formation
	Pe	Ely Group
Mississippian	Mcd	Chairman-Diamond Peak Formations
Devonian	bx	Silicified Breccias
	Dg	Gulfmette Limestone
	Ds	Simonsen Dolomite
Devonian-Silurian	DSI	Lone Mountain Dolomite
Silurian	Sr	Roberts Mountains Formation
Silurian-Ordovician	SOle	Laketown Dolomite-Ely Springs Dolomite
Ordovician	Oe	Eureka Quartzite
	Ol	Lehman Formation
	Ok	Kanosh Shale
	Og	Garden City Formation
Cambrian	En	Notch Peak Formation
	Co	Orr Formation

SYMBOLS



Grid based on Nevada coordinate system east zone
Geology modified from Glick (1987)

N



SCALE: 1:24,000
0 2000 4000 6000 FEET

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

TOANO PROJECT

Elko County, Nevada

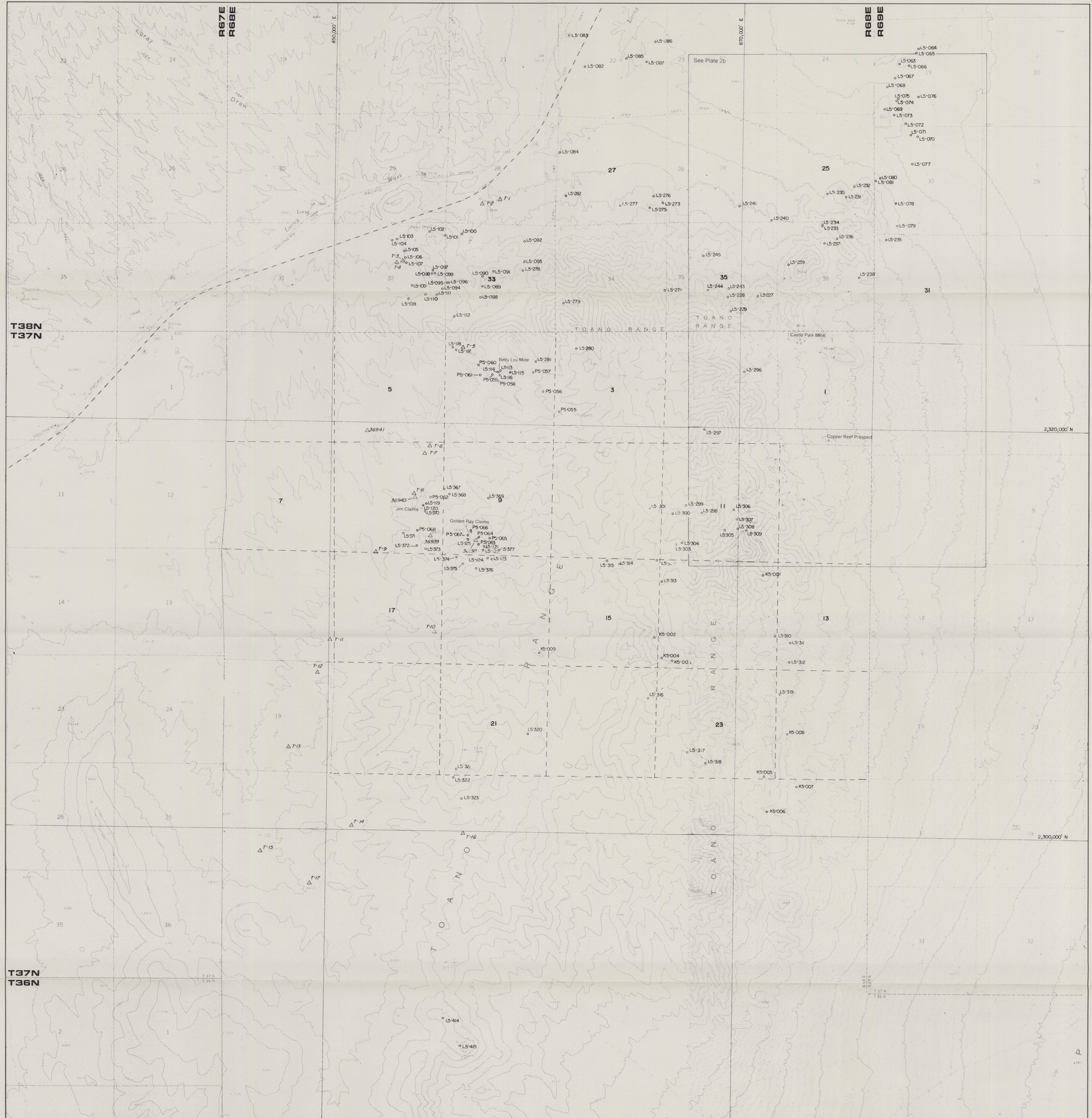
GEOLOGY

DATE	SCALE	MAP BY	PLATE I
December 1995	1:24,000	FWL	

00500093

FLG

ITEM 150



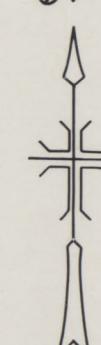
Grid based on Nevada coordinate system east zone.

Lexam has 75% mineral rights in sections with bold numeral.

EXPLANATION

- Rock Sample Location
- △ Heavy Mineral Stream Sediment Sample Location

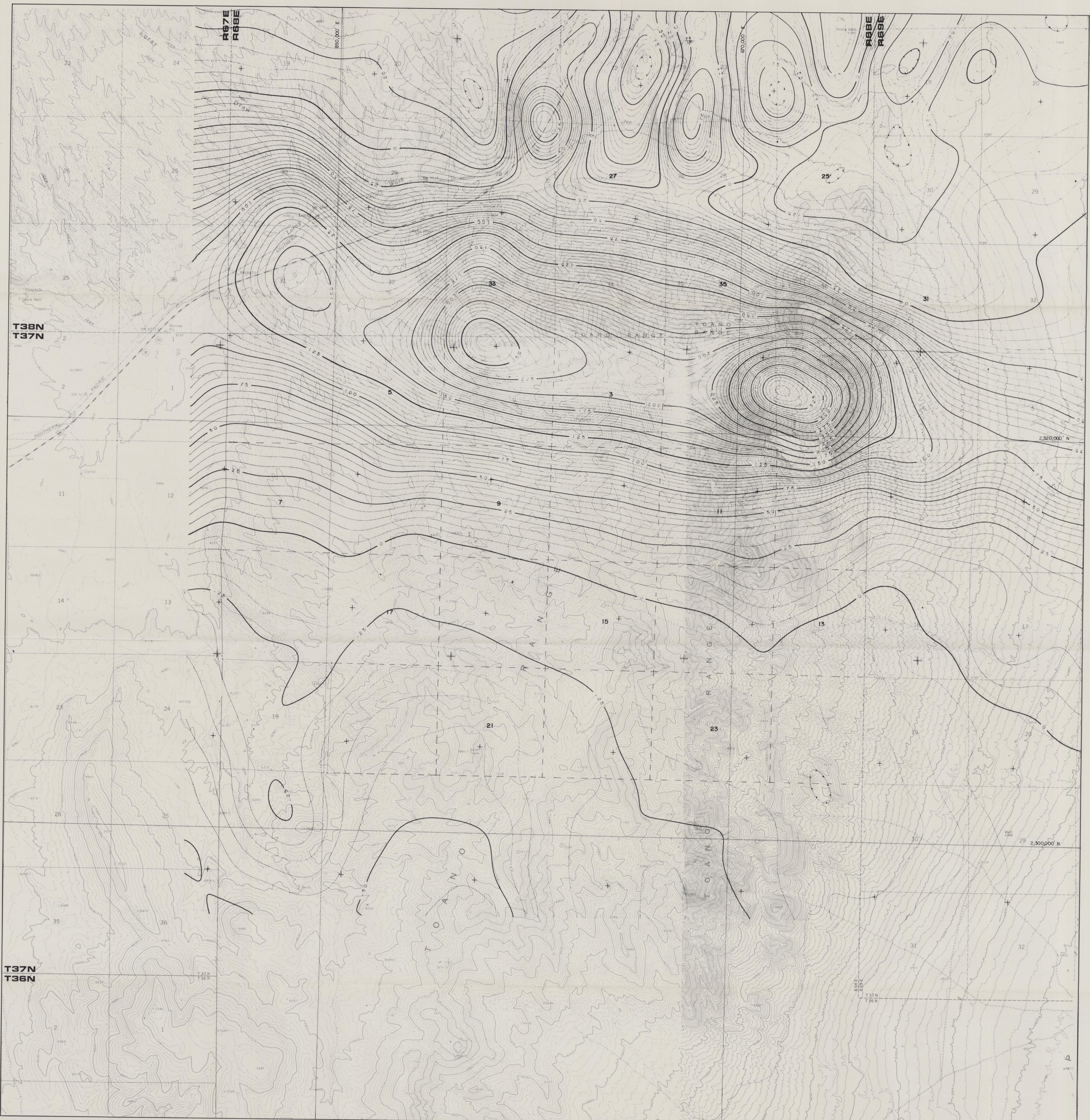
N



SCALE: 1:24,000
0 2000 4000 6000 FEET

LEXAM EXPLORATIONS (U.S.A.) INC.			
TOANO PROJECT			
Elko County, Nevada			
SAMPLE LOCATIONS			
DATE	SCALE	MAP BY	PLATE
Sept, 1995	1" = 2,000'	FWL	2a

0050 0093 FIG
ITEM 150



Grid based on Nevada coordinate system east zone

Lexam has 75% mineral rights in sections with bold numeral.

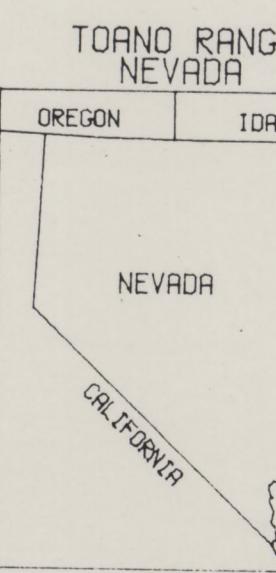
MAPPED DATA PARAMETERS

CONTOUR INTERVAL: 5.0 GAMMAS
DATA GRID INTERVAL: 100 METERS

MAGNETIC FIELD PARAMETERS
AT 41° 7.5' N, 114° 15' W, 2000M A.S.L.
MAGNETIC INCLINATION: 66.3° NORTH
MAGNETIC DECLINATION: 15.2° EAST
TOTAL MAGNETIC FIELD: 54188 GAMMAS
IGRF MODEL: IGRF85A UPDATED

AIRBORNE SURVEY PARAMETERS

TRaverse LINE SPACING: 1/4 MILE (E-W)
TIE LINE SPACING: 1.0 MILE (N-S)
MEAN TERRAIN CLEARANCE: 400 FEET
SURVEY DATE: MAY 1989



TOANO RANGE
NEVADA
OREGON IDAHO
NEVADA
CALIFORNIA
UTAH

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

TOANO PROJECT

Elko County, Nevada

POLARIZED MAGNETIC INTENSITY

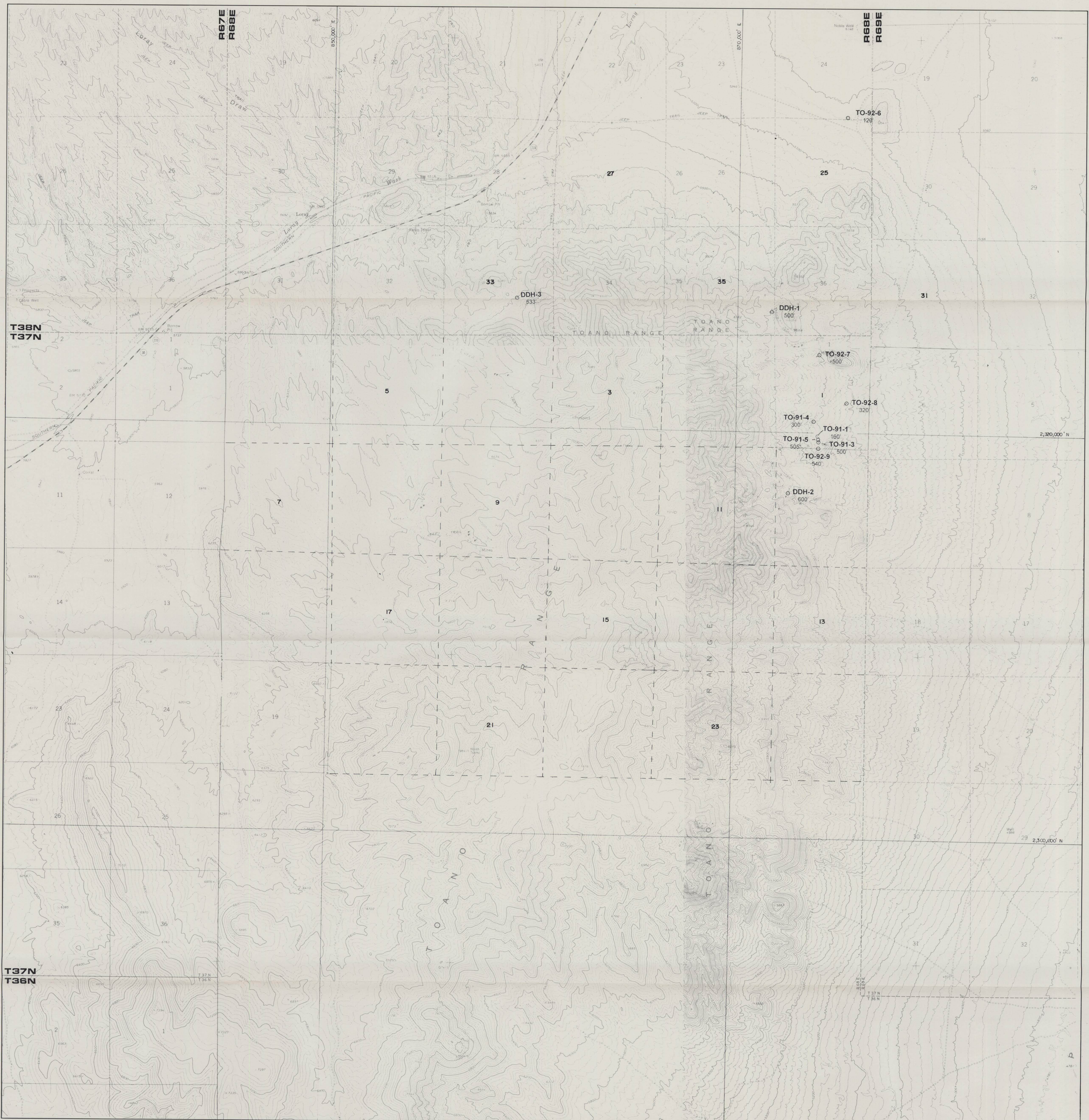
DATE Sept, 1995	SCALE 1' = 2,000'	MAP BY FWL	PLATE 3
-----------------	-------------------	------------	---------

SCALE: 1:24,000
0 2000 4000 6000 FEET

0050 0093

E1G

ITEM 150



EXPLANATION

○ Drill Hole Location

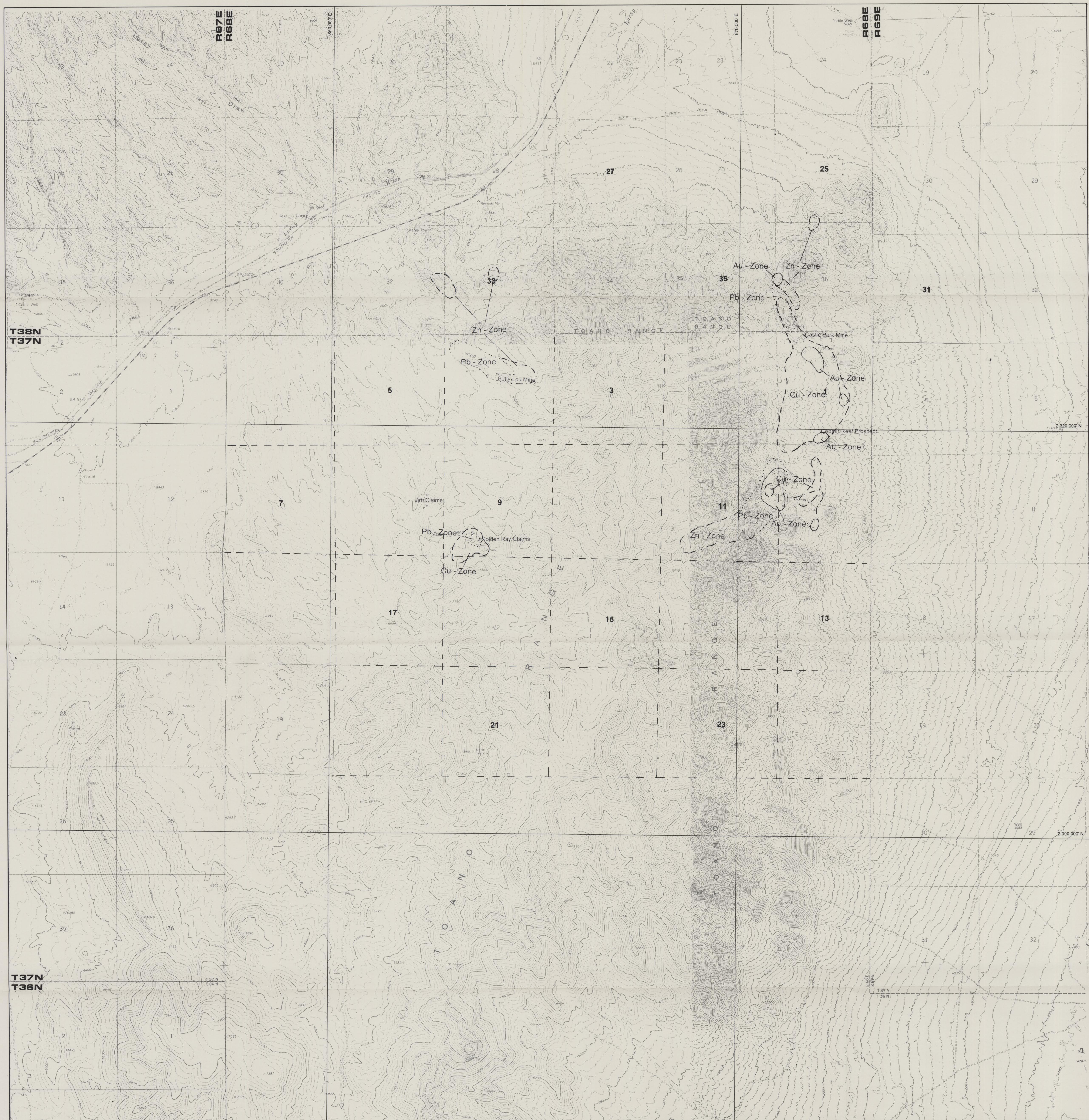


SCALE: 1:24,000
0 2000 4000 6000 FEET

LEXAM EXPLORATIONS (U.S.A.) INC.			
TOANO PROJECT			
Elko County, Nevada			
DRILL HOLE LOCATIONS			
DATE Sept., 1995	SCALE 1" = 2,000'	MAP BY FWL	PLATE 4

00500093

ELG
ITEM 150



EXPLANATION

- Cu - Zone
- Pb - Zone
- - - Zn - Zone
- Au - Zone



SCALE: 1:24,000
0 2000 4000 6000 FEET

LEXAM EXPLORATIONS (U.S.A.) INC.	
TOANO PROJECT	
Elko County, Nevada	
ELEMENT ZONING	
DATE Sept. 1995	SCALE 1' - 2,000'
MAP BY FWL	PLATE 5

00600093 E16
ITEM 150



Grid based on Nevada coordinate system east zone

Geology modified from Glick (1987) and Pilger (1972)

Lexam has 75% mineral rights in sections with bold numeral

EXPLANATION

Quaternary	Qs	Surficial Deposits
Jurassic	Jg	Silver Zone Pass Pluton
Silurian-Ordovician	SOle	Laketown Dolomite-Ely Springs Dolomite
Cambrian	En	Notch Peak Formation
	Cc	Clifside Limestone
	Ct	Toano Limestone
	Ek	Killian Springs Formation
	Ec	Undivided Carbonate Rocks
Camb-Proterozoic	EzP	Prospect Mountain Quartzite

SYMBOLS

- Low-angle fault
 - High- or moderate-angle fault
 - Landslide
 - Gravity Slide Block
 - Bedding
 - X — Quartz veining
 - Dotted line — Sericitic Alteration
- Scale 1:24,000
- 0 2000 4000 6000 Ft

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

TOANO PROJECT SILVER ZONE PASS AREA

Elko County, Nevada

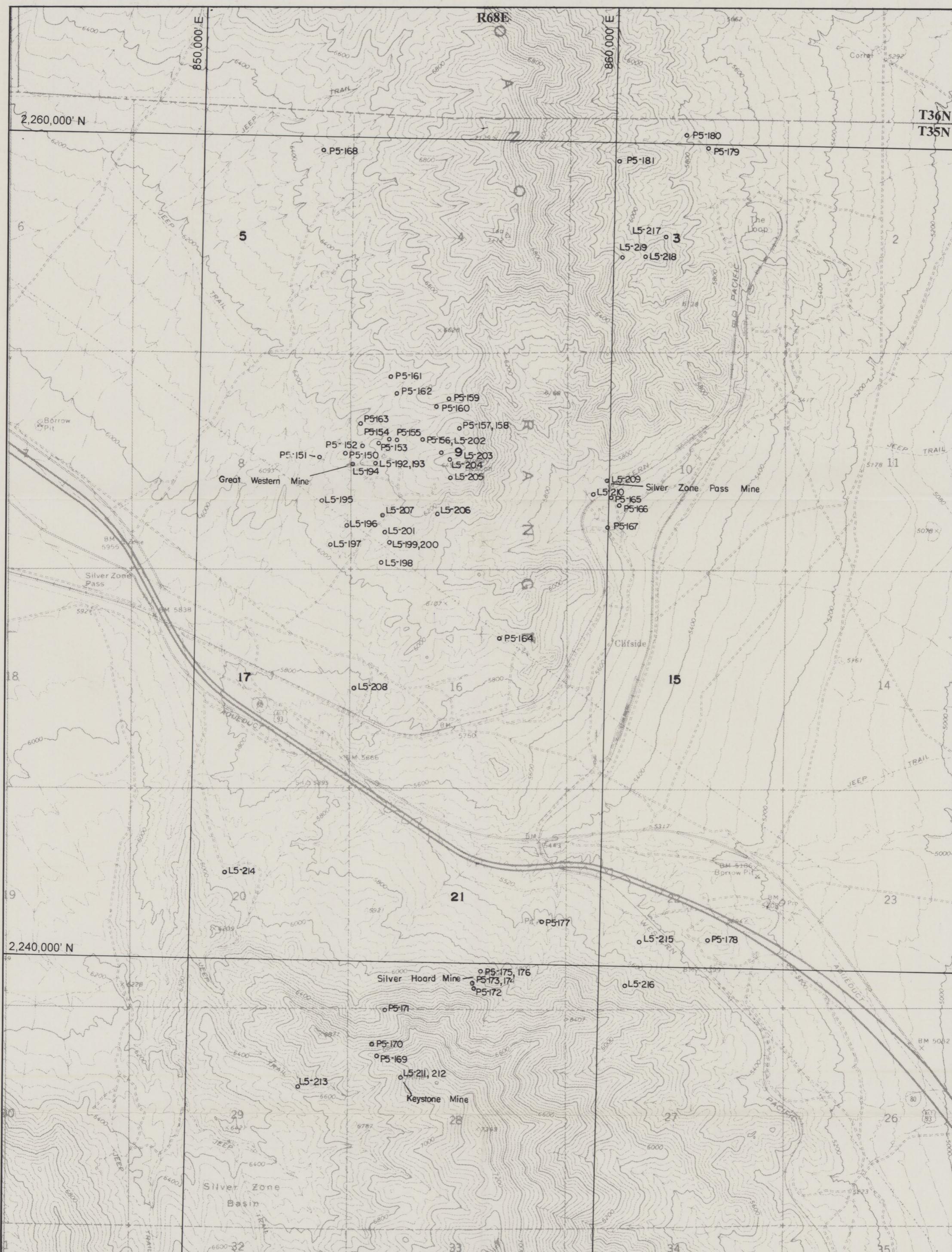
GEOLOGY

DATE	SCALE	MAP BY	PLATE
December 1995	1:24,000	FWL	6

0050 0093

ELG

ITEM 150



Grid based on Nevada coordinate system east zone

Lexam has 75% mineral rights in sections with bold numeral

EXPLANATION

- Rock Sample Location

Scale 1:24,000
0 2000 4000 6000 Ft



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

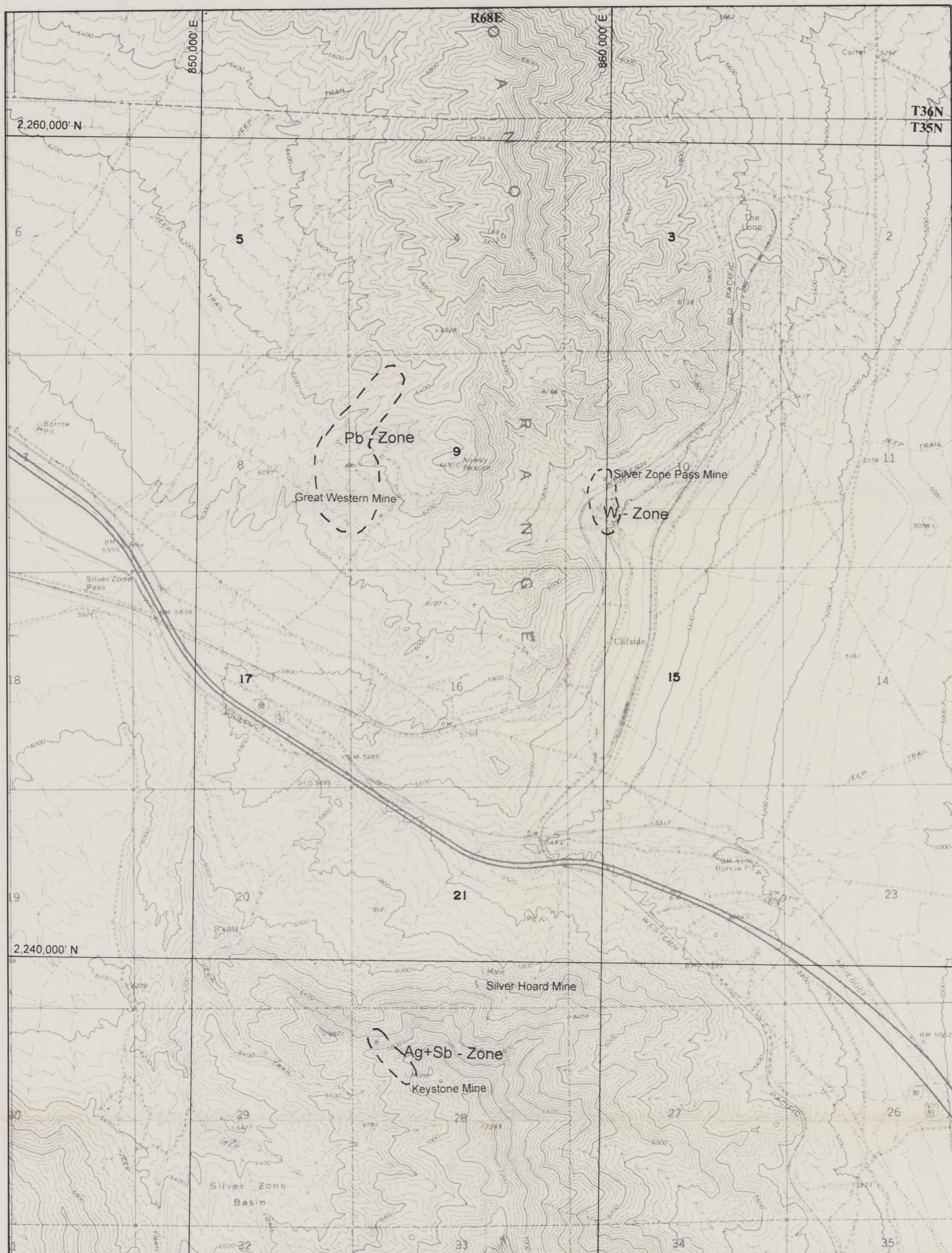
TOANO PROJECT SILVER ZONE PASS AREA

Elko County, Nevada

SAMPLE LOCATIONS

DATE	SCALE	MAP BY	PLATE
December 1995	1:24,000	FWL	7

00500093 ELG
ITEM 150



Grid based on Nevada coordinate system east zone

Lexam has 75% mineral rights in sections with bold numeral

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

TOANO PROJECT
SILVER ZONE PASS AREA

Elko County, Nevada

ELEMENT ZONING

Scale 1:24,000

0 2000 4000 6000 Ft

DATE December 1995	SCALE 1:24,000	MAP BY FWL	PLATE 8
-----------------------	-------------------	---------------	------------



00500093

ELG
ITEM 150