



ASSESSMENT REPORT

DRILL CORE RE-EVALUATION
AND
GEOCHEMICAL ANALYSIS

RED TOP 1-6 CLAIMS

YC09143-YC09148
NTS: 105 D 06
LAT 60 20' LONG 135 05'

WHITEHORSE MINING DISTRICT
YUKON TERRITORY

Work Performed: June 01-04, 1999

Prepared by: Michael Glynn
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Phone: 867-633-3418

For: **Sidehill Enterprises Ltd.**
Whitehorse, Yukon

January, 2000

094136

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 2400.00.

M. But
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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INTRODUCTION

This project was made possible by the Yukon Mining Incentives Program as administered by the Geology Branch of Economic Development, Government of Yukon. The Author gratefully acknowledges the technical and financial support that this Program, and the Geology Branch in general offers to Prospectors and Mining in the Yukon.

LOCATION

The Red Top claims are situated in the Whitehorse Mining District NTS 105 D 06 approximately 45 kilometres south of Whitehorse, in the southern Yukon. The property is on Red Ridge, south of the Watson River, in an area commonly referred to as the Wheaton River District. Geographic coordinates for the property are as follows:

LAT: 60 degrees 20 minutes LONG: 135 degrees 05 minutes

ACCESS

Seasonal 4x4 road access from km 12 of the Annie Lake Road is possible on an unmaintained trail for 8 kilometres. This trail is subject to spring washout in one location however, in past years hand shoveling for one hour is all that has been required to repair the trail for the season. The entire property is accessible by ATV either on the existing cat trails or cross-country in the alpine. Total road distance from Whitehorse is approximately 110 kilometres, a traveling time of two hours. Helicopter charters are available at Whitehorse, 45 kilometres north of the property.

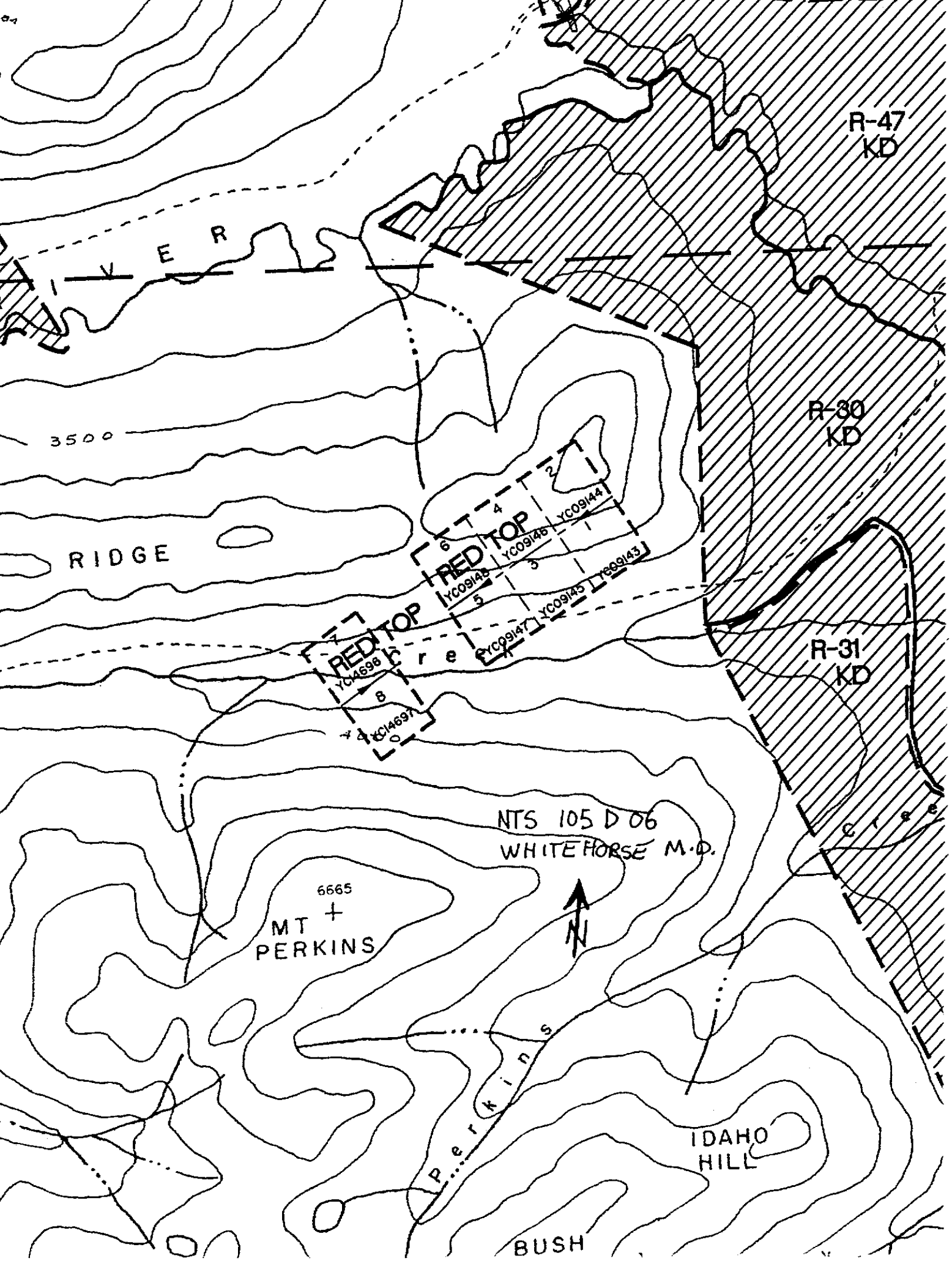
TOPOGRAPHY AND VEGETATION

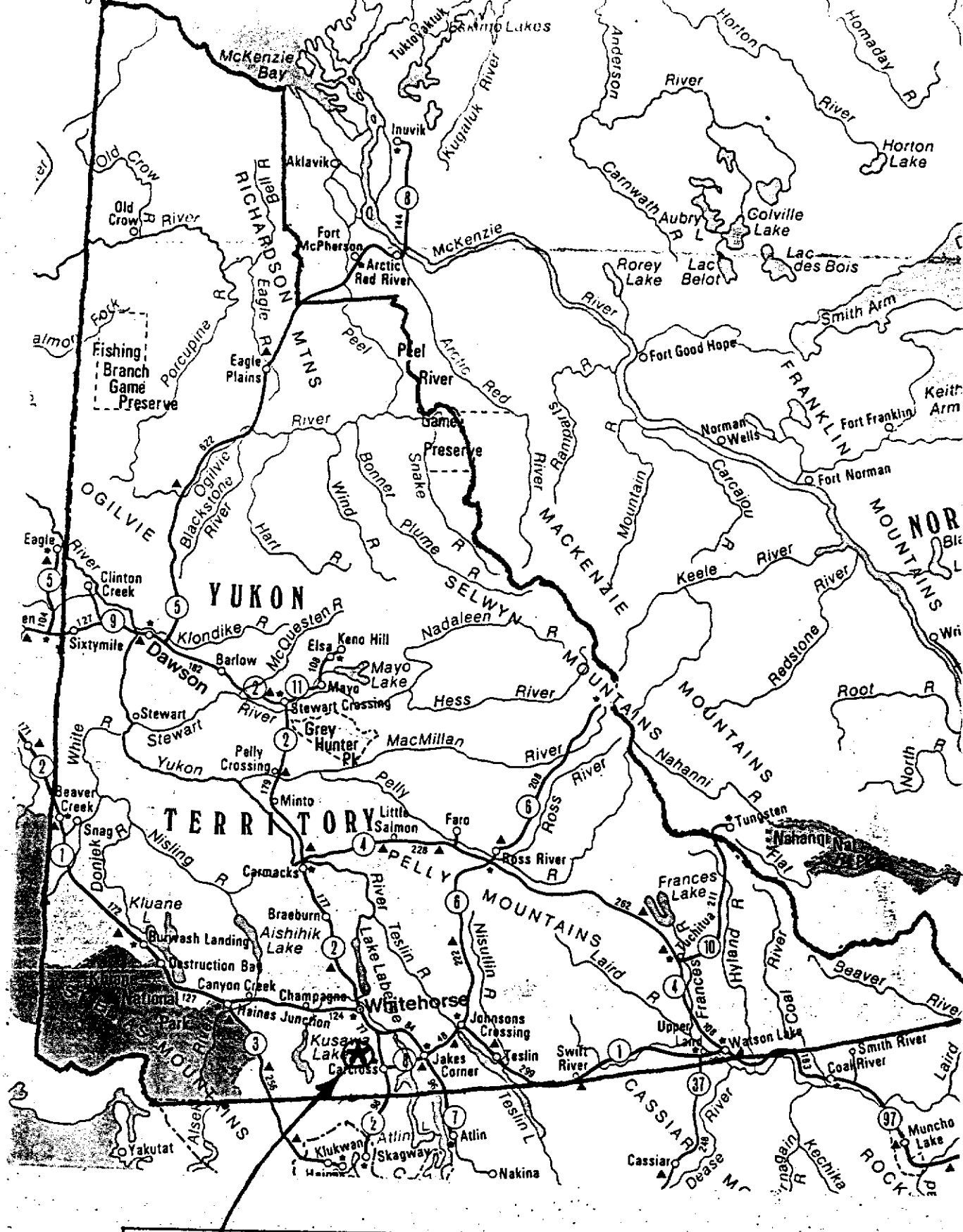
Elevations on the claims range from 3500 to 5000 feet. The majority of the property is above treeline on moderate or gentle south facing slopes. Alpine vegetation consists of grasses, sedges and occasional patches of dwarf willow and buck brush. Sparse growths of poplar occur at lower elevations in the vicinity of Red Top 5. The central portions of Red Top 1-4 are located on a gently sloping saddle near the eastern most end of Red Ridge.

OWNERSHIP AND STATUS

Claim Name/No.	Grant Numbers	Expiry Date*	Owner
Red Top 1 – 6	YC094143 – YC09418	10/26/03	Sidehill Enterprises Ltd.

*Subject to acceptance of assessment work described in this report





EXPLORATION HISTORY

The area now covered by the Red Top claims was previously staked as the PCG and Four F claims which were held by New Era Developments from 1987 until 1992. During 1988/1989 13 excavator trenches, road building, and a total of 1517 metres of diamond drilling in 23 holes explored the area. Highlights of this exploration program include 4.0 g/t Au and 75.0 g/t Ag over 0.73 metres and 3.4 g/t Au with 340.8 g/t Ag over 0.76 metres (YUKON MIN FILE #224) Further details of this exploration program are contained in assessment report # 092736 by R.Tim Henneberry for New Era Developments.

REGIONAL GEOLOGY

The Red Top claims are located near the eastern limit of the Coast Plutonic Complex. The Coast Plutonic Complex is composed of Jurassic to Cretaceous Granitic rocks that intrude metamorphosed Mesozoic sedimentary and volcanic rocks of the Lewes River Group. Tertiary andesite and rhyolite flows associated with the Skukum Volcanic Complex unconformably overlie these rock units. The main structural feature in region is the steeply dipping, north-northwest trending Tally Ho Shear Zone. This shear zone is believed to be related to, and possibly a northern extension of the Lewellyn Fault. In a regional sense, precious metal mineralization is spatially related to Skukum Group intrusives and occurs in shear zones and quartz/carbonate veins.

PROPERTY GEOLOGY

The Red Top claims are underlain by Mesozoic to Triassic volcanic and sedimentary rocks that have been intruded by Cretaceous granodiorite. Both of these rock units are in turn intruded by Tertiary rhyolite and andesite dykes.

Mesozoic mafic to intermediate basaltic andesite flows, tuffs and, to a lesser degree breccias occur along the western edge of the property. At this location these volcanics are in fault contact with other Mesozoic sediments, and intruded by granodiorite forming a large, prominent gossan on the southern slope of Red Ridge.

Dark to medium green andesite flows and breccias of the Lewes River Group underlie the remainder of the property. These volcanics are locally sheared, forming chlorite schist, and are both intruded and in fault contact with the underlying (?) Cretaceous granodiorite.

Tertiary rhyolite and andesite dykes intrude all rock types on the property. The dykes dip steeply and trend in a north-south direction, parallel to and occupying portions of the shears. There is a strong spatial relationship between vein style mineralization found on the property and some of the dykes.

1999 EXPLORATION PROGRAM

INTRODUCTION

In September 1998 an examination of the accessible portions of the drill core stored from the 1988/89 Diamond Drill Program identified numerous, potentially mineralized, un-sampled intervals. A study of the drill logs identified un-sampled intervals, either adjacent to or, similar to samples, which reported anomalous gold/silver values. The Red Top claims were staked in October 1998 to cover the area diamond drilled and trenched in 1988/89.

EVALUATION OF DRILL CORE

A total of 45 intervals were selected from 13 of the 23 diamond drill holes by reviewing the drill logs and assay results. The majority of these samples are adjacent to previously assayed core sections, which returned gold values in the one to three grams per tonne range. Numerous argillic and siliceous alteration aureoles adjacent to rhyolite and/or andesite dykes were also sampled. In reviewing the drill logs it appears that the 1988/89 sample interval selections were biased towards quartz veins and veinlets.

The program commenced on June 01, 1999 by mobilizing to the core racks and establishing camp. The existing core racks had failed in a manner, which had pinched the core trays, thus preventing spillage but rendering all but the top layers accessible. The core racks were systematically "de-constructed" with the aid of jacks and chains. In some cases positive identification of drill hole footage was hampered by past vandalism and/or the weathering of marker pen labels. In such situations, where core footage was questionable, no samples were taken. Sections of core which are composed of highly argillic materials (gouge zones) had been completely eroded from the boxes by rains and snowmelts. Due to these factors, only 30 of the 45 identified core intervals were split and submitted for assay. All sample interval selections were checked against the 1988/89 drill logs and recorded therein. A total of seven person days were spent removing the core from the existing racks; determining hole footages; examining /selecting, splitting/sampling and storing the core boxes.

RESULTS

All 30 core samples were submitted for 30 element ICP analysis to Acme Analytical Laboratories of Vancouver, B.C. Gold values were determined by fire assay; Aqua-Regia/MIBK extract, GF/AA finished. These Geochemical assay results can be found in the back of this report. 19 of the samples returned anomalous gold values. A five foot interval from DDH SR88-18 (sample R9921) returned a gold value of 2120 ppb. The subsequent ore grade fire assay of pulp from this sample returned 2.34 gm/t.

During the 1988/89 Exploration Program DDH SR88-12 was drilled at minus 45 degrees, azimuth 78 degrees into the Saddle Shear. The Saddle Shear was encountered at 71 feet, marked by argillic, limonitic and silicified granodiorite and a narrow rhyolite dyke. From 87.0 to 89.4 feet an oxidized, vuggy zone with sub-parallel quartz veinlets, limonite stain and, weathered sulphide vugs was intersected. A sample (#57695) of this material taken during the 1988/89 exploration program returned 2.4 feet of 3.97 g/t gold. The 1999 evaluation sampled (99R21) a five foot interval (82 to 87 feet) of silicified, fractured, limonitic granodiorite directly up hole and adjacent to the 1988/89 sample #57695. Sample 99R21 assay results are 2.34 g/t therefore, the weighted average of this intersection is 2.87 g/t over 7.4 feet. This location is now covered by the Red Top 1 and 2 claims.

CONCLUSIONS

1. A new gold bearing zone has been identified in DDH SR88-12
2. The Saddle Shear Zone may host other such mineralization of precious metals.
3. The 1988/89 drill core sampling selection was biased towards quartz veins and veinlets.

RECCOMENDATIONS

1. The Red Top 1-6 claims should be maintained in good standing.
2. Further prospecting and sampling should be carried out on the western portion of the claims to follow up previously identified gold in soil anomalies.

STATEMENT OF EXPENDITURES

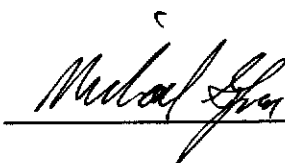
June 01-04, 1999

Transportation	220 km x \$0.42	\$ 92.40
Living Expenses	7 person days x \$35	\$ 245.00
Assays	Acme Analytical Laboratories	
	Inv. # 9901684	\$ 537.68
	Inv. # 9901684R	\$ 18.99
Wages	M. Glynn 4 days x \$ 250	\$ 1000.00
	D. Sufady 3 days x \$ 250	\$ 750.00
Report	Writing, printing, copies and binding	\$ 250.00
	Total Expenditures	<u>\$ 2,894.07</u>

STATEMENT OF QUALIFICATIONS

I, Michael Damian Glynn, of Whitehorse Yukon, mailing address – P.O. Box # 5745 Whitehorse Yukon Y1A 5L5, declare that:

1. I am the author of this report.
2. I did personally supervise or carry out the work described in this report on the Red Top #1 - #6 claims, Whitehorse M.D. during June 01 – 04, 1999.
3. I successfully completed the NWT Prospectors License course in 1974.
4. I successfully completed the Yukon Chamber of Mines advanced prospectors course in 1989.
5. I have been actively engaged in the mineral exploration industry, as a prospector, for nineteen years since 1974.
6. I am a Director and Officer of Sidehill Enterprises Ltd.



Michael Damian Glynn

AA
LL

GEOCHEMICAL ANALYSIS CERTIFICATE

AA
LL

Side Hill Enterprises PROJECT RED TOP 99/#1 File # 9901684

Box 5745, Whitehorse YT Y1M 5L5

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
R9901	2	11	31	23	<.3	12	6	292	.98	8	<8	<2	2	68	.8	<3	<3	9	2.39	.052	7	12	.11	123	<.01	<3	.31	.06	.13	<2	1
R9902	3	32	27	12	.3	11	4	275	.93	11	<8	<2	2	54	.2	<3	<3	10	2.15	.056	7	14	.08	112	<.01	<3	.45	.07	.21	<2	1
R9903	2	80	8	25	<.3	11	5	486	1.03	11	<8	<2	2	97	.6	<3	<3	9	3.99	.054	8	13	.16	156	<.01	4	.48	.03	.21	2	3
R9904	1	4	115	419	<.3	2	<1	3929	.99	54	<8	<2	5	46	6.8	<3	<3	1	.52	.019	24	5	.18	79	<.01	4	.71	.01	.37	<2	44
R9905	5	41	337	1073	6.7	67	15	4056	2.29	103	<8	<2	5	114	12.8	<3	<3	15	1.63	.051	19	75	.52	139	.01	4	1.23	.03	.40	<2	36
RE R9905	6	44	347	1095	6.7	66	16	4120	2.33	102	<8	<2	4	115	13.3	<3	<3	15	1.66	.054	19	78	.53	132	.01	9	1.28	.03	.42	<2	33
RRE R9905	5	41	341	1094	6.6	74	15	4122	2.34	105	<8	<2	5	115	12.8	<3	<3	15	1.66	.054	19	77	.53	139	.01	9	1.28	.02	.42	<2	32
R9906	38	60	1403	2547	11.5	2	3	2933	1.37	43	<8	<2	4	47	31.9	7	<3	4	1.21	.028	22	8	.35	69	<.01	6	.91	<.01	.39	<2	85
R9907	1	194	51	2702	2.2	36	11	2657	2.15	25	<8	<2	2	27	57.2	<3	<3	25	1.02	.076	11	39	.68	226	<.01	4	1.41	.02	.31	<2	9
R9908	1	103	48	578	2.1	15	8	1569	1.75	67	<8	<2	2	33	10.0	<3	5	24	2.05	.074	10	32	.60	167	.01	<3	1.24	.04	.36	<2	45
R9909	1	59	217	709	2.0	13	5	2084	1.57	82	<8	<2	6	44	6.7	<3	<3	17	1.38	.040	14	21	.80	84	<.01	<3	1.01	.02	.24	<2	127
R9910	<1	69	99	405	1.7	20	8	2449	1.78	52	<8	<2	3	73	5.0	<3	<3	25	2.56	.064	12	34	1.02	121	<.01	<3	1.22	.02	.31	<2	52
R9911	1	53	35	244	1.4	15	6	1435	1.53	321	<8	<2	3	72	1.3	<3	<3	21	3.53	.056	14	26	.42	249	<.01	<3	.75	.03	.23	<2	139
R9912	<1	13	5	16	<.3	4	3	509	1.29	7	<8	<2	2	87	<.2	<3	<3	21	2.54	.066	12	12	.17	117	<.01	6	.61	.07	.26	<2	2
R9913	2	28	326	554	1.5	8	7	4928	2.11	115	<8	<2	2	106	6.3	<3	<3	18	2.41	.071	6	10	.49	55	<.01	6	1.03	.01	.34	<2	90
R9914	<1	39	64	190	<.3	4	4	773	1.45	27	<8	<2	2	39	1.5	<3	6	11	1.33	.072	12	9	.29	168	<.01	5	.82	.03	.25	<2	7
R9915	<1	91	35	248	1.1	34	9	2845	2.17	71	<8	<2	4	109	3.3	<3	<3	33	3.23	.077	12	60	.69	89	.02	<3	1.23	.02	.46	<2	27
R9916	<1	143	38	99	3.1	6	4	1294	1.54	37	<8	<2	2	62	1.7	<3	<3	22	1.40	.067	14	13	.51	121	.01	5	.98	.04	.40	2	25
R9917	3	47	261	526	5.0	18	9	4821	4.03	457	<8	<2	2	103	6.2	<3	<3	45	1.71	.109	15	32	.97	34	.01	<3	1.43	.02	.25	<2	171
R9918	2	173	82	137	3.0	11	6	1847	1.78	27	<8	<2	3	129	2.7	<3	7	26	2.76	.075	13	15	.40	85	<.01	5	1.02	.03	.32	<2	32
R9919	4	38	319	183	1.2	4	2	1899	.81	13	<8	<2	3	121	3.7	<3	<3	8	2.43	.069	14	8	.16	84	<.01	<3	.61	.03	.30	2	55
R9920	2	75	74	477	4.5	7	5	1518	1.78	43	<8	<2	2	41	7.0	<3	<3	21	.79	.088	16	13	.50	128	<.01	<3	1.05	.03	.31	<2	9
R9921	2	100	817	633	9.5	6	3	2261	1.66	110	<8	2	2	20	7.9	<3	5	8	.40	.061	10	10	.15	88	<.01	4	.69	.01	.31	2	2120
R9922	1	203	18	247	.9	31	10	1188	2.86	27	<8	<2	3	68	2.3	<3	<3	36	1.40	.094	12	44	.49	107	.01	<3	1.47	.04	.31	<2	21
R9923	1	163	29	175	1.4	20	7	1275	1.47	31	<8	<2	2	83	2.9	<3	<3	16	1.36	.075	10	18	.52	161	<.01	<3	1.06	.02	.34	<2	78
RE R9923	2	174	30	187	1.5	20	7	1341	1.56	31	<8	<2	2	88	2.9	<3	5	17	1.43	.079	11	18	.55	173	<.01	<3	1.10	.02	.34	<2	75
RRE R9923	1	163	28	177	1.5	22	5	1276	1.48	31	<8	<2	2	83	3.2	3	<3	16	1.37	.075	10	17	.52	154	<.01	<3	1.05	.02	.32	<2	63
R9924	1	43	18	39	<.3	10	4	645	1.61	9	<8	<2	2	125	.4	<3	<3	44	2.25	.069	14	26	.61	88	.01	<3	.94	.06	.18	<2	3
R9925	1	186	41	127	.6	13	5	1135	1.47	11	<8	<2	<2	63	2.6	<3	<3	33	1.67	.060	8	31	.53	52	<.01	<3	.79	.05	.17	<2	7
R9926	1	26	169	671	1.0	8	6	1787	1.80	40	<8	<2	3	33	8.9	<3	<3	41	.56	.072	15	19	.64	99	<.01	<3	.95	.05	.22	<2	36
R9927	<1	8	<3	60	<.3	5	5	631	1.79	5	<8	<2	2	67	<.2	<3	<3	46	1.59	.074	15	20	.62	77	.01	<3	.84	.06	.16	2	2
R9928	1	17	11	48	<.3	11	9	654	2.39	16	<8	<2	3	105	<.2	<3	<3	74	3.32	.097	7	35	1.56	80	.10	<3	1.76	.20	.87	<2	7
R9929	2	52	29	124	1.1	13	9	487	1.98	19	<8	<2	3	67	2.1	<3	<3	57	2.44	.086	7	35	1.10	63	.07	<3	1.25	.13	.35	<2	82
R9930	1	12	4	31	<.3	8	7	532	1.63	7	<8	<2	4	83	<.2	<3	<3	49	3.76	.075	6	25	1.29	83	.08	3	1.27	.15	.49	2	3
STANDARD C3/AU-R	26	62	32	165	5.3	37	11	781	3.34	53	18	4	19	27	23.5	16	23	82	.56	.087	19	170	.62	143	.09	22	1.78	.03	.15	20	528
STANDARD G-2	2	2	5	42	<.3	8	4	535	2.07	<2	<8	<2	4	75	.5	<3	3	43	.67	.094	7	77	.62	237	.13	<3	.98	.10	.49	2	1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: CORE AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. (10 gm)

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 10 1999 DATE REPORT MAILED: June 15/99 SIGNED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data h FA

ACME ANALYTICAL LABORATORIES LTD.
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852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

ASSAY CERTIFICATE

Side Hill Enterprises PROJECT RED TOP 99/#1 File # 9901684R
Box 5745, Whitehorse YT Y1M 5L5

SAMPLE#

Au**
gm/t

R9921

2.34

AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: JUN 17 1999 DATE REPORT MAILED: *June 23/99* SIGNED BY: *C. Leong* TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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Our GST # 100035377 RT

**SIDE HILL ENTERPRISES**

Box 5745

Whitehorse, YT

Y1M 5L5

Inv.#: 9901684R

Date: Jun 22 1999

QTY	ASSAY	PRICE	AMOUNT
1	AU BY FIRE ASSAY FROM 1 A.T. SAMPLE @	10.75	10.75
	SURCHARGE FOR UNDER 10 SAMPLES PER BATCH		10.75
			7.00
			17.75
	GST Taxable		1.24
	7.00% GST		
	CAD \$		18.99

Project: RED TOP 99/#1

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Whitehorse, YT

Y1M 5L5

Inv.#: **9901684**

Date: Jun 15 1999

QTY	ASSAY	PRICE	AMOUNT
30	30 ELEMENT ICP + GEOCHEM AU (10 gm) ANALYSIS @	12.50	375.00
30	CORE SAMPLE PREPARATION @	4.25	127.50
			502.50
			7.00% GST
			35.18
			537.68
			CAD \$

Project: RED TOP 99/#1

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Appendix I

RED TOP 1-6 Claims

DIAMOND DRILL RECORD

1 of 3

Property : Red Ridge

EAST ZONE

Hole No. 5R88-01

Started : September 4, 1988

Finished : September 9, 1988

Logged By: W.Robb

Latitude 3645 Azimuth 000
Departure 374W Dip -90
Elevation -2.0 m Length 212 ft

From feet	To	Description	Number	From	To	Width opt	Au opt	Ag
0.0	4.0	OVERBURDEN						
4.0	5.4	ANDESITE DYKE Broken ground grey black dyke. Traces of pyrite						
5.4	7.8	GRANODIORITE Grey to limonite brown. Well brecciated and fractured. Groundmass and fracture chlorite. Fracture clays, limonite and carbonate. Locally silicified. Tr sulfides.						
7.8	8.0	FELSIC DYKE	4801	7.8	8.0	0.2	0.002	0.01
8.0	50.9	GRANODIORITE as 5.4 - 7.8						
		-> 16.9-17.0 - rusty fractured zone	4802	16.9	17.0	0.1	0.002	0.01
		-> 18.7-22.0 - slight potassic alteration, with several rusty fractures	4803	18.7	22.0	3.3	0.002	0.01
		-> 26.1-29.4 - Pyrite in 1-3 mm fractures	4804	26.1	29.4	3.3	0.002	0.01
		-> 31.3 - cement						
		-> 32.0-39.4 - Rusty fracture zones, minor pyrite in-filling	4805	32.0	36.9	4.9	0.002	0.01
			4806	36.9	42.0	5.1	0.002	0.01
		-> 45.6-49.5 - Rusty argillic altered zone	4807	45.6	49.5	3.9	0.002	0.06

Hole No. SR88-01

From	To	Description	Number	From	To	Width	opt Au	opt Ag
50.9	60.7	ANDESITIC DYKE						
		-> 49.5-52.0 - Rusty, limonite gouge zone	4808	49.5	52.0	2.5	0.006	<u>5.25</u>
		-> 52.7-54.0 - Limonite clay gouge zone	4809	52.7	54.0	1.3	0.002	0.13
		-> 56.4-60.7 - Clay gouge zone with dyke fragments	4810	56.4	60.7	4.3	0.002	0.41
60.7	62.0	FAULT						
		-> no core recovery						
62.0	126.2	GRANDIORITE						
		as 5.4 - 7.8						
		-> 62.0-65.3 - Argillic alteration and fault gouge	4811	62.0	65.3	3.3	0.002	0.04
		-> 65.3-66.8 - Rusty fractures	4812	65.3	66.8	1.5	0.002	0.04
		--> 66.8-69.2 - cement						
		-> 69.2-72.0 - Weak argillic alteration, Mn stain and limonite	4813	69.2	72.0	2.8	0.002	0.01
		--> 72.0 - cement						
		-> 73.5-77.4 - Argillic altered, small pockets of grey quartz, Mn stain and limonite	4814	73.5	77.4	3.9	0.002	0.04
		-> 77.4-82.0 - Weak argillic alteration, Mn stain and limonite	4815	77.4	82.0	4.6	0.002	0.01
		-> 82.0-87.0 - Mn stain and limonite. Fracture pyrite to 0.5%	4816	82.0	87.0	5.0	0.002	0.01
		-> 93.3-94.0 - 0.5% disseminated pyrite	4817	93.3	94.0	0.7	0.002	0.01
		-> 108.7-110.0 - Fractured Mn stained	4820	108.7	110.0	1.3	0.002	0.01
		-> 113.1 - 3cm quartz vein with chalcopryite, malachite and Mn stain. 60 ca	4821	113.1	113.2	0.1	0.002	0.01
126.2	128.2	ANDESITE DYKE 60 ca						
		-> with subparallel quartz veinlets						

Ho1e No. SR88-01

From	To	Description	Number	From	To	Width	opt Au	opt Ag
128.2	212.0	GRANODIORITE						
		as 5.4 - 7.8						
		-> 130.2-132.5 - Limonite, argillic shear zone	4822	130.2	132.5	2.3	0.002	0.01
		-> 139.7-141.1 - Limonite shear zone with quartz in-filling and malachite and Mn stain	4823	139.7	141.1	1.4	0.002	0.01
		-> 142.2-143.3 - Limonite, argillic shear zone	4824	142.2	143.3	1.1	0.002	0.01
		-> 152.0-153.6 - Limonite, argillic shear zone	4825	152.0	153.6	1.6	0.002	0.01
		-> 154.3-155.0 - Mn stained quartz veinlets with malachite 20 ca	4826	154.3	155.0	0.7	0.002	0.01
		-> 176.4-177.4 - Limonite, argillic shear zone	4827	176.4	177.4	1.0	0.002	0.01
		---> 212 feet EOH						

1 of 3

Hole No. SR88-02

Azimuth 135
Dip -90
Length 177 ft

Started : September 9, 1988
Finished : September 13, 1988
Logged By: R.T.Henneberry

Latitude 400S
Departure 374W
Elevation -1.5m

Azimuth 135
Dip -90
Length 177 ft

From	To	Description
feet		
0.0	20.0	CASING

Number	From	To	Width	opt Au	opt Ag
--------	------	----	-------	--------	--------

20.0 57.0 GRANODIORITE

Gray green to limonite brown. Well
brecciated and fractured.
Groundmass and fracture chlorite.
Fracture clays, limonite and
carbonate. Locally silicified. Tr
sulfides.

→ 20.0-20.5 - Fracture zone /
fault with minor clay gouge.

--> 22.0 - 4 inches of cement

- > 22.0 - 4 inches of cement
- > 25.0-33.0 - Fault. Subangular to subrounded pebbles and cobbles of granodiorite with limonite /chlorite. Minor gouge and Mn stain

--->35.3 - 2 inches of cement

-> 40.0-42.0 - Broken core with minor gouge

minor gouge
-> 43.0-45.0 - Broken core / fault

--> 43.7-43.8 - cement

--> 44.8-45.0 - cement

```

--> 44.8-45.0 - Cement
-> 45.0-47.0 - Limonite carbonate 25049 45.0 47.0 2.0 0.002 0.01
zone with chlorite and minor
clays. Carbonate veinlets at 35
ca. 2x weathered sulfides and
Mn stain

```

-->47.0 - 4 inches of cement

-->50.5 - 3 inches of cement

-> 42.0-52.0 - 1 foot lost

Hole No. SR88-02

From	To	Description	Number	From	To	Width	opt Au	opt Ag
20.0	57.0	GRANODIORITE (Continued)						
		-> 56.0-57.0 - Major Fault. Limonite and minor clays with granodiorite cobbles						
57.0	63.0	ANDESITE DYKE 60 ca	25050	56.0	59.0	3.0	0.002	0.01
		-> Continuation of Major Fault	25148	59.0	62.0	3.0	0.002	0.01
		through dyke	25149	62.0	63.0	1.0	0.002	0.03
		--> 52.0-62.0 - 4 feet lost						
63.0	152.0	GRANODIORITE						
		as 20.0-57.0						
		--> 62.0-72.0 - 5 feet lost						
		-> 81.0 - Broken core, fracture limonite, minor clay and Mn						
		-> 87.0-88.0 - Broken core / fault, fracture limonite						
		-> 97.3 - Broken core with minor gouge						
		-> 100.9 - Broken core with minor gouge						
		-> 104.2 - Broken core, no gouge						
		-> 106.0-108.0 - Silicified argillic zone. Fracture clays and limonite. 1%-2% disseminated pyrite	25150	106.0	107.0	1.0	0.002	0.01
		-> 108.0-128.0 - Weak limonite stain	4998	116.5	117.5	1.0	0.002	0.01
		-> 116.5-117.5 - Broken ground core / Fault, minor gouge	4999	124.0	125.0	1.0	0.050	0.01
		-> 124.3 - 3 inch quartz / alteration zone. Limonite and sulfide vugs. Tr sulfides.						
		-> 128.0-152.0 - Strong chlorite / silicified zone. No limonite	5000	137.5	138.5	1.0	0.002	0.01
		-> 137.5-138.5 - Limonite gouge zone with mn stain and quartz						

Box 5 112' - 116.5'

Box 4 5 117.5 - 119.5'

Hole No. SR88-02

From	To	Description	Number	From	To	Width	opt Au	opt Ag
152.0	161.5	ANDESITE DYKE well brecciated fracture zone with rounded cobbles of andesite and quartz diorite --> 157.0 - 2 inches of cement --> 152.0-162.0 - 4.5 feet lost						
NO ASSAY? 9.5^{FT}  								
161.5	177.0	GRANODIORITE as 20.0-57.0 -> 162.0-172.0 - EAST ZONE strongly oxidized with limonite, clay gouge and quartz. -> 164.5 - 5 inches of green clay gouge with quartz fragments and limonite --> 177.0 feet EOH	4910	162.0	165.0	3.0	0.002	0.25
			4911	165.0	168.0	3.0	0.002	0.04
			4912	168.0	172.0	4.0	0.002	0.14

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

EAST ZONE

Hole No. SR88-03

Started : September 16, 1988

Finished : September 18, 1988

Logged By: W. Robb

Latitude 3645
Departure 410W
Elevation -4.90m

Azimuth 135
Dip -90
Length 172 ft

From	To	Description	Number	From	To	Width	opt	Au	opt	Ag
0.0	12.0	CASING								
12.0	112.8	GRANODIORITE								
		Gray green to limonite brown. Well brecciated and fractured. Groundmass and fracture chlorite. Fracture clays, limonite and carbonate. Locally silicified. Tr sulfides.								
		-> 12.0-16.4 - Broken rusty zone with weak argillic alt. Abundant Mn stain. -> 5.00-5.36 - highly	4913	16.4	17.6	1.2	0.002		0.04	
		-> 16.4-17.6 - highly fractured with quartz veiled stockwork and Mn stain.	4914	22.0	23.4	1.4	0.002		0.07	
		-> 22.0-23.4 - Rusty zone with limonite vugs	4915	40.7	41.0	0.3	0.002		0.01	
		-> 40.7 - Small quartz vein with pyrite. Granodiorite shows weak propylitic alt.	4916	43.6	44.0	0.4	0.002		0.01	
		-> 43.6 - 1.2 cm quartz vein with weathered sulfide.								
		-> 44.0-52.0 - Zone of siliceous alt. with disseminated chalcopryrite	4917	46.1	46.5	0.4	0.004		0.01	
		-> 46.1-46.5 - type sample	4918	72.3	73.3	1.0	0.002		0.34	
		-> 52.0-62.0 - 3 feet lost								
		-> 72.3-73.3 - Siliceous limonite zone	4919	84.9	85.5	0.6	0.002		0.03	
		-> 84.9 - 1 cm quartz vein (30 ca) with malachite stain and chalcopryrite								

Hole No. SR88-03

From	To	Description	Number	From	To	Width	opt Au	opt Ag
12.0	112.8	GRANODIORITE (Continued)						
		-> 91.1 - 12 mm quartz vein (30 ca) with chalcopryrite	4920	91.1	91.8	0.7	0.002	0.01
		-> 102.0-112.8 - Siliceous with Mn stain						
		-> 110.0-110.9 - Rusty siliceous zone	4921	110.0	110.9	0.9	0.002	0.07
		-> 110.9-112.8 - Hornsfelsed, pervasive Mn stain. Disseminated chalcopryrite and pyrite.	4922	110.9	112.8	1.9	0.002	0.61
112.8	125.6	ANDESITE DYKE (30 ca)						
125.6	131.7	GRANODIORITE						
		as 12.0 - 112.8						
		-> 125.6-130.7 - Siliceous alt. with disseminated pyrite						
		-> 130.7-131.7 - Rusty siliceous zone with abundant mn stain	4923	130.7	131.7	1.0	0.002	1.14
131.7	134.5	ANDESITE DYKE						
134.5	146.5	GRANODIORITE						
		as 12.0 - 112.8						
		-> 144.3-146.5 - Argillic alt. with clay gouge	4924	144.3	146.5	2.3	0.002	0.06
146.5	155.4	ANDESITE DYKE						
		-> 147.8-149.0 - Well fractured with quartz in-filling	4925	147.8	149.0	1.2	0.002	0.06
		-> 153.0-153.8 - Well fractured with quartz in-filling	4926	153.0	153.8	0.8	0.002	0.01
155.4	172.0	GRANODIORITE						
		as 12.0 - 112.8						
		-> 158.4-160.1 - Argillic alt. with Mn stain and malachite	4927	158.4	160.1	1.7	0.002	0.04
		EAST ZONE at 144.3 - 160.1						
		--> 172 feet EOH						

DIAMOND DRILL RECORD

1 of 5

Property : Red Ridge

EAST ZONE

Hole No. SR88-04

Started : September 16, 1988

Finished : September 23, 1988

Logged By: W. Robb

Latitude 4475 Azimuth 090
Departure 493W Dip -60
Elevation -39.25m Length 292 ft

From	To	Description	Number	From	To	Width opt	Au opt	Ag
		feet						
0.0	6.0	OVERBURDEN						
6.0	7.0	GRANODIORITE Grey green to limonite brown. Well brecciated and fractured. Groundmass and fracture chlorite. Fracture clays, limonite and carbonate. Locally silicified. Tr sulfides.						
7.0	7.5	ANDESITE DYKE						
7.5	9.1	GRANODIORITE as 6.0-7.0 Minor argillic alteration						
9.1	13.0	ANDESITE DYKE						
13.0	14.3	GRANODIORITE as 6.0-7.0 Siliceous grading to weak argillic alteration						
14.3	15.0	ANDESITE DYKE						
15.0	16.9	GRANODIORITE as 6.0-7.0 Limonite staining						
16.0	17.4	ANDESITE DYKE						

Hole No. SR88-04

From	To	Description	Number	From	To	Width	opt Au	opt Ag
17.4	20.0	GRANODIORITE as 6.0-7.0 Siliceous alteration with limonite seams						
20.0	21.0	ANDESITE DYKE						
21.0	82.0	GRANODIORITE as 6.0-7.0 with siliceous alteration with limonite seams and zones. Minor chlorite. Pervasive Mn stain decreasing with depth to minor zones at bottom of section. Fracture pyrite. -->42.0-52.0 - 2 feet lost ->51.4 - 4 cm quartz vein 25 ca ->52.0-53.5 - broken granodiorite /quartz vein. Mn stain and malachite ->55.1-55.4 - Cross cutting quartz veinlets ->58.1-58.6 - Malachite stained granodiorite. Minor Mn stain ->81.0-82.5 - Hornfelsed, siliceous zone with quartz veinlets at 0 ca	4828 4829 4830 4831 4832	51.0 52.0 55.1 58.1 81.0	52.0 53.5 55.5 58.6 82.5	1.0 1.5 0.4 0.5 1.5	0.002 0.002 0.028 0.004 0.004	0.01 0.42 0.01 0.01 0.01
82.0	83.8	ANDESITE DYKE 1% disseminated pyrite						
83.8	101.0	GRANODIORITE as 6.0-7.0 but blocky throughout this section. Pervasive Mn stain. ->97.1-101.0 - VANCE ZONE ->Weak argillic alteration with pervasive Mn stain and limonite fractures	4833	97.1	101.0	3.9	0.004	0.01
101.0	109.3	ANDESITE DYKE						

R 9903 Box #3 60' to 58.1'

Hole No. SR88-04

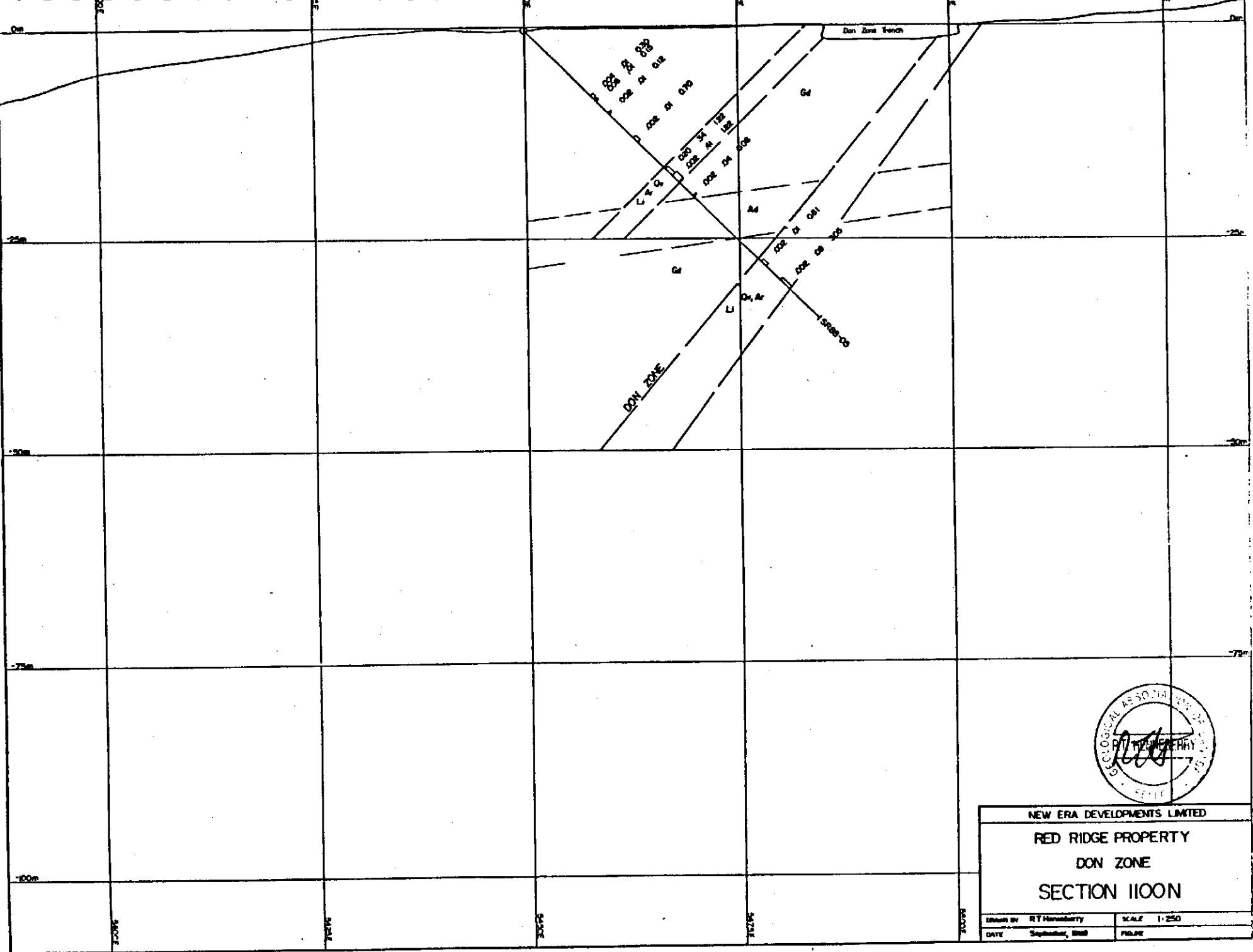
From	To	Description	Number	From	To	Width	opt Au	opt Ag
109.3	174.8	GRANODIORITE as 6.0-7.0 with weak argillic alteration, pervasive Mn stain and limonite. Disseminated pyrite. ->112.0-132.0 - Siliceous alteration -->132.0-142.0 - 3.5 feet lost ->158.6-174.8 - Siliceous alteration with K-feldspar. Increase in pyrite to 5%						
174.8	175.3	DACITE DYKE Fine grained and siliceous	4834	174.8	175.8	1.0	0.004	0.01
175.3	176.8	GRANODIORITE as 6.0-7.0 with siliceous alteration. Hornfelsed near lower contact						
176.8	180.5	ANDESITE DYKE						
180.5	184.5	GRANODIORITE as 6.0-7.0 with siliceous alteration, K-feldspar and 3% disseminated pyrite						
184.5	192.0	ANDESITE DYKE						
192.0	200.0	GRANODIORITE as 6.0-7.0 with siliceous alteration, K-feldspar and Mn stain						
200.0	201.0	ANDESITE DYKE						
201.0	202.0	GRANODIORITE as 6.0-7.0 with pervasive silicification and fracture pyrite	4835	201.0	202.0	1.0	0.002	0.01
202.0	202.5	DACITE DYKE With clay gouge	4836	202.0	202.5	0.5	0.002	0.01

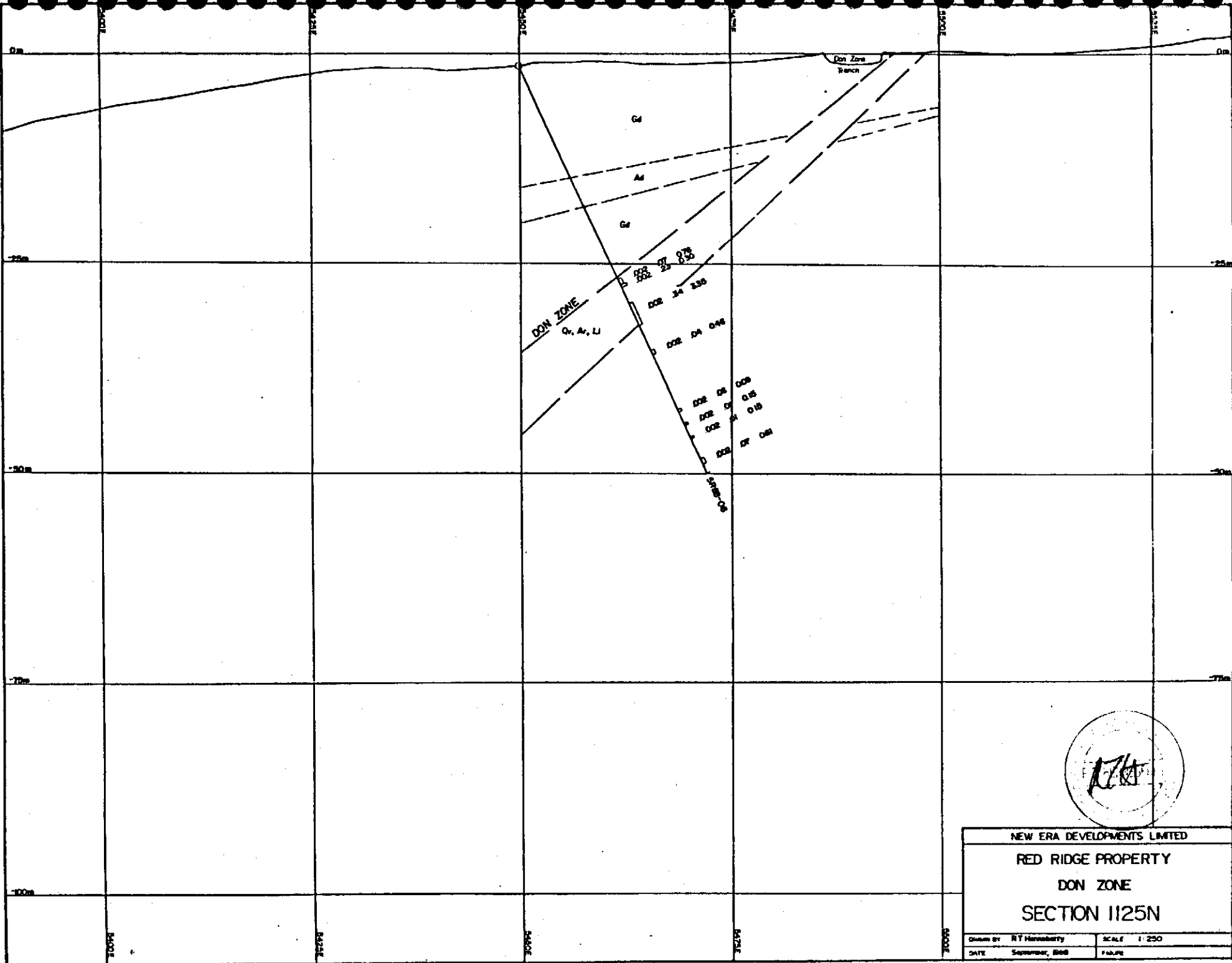
Hole No. 5R88-04

From	To	Description	Number	From	To	Width	opt Au	opt Ag
202.5	207.7	GRANODIORITE as 6.0-7.0 with siliceous alteration and Mn stain ->204.0-206.2 - Argillic alteration with 5 mm pyrite vein 10 ca	4837	204.0	206.2	2.2	0.002	0.03
207.7	208.2	ANDESITE DYKE						
208.2	217.7	GRANODIORITE as 6.0-7.0 with weak argillic and silicic alteration and local Mn stain. >1% disseminated pyrite -> 210.6 - 6 cm calcite vein	4838	210.6	210.8	0.2	0.002	0.01
217.7	222.0	ANDESITE DYKE Extremely broken up -->218.0-222.0 - 2 feet lost						
222.0	234.2	GRANODIORITE as 6.0-7.0 with intense argillic and silicic alteration ->222.0-225.0 - Intense argillic alteration with broken ground core	4839	222.0	225.0	3.0	0.002	0.01
234.2	238.0	ANDESITE DYKE Broken and fractured						
238.0	242.0	GRANODIORITE as 6.0-7.0 - with siliceous alteration and K-feldspar						
242.0	252.0	ANDESITE DYKE ->247.0-247.3 - Blue fault gouge	4840	247.0	247.3	0.3	0.002	0.01
252.0	257.6	GRANODIORITE as 6.0-7.0 with argillic and siliceous alteration. Disseminated pyrite to 3% ->252.0-252.6 - Hornfelsed zone	4841	252.0	252.6	0.6	0.002	0.01

Hole No. SR88-04

From	To	Description	Number	From	To	Width	opt Au	opt Ag
252.0	257.6	GRANODIORITE Continued -->252.6-257.6 - Small stockwork of quartz veinlets						
257.6	258.4	ANDESITE DYKE Argillic alteration with limonite	4842	257.6	258.4	0.8	0.002	0.01
258.4	260.0	QUARTZ VEIN (EAST ZONE) Intense argillic alteration with white quartz clasts in limonite breccia	4843	258.4	260.0	1.6	0.002	0.01
260.0	292.0	GRANODIORITE as 6.0-7.0 with weak argillic alteration and minor limonite and Mn stain -->This hole was abandoned at 292 feet due to extreme caving. The core barrel assembly was lost in the hole. -->292.0 EOH						





NEW ERA DEVELOPMENTS LIMITED

RED RIDGE PROPERTY

DON ZONE

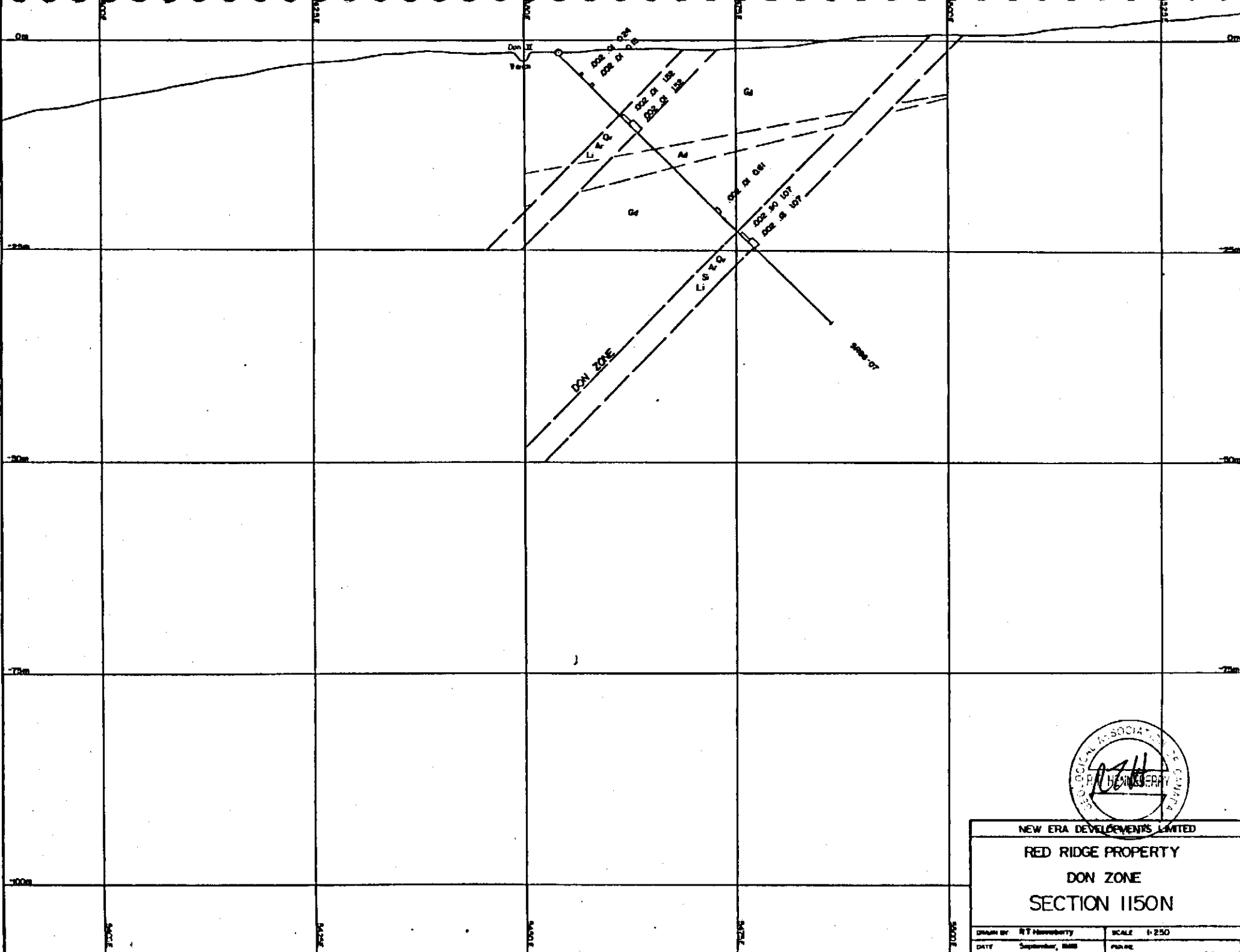
SECTION 1125N

DRAWN BY R.T. Hensberry

SCALE 1:250

DATE September, 1968

PLATE



NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
DON ZONE	
SECTION 1150N	
DRAWN BY: R. H. HENNINGSEN	SCALE: 1:250
DATE: September, 1988	PLATE

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

DON ZONE

Hole No. SR88-05

Started : September 24, 1988

Finished : September 25, 1988

Logged By: W. Robb

Latitude 1150N

Azimuth 090

Departure 5450W

Dip -45

Elevation -0.5m

Length 160 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	9.0	OVERBURDEN						
9.0	11.0	GRANODIORITE Gray green to limonite brown. Well brecciated and fractured. Groundmass and fracture chlorite. Fracture clays, limonite and carbonate. Locally silicified. Tr to 1% pyrite.						
11.0	23.2	ANDESITE DYKE						
23.2	41.4	GRANODIORITE As 9.0-11.0 with Mn stain through zone.						
		->37.0-38.0 - Intense chlorite with minor argillic alt and two small qtz veinlets	4944	37.0	38.0	1.0	0.004	0.01
		->38.9-39.4 - Intense silicification with minor malachite	4945	38.9	39.4	0.5	0.008	0.01
41.4	41.9	APLITE DYKE						
41.9	93.6	GRANODIORITE As 9.0-11.0						
		->46.0 - 9 mm qtz vein 70 ca. NUM	4946	45.8	46.2	0.4	0.002	0.01
		->59.7-62.0 - K-feldspar with malachite stain	4947	59.7	62.0	2.3	0.002	0.01
		->77.0-85.0 - Chloritic, argillic alt zone with limonite in seams	4948	77.0	81.0	4.0	0.020	0.34
		and on fractures. Pervasive Mn	4949	81.0	85.0	4.0	0.002	0.41

Hole No. SR88-05

From	To	Description	Number	From	To	Width	opt Au	opt Ag
41.9	93.6	GRANODIORITE (Cont) -->91.8-92.0 - Intense silicification	4950	91.8	92.0	0.2	0.002	0.04
93.6	93.9	ANDESITE DYKE						
93.9	104.3	GRANODIORITE As 9.0-11.0 with silicification						
104.3	106.5	ANDESITE DYKE						
106.5	107.8	GRANODIORITE As 9.0-11.0 with silicification						
107.8	108.1	ANDESITE DYKE						
108.1	111.0	GRANODIORITE As 9.0-11.0 with silicification						
111.0	117.0	ANDESITE DYKE						
117.0	131.0	GRANODIORITE As 9.0-11.0 with silicification -->129.0-131.0 - Silicic alt with chlorite, pervasive Mn and fracture malachite	63476	129.0	131.0	2.0	0.002	0.01
131.0	131.9	ANDESITE DYKE						
131.9	160.0	GRANODIORITE As 9.0-11.0 with silicification -->142.0-152.0 - DON ZONE Oxidized rusty granodiorite with pervasive Mn stain -->160.0 EOH	63477	142.0	152.0	10.0	0.002	0.09

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

DON ZONE

Hole No. 5R88-06

Started : September 25, 1988

Latitude 1125N

Azimuth 090

Finished : September 27, 1988

Departure 5450E

Dip -65

Logged By: W.Robb

Elevation -1.2m

Length 175 ft

From feet	To	Description	Number	From	To	Width	opt	Au	opt	Ag
0.0	8.0	OVERBURDEN								
8.0	48.8	GRANODIORITE Grey green to limonite brown. Well brecciated and fractured. Groundmass and fracture chlorite. Fracture clays, limonite and carbonate. Locally silicified. Tr to 1% pyrite.								
48.8	62.0	ANDESITE DYKE								
62.0	175.0	GRANODIORITE As 8.0-48.8 with Mn stain through zone.								
		->92.0-94.5 - Chloritic grading to argillic alt with pervasive Mn stain	63478	92.0	94.5	2.5	0.002		0.07	
		->94.5-95.5 - Rusty siliceous zone with Mn and lim stain	63479	94.5	95.5	1.0	0.002		0.23	
		->102.0-113.0 - DON ZONE Broken qtz frags in argillic alt limonite zone with pervasive Mn stain	63480	102.0	113.0	11.0	0.002		0.34	
		-->102.0-113.0 - 7 feet lost								
		->123.0-124.5 - 7mm qtz veinlet haloed by siliceous alt with pervasive lim and Mn	63481	123.0	124.5	1.5	0.002		0.04	
		->148.9-149.2 - 3mm qtz vnlit with chalcopryrite and malachite	63482	148.9	149.2	0.3	0.002		0.06	
		->154.7-155.2 - Limonite seam with malachite stain	63483	154.7	155.2	0.5	0.002		0.01	

Hole No. SR88-06

From	To	Description	Number	From	To	Width	opt Au	opt Ag
62.0	175.0	GRANODIORITE (Cont)						
		-->159.9-160.4 - 1 cm qtz vein with minor K-feldspar alt halo	63484	159.9	160.4	0.5	0.002	0.01
		-->170.0-172.0 - Rusty siliceous alt with 1 cm qtz vein. Pervasive Mn stain. Minor malachite	63485	170.0	172.0	2.0	0.002	0.07
		-->175.0 - EOH						

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

DON ZONE

Hole No. 5R88-07

Started : September 27, 1988

Latitude 1100N

Azimuth 090

Finished : September 28, 1988

Departure 5454E

Dip -45

Logged By: W.Robb, R.T.Henneberry

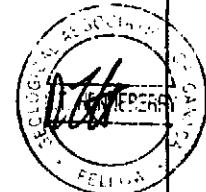
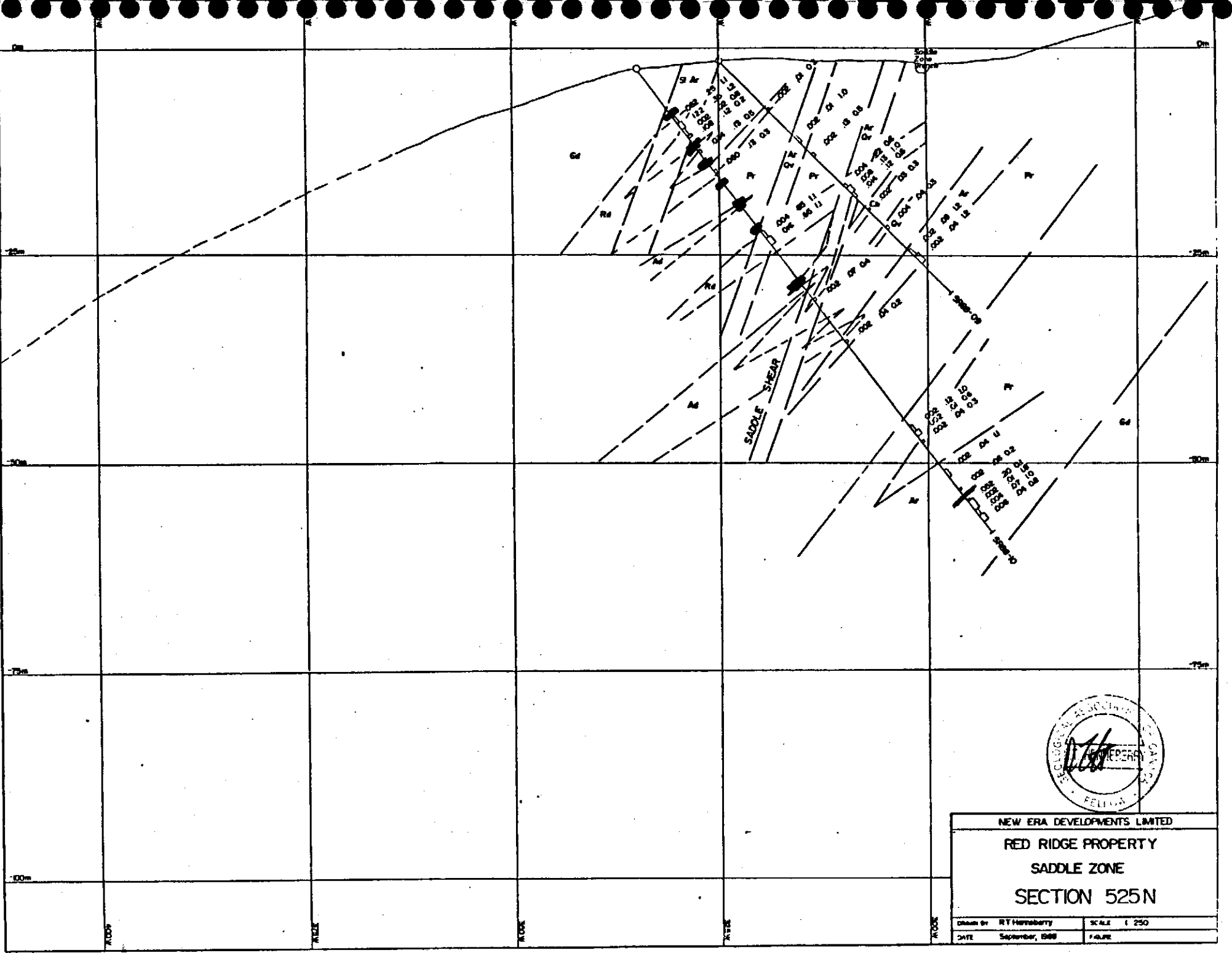
Elevation -1.5m

Length 147 ft

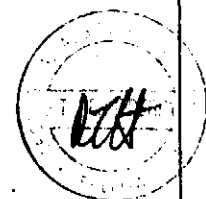
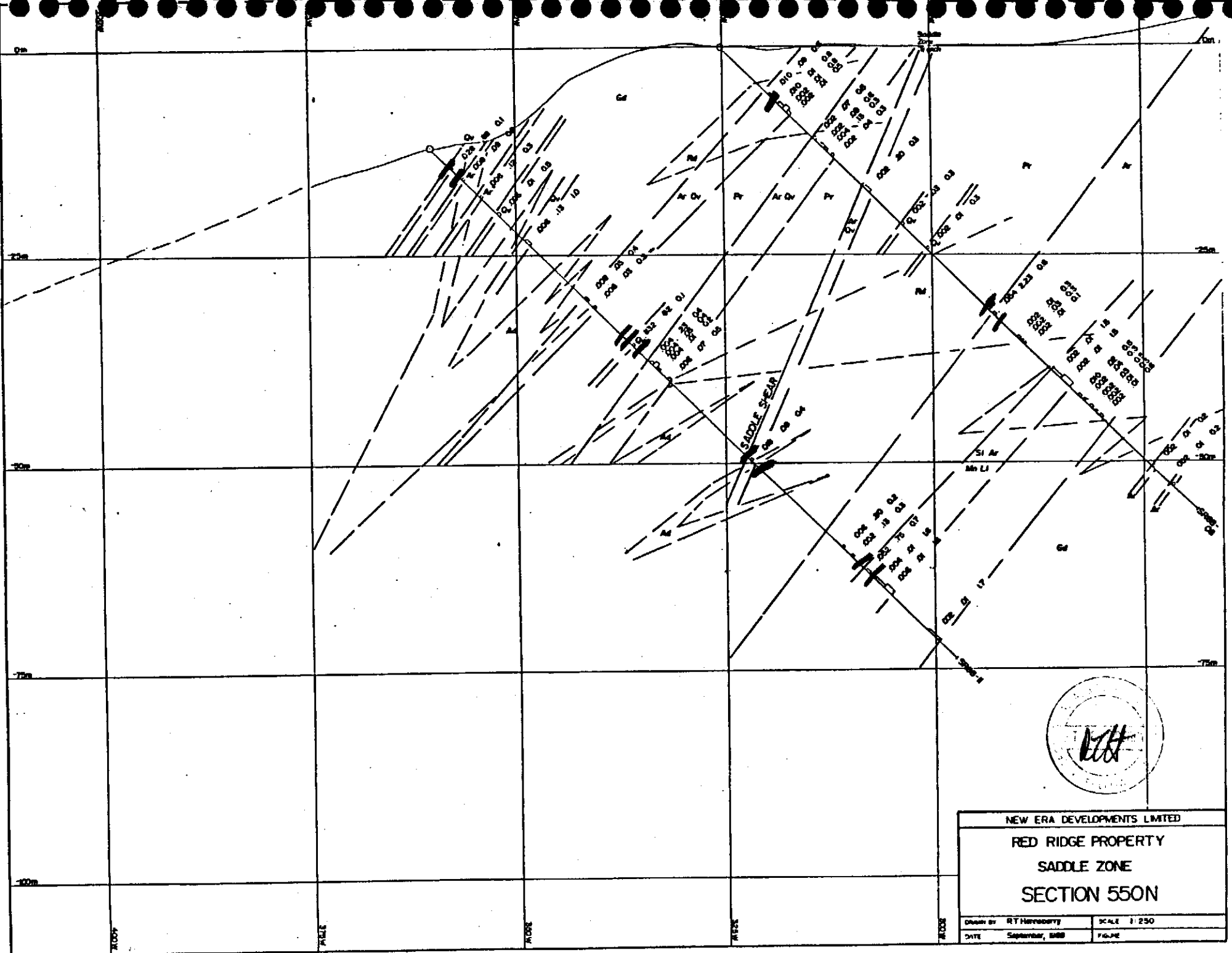
From	To	Description	Number	From	To	Width opt	Au opt	Ag
feet								
0.0	10.0	OVERBURDEN						
10.0	53.5	GRANODIORITE						
		Gray green to limonite brown. Well brecciated and fractured. Groundmass and fracture chlorite. Fracture clays, limonite and carbonate. Locally silicified. Tr to 1x pyrite.						
		->12.5-13.3 - Qtz vnlts swarm with minor pyrite	63486	12.5	13.3	0.8	0.002	0.01
		->18.5-19.0 - Intense silicification with pyrite	63487	18.5	19.0	0.5	0.002	0.01
		->35.5-45.5 - Limonitic with 1mm to 8mm qtz vnlts swarms.	63488	35.5	40.5	5.0	0.002	0.01
		Pervasive Mn stain	63489	40.5	45.5	5.0	0.002	0.01
53.5	64.5	ANDESITE DYKE						
64.5	147.0	GRANODIORITE						
		As 10.0-53.5						
		->87.0-89.0 - Microbx with qtz/cb vnlts (30 ca). Zone is intensely silicified and limonitic	63490	87.0	89.0	2.0	0.002	0.01
		-->91.0-93.0 - Broken core						
		->101.5-108.5 - DON ZONE	63491	101.5	105.0	3.5	0.002	0.90
		Intense limonite as zone is approached. Rusty vuggy qtz veins at 102.5-103.5 (70 ca) and 107.0-108.0 (70 ca). Chlorite ground zone (no gouge) at 106.0-107.0	63492	105.0	108.5	3.5	0.002	0.13

Hole No. SR88-07

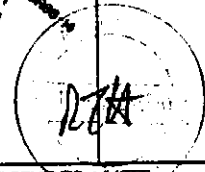
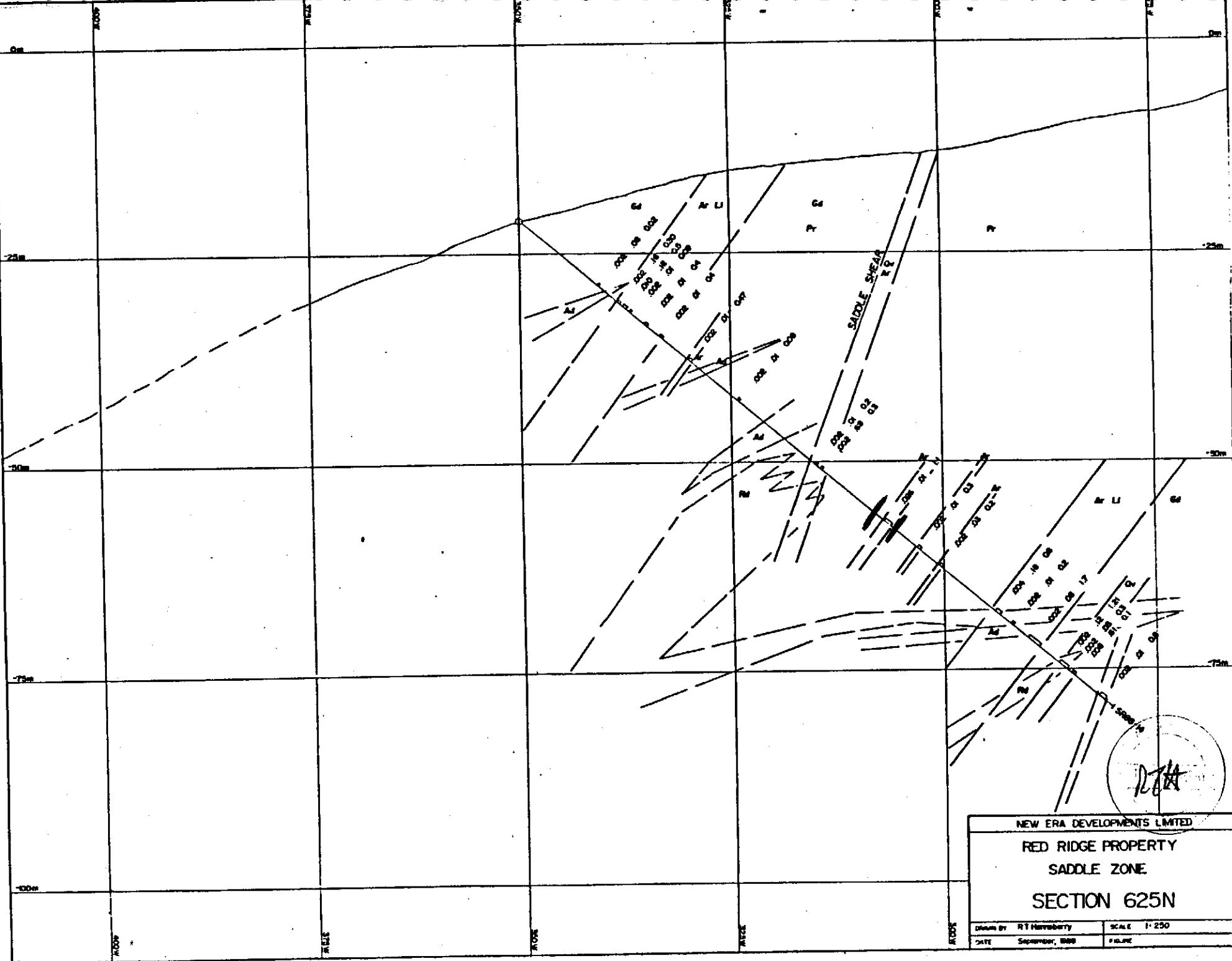
From	To	Description	Number	From	To	Width	opt Au	opt Ag
64.5	147.0	GRANODIORITE (Cont)						
		-->122.0-132.0 - Broken core with sandy gouge at 126.0 and clay gouge at 129.0						
		-->132.0 - Cement						
		->137.0-142.0 - Broken core						
		-->147.0 - EOH						



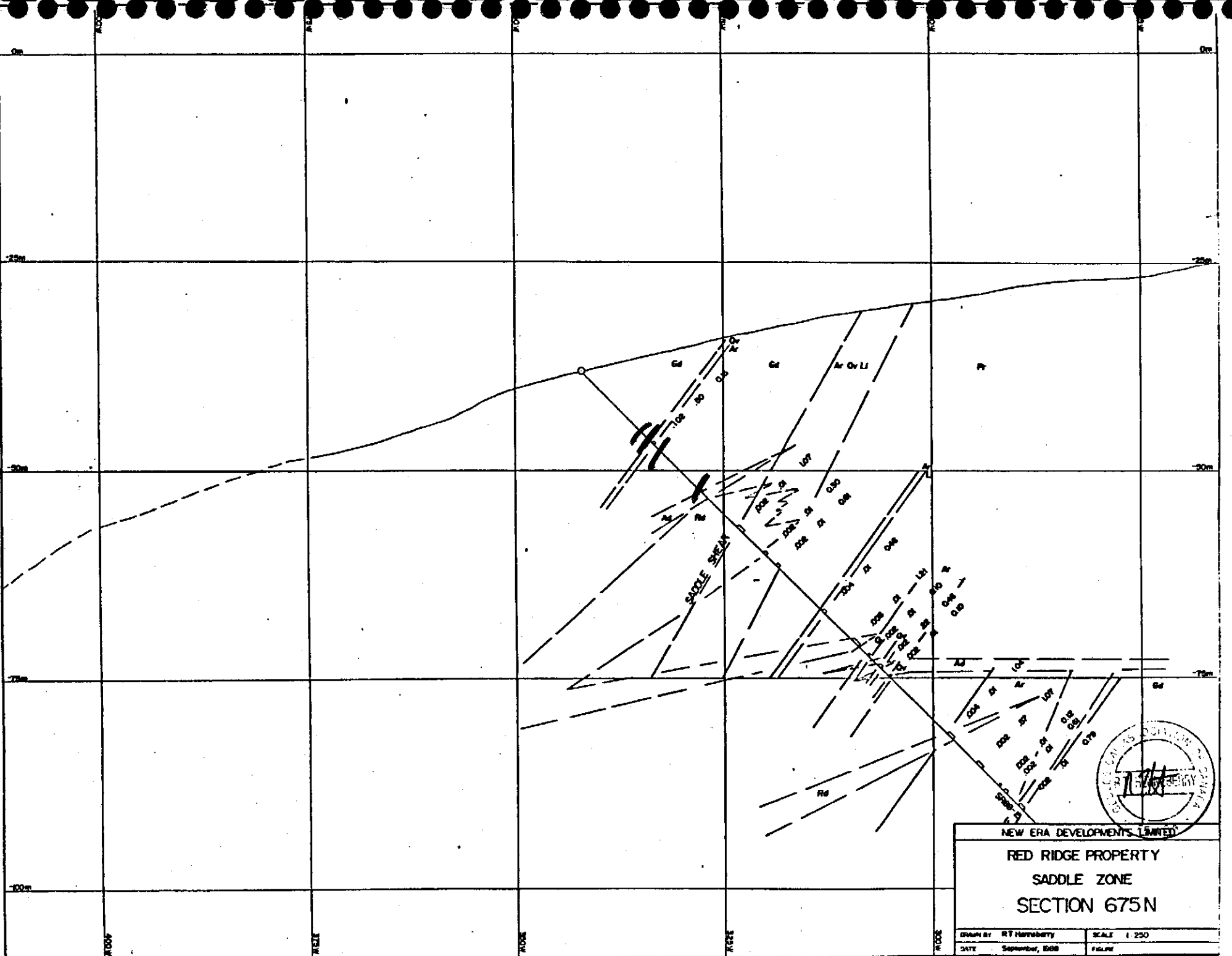
NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
SADDLE ZONE	
SECTION 525N	
Drawn by: R. T. Herrbert	SCALE: 1:250
DATE: September, 1988	FILE:



NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
SADDLE ZONE	
SECTION 550N	
Drawn by	RT Harwood
DATE	September, 1988
SCALE	1:250
PAGE	



NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
SADDLE ZONE	
SECTION 625N	
Drawn by	RT Hensberry
DATE	September, 1989
SCALE	1" = 250'
FILE	



NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
SADDLE ZONE	
SECTION 675N	
DRAWN BY: RT Hurreberry	SCALE: 1:250
DATE: September, 1988	FIELD

DIAMOND DRILL RECORD

1 of 5

Property : Red Ridge

Hole No. SR88-08

SADDLE ZONE

Started : September 28, 1988

Latitude 550N

Azimuth 078

Finished : October 04, 1988

Departure 325W

Dip -45

Logged By: R.T.Henneberry

Elevation 0.0m

Length 262 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	19.0	OVERBURDEN						

19.0 52.5 RHYOLITE / RHYODACITE

Green gray to brown in color. Well brecciated with manganese dendrites along fractures. Local intense manganese. Minor fracture clays and limonite. Tr sulfides.

-->19.0-27.0 - Broken core

-->26.2 - 0.1 ft vuggy qtz vein (65 63493	26.5	27.5	1.0	0.010	0.09
---	------	------	-----	-------	------

ca). Local Mn. NUM

--> 32.0-45.0 - Prevalent limonite

Box #1 27.5 to 32.0

-->32.0-47.0 - Well brecciated with 63494	32.0	34.5	2.5	0.010	0.01
sulfide vugs. Minor qtz as pods 63495	34.5	37.0	2.5	0.002	0.01

and blebs. Intense fracture limonite

-->37.0-38.5 - Siliceous breccia 63496	37.0	38.5	1.5	0.008	0.01
--	------	------	-----	-------	------

with limonite and carbonate.

Limonite fractures with minor Mn

-->42.2 - Sandy gouge zone

-->45.0-49.0 - Broken core

-->51.0-52.5 - Broken core + gouge 63497	51.0	52.5	1.5	0.002	0.07
--	------	------	-----	-------	------

52.5 86.4 GRANODIORITE

Intense silicification with chlorite. Intrusive texture almost masked by alteration. Moderate manganese but no dendrite. Local zones of limonite.

-->55.0-57.0 - Broken core / gouge 63498	55.0	57.0	2.0	0.002	0.09
--	------	------	-----	-------	------

zone. Moderate limonite / vuggy qtz.

Hole No. SR88-08

From	To	Description	Number	From	To	Width	opt Au	opt Ag
52.5	86.4	GRANODIORITE (Cont)						
		->58.0 - 0.2 ft qtz vein with sulfide vugs (50 ca). Intense Mn	63499	57.5	58.5	1.0	0.004	0.13
		-->60.0 - Cement in 1.0 ft of intense Mn						
		->61.5 - 0.1 ft qtz vein with sulfide vugs (65 ca) and 1.0 ft limonite halo	63500	61.0	62.0	1.0	0.002	0.04
		-->65.0 - Broken core						
		-->66.0-67.0 - Broken core with sandy gouge with Mn						
		-->74.5 - Broken core						
		->80.5-81.0 - Alteration vein zone with 2% py. 0.1 ft qtz vein at lower contact. Intense silicification and chlorite	69401	80.0	82.0	2.0	0.002	0.20
		-->84.5 - Broken core / limonite						
86.4	86.8	ANDESITE DYKE						
		Fine grained green in color. Fracture Mn / limonite. Limonite gouge on both contacts						
86.8	114.0	GRANODIORITE						
		As 52.5 - 86.4						
		-> 86.8-95.0 - Intense chlorite and silicification associated with FW of andesite dyke						
		-> 88.2-88.4 - Pegmatitic						
		-->94.0-97.0 - Broken core / gouge						
		->99.5-100.5 - Broken core / limonite zone. Vuggy with minor Mn.	69402	99.5	100.5	1.0	0.002	0.03
		-> 100.5-114.0 - Intense silicification and chlorite. Almost micro breccia with carbonate / limonite and Mn fractures.						

Hole No. SR88-08

From	To	Description	Number	From	To	Width	opt	Au	opt	Ag
114.0	166.0	RHYOLITE / RHYODACITE Light green color with quartz eyes. Well brecciated with Mn dendrites along fractures								
		->114.0-115.0 - Intense limonite on contact	69403	114.0	115.0	1.0	0.002		0.01	
		-->122.0 - Broken core + gouge								
		-> 148.0-150.0 - Strong Mn and brecciation in HW of Saddle Zone.								
		->150.0-152.0 - SADDLE SHEAR ZONE Major sandy gouge zone with Mn and limonite. No qtz	69404	150.0	152.0	2.0	<u>0.054</u>		<u>2.23</u>	
		-> 153.0-166.0 - Mn dendrites on fractures								
		->163.8 - Limonite broken core zone.	69405	163.5	164.5	1.0	0.002		0.01	
		->165.0-166.0 - Contact zone. Strong chlorite with vuggy qtz veinlets (50 ca). Minor sandy gouge	69406	165.0	166.0	1.0	0.002		0.03	
166.0	182.0	GRANODIORITE Well silicified and chloritized. Micro fracturing with limonite and carbonate. Strong Mn and bleaching.								
		-->167.0-167.5 - Broken rounded core	69407	167.0	167.5	0.5	0.002		0.01	
		-->172.0-182.0 - 1 foot lost								
		-->177.8 - 0.7 feet of cement								
182.0	214.9	RHYOLITE / RHYODACITE As 19.0-52.5 and 114.0-166.0, but no Mn								
		-->182.0-192.0 - 5.0 feet lost. Minor Mn + 1% disseminated sulfide vugs	69408	182.0	187.0	5.0	0.002		0.01	
			69409	187.0	192.0	5.0	0.002		0.01	
		->196.5-198.0 - Green clay gouge with minor qtz. Bleached with limonite	69410	196.5	198.0	1.5	0.010		0.20	

Box #9 150' - 145'

~~Box #9 150' - 145'~~

Box #10 152' - 157'

~~Box #10 152' - 157'~~

Hole No. SR88-08

From	To	Description	Number	From	To	Width	opt Au	opt Ag
182.0	214.9	RHYOLITE / RHYODACITE (Cont)						
		->199.0-200.0 - Sandy limonite gouge with chlorite and silicification	69411	199.0	200.0	1.0	0.002	0.04
		->202.5-204.0 - Broken sandy core with limonite and chlorite	69412	202.5	204.0	1.5	0.002	0.03
		->205.5-206.5 - Limonite clay gouge	69413	205.5	206.5	1.0	0.002	0.01
		-->208.0-210.0 - Broken core gouge zone on FW of rhyolite. Minor limonite and Mn	69414	208.0	210.0	2.0	0.002	0.01
		-->212.0-213.0 - Broken core Fault						
214.9	223.5	GRANODIORITE Well silicified and chloritized. Numerous pegmatite veinlets and stringers at 20-70 ca. NUM						
223.5	228.5	RHYOLITE /RHYODACITE Weakly bleached and limonite stained, well brecciated. Fracture Mn dendrites						
228.5	249.3	GRANODIORITE As 214.9-223.5						
		-> 232.5 - 0.1 foot pegmatite stringer (5 ca)						
		-> 237.0-240.0 - Pegmatite vein (50 ca) NUM						
		->237.8-238.3 - Broken core plus sandy gouge	69415	237.8	238.3	0.5	0.002	0.01
		-> 242.7 - 0.2 ft pegmatite stringer (50 ca)						
		-->245.0-246.5 - Fault gouge with Mn	69416	245.0	246.5	0.5	0.002	0.01
249.3	252.2	DACITE DYKE (50 ca) Light green color with Mn and limonite on contacts.						

- Hole No. SR88-08

From	To	Description	Number	From	To	Width opt	Au opt	Ag
252.2	262.0	GRANODIORITE						
		As 214.9-223.5						
		--> 262.0 EOH						

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

SADDLE ZONE

Hole No. SR88-09

Started : October 04, 1988

Finished : October 05, 1988

Logged By: R.T.Henneberry

Latitude 525N

Azimuth 078

Departure 325W

Dip -45

Elevation -1.74m

Length 130 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	4.0	OVERBURDEN						
4.0	57.5	GRANODIORITE						
		Chlorite green to limonite brown to Mn black in color. Well brecciated and fractured especially near surface. Groundmass chlorite/ silicification/ argillization. Fracture chlorite clays limonite and Mn. Tr to 1% disseminated pyrite.						
		-> 4.0-22.0 - Well broken and fractured. Good Mn local limonite						
		-> 27.5-27.8 - Vuggy weathered vein zone (70 ca). Limonite + Mn. Tr sulfides	69417	27.0	28.0	1.0	0.002	0.01
		-> 28.0-32.0 - K-feldspar phenos (?)						
		-> 32.2-34.5 - Limonite argillic alt zone. Fracture limonite and Mn						
		-> 34.5-57.0 - Silicified and argillized						
		-> 43.0-46.0 - Limonite qtz vein zone. Strong Mn. 3% weathered sulfide vugs	69418	43.0	46.0	3.0	0.002	0.01
		-> 53.0-54.5 - Intensely silicified zone with Mn dendrites, limonite and K-feldspar. 1% disseminated malachite	69419	53.0	54.5	1.5	0.002	0.13

Hole No. SR88-09

From	To	Description	Number	From	To	Width	opt Au	opt Ag
57.5	58.7	DACITE DYKE (U. 35 ca - L. 70 ca) Chlorite green with 1% phenocrysts. Limonite gouge on both contacts						
58.7	68.0	GRANODIORITE Intensely bleached and silicified with qtz clots (mega breccia ?)						
68.0	71.8	RHYOLITE / RHYODACITE Dull limonite brown. Fracture Mn dendrites. Local pervasive Mn.						
71.8	75.0	GRANODIORITE As 58.7-68.0						
		->70.0-72.0 - Intense Mn with qtz zone. 3% pyrite	69420	70.0	72.0	2.0	0.004	0.22
		->72.0-75.0 - Limonite vein zone (60 ca). Intense Mn in HW and FW of vein. 2% pyrite	69421	72.0	75.0	3.0	0.008	0.13
75.0	79.0	RHYOLITE / RHYODACITE As 68.0-71.8						
		->75.0-77.0 - FW of zone. Intense Mn with minor qtz	69422	75.0	77.0	2.0	0.014	0.12
79.0	130.0	GRANODIORITE As 71.8-75.0, but intensely bleached and silicified with K-feldspar and Mn. 1% disseminated pyrite						
		->83.7 - Mn gouge zone	69423	83.5	84.5	1.0	0.002	0.03
		-->91.0-91.2 - Broken core						
		->94.0-94.3 - Limonite qtz vein zone (70 ca). 2% weathered sulfide vugs.	69424	93.5	94.5	1.0	0.004	0.04
		->107.0-115.0 - SADDLE SHEAR	69425	107.0	111.0	4.0	0.002	0.09
		HW and FW limonite gouge with limonite and clays through zone	69426	111.0	115.0	4.0	0.002	0.04
		-->122.0-126.0 - Broken core No alt						
		--> 130.0 EOH						

DIAMOND DRILL RECORD

1 of 4

Property : Red Ridge

Hole No. SR88-10

SADDLE ZONE

Started : October 05, 1988

Finished : October 06, 1988

Logged By: W.Robb

Latitude 525N

Azimuth 078

Departure 335W

Dip -53

Elevation -2.50m

Length 232 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	5.0	OVERBURDEN						
5.0	24.8	GRANODIORITE Chlorite green color with relict propylitic alteration. Intense silicification and pervasive fracture Mn -> 17.0 - Fracture malachite -> 22.0-24.8 - Minor argillic alteration						
24.8	31.6	RHYOLITE / RHYODACITE Tan colored. Strong silicification, with dendritic Mn on fractures. ->24.8-28.1 - Intense silicification with several parallel vuggy qtz veinlets carrying limonite and hematite in weathered sulfide vugs ->28.1-31.6 - Pervasive fracture Mn with small parallel qtz veinlets carrying disseminated pyrite	57626	24.8	28.1	3.3	0.062	0.25
			57627	28.1	31.6	3.5	<u>0.122</u>	0.35
			57827	31.6	34.1	2.5	0.002	0.12
31.6	39.4	GRANODIORITE As 5.0-24.8, with weak argillic alteration and hematite stain ->34.1-34.6 - Small qtz veinlets with pyrite and intense Mn stain ->39.1-39.4 - Argillic alteration	57628	34.1	34.6	0.5	<u>0.108</u>	0.12
39.4	41.0	RHYOLITE / RHYODACITE As 24.8-31.6						

Box# 24.8' to 19.8'

NO DESCRIPTION !! G.D.? RHY-G.D. TRANSITION ZONE?

* NO ASSAY! *

Hole No. SR88-10

From	To	Description	Number	From	To	Width	opt Au	opt Ag
41.0	50.0	GRANODIORITE As 31.6-39.4 ->41.5-43.0 - Limonite qtz veins with minor Mn	Box # 2	34.6	41.5			
			57629	41.5	43.0	1.5	0.034	0.13
50.0	53.0	RHYOLITE / RHYODACITE As 24.8-31.6 ->52.0-53.0 - Siliceous zone with limonite, hematite and Mn on fractures and in vugs	Box # 3	41.5	46.5			
			57630	52.0	53.0	1.0	0.060	0.13
53.0	64.0	GRANODIORITE As 31.6-39.4	Box # 3/4	53	62			
64.0	65.3	RHYOLITE / RHYODACITE As 24.8-31.6						
65.3	67.8	GRANODIORITE As 31.6-39.4						
67.8	69.1	ANDESITE DYKE						
69.1	82.9	GRANODIORITE As 31.6-39.4 with 3% K-feldspar	Box # 5	81.5	75.5			
82.9	89.7	RHYOLITE / RHYODACITE Oxidized with fracture limonite and Mn. Minor qtz veinlets	57631	82.9	86.3	3.4	0.004	0.85
			57632	86.3	89.7	3.4	0.016	0.85
89.7	107.0	GRANODIORITE As 31.6-39.4 with 3% K-feldspar	(X) Box # 6					
107.0	109.3	RHYOLITE / RHYODACITE Light green with dendritic Mn stain						
109.3	111.0	GRANODIORITE As 31.6-39.4 with 3% K-feldspar						
111.0	112.2	ANDESITE DYKE						

ONLY 41.5
(*) SOME COR
MISSING

Box # 3/4

R9912

Hole No. SR88-10

From	To	Description	Number	From	To	Width opt	Au opt	Ag
112.2	116.3	GRANODIORITE As 31.6-39.4 with intense silicification	* NO ASSAY?!					
116.3	117.5	RHYOLITE / RHYODACITE Light green with pervasive Mn and small qtz veinlets with limonite	57633	116.3	117.5	1.2	0.002	0.07
117.5	126.5	GRANODIORITE As 112.3-116.3 with chlorite						
126.5	127.5	ANDESITE DYKE						
127.5	132.0	GRANODIORITE As 117.5-126.5 with dendritic fracture Mn						
132.0	137.0	ANDESITE DYKE Minor qtz in-filling and fracture Mn						
137.0	183.3	GRANODIORITE As 127.5-132.0 ->137.8-138.5 - Oxidized with minor argillic alt. ->180.0-183.3 - Intense Mn stain zone with galena and pyrite	57634	137.7	138.5	0.7	0.002	0.04
			57636	180.3	183.3	3.0	0.002	0.12
183.3	185.0	RHYOLITE / RHYODACITE As 116.3-117.5	57635	183.3	185.0	1.7	0.002	0.01
185.0	187.4	DACITE DYKE Mn stain						
187.4	188.4	RHYOLITE / RHYODACITE As 183.3-185.0 ->187.4-188.4 - Argillic alteration	57637	187.4	188.4	1.0	0.002	0.01
188.4	202.0	DACITE DYKE Minor Mn stain						

* NO ASSAY?!

Box #6 MISSING!

Hole No. SR88-10

From	To	Description	Number	From	To	Width	opt Au	opt Ag
202.0	205.4	RHYOLITE / RHYODACITE As 187.4-188.4 with argillic alt and limonite and Mn	57638	202.0	205.4	3.4	0.002	0.04
205.4	232.0	GRANODIORITE As 31.6-39.4 with 3% K-feldspar						
		->211.7-212.2 - Oxidized with pervasive Mn	57639	211.7	212.2	0.5	0.002	0.06
		->217.5-217.8 - Limonite qtz vein	57640	217.5	217.8	0.3	0.052	0.20
		->217.8-222.6 - Siliceous, minor argillic alt with pervasive Mn and limonite	57641	217.8	222.6	5.8	0.002	0.01
		->222.6-225.6 - Rusty, intense Mn (masking GD) with limonite vugs	57643	222.6	225.6	3.0	0.006	0.04
		->225.6- 228.0 - Chloritized and siliceous with small qtz veinlets and dendritic fracture Mn	57642	225.6	228.0	2.4	0.004	0.07
		--> 232.0 - EOH						

Box # 13

216 to 219

over LMS

~~0.002~~

DIAMOND DRILL RECORD

1 of 4

Property : Red Ridge

SADDLE ZONE

Hole No. SR88-11

Started : October 08, 1988

Finished : October 11, 1988

Logged By: W.Robb

Latitude 550N

Azimuth 078

Departure 362W

Dip -45

Elevation -11.50m

Length 290 ft

From feet	To	Description	Number	From	To	Width opt	Au opt	Ag
0.0	7.5	OVERBURDEN						
7.5	12.2	GRANODIORITE Chlorite green color with relict propylitic alteration. Intense silicification and pervasive fracture Mn						
		->11.2-11.4 - Vuggy oxidized qtz vein with limonite in-filling	57644	11.2	11.4	0.2	0.028	0.88
12.2	13.2	ANDESITE DYKE						
13.2	18.2	GRANODIORITE As 7.5 - 12.2 with minor Mn stain						
		->17.5-18.2 - Argillic altered granodiorite with limonite and minor Mn stain and minor disseminated pyrite	57645	17.5	18.2	0.7	0.008	0.09
18.2	27.0	ANDESITE DYKE						
27.0	45.3	GRANODIORITE As 13.2 - 18.2						
		->27.0-27.8 - Argillic altered granodiorite with minor limonite and intense Mn stain	57646	27.0	27.8	0.8	0.005	0.12
		->36.3-37.9 - 13 mm qtz vein with fracture limonite and weathered sulfides	57647	36.3	37.8	1.5	0.005	0.01
45.3	47.8	ANDESITE DYKE						

By #1 7.5 - 11.2

~~0.028~~

~~0.88~~

Hole No. 5R88-11

From	To	Description	Number	From	To	Width	opt Au	opt Ag
47.8	69.8	GRANODIORITE As 27.0 - 45.3 with propylitic and minor silicic alteration -->51.6-54.6 - Zone of sub-parallel qtz veinlets with weathered sulfide vugs and limonite. Tetrahedrite fractures and argillic alteration at 52.1-52.4	57648	51.6	54.6	3.0	0.006	0.13
69.8	74.0	ANDESITE DYKE						
74.0	76.1	GRANODIORITE As 47.8 - 69.8 with silicic alteration						
76.1	77.1	ANDESITE DYKE						
77.1	86.5	GRANODIORITE As 74.0 - 76.1 with minor potassic alteration -->85.3-86.5 - Brecciated potassic altered zone	57649	85.3	86.3	1.2	0.008	0.03
86.5	88.6	ANDESITE DYKE -->88.0 - Malachite stain						
88.6	94.0	GRANODIORITE As 77.1 - 86.5 with silicic alteration -->89.6-90.1 - Argillic alteration with qtz clasts and limonite	57650	89.6	90.1	0.5	0.008	0.03
94.0	94.9	RHYOLITE / RHYODACITE No sample??						
94.9	130.3	GRANODIORITE As 88.6 - 94.0 with silicic and propylitic alteration -->111.1-111.5 - Vuggy oxidized qtz vein with minor blebs of galena -->120.8-122.0 - Oxidized vuggy qtz vein with limonite	57677	111.1	111.5	0.4	0.832	0.92
			57676	120.8	122.0	1.2	0.004	0.23

Box? (110.7 to 111.1) } one sample from both sides
111.5 to 116.2 } off #57677

Hole No. SR88-11

From	To	Description	Number	From	To	Width	opt Au	opt Ag
94.9	130.3	GRANODIORITE (Continued)						
		->122.0-123.3 - Intense propylitic alteration zone with qtz veinlets carrying small blebs of galena and pyrite and Mn stain	57678	122.0	123.3	1.3	0.004	0.03
		->124.9-125.4 - Vuggy parallel qtz veinlet zone with weathered sulfides	57679	124.9	125.4	0.5	0.004	0.10
130.3	132.0	RHYOLITE / RHYODACITE Rusty oxidized dyke with sulfide vugs	57680	130.3	132.0	1.7	0.006	0.07
132.0	148.3	GRANODIORITE As 94.9 - 130.3 with Mn stain and silicic alteration						
148.3	149.0	ANDESITE DYKE						
149.0	151.2	GRANODIORITE As 132.0 - 148.3 with silicic alteration						
151.2	152.0	ANDESITE DYKE						
152.0	177.2	GRANODIORITE As 149.0 - 151.2 with minor potassic and argillic alteration ->176.0-177.2 - Oxidized silicic, argillic alteration zone	57681	176.0	177.2	1.2	0.018	0.09
177.2	178.8	ANDESITE DYKE - SAMPLE INCLUDES DYKE						
178.8	193.6	GRANODIORITE As 152.0 - 177.2 with silicic alteration						
193.6	195.6	ANDESITE DYKE						

172' 176'
168' 176'

NOTE: Some SPLIT IN BOX
177.2 To 182.7

Hole No. SR88-11

From	To	Description	Number	From	To	Width	opt Au	opt Ag
195.6	290.0	GRANODIORITE						
		As 178.8 - 193.6 with silicic and propylitic alteration						
		->226.4-226.9 - 3mm qtz vein with pyrite and chalcopyrite	57683	226.4	226.9	0.5	0.006	0.20
		->231.5-232.5 - Silicic with weak argillic alteration and limonite. Minor fine-grained pyrite and malachite	57684	231.5	232.5	1.0	0.002	0.13
		->239.5-242.0 - 10 cm qtz vein with limonite and pervasive Mn stain and fine-grained galena along fractures.	57685	239.5	242.0	2.5	0.052	0.76
		->244.5-254.8 - Silicic, argillic alteration zone with pervasive Mn stain and minor pyrite	57686	244.5	249.7	5.2	0.004	0.01
		->273.8-279.5 - Silicic, argillic alteration zone with pervasive Mn stain and weathered sulfide vugs	57687	249.7	254.8	5.1	0.006	0.01
		--> 290.0 EOH	57688	273.8	279.5	5.7	0.002	0.01

APEN^x
232' - 239.5'

0.006

242' - 244.5'

0.006

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

SADDLE ZONE

Hole No. SR88-12

Started : October 11, 1988

Finished : October 11, 1988

Logged By: W.Robb

Latitude 575N

Azimuth 078

Departure 325W

Dip -45

Elevation -4.06 m Length 115 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	11.0	OVERBURDEN						
11.0	76.0	GRANODIORITE						
		Chlorite green color with relict propylitic alteration. Intense silicification and pervasive fracture Mn						
		-->12.0-22.0 - 5.5 feet lost						
		-->22.0-32.0 - 2.0 feet lost						
		->25.9-36.8 - Silicic, argillic alteration zone with intense limonite and pervasive fracture Mn stain. Minor blebs of galena at 27.0	57689	25.9	32.0	6.1	0.002	0.01
			57690	32.0	36.8	4.8	0.002	0.01
		->42.0-47.0 - Silicic, argillic alteration zone with intense limonite stain and pervasive fracture Mn stain. Locally vuggy.	57691	42.0	47.0	5.0	0.002	0.04
		->71.4-72.0 - Argillic alteration zone with pervasive fracture Mn stain and minor limonite and silicification	57692	71.4	72.0	0.6	0.002	0.15
		->72.0-76.0 - Weak argillic, silicic alteration intense limonite and pervasive fracture Mn stain	57693	72.0	76.0	4.0	0.008	0.22
76.0	76.3	RHYOLITE / RHYODACITE						

Hole No. SR88-12

From	To	Description	Number	From	To	Width	opt	Au	opt	Ag
76.3	82.0	GRANODIORITE As 11.0 - 76.0 with weak argillic and silicic alteration, intense limonite and pervasive fracture Mn stain.	57694	76.3	82.0	5.7	0.002	0.10		

82.0 82.5 RHYOLITE / RHYODACITE

82.5 115.0 GRANODIORITE

As 11.0 - 76.0 with silicic
alteration, limonite stain and
fracture Mn stain

→ 87.0-89.4 - oxidized vuggy zone
with sub-parallel qtz veinlets,
limonite stain and weathered
sulfide vugs

→ 115.0 EOH

82-87'

5 FT @ 2.34 gm/ton

57695	87.0	89.4	2.4	0.116	2.19
-------	------	------	-----	-------	------

= 3.97 gm/T

Box # 4

89.4 - 94.5'

Box # 5 — APPROX 100' 104' — R9922

Box # 6 — APPROX 104' to 108' — R9923

(1989) 57695 — 2.4 FT @ 3.97 gm/T

(1999) R9921 5.0 FT @ 2.34 gm/T

2.4' @ 2.34 gm/T
5' @ 3.97 gm/T
= 2.87 gm/T
7.4'

DIAMOND DRILL RECORD

1 of 3

Property : Red Ridge

SADDLE ZONE

Hole No. SR88-13

Started : October 12, 1988

Finished : October 15, 1988

Logged By: W.Robb

Latitude 575N

Azimuth 078

Departure 362W

Dip -45

Elevation - 8.20 m Length 300 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	8.0	OVERBURDEN						
8.0	38.8	GRANODIORITE Chlorite green color with relict propylitic alteration. Intense silicification and pervasive fracture Mn ->10.0-10.5 - Oxidized, argillic altered zone with qtz pods	57696	10.0	10.5	0.5	0.025	0.18
38.8	42.8	ANDESITE DYKE						
42.8	59.0	GRANODIORITE As 8.0 - 38.8 with weak argillic and minor potassic alteration						
59.0	62.8	ANDESITE DYKE						
62.8	75.9	GRANODIORITE As 8.0 - 38.8 with dendritic Mn stain on fractures						
75.9	78.3	RHYOLITE / RHYODACITE						
78.3	102.0	GRANODIORITE As 62.8 - 75.9 ->82.5-83.5 - Oxidized, vuggy zone with qtz in-filling, limonite and pervasive fracture Mn stain	57697	82.5	83.5	1.0	0.006	0.07
102.0	112.0	ANDESITE DYKE						

99

99

BOLLING

Hole No. SR88-13

From	To	Description	Number	From	To	Width	opt Au	opt Ag
112.0	144.9	GRANODIORITE						
		As 42.8 - 59.0						
		-> 119.2-119.5 - Vuggy qtz vein with Mn stain	57698	119.2	119.5	0.3	0.002	0.01
		-> 119.5-112.5 - Argillic altered zone						
		-> 128.1-130.4 - Oxidized with 10 mm qtz vein and Mn stain	57699	128.1	130.4	2.3	0.006	0.58
144.9	146.8	ANDESITE DYKE						
146.8	155.8	GRANODIORITE						
		As 112.0 - 114.9						
155.8	156.8	ANDESITE DYKE						
156.8	172.0	GRANODIORITE						
		As 8.0 - 38.8						
172.0	172.5	ANDESITE DYKE						
172.5	204.0	GRANODIORITE						
		As 156.8 - 172.0 with minor potassic alteration						
		-> 179.3-183.4 - Rusty limonite zone with pervasive fracture Mn stain	57700	179.3	183.4	4.1	0.006	0.26
		-> 183.4-185.1 - 8cm vuggy qtz vein	57701	183.4	184.1	0.7	0.046	0.18
204.0	207.2	ANDESITE DYKE						
207.2	216.0	GRANODIORITE						
		As 156.8 - 172.0						
216.0	216.9	RHYOLITE / RHYODACITE						
			57702	216.0	216.9	0.9	0.006	0.10

NOT CERTAIN OF

NO SAMPLE

Hole No. SR88-13

From	To	Description	Number	From	To	Width	opt Au	opt Ag
216.9	254.0	GRANODIORITE						
		As 207.2 - 216.0						
		->216.9-219.0 - Limonite Mn stain	57703	216.9	219.0	2.1	0.008	0.38
		zone with subparallel qtz						
		veinlets and minor malachite						
		-> 219.0-221.3 - Qtz micro veinlet						
		zone with intense fracture Mn						
		->221.3-222.0 - Oxidized zone with	57704	221.3	222.0	0.7	0.004	0.22
		8mm qtz vein						
254.0	256.8	RHYOLITE / RHYODACITE						
		With carbonate veinlets	57705	254.0	256.8	2.4	0.004	0.03
256.8	300.0	GRANODIORITE						
		As 216.9 - 254.0						
		--> 300.0 EOH						

DIAMOND DRILL RECORD

1 of 4

Property : Red Ridge

SADDLE ZONE

Hole No. SR88-14

Started : October 15, 1988

Finished : October 17, 1988

Logged By: W.Robb

Latitude 525N

Azimuth 078

Departure 350W

Dip -40

Elevation -21.29 m Length 300 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	8.0	OVERBURDEN						
8.0	43.5	GRANODIORITE Chlorite green color with relict propylitic alteration. Intense silicification and pervasive fracture Mn ->39.2-39.8 - 10m qtz vein with weak argillic alteration halo and intense Mn stain	57706	39.2	39.8	0.6	0.002	0.06
43.5	43.8	ANDESITE DYKE						
43.8	44.0	GRANODIORITE As 8.0 - 43.5 with minor potassic alteration						
44.0	44.5	ANDESITE DYKE						
44.5	90.0	GRANODIORITE As 8.0 - 43.5 with weak argillic alteration ->49.2-50.2 - Oxidized, weak argillic altered zone with limonite and vuggy 5mm qtz veinlet ->51.8-53.5 - Oxidized, weak argillic and silicic altered zone with 10mm qtz vein ->55.7-56.0 - 10cm vuggy qtz vein with intense Mn stain	57707	49.2	50.2	0.8	0.002	0.16
			57708	51.8	53.5	1.7	0.010	0.18
			57709	55.7	56.0	0.3	0.002	0.01

Hole No. SR88-14

From	To	Description	Number	From	To	Width	opt Au	opt Ag
44.5	90.0	GRANODIORITE (Continued)						
		->63.0-64.2 - Weak argillic, silicic altered oxidized zone with fracture Mn stain	57710	63.0	64.2	1.2	0.002	0.01
		->71.0-72.2 - Weak argillic, silicic, potassic alteration with vuggy qtz veinlets	57711	71.0	72.2	1.2	0.002	0.01
		->85.3-86.8 - Silicic, potassic alteration zone with 6mm qtz vein and limonite	57712	85.3	86.8	1.5	0.002	0.01
90.0	95.8	ANDESITE DYKE						
95.8	121.9	GRANODIORITE						
		As 8.0 - 43.5						
		->110.2-110.4 - Qtz vein with hematite	57713	110.2	110.4	0.2	0.002	0.01
121.9	135.9	ANDESITE DYKE						
135.9	243.0	GRANODIORITE						
		As 95.8 - 121.9						
		->149.7-150.2 - 15cm pegmatite with disseminated pyrite and malachite	57714	149.7	150.2	0.5	0.002	0.01
		->152.2-153.1 - 10cm vuggy qtz vein with K-feldspar, chalcoppyrite and malchite	57715	152.2	153.1	0.9	0.002	0.69
		-->162.0-172.0 - 3.5 feet lost						
		->184.3-187.8 - SADDLE SHEAR ZONE	57716	184.3	187.8	3.5	0.026	0.01
		Intense argillic alteration with pervasive fracture Mn and 22mm qtz vein at 185.3						
		->201.0-202.0 - Vuggy, oxidized, weakly argillic altered zone with limonite	57717	201.0	202.0	1.0	0.002	0.01
		->212.3-212.8 - 7mm qtz vein with pyrite and malachite	57718	212.3	212.8	0.5	0.002	0.03

INTERNAL (6.5)

29924 178.8 - 184.3

Hole 14 Box 10

Hole 14 Box 11 187.8 to 192.0 (USE Mn)

Hole No. SR88-14

From	To	Description	Number	From	To	Width	opt Au	opt Ag
135.9	243.0	GRANODIORITE (Continued) ->241.0-243.0 - Weak argillic, silicic altered zone with limonite and pervasive fracture Mn stain	57719	241.0	243.0	2.0	0.004	0.18
243.0	248.8	RHYOLITE / RHYODACITE Dendritic Mn stain along fractures						
248.8	249.3	GRANODIORITE Strongly argillic altered with limonite	57720	248.8	249.3	0.5	0.002	0.01
249.3	256.9	ANDESITE DYKE						
256.9	269.5	GRANODIORITE As 135.9 - 243.0 with argillic alteration ->256.9-262.5 - Argillic altered zone with silicification, limonite and minor malachite	57723	256.9	262.5	5.6	0.002	0.06
269.5	271.0	RHYOLITE / RHYODACITE Broken core						
271.0	272.5	GRANODIORITE As 256.9 - 269.5 with weak argillic alteration						
272.5	276.6	RHYOLITE / RHYODACITE Dendritic fracture Mn stain	57724	272.5	276.6	3.9	0.002	0.01
276.6	287.9	GRANODIORITE As 135.9 - 243.0 ->277.4 - 278.5 - 3cm qtz vein with chalcopryrite in limonite Mn zone ->279.2 - 279.5 - 7mm qtz veinlet with chalcopryrite and pyrite	57721	277.4	278.5	1.1	0.002	0.03
			57722	279.2	279.5	0.3	0.008	0.61
287.9	288.8	ANDESITE DYKE						

DIAMOND DRILL RECORD

1 of 4

Property : Red Ridge

SADDLE ZONE

Hole No. SR88-15

Started : October 19, 1988

Finished : October 20, 1988

Logged By: R.T.Henneberry, W.Robb

Latitude 675N

Azimuth 078

Departure 342W

Dip -45

Elevation -38.10 m Length 272 ft

From feet	To	Description	Number	From	To	Width opt	Au opt	Ag
0.0	9.0	OVERBURDEN						

9.0 67.5 GRANODIORITE

Gray green color, very little limonite as compared to other holes in Zone. Weakly brecciated.

Fracture chlorite, clays, limonite, manganese. Groundmass chlorite, silicification, local horizons of K-feldspar and argillic alteration of plagioclase. Tr to 1% sulfides.

-->29.0-33.0 - Broken core with minor limonite

-->32.0-42.0 - 1 foot lost

-->40.5-41.0 - Pervasive limonite and ground core and 1 cm qtz vein (80 ca) with 2% pyrite. 2 foot halo of weak argillic alteration (5% of plagioclase)

-->52.5-53.8 - Pegmatite dyke

-->62.0-67.5 - Broken core

Box #2 37 40.5 R9926

57726 40.5 41.0 0.5 0.102 0.50

(3.7') increase. Box #2 460-44.7 R9927

67.5 69.0 ANDESITE DYKE

Fine-grained, chloritic green, weakly micro-brecciated. No vis min.

69.0 77.0 RHYOLITE / RHYODACITE

Gray green in color, well fractured. 1%-3% disseminated mafics (?) or manganese (?). Fracture manganese, limonite. No vis min.

Hole No. SR88-15

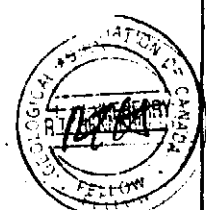
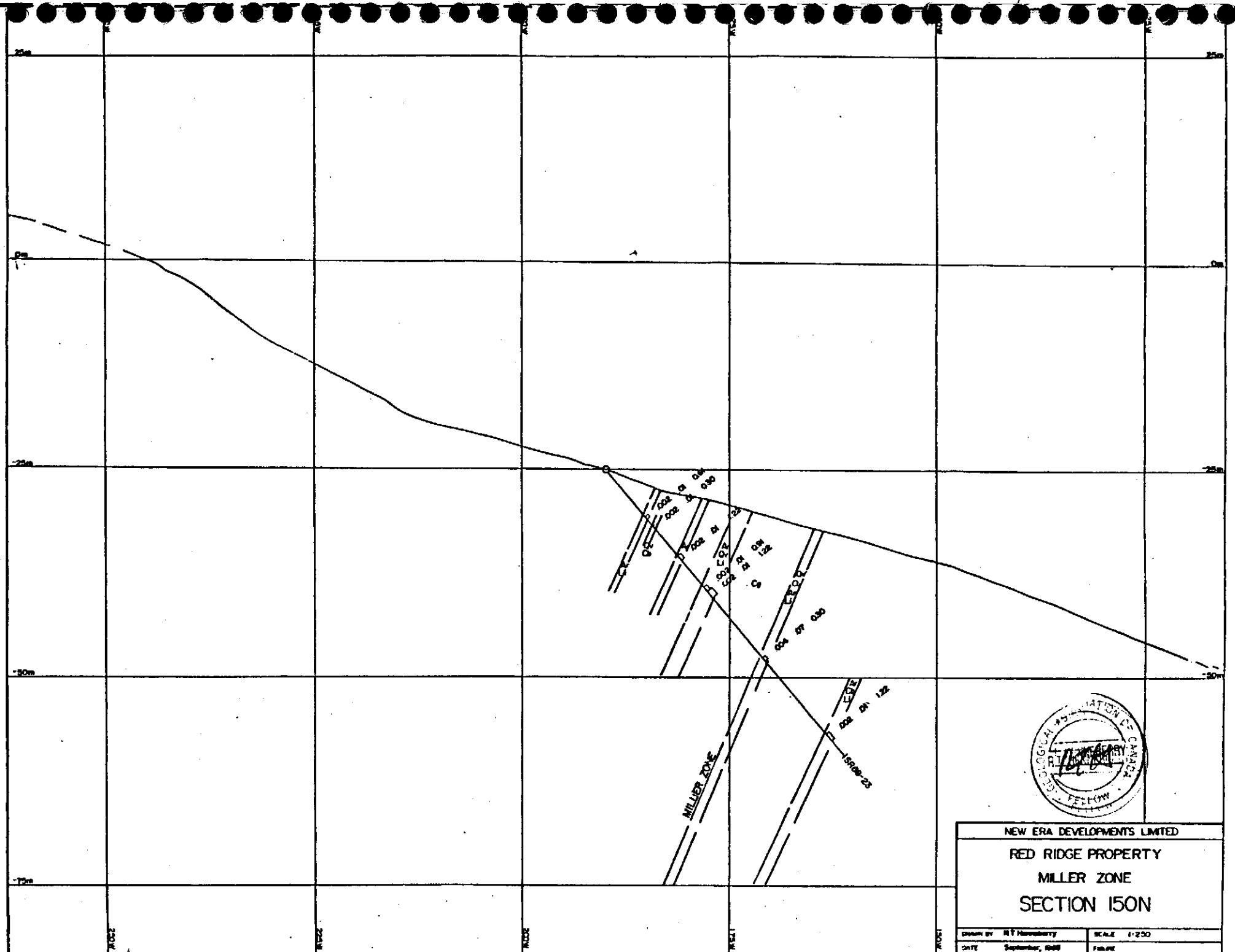
From	To	Description	Number	From	To	Width	opt Au	opt Ag
77.0	78.5	GRANODIORITE As 9.0 - 67.5, but intensely silicified, almost masking texture. Massive with no vis min (NUM)						
78.5	102.3	RHYOLITE / RHYODACITE As 69.0 - 77.0, with weak to strong limonite and tr sulfides -->78.5-79.0 - Broken core, minor limonite ->87.0-90.5 - Bleached limonite zone with fracture dendritic manganese, locally vuggy with 1 cm qtz vein (0 ca). 1X weathered sulfides. -->92.0-102.0 - 6 feet lost. Vuggy with intense fracture Mn stain ->101.5-102.3 - Intense manganese zone with limonite. FW gouge. 3 cm qtz vein (70 ca) with limonite and dendritic Mn. Tr sulfides. 40% recovery	57727	87.0	90.5	3.5	0.002	0.01
			57728	101.5	102.5	1.0	0.002	0.01
102.3	150.5	GRANODIORITE As 9.0 - 67.5 with chlorite/epidote micro stockwork. Argillized feldspars. Tr sulfides. -> 102.3-107.5 - Intense silicification ->108.5-110.5 - Mn gouge zone. HW Mn gouge with limonite through zone and limonite gouge seams. NUM ->134.0-135.5 - Limonite gouge zone with limonite/ Mn halo	57729	108.5	110.5	2.0	0.002	0.01
			57730	134.0	135.5	1.5	0.004	0.01
150.5	154.5	RHYOLITE / RHYODACITE Bleached limonite brown, weakly to moderately brecciated with zones of qtz flooding and fracture Mn stain. Tr sulfides.	57731	150.5	154.5	4.0	0.006	0.01

Hole No. SR88-15

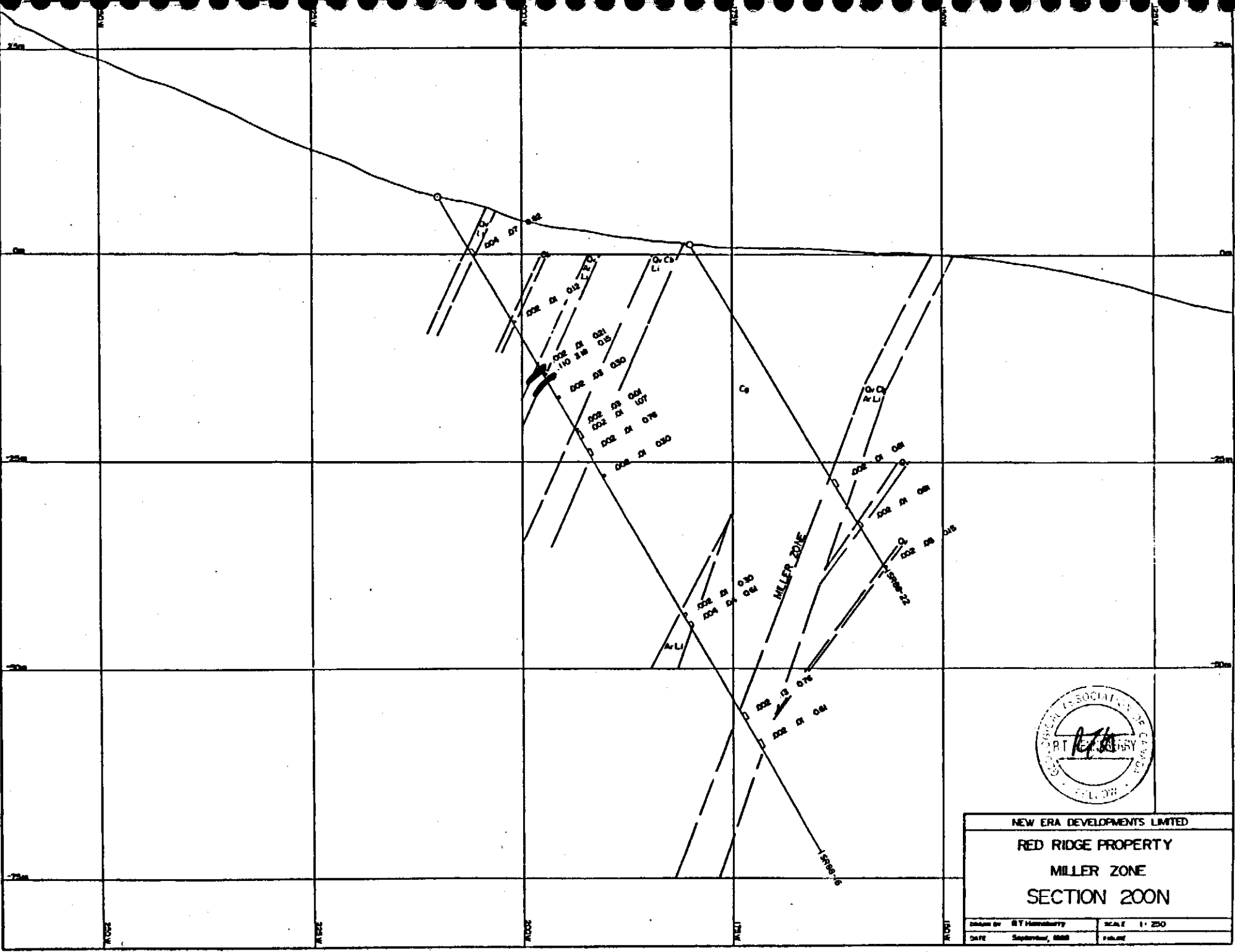
From	To	Description	Number	From	To	Width	opt	Au	opt	Ag
154.5	162.0	GRANODIORITE As 102.3 - 150.5, with weak argillic alteration and fracture Mn and limonite ->160.0-160.3 - Qtz vein (50 ca) with Mn stain	57732	160.0	160.3	0.3		0.002		0.01
162.0	163.0	ANDESITE DYKE								
163.0	167.0	GRANODIORITE As 102.3 - 150.5 with chlorite and silicification ->165.5-167.0 - 5 cm qtz vein with argillic altered and bleached FW and fracture manganese	57733	165.5	167.0	1.5		0.012		0.22
167.0	171.0	ANDESITE DYKE								
171.0	171.3	GRANODIORITE As 154.5 - 162.0, with argillic alteration and limonite	57734	171.0	171.3	0.3		0.002		0.01
171.3	173.0	RHYOLITE / RHYODACITE Green gray to brown. NUM								
173.0	203.3	GRANODIORITE As 154.5 - 162.0 with weak argillic and silicic alteration. Fracture Mn and limonite stain. NUM								
203.3	211.0	RHYOLITE / RHYODACITE Green gray to bleached pale limonite brown in color with fracture Mn stain ->203.3-206.8 - Bleached argillic limonite zone with fracture Mn. NUM	57735	203.3	206.8	3.5		0.004		0.01

Hole No. SR88-15

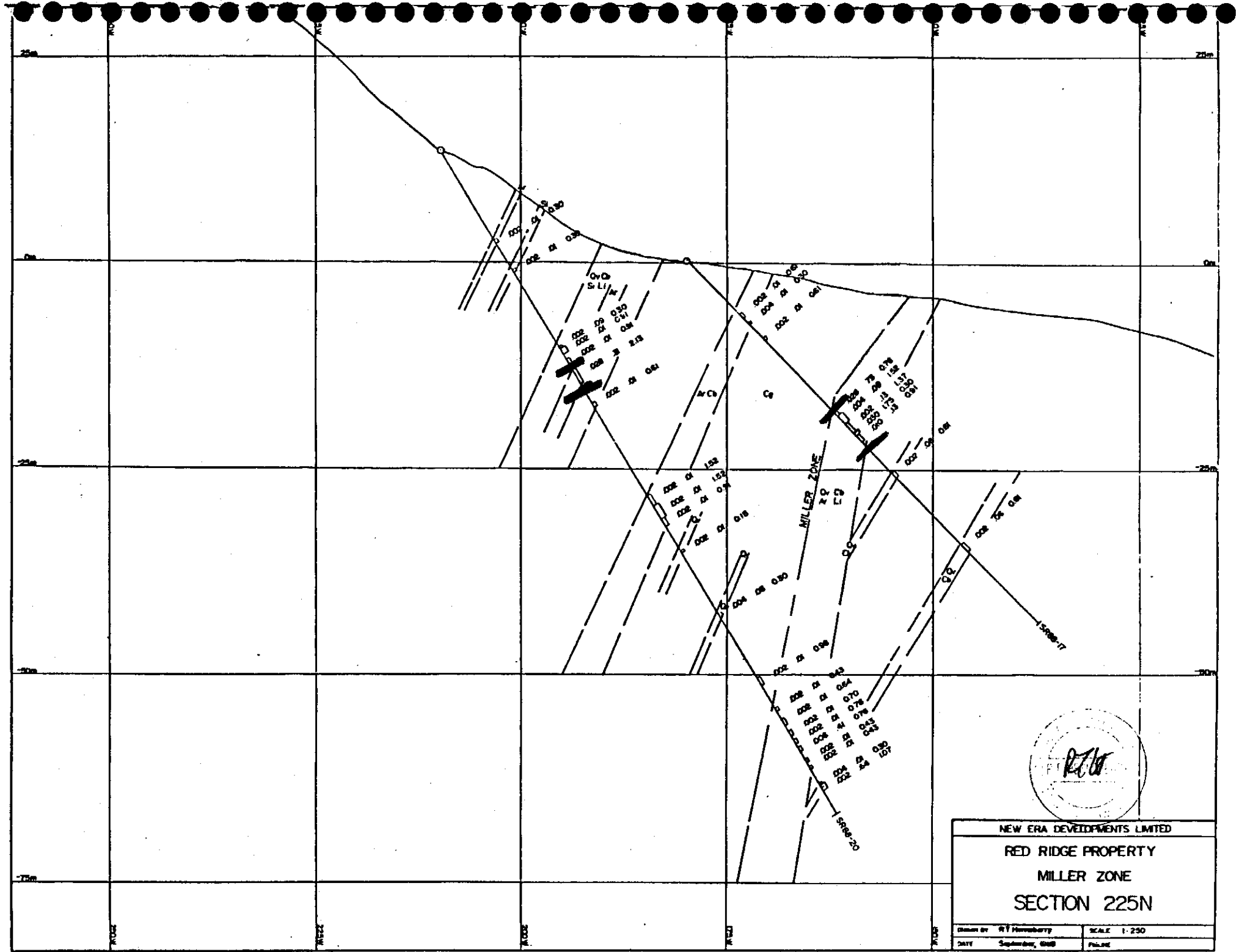
From	To	Description	Number	From	To	Width	opt	Au	opt	Ag
211.0	243.4	GRANODIORITE								
		As 173.0 - 203.3 with bleaching (argillic) and silicic alteration								
		->220.0-223.5 - Qtz stockwork with intense limonite stain and weathered sulfides	57736	220.0	223.5	3.5		0.002		0.57
		->232.0-232.4 - Limonite qtz vein. NUM	57737	232.0	232.4	0.4		0.002		0.01
		->234.5-236.5 - Argillic altered zone with limonite and 3mm qtz veinlet (0 ca).	57738	234.5	236.5	2.0		0.002		0.01
243.4	246.0	ANDESITE DYKE								
		Argillic altered with local limonite horizons (relict veins ?)	57739	243.4	246.0	2.6		0.002		0.01
246.0	258.0	GRANODIORITE								
		As 211.0 - 243.4 with weak argillic alteration and K-feldspar								
		-->242.0-252.0 - 3.5 feet lost								
258.0	263.0	RHYOLITE / RHYODACITE								
		Green color with fracture Mn stain								
263.0	272.0	GRANODIORITE								
		As 246.0 - 258.0 with minor argillic and K-feldspar alteration								
		--> 272.0 EOH								



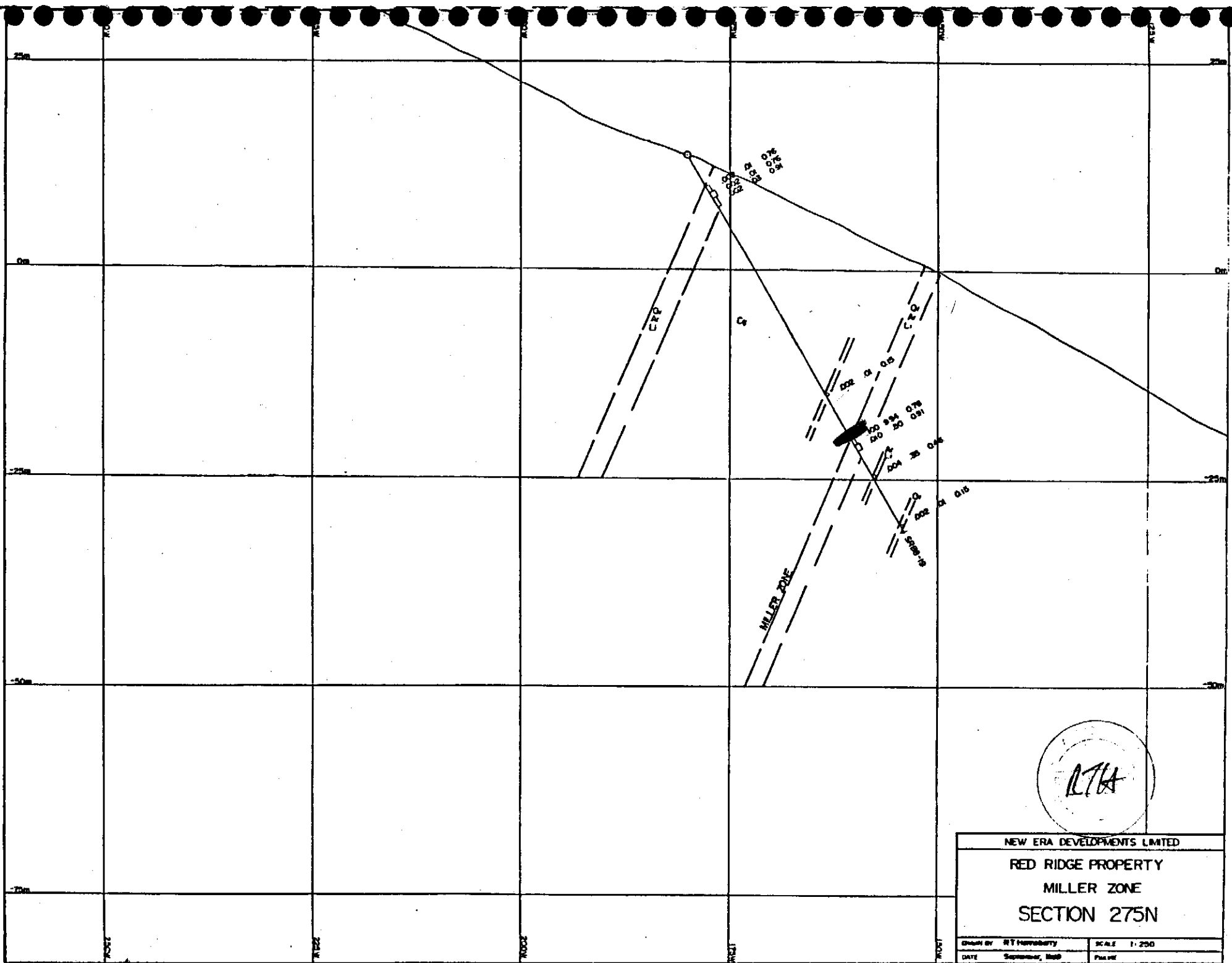
NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
MILLER ZONE	
SECTION 150N	
DRAWN BY: RY HANSEN	SCALE: 1:250
DATE: September, 1988	FILED:



NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
MILLER ZONE	
SECTION 200N	
Drawn by: R.T. Hensley	SCALE: 1" = 250'
DATE: September, 1988	FILE:



NEW ERA DEVELOPMENTS LIMITED	
RED RIDGE PROPERTY	
MILLER ZONE	
SECTION 225N	
Drawn by: R.T. Hensberry	Scale: 1:250
Date: September, 1988	Plate:



DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

MILLER ZONE

Hole No. SR88-16

Started : October 21, 1988

Finished : October 23, 1988

Logged By: W.Robb

Latitude 200N

Azimuth 140

Departure 210W

Dip -60

Elevation - 4.33 m Length 300 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	14.0	OVERBURDEN						
14.0	300.0	CONGLOMERATE						
		Gray green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite.						
		-> Fracture limonite to 60 feet						
		-> 25.3-28.0 - Limonite quartz vein with oxidized HW	57740	25.3	28.0	2.7	0.004	0.07
		-> 59.0-59.4 - Calcite vein	57741	59.0	59.4	0.4	0.002	0.01
		-> 79.5-80.2 - 5mm qtz vein (20 ca) with disseminated pyrite in wall rock	57742	79.5	80.2	0.7	0.002	0.01
		-> 83.0-83.5 - Weak argillic alteration with relict qtz vein (?) and disseminated pyrite	57743	83.0	83.5	0.5	0.110	3.18
		-> 92.0-93.0 - Type sample of granodiorite clasts	57744	92.0	93.0	1.0	0.002	0.03
		-> 107.3-107.5 - Type sample of andesite clasts	57745	107.3	107.5	0.2	0.002	0.03
		-> 108.5-112.0 - Carbonate stockwork with limonite and ankerite on fractures and disseminated pyrite	57746	108.5	112.0	3.5	0.002	0.01
		-> 117.0-119.5 - Carbonate stockwork with fracture limonite and ankerite and disseminated blebs of pyrite	57747	117.0	119.5	2.5	0.002	0.01

Hole No. SR88-15

From	To	Description	Number	From	To	Width	opt Au	opt Ag
14.0	300.0	CONGLOMERATE (Continued)						
		-> 119.5-195.0 - Weakly silicified with limonite and carbonate fractures and 1% disseminated pyrite						
		-> 128.0-129.0 - Type sample	57748	128.0	129.0	1.0	0.002	0.01
		-> 192.0-193.0 - Argillic alteration zone with carbonate stockwork and fracture limonite. NUM	57749	192.0	193.0	1.0	0.002	0.01
		-> 196.0-198.0 - Argillic alteration zone with carbonate stockwork and fracture limonite. NUM	57750	196.0	198.0	2.0	0.004	0.04
		-> 241.0-243.5 - Carbonate stockwork with fracture limonite and disseminated pyrite	57751	241.0	243.5	2.5	0.002	0.13
		-> 250.5-252.5 - Argillic alteration/ 3cm carbonate vein zone with minor pyrite	57752	250.5	252.5	2.0	0.002	0.01
		--> 300.0 EOH						

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

MILLER ZONE

Hole No. 5R88-17

Started : October 23, 1988

Finished : October 24, 1988

Logged By: W. Robb

Latitude 225N

Azimuth 140

Departure 180W

Dip -50

Elevation - 1.65 m

Length 202 ft

From feet	To	Description	Number	From	To	Width	opt	Au	opt	Ag
0.0	11.0	OVERBURDEN								
11.0	202.0	CONGLOMERATE								
		Grey green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite.								
		-> Fracture limonite to 60 feet								
		-> 30.0-32.0 - 15mm carbonate vein with limonite, ankerite and disseminated pyrite	57753	30.0	32.0	2.0	0.002		0.01	
		-> 35.0-36.0 - Type sample of chloritic conglomerate with disseminated pyrite	57754	35.0	36.0	1.0	0.004		0.01	
		-> 43.9-45.9 - Andesite clasts with fine-grained disseminated pyrite	57755	43.9	45.9	2.0	0.002		0.01	
		-> 84.0-100.0 - MILLER ZONE		48	52					
		-> 84.0-86.5 - Weak argillic alteration/ carbonate stockwork zone with disseminated galena and weathered sulfides in vugs	57756	84.0	86.5	2.5	0.028		0.73	
		-> 86.5-96.0 - Slightly oxidized carbonate/ qtz stockwork zone with patches of malachite, disseminated pyrite, and small pods of galena and chalcopyrite	57757	86.5	91.5	5.0	0.004		0.09	
			57758	91.5	96.0	4.5	0.002		0.13	
		-> 96.0-97.0 - Galena/ qtz vein with fracture limonite, malachite and chalcopyrite	57759	96.0	97.0	1.0	<u>0.030</u>		<u>1.75</u>	

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

MILLER ZONE

Hole No. SR88-18

Started : October 25, 1988

Finished : October 27, 1988

Logged By: W.Robb

Latitude 254N

Azimuth 140

Departure 202W

Dip -60

Elevation +27.19 m Length 307 ft

From	To	Description	Number	From	To	Width	opt Au	opt Ag
feet								
0.0	20.0	OVERBURDEN						
20.0	307.0	CONGLOMERATE						
		Gray green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite.						
		-> Fracture limonite to 50 feet						
		-> 37.0-38.0 - Argillic alteration with limonite and 5mm qtz veinlet. NUM	57763	37.0	38.0	1.0	0.002	0.01
		-> 50.0-53.4 - Carbonate stockwork NUM	57764	50.0	53.4	3.4	0.002	0.01
		-> 69.7-70.1 - 12mm carbonate vein (15 ca) with fracture limonite	57765	69.7	70.1	0.4	0.002	0.01
		-> 127.0-128.0 - Limonite/ silicified zone (relict vein ?)	57766	127.0	128.0	1.0	0.002	0.01
		-> 138.0-140.0 - 3mm qtz veinlet (10 ca) with weathered sulfides and minor disseminated pyrite.	57767	138.0	140.0	2.0	0.002	0.01
		-> 149.5-152.0 - Carbonate stockwork NUM	57768	149.5	152.0	2.5	0.002	0.01
		-> 172.0-174.5 - Argillic alteration with weak carbonate stockwork. NUM.	57769	172.0	174.5	2.5	0.002	0.01
		-> 224.0-227.0 - Oxidized limonite zone with calcite veinlets and minor malachite	57770	224.0	227.0	3.0	0.002	0.01

Hole No. SR88-18

From	To	Description	Number	From	To	Width	opt Au	opt Ag
20.0	307.0	CONGLOMERATE (Continued)						
		->248.0-248.5 - 25mm qtz/ feldspar vein NVM	57771	248.0	248.5	0.5	0.002	0.01
		->271.0-293.0 - MILLER ZONE						
		->271.5-275.0 - 30cm qtz/ carbonate vein with weathered sulfide vugs and limonite stain	57772	271.5	275.0	3.5	0.002	0.01
		->276.0-278.0 - Qtz/ carbonate breccia zone with limonite and disseminated pyrite	57773	276.0	278.0	2.0	0.002	0.01
		->280.0-281.0 - Relict carbonate vein (?) zone with pyrite.	57774	280.0	281.0	1.0	0.008	0.01
		->283.0-284.0 - Argillic altered zone with limonite and disseminated pyrite	57775	283.0	284.0	1.0	0.002	0.01
		->287.0-293.0 - Carbonate stockwork with qtz and limonite and disseminated pyrite	57776	287.0	293.0	4.0	0.002	0.01
		-->307.0 EOH						

DIAMOND DRILL RECORD

1 of 1

Property : Red Ridge

Hole No. SR88-19

MILLER ZONE

Started : October 27, 1988

Finished : October 28, 1988

Logged By: W.Robb

Latitude 275N

Azimuth 140

Departure 180W

Dip -60

Elevation +21.00 m Length 172 ft

From feet	To	Description	Number	From	To	Width	opt	Au	opt	Ag
0.0	11.0	OVERBURDEN								

11.0 172.0 CONGLOMERATE

Gray green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite.

->15.0-23.0 - Oxidized carbonate stockwork/ vein zone with limonite NUM

57777 15.0 17.5 2.5 0.002 0.01

57778 17.5 20.0 2.5 0.002 0.01

57779 20.0 23.0 3.0 0.002 0.03

->109.0-109.5 - Qtz/ carbonate vein with limonite NUM

57780 109.0 109.5 0.5 0.002 0.01

IN ACCEPTABLE - ~~NUM~~

->129.5-132.0 - Vuggy qtz vein with galena, malachite and limonite

57781 129.5 132.0 2.5 0.100 9.94

->132.0-135.0 - Oxidized zone with limonite and patchy malachite

57782 132.0 135.0 3.0 0.010 0.50

->146.0-147.5 - Oxidized qtz/ carbonate stockwork with limonite and disseminated fracture pyrite

57783 146.0 147.5 1.5 0.004 0.35

->169.0-169.5 - 25mm carbonate vein NUM

57784 169.0 169.5 0.5 0.002 0.01

-->172.0 EOH

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

MILLER ZONE

Hole No. SR88-20

Started : October 28, 1988

Finished : October 30, 1988

Logged By: W.Robb

Latitude 225N

Azimuth 140

Departure 210W

Dip -60

Elevation +12.16 m

Length 310 ft

From feet	To	Description	Number	From	To	Width	opt	Au	opt	Ag
0.0	11.0	OVERBURDEN								
11.0	310.0	CONGLOMERATE								
		Gray green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite.								
		-->12.0-22.0 - 3 feet lost								
		->42.0-43.0 - Weak argillic alteration with limonite NVM	57785	42.0	43.0	1.0	0.002		0.01	
		->57.0-58.0 - Weakly silicified with limonite NVM	57786	57.0	58.0	1.0	0.002		0.01	
		-->92.0-102.0 - Broken core								
		->92.0-96.0 - Qtz/ carbonate stockwork with silicification and limonite. 25mm qtz vein (50 ca) at 92.4 ft	57788	92.0	93.0	1.0	0.002		0.09	
			57787	93.0	96.0	3.0	0.002		0.01	
		->98.5-101.5 - Oxidized breccia zone with limonite and disseminated pyrite	57789	98.5	101.5	3.0	0.002		0.01	
		->103.0-110.0 - Weak argillic alteration/ breccia zone with abundant limonite. NVM	57790	103.0	110.0	7.0	0.028		0.31	
		->119.0-121.0 - Carbonate stockwork/ breccia zone with limonite. NVM	57791	119.0	121.0	2.0	0.002		0.01	

INACCESSIBLE - [REDACTED]

Hole No. SR88-20

From	To	Description	Number	From	To	Width	opt Au	opt Ag
11.0	310.0	CONGLOMERATE (Continued)						
		->162.0-172.0 - Argillic alteration/ carbonate stockwork with limonite and disseminated pyrite	57792	162.0	167.0	5.0	0.002	0.01
			57793	167.0	172.0	5.0	0.002	0.01
		->172.0-175.0 - Carbonate stockwork/ silicification with disseminated pyrite	57794	172.0	175.0	3.0	0.002	0.01
		->187.0-187.5 - 3mm pyrite veinlet	57795	187.0	187.5	0.5	0.002	0.01
		->217.5-218.5 - Qtz vein with calcite vugs, limonite and patchy malachite	57796	217.5	218.5	1.0	0.004	0.03
		->248.5-251.7 - Weak argillic alteration/ carbonate stockwork zone NUM	57797	248.5	251.7	3.2	0.002	0.01
		->262.0-263.4 - Carbonate stockwork. NUM	57798	262.0	263.4	1.4	0.002	0.01
		->267.0-269.1 - Carbonate stockwork with limonite NUM	57799	267.0	269.1	2.1	0.002	0.01
		->272.0-274.3 - Argillic alteration NUM	57800	272.0	274.3	2.3	0.002	0.01
		->276.4-278.5 - Carbonate stockwork with silicification and disseminated pyrite	57801	276.0	278.5	2.5	0.002	0.01
		->280.0-282.5 - Weak argillic alteration/ carbonate stockwork with disseminated pyrite	57802	280.0	282.5	2.5	0.006	0.41
		->285.2-286.6 - Qtz/ carbonate stockwork with disseminated pyrite	57803	285.2	286.6	1.4	0.002	0.01
		->288.6-290.0 - Weak argillic alteration with oxidized qtz/ carbonate stockwork and limonite NUM	57804	288.6	290.0	1.4	0.002	0.10
		->295.0-296.0 - Limonite breccia zone NUM	57805	295.0	296.0	1.0	0.004	0.01
		->296.0-299.5 - Qtz vein with limonite and disseminated pyrite	57806	296.0	299.5	3.5	0.002	0.64
		-->310.0 EOH						

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

MILLER ZONE

Hole No. SR88-21

Started : October 30, 1988

Finished : October 31, 1988

Logged By: W.Robb

Latitude 250N

Azimuth 140

Departure 180W

Dip -50

Elevation + 9.17 m

Length 150 ft

From feet	To	Description	Number	From	To	Width	opt	Au	opt	Ag
0.0	12.0	OVERBURDEN								
12.0	150.0	CONGLOMERATE								
		Grey green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite.								
		->40.0-42.5 - Broken core/ limonite zone with disseminated pyrite	57807	40.0	42.5	2.5	0.002		0.01	
		->46.0-48.3 - Broken core/ limonite zone NVM	57808	46.0	48.3	2.3	0.002		0.01	
		->68.0-69.0 - Weak argillic alteration with carbonate veinlets and limonite. NVM	57809	68.0	69.0	1.0	0.002		0.01	
		->77.0-79.0 - Carbonate/ breccia zone with limonite. NVM	57810	77.0	79.0	2.0	0.002		0.01	
		->80.5-82.5 - Carbonate/ breccia zone with limonite. NVM	57811	80.5	82.5	2.0	0.002		0.01	
		->97.0-111.0 - MILLER ZONE								
		->97.0-102.0 - Weak argillic alteration/ qtz/ carbonate zone with limonite and patchy malachite (85% recovery)	57812	97.0	102.0	5.0	0.002		0.36	
		->102.0-104.5 - Carbonate stockwork with limonite. NVM (57% recovery)	57813	102.0	104.5	2.5	0.002		0.01	

Hole No. SR88-21

From	To	Description	Number	From	To	Width	opt Au	opt Ag
12.0	150.0	CONGLOMERATE (Continued)						
		->104.5-105.8 - Vuggy, oxidized qtz vein with limonite and weathered sulfide vugs NUM	57814	104.5	105.8	1.3	0.002	0.10
		->105.8-111.0 - Oxidized carbonate stockwork NUM	57815	105.8	111.0	5.2	0.002	0.06
		->128.3-129.0 - Argillic alteration with limonite NUM	57816	128.3	129.0	0.7	0.002	0.01
		-->150.0 EOH						

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

MILLER ZONE

Hole No. SR88-22

Started : October 31, 1988
 Finished : November 01, 1988
 Logged By: R.T.Henneberry

Latitude 200N Azimuth 140
 Departure 180W Dip -50
 Elevation -10.26 m Length 152 ft

From feet	To	Description	Number	From	To	Width	opt Au	opt Ag
0.0	10.0	OVERBURDEN						
10.0	81.5	CONGLOMERATE Grey green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite. -> 10.0-60.0 - Limonite fractures -->27.0-29.0 - Broken core with vertical limonite fractures						
81.5	82.5	ANDESITE DYKE (60 ca) Green grey in color. Well chloritized. Limonite on contacts and fractures. NVM						
82.5	152.0	CONGLOMERATE As 10.0 - 81.5 ->110.5-112.5 - MILLER ZONE 15cm qtz vein with HW and FW argillic alteration and limonite. Vein is broken cobbles 2% pyrite. ->130.0-132.0 - Weak argillic, silicic alteration with limonite and 1% pyrite. 5mm cb vnlet (20 ca) on FW contact. -> 110.0-152.0 - 1/2% cb stringers and veinlets	57817	110.5	112.5	2.0	0.002	0.01
			57818	130.0	132.0	2.0	0.002	0.01

Hole No. SR88-22

From	To	Description	Number	From	To	Width	opt Au	opt Ag
82.5	152.0	CONGLOMERATE (Continued)						
		->150.5-152.0 - 1cm oxidized cb	57819	150.5	151.0	0.5	0.002	0.03
		vein (60 ca) with limonite and						
		weak argillic alteration. NUM						
		-->152.0 EOH						

DIAMOND DRILL RECORD

1 of 2

Property : Red Ridge

MILLER ZONE

Hole No. 5R88-23

Started : November 01, 1988

Finished : November 02, 1988

Logged By: R.T.Henneberry

Latitude 150N

Azimuth 140

Departure 190W

Dip -50

Elevation -24.80 m Length 148 ft

From feet	To	Description
0.0	12.0	OVERBURDEN

Number	From	To	Width	opt Au	opt Ag
--------	------	----	-------	--------	--------

12.0 140.5 CONGLOMERATE

Gray green in color with sub-angular clasts of granodiorite and andesite to 60cm. Granodiorite clasts are fresh with local well chloritized and argillized horizons. Andesite clasts are chloritized. Matrix is chloritized and micaceous. Trace to 2% pyrite.

-->12.0-22.0 - 1 foot lost

-->12.0-13.0 - Broken core with limonite

-->19.5-20.5 - Broken core with limonite

->24.0-26.0 - Weak argillic alteration with limonite NUM

->29.0-30.0 - Broken core with limonite and 1cm cb vein (40 ca) NUM

-->32.0-37.0 - 2 feet lost

-->36.5-37.2 - Broken rounded core with limonite

->44.5-48.5 - Argillic alteration/ breccia zone with limonite and carbonate on fractures. 1% disseminated pyrite

->60.2-60.6 - Qtz vein/ argillic, silicic alteration zone (60 ca) with limonite, chlorite and minor k-feldspar. 1% disseminated pyrite

57820	24.0	26.0	2.0	0.002	0.01
57821	29.0	30.0	1.0	0.002	0.01
57822	44.5	48.5	4.0	0.002	0.01
57823	60.0	63.0	3.0	0.002	0.01
57824	63.0	67.0	4.0	0.002	0.01

Hole No. SR88-23

From	To	Description	Number	From	To	Width	opt Au	opt Ag
12.0	140.5	CONGLOMERATE (Continued)						
		-->76.0-76.5 - broken rounded core						
		-->96.5-97.5 - MILLER ZONE	57825	96.5	97.5	1.0	0.004	0.07
		Intense limonite zone with qtz and cb stringers and vnlets (40 to 50 ca). 2% weathered sulfide vugs. 1% disseminated pyrite.						
		-> 97.5-148.0 - 1% to 3% carbonate veinlets and stringers						
		-->136.0-140.0 - Argillic alteration with subparallel cb vnlets (45 ca) and limonite. NUM	57826	136.0	140.0	4.0	0.002	0.01
140.5	143.5	ANDESITE DYKE						
		Grey green in color. Limonite carbonate gouge on HW contact (75 ca). NUM						
143.5	148.0	CONGLOMERATE						
		As 12.0 - 140.5						
		-->148.0 EOH						