ASSESSMENT REPORT ON DIAMOND DRILLING DIAMOND DRILLHOLES LB93-1 TO LB93-8

CONSOLIDATED RAMROD GOLD CORPORATION

LIBBY PROPERTY

LIBBY 1 CLAIM

SALMO AREA

NELSON MINING DIVISION

NTS 82 F/3E

Latitude: 49° 00'N

Longitude: 117° 11'W

OPERATOR

CONSOLIDATED RAMROD GOLD CORP.

Suite 104, 135 - 10th Avenue South
Cranbrook, B.C.
V1C 2N1

Work performed from October 31, 1993 to November 30, 1993

Report by: E.G. Olfert, P. Geo. (B.C.), P. Geol. (Alta)
May 1994

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CONSOLIDATED RAMROD GOLD CORPORATION

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LIBBY PROPERTY

NELSON MINING DIVISION

E.G. Olfert, P. Geo., P. Geol. May 1994

1.00 INTRODUCTION

1.10 Location and Access

The property is located in the Nelson Mining Division south-central British Columbia (Figure 1). The claims are centered near geographic coordinates 49° 00'N, latitude, and 117° 11' W. longitude, on NTS map sheet 82F/3E, about 20km southeast of Salmo, B.C. The Canada-U.S.A. border forms the southern property boundary.

Access is via Highway #3 which passes through the center of the property. Old mining roads extend south to the B.C.-Washington border on the Libby 1 claim.

1.20 Physiography

The Libby property is situated in the Nelson Range subdivision of the Selkirk Mountains. It covers the southern flank of Lost Mountain, the westerly flank of Ripple Mountain and is dissected by the South Salmo River, Lead Creek and Stagleap Creek. Elevations range from 792m (2600') in the South Salmo River to over 1500m (5000') on several ridge tops. The area is heavily wooded with conifers including cedar. The property has steep terrain which can generally be traversed except for occasional cliff outcrops. The lower area of the property near the South Salmo River is slated for logging in the near future.

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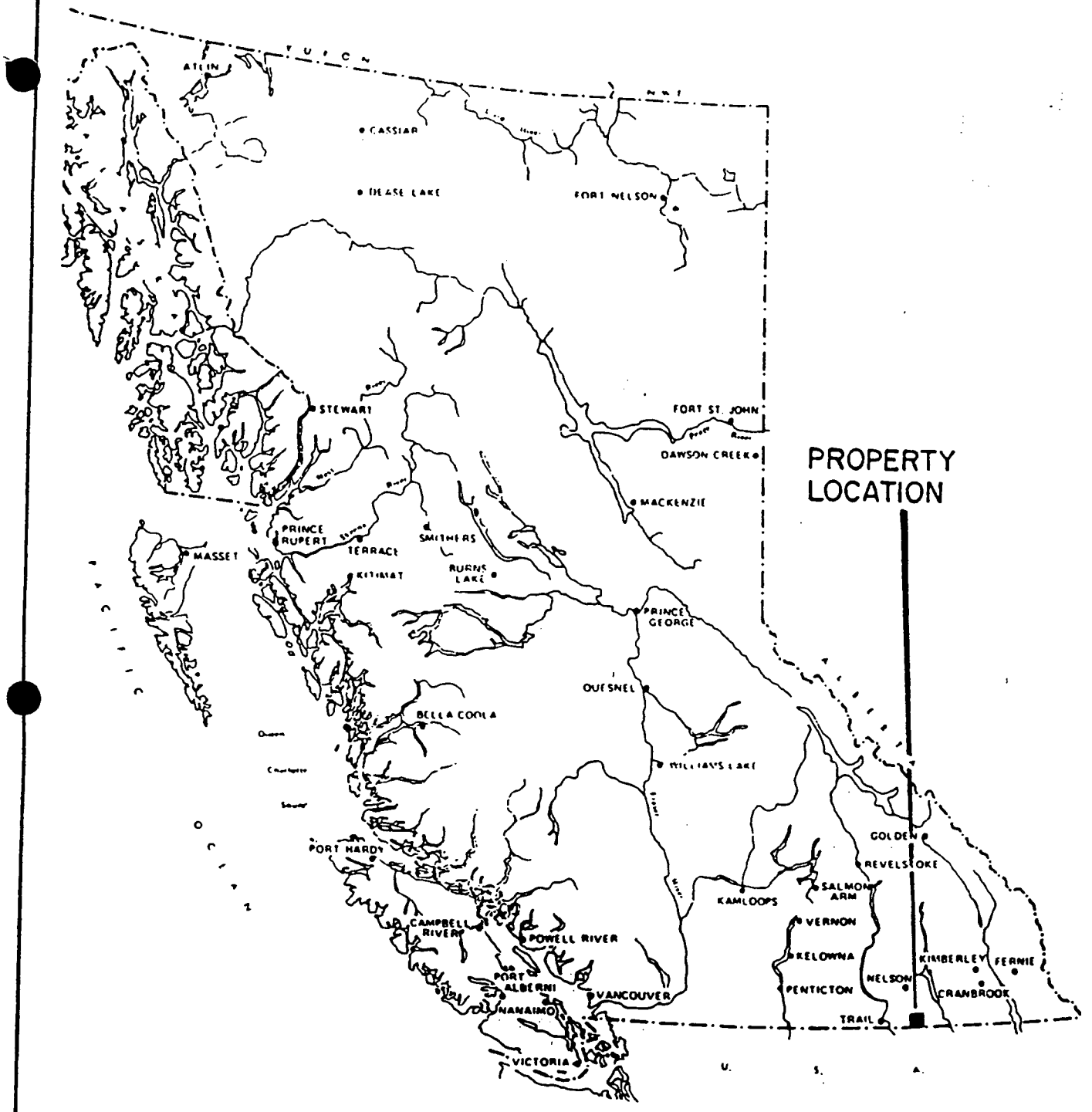


TIMMAX RESOURCES CORPORATION

LIBBY PROPERTY

LOCATION MAP

N.T.S. 82F-3E

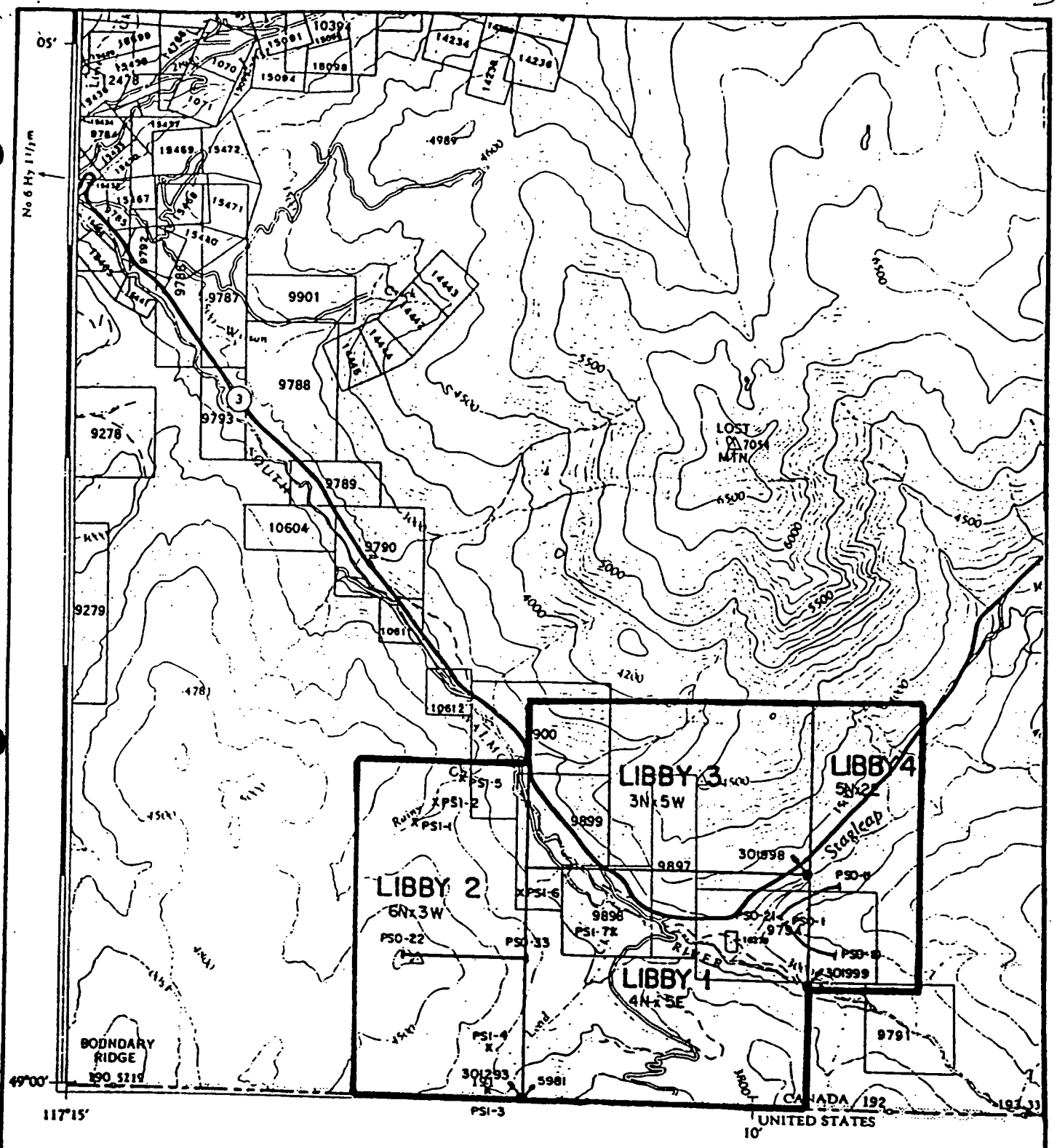
NELSON M.D., B.C.

0 100 200 400 KM.

SCALE 1:8,000,000

FIGURE 1

CHONG



TIMMAX RESOURCES CORPORATION

LIBBY PROPERTY

CLAIM MAP

N.T.S. 82F-3E NELSON M.D., B.C.

0 1 2 3 KM.

SCALE 1:50,000 FIGURE 2

CHONG

1.30 Property

The Libby property consisting of 4 modified grid claims, totalling 63 units, covers about 1575ha (3892 acres). The property is held under option by Consolidated Ramrod Gold Corporation from Timmax Resources Corporation. The claims are located on Figure 2 with pertinent claim data summarized in the following table.

NAME	UNITS	RECORD NO.	EXPIRY DATE
Libby 1	20	234483	*Oct. 24/97
Libby 2	18	301293	*June 18/97
Libby 3	15	301998	*July 4/97
Libby 4	10	301999	*July 3/97
Total Units	63		

*Expiry date before filing of work in this report.

1.40 History

The Libby property covers the Old Ed lead/zinc prospect with B.C. Government Mineral Inventory Number 83F/SW-3. The property was first explored in the 1950's by International Lead and Zinc Mines Ltd. of Vancouver, B.C. It is first reported in the 1952 Minister of Mines Report. In 1952, a jeep road was built to the showings and some Bulldozer stripping was conducted. In 1953, hand-cobbed high-grade was mined from a shallow shaft and 1.5 tons was shipped containing a total of 5 oz silver, 2357 lbs lead, and 44 lbs zinc (Fyles and Hewlett, 1959, p.94)

The B.C. Government Mineral Inventory reported a shipment of 255 tonnes in 1970 yielding 124 grams gold, 1,306 grams silver, 577kg lead, and 764kg zinc.

The Ed showing has been covered by claims since 1970 but no reports of work on the claims have been found. In 1989, the Libby 1 claim was staked by Victor Guinet and optioned to Worthington Resources Ltd. In 1990, an initial geological and geochemical sampling was conducted whereby 196 soils and 19 rocks were analyzed. The best mineralization located returned 9.2% zinc across 1.2m.

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In 1991, the property was acquired under option by Timmax Resources Corp. An exploration program consisting of prospecting, trenching and extensive soil sampling was conducted (a total of 1690 soil samples). A new mineral showing known as the Yellow Zinc showing was discovered during this program with assays up to 37% zinc in grab samples.

In 1992, the property was optioned by Consolidated Ramrod Gold Corporation from Timmax.

1.50 Scope of Present Program

In November 1993, Consolidated Ramrod Gold Corp. drilled 833m (2732') in 8 drillholes, LB93-1 to 8, subsequent to an I.P. survey which was conducted on the Libby 1 claim to cover all the mineralized areas and geochemical anomalies discovered on the property.

2.00 GEOLOGY

2.10 Regional Geology

The Libby property is situated in the Kootenay Arc subdivision of the Omineca Tectonic Belt of the southern Canadian Cordillera. The Kootenay Arc is a curved belt of deformed sedimentary, volcanic and metamorphic rocks trending southeasterly near Revelstoke, southerly along Kootenay Lake and southwesterly in Washington State. The south end is covered by the Columbia River basalts. The Arc, with a stratigraphic sequence from Cambrian to late Mesozoic, lies between the Purcell Anticlinorium on the east and gneiss of the Shuswap metamorphic complex on the west.

The geology of the Salmo area has been mapped by Fyles and Hewlett (1959) for the B.C. Department of Mines and by Walker (1934) and Little (1964) for the Geological Survey of Canada.

2.20 Property Geology

The area of the Libby property is underlain by early Palaeozoic Cambrian carbonates of the Laib and Nelway Formations and dark graphitic argillites of the Ordovician Active Formation. Rock units trend north-northeast with generally steep easterly dips. The property is situated between the axis of the Sheep Creek Anticline to the west and the Laib Syncline to the east. A number of faults trend southwest/northeast and northwest/southeast across the area of the property.

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Locally the Libby 1 claim is primarily underlain by the Nelway Formation which hosts all of the surface mineralization known to date. The lithology consists of steep easterly dipping cherty shallow-water dolomites and minor limestones which are extensively brecciated and locally mineralized with sphalerite and galena. To the south of the border the Nelway Formation (metaline formation) is mineralization along 2 productive stratigraphic horizons:

i) The Josephine Horizon, near the top of the sequence contains reddish sphalerite and galena in a cherty brecciated dolomite and
ii) The Yellowhead Horizon, occurs about 300m (1000') below the Josephine Horizon and contains stratabound fine grained pyrite and yellowish sphalerite.

On the Libby property these two horizons are not as well defined.

The best mineralization known to date occurs within the so called Yellow Zinc showing. Mineralization consists of massive to semi-massive sphalerite layers in siliceous cherty dolomite exposed by trenching over a 20m width. The best chip samples returned 4.0m of 12.82% zinc and 1.7m of 23.51% zinc (Timmax Report, 1991). Other mineralized showings consist of lead/zinc mineralized shears (adit and shaft showing) and galena and sphalerite mineralized cherty brecciated dolomitic (north ridge showing) all of which occur stratigraphically higher within the Nelway Formation.

3.00 DIAMOND DRILLING

Eight NQ diamond-drillholes totalling 833m (2732') were drilled on the Libby 1 claim during November 1993. The drilling was conducted to test a number of I. P. anomalies from a survey conducted earlier in 1993 and several surface showings including the Yellow Zinc showing and the shaft and adit showing.

No significant lead/zinc sulphide intersections were encountered. The I.P. targets tested proved to be argillaceous graphitic material and pyritic pyrrhotite bands and disseminations within brecciated dolomites without lead/zinc sulphides. The surface showings tested contained only traces of amber to yellow sphalerite associated with secondary dolomitization and brecciation. Details of individual holes are as follows:

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LB93-1 (24+64N, 42+40E) (-45°)

This hole was designed to test a recessive area and several structure controlled sphalerite/galena showings in the vicinity of the shaft (about 150 meters east of the yellow Zn showing). Trace amounts of crystalline sphalerite associated with silica healed dolomite breccia were encountered in two intervals about ½ meter wide each.

LB93-2 AND 3 (24+40N, 41+05E) both at -45°)

A 150m (500') hole (LB-2) was drilled directly beneath the yellow Zn showing, and encountered a 1.77m (5.8') interval containing fine-grained oxidized pyrite (2-3%) and traces of weathered sphalerite; a 15cm section of the above interval may contain + 5% sphalerite. The mineralization occurs within a cherty dolomite solution collapse breccia zone with secondary dolomite which extends to a depth of 32.6m. LB93-2 intersected approximately 7.6m below the surface showing. Three additional zones between 55m and 100m encountered 15-30cm sections of amber to yellow replacement sphalerite (5-10%) associated with white dolspar.

A short hole, LB93-3, was drilled from the same location as LB-2 to intersect the southern edge of the yellow Zn showing but only encountered a 0.6m zone of pyritic (5%) sulphides rimming breccia fragments in a matrix of white secondary white dolspar.

LB93-4 (L26N, 53+58.5E) (-45°)

This hole tested an I.P. anomaly at the contact of the Active Formation slates with the Nelway Formation. Extensive limonitic fault gouge occurred in the overlying shales but without any positive reaction to Zn test solution. The underlying dolomites were extensively brecciated, presquilized and infilled with argillaceous material but without sulphide mineralization.

LB93-5 (L28S, 50+29E) (-45°)

This hole tested an I.P. target more removed from the shale/carbonate contact encountered in LB93-4. Again extensive solution collapse brecciation and recrystallization was encountered but with an argillaceous matrix which accounts for the I.P. anomaly.

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LB93-6 (29+94N, 48+50E (-90°)

This hole tested a weak I.P. anomaly, also within the upper carbonate package and encountered extensive sections of brecciated chert with minor amounts of argillaceous carbon. Deeper within this hole (63-78m) traces of oxidized pyrite were found associated with secondary dolomitization.

LB93-7 (L30N, 38+64E)(-45°)

This hole tested an I.P. anomaly at the lower contact of the Nelway Formation. Besides grey phyllite and black argillite this hole intersected a medium grained tan-coloured dolomite with disseminated to lensey massive pyrrhotite and minor pyrite over a thickness of 15m (50') (approximately 5% pyrrhotite, pyrite). Some weakly anomalous geochemical values of Cu, Pb, Zn, Co are associated with the sulphides.

LB93-8 (33+03N, 46+75E) (-45°)

This was the final hole drilled to test I.P. anomalies located in the upper carbonate package. This hole encountered an extensive zone of mixed argillaceous dolomitic breccias, presquilization and disseminated pyritic sulphides over 46m (150') but without any visible Pb/Zn sulphides. Included in the above is a 25cm section of massive pyrite. Geochemically anomalous lead is associated with the pyrite.

4.00 CONCLUSION

In conclusion, the known showings and I.P. anomalies appear to be adequately tested and do not appear to hold any immediate potential Pb/Zn sulphide mineralization. However, the Yellow Zinc showing appears to be located lower within the Nelway Formation and has similarities to mineralization in the Yellowhead horizon across the border. Some additional work is recommended along Lead Creek, between the Yellow Zinc showing and the International border especially in areas containing anomalous Pb/Zn geochemical values in soils stratigraphically close to the Yellowhead horizon which is documented south of the border.

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REFERENCES

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Little, H.W., 1964. Geology, Salmo, British Columbia. Geological Survey of Canada, Map 1145A.

Fyles, J.T., and Hewlett, C.G., 1959. Stratigraphy and Structure of the Salmo Lead-Zinc Area. B.C. Department of Mines, Bulletin No. 41, page 162.

Fyles, J.T., 1970. Geological Setting of the Lead-Zinc Deposits in the Kootenay Lake and Salmo Areas of British Columbia. In Soc. Econ. Geol. Bull. 61, pages 41-53.

Yorston, R., 1990. Geology and Geochemistry Report on the Libby 1 Claim. Assessment Report for Worthington Resources, dated September 1990.

STATEMENT OF EXPENDITURES

DIAMOND DRILLING PROGRAM

ON LIBBY 1 CLAIM
Nelson Mining Division
NTS 82F/3

Covering the period of October 31, to November 30, 1993

DIRECT		
Leclerc Drilling Ltd.		
Box 94, Beaverdell, B.C., V0H 1A0		
LB93-1 to 8		$ 45,856.64
INDIRECT		
Geological Consultant: Ernie Olfert Consulting		
Supervision, core logging, report writing		
17 days @ $225/day		3,825.00
Labourer: Brian Collison		
Haul core from Salmo to Cranbrook,		
cut core, build core racks, etc.		
10 days @ 175/day		1,750.00
Assays: Rossbacher Laboratories Ltd., Burnaby, B.C.		
5 samples @ 13.50/sample		67.50
Domicile: Food		135.59
Lodging		189.00
Phone Calls		161.13
Fuel:		77.57
Computer Charges: AutoCad		
Digitize Base Map and draw drillhole sections		
48 hours @ $50/hour (computer + operator)		2,400.00
Core Boxes: 178 boxes @ 6.25/box		1,112.50
Transportation: 1 4x4 truck		
10 days @ 100/day		1,000.00
Rent core logging facility, Salmo B.C.		250.00
	TOTAL	$ 56,824.93

Ernest G. Olfert
P.Geo., P.Geol.

AUTHOR'S QUALIFICATIONS

As author of this report I, Ernest G. Olfert, certify that:

1. I am a consultant geologist with Consolidated Ramrod Gold Corp. whose office is at 104 - 135 - 10th Ave. S., Cranbrook, B.C.

2. I am a Member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

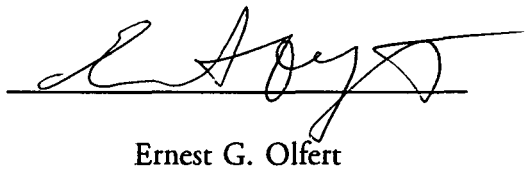
3. I am a fellow member of the Geological Association of Canada.

4. I am a member in goodstanding of the Association of Professional Engineers, Geologists and Geophysicists of the Province of Alberta.

5. I have been actively involved in mining and exploration geology, primarily in Western Canada, for the past 24 years.

6. I have been employed by a major mining company.

Dated at Cranbrook, British Columbia, this May 1994.



Ernest G. Olfert
P.Geo., P.Geol.

APPENDIX I

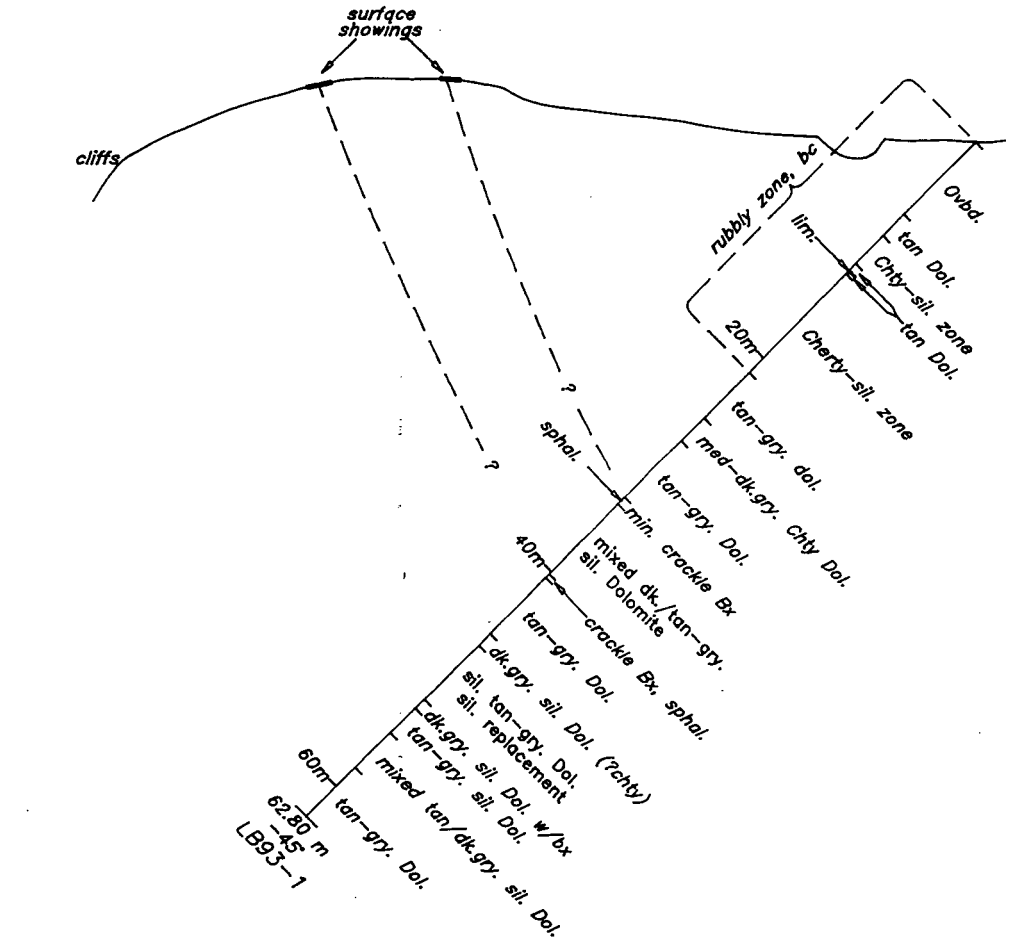
Drill logs and Cross-sections

PROPERTY: LIBBY HOLE NO.: LB93-1

COMMENCED: 11/02/93	**LOCATION:** 7.13 m @ 343° FROM STAT. 00	CORR. DIP: -45°
COMPLETED: 11/03/93	**GRID LOCATION: (42+40E, 24+64N)**	**CLAIM: Libby 1**
LOGGED BY: E. OLFERT	LENGTH: 62.8 m	AZIMUTH: 343°
DATE LOGGED: 11/03/93	CORE SIZE: NQ	TESTS: TO TEST MINERALIZED ZONES AROUND THE SHAFT AREA
LATITUDE: LONGITUDE:	HOR. COMP:	VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-6.71 m	OVERBURDEN (CASING) BROKEN SHEARED ZONE FROM 0-21.34 M.					
6.71-8.69 m	DOLOMITE: Tan grey rubbly broken core; hairline white silica veinlets, fine to medium grained, fault breccia near base; sparry subrounded organic forms 1 cm in diameter at 7.95 m.					
8.69-11.28 m	CHERTY SILICEOUS ZONE: Medium to dark green, rubbly zone, several thin sparry dolomite veinlets.					
11.28-11.89m	DOLOMITE: As 6.71-8.69 m interval with some organic sparry rounded forms. Broken, rubbly core.					
11.89-11.98m	LIMONITE:					
11.98-12.2 m	AS 11.28-11.89 M INTERVAL: More ground up and more cherty.					
12.2-21.34 m	CHERTY SILICEOUS ZONE: Medium to dark grey; brittle fractured and rubbly core, birds eye texture at 19.5 m, fault breccia textures near base; fractures at 45° to core parallel.					
21.34-25.6 m	DOLOMITE: Tan grey to creamy; dark grey bands at Lower Contact with 1 cm rounded organic forms. Local crackle breccia above 22.87 m with light grey silica matrix. Banding near base approximately 45° to the core axis.					
25.6-27.74m	MEDIUM TO DARK GREY CHERTY DOLOMITE: Mottled textures; bioturbated near base. Some intraformational breccia near top with banding approximately 50° to the core axis. Some white sparry dolomite veining.					
27.74-33.08m	TAN GREY DOLOMITE: Banding at 32.31 m of 40-45°, siliceous especially in darker grey zones. Organic rounded forms to 1.5 cm are silica replaced. Minor crackle breccia with grey silica healing (one occurrence of trace ZnS with silica at 32.35 m.)					
33.08-33.75m	MINERALIZED CRACKLE BRECCIA: Tan to medium grey dolomite breccia (solution collapse) healed by grey silica. Isolated amber ZnS crystals to 1 cm associated with silica approximately ½% ZnS.					
33.75-40.21m	MIXED DARK GREY AND TAN GREY DOLOMITE ZONE: Dark zones more siliceous, fine to medium grained, bioturbated mottled textures, algae banded forms 45° to the core axis. Also up to 1 cm spheriods, minor zebra textures with open vugs, minor dolspar healed breccia.					
40.21-40.55m	MINERALIZED CRACKLE BRECCIA: Dark grey + sparry dolomite healed with silica. Trace amber ZnS except concentrated disseminations in the basal 7 cm.					
40.55-45.79m	TAN GREY DOLOMITE: As 27.74-33.08 m, minor mottled and zebra textures. Rounded forms to 1.5 cm, some are silica replaced.					
45.79-46.86m	DARK GREY SILICEOUS DOLOMITE (? CHERTY): Fine to medium grained; some white dolspar veining (5%).					
46.86-51.92m	SILICEOUS TAN GREY DOLOMITE: Local sections have mottled and solution collapse breccia textures with mostly silica + minor dolspar healing. Some rounded spheroids to 1 cm, also replaced by silica.					

METERAGE FROM	TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
51.92	52.74m	DARK GREY SILICEOUS DOLOMITE: Subrounded breccia textures up to several cm fragments. Matrix siliceous with minor dolspar.					
52.74	55.03m	TAN GREY SILICEOUS DOLOMITE AS ABOVE: Silica veinlets + breccia healing.					
55.03	58.23m	MIXED TAN GREY AND DARK GREY SILICEOUS DOLOMITE AS ABOVE: Subrounded breccia texture in grey dolomite 55.03-55.5 m, texture at 55.8 m shows silica rimming void with dolspar in center; rounded spheroids 1 cm common also mottled algae mat textures.					
58.23	62.8m	TAN GREY MEDIUM GRAINED DOLOMITE: Numerous organic subrounded forms up to +1 cm replaced by silica.					
62.8 m		END OF HOLE					
		Core is stored in racks at Vine property.					
		SUMMARY					
		1. Weak ZnS mineralization associated with healed silica crackle breccia 33.08-33.75 m and 40.21-40.55 m (Josephine type).					
		2. Extensive cherty brittle zones probably sheared up near top of hole.					
		3. Silica replacement and breccia healing common but breccia is too localized and silica is usually without mineralization.					
		4. Surface showings are probably not directly connected to mineralization in core.					



0 10 20
metres

Consolidated Ramrod Gold Corporation

LIBBY PROPERTY

Libby (Shaft Target)
DDH: LB93-1

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

CAD Filename: d:\libby\dwg\LB9394.dwg

PROPERTY: LIBBY HOLE NO.: LB93-2

COMMENCED: 11/03/93	LOCATION: 23.5 m at 119° FROM STAT. 24	CORR. DIP: -45°
COMPLETED: 11/05/93	GRID LOCATION: (41+04E, 24+41N)	CLAIM: LIBBY 1
LOGGED BY: E. OLFERT	LENGTH: 152.44 m	AZIMUTH: 300°
DATE LOGGED: 11/05/93	CORE SIZE: NQ	TESTS: TO TEST SURFACE YELLOW ZINC SHOWING
LATITUDE: LONGITUDE:	HOR. COMP:	VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-6.1 m	OVERBURDEN					
6.1-10.37 m	DOLOMITE/CHERT BRECCIA: (Solution collapse) angular dark grey chert fragments to 2 cm, dolspar and silica matrix, trace oxidized py specks ± ZnS.					
10.37-12.13m	WEAK MINERALIZED ZONE: Host rock as above; disseminated fine grained ZnS + py; py is oxidized to limonitic. ZnS +5% over 15 cm section (amber color)(10.67 m) Limonitic 2-3% overall. Trace oxidized ZnS in rest of interval, some subrounded dark chert (silica) fragments up to 1 cm.					
12.13-13.41m	TAN CREAMY DOLOMITE: Fine to medium grained, local banding at 45° to the core axis.					
13.41-19.36m	DARK GREY AND TAN DOLOMITE BRECCIA: Breccia includes both intraformation and dolspar healed solution collapse type. Some algae mat banding texture (70° to core axis). Dark cherty fragments and siliceous matrix. Oxidized coarse py (limonitic) at 18.75 m; weak oxidized rusty traces elsewhere.					
19.36-21.65m	TAN CREAMY DOLOMITE: Medium grained, except in sparry zebra sections; fine dark grey breccia fragments near base of unit; weak rusty traces along fractures.					
21.65-26.37m	TAN DOLOMITE WITH SECTIONS OF DARK GREY CHERTY BRECCIA: Fragments up to 4 cm but commonly 1 cm or less. Earthy limonite/quartzite at 24.39 m.					
26.37-27.13m	WEAK OXIDIZED PYRITE ZONE: Host rock as above; oxidized rust along fractures and as coarse cubes. (<5%)					
27.13-32.71m	MOTTLED GREY AND WHITE DOLOMITE: More dolspar and pseudo-zebra textures near top with light colored silica. Minor breccia textures; some cherty dark grey zones; few rusty specks after py.					
32.71-53.02m	CHERT BRECCIA DOLOMITE: Dark grey fragments up to 2-3 cm in tan dolomite matrix; some dolomite fragments as well; minor white dolspar locally; last meter of unit is a tan dolomite without chert breccia, local rusty specks, trace py at 46.34 - 47.56 m.					
53.02-57.35m	MEDIUM TO DARK GREY DOLOMITE: Some banding near top of unit 70° to the core axis; some mottled breccia textures with white dolspar. Only minor dark chert.					
57.35-57.65m	YELLOW ZINC ZONE: Fine-grained replacement yellow ZnS + minor amber ZnS in grey dolomite. Several veinlets of white dolspar associated with mineralization. (approximately 10% ZnS)					
57.65-61.13m	TAN DOLOMITE WITH LOCAL DARK CHERT BRECCIA: Local banded texture at 70° to the core axis; some zebra sparry sections, disseminated oxidized py specks at 60.06 m. Fresh py at 59.45 m.					
61.13-64.08m	TAN DOLOMITE: Medium grained - (clean).					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
64.08-69.51m	MIXED DOLOMITE ZONE: Tan-medium to dark grey; bedding locally 70° to the core axis; dark grey dolomite has organic textures dolspar filled. 68.7-69.2 m has oxidized py 5% associated with white dolspar section.					
69.51-76.22m	TAN DOLOMITE: Medium grained few bio-worm textures, rusty fracture parallel to core axis at 73.48-73.78 m.					
76.22-77.13m	MINERALIZED ZONE: Replacement yellow ZnS of rounded organic forms (1-2 cm) in white dolspar 76.22-76.52 (5% Zn). 76.9-77.13 m oxidized yellow and rusty zone (reacts to Zn Zap) barren zone in between grey and sparry dolomite.					
77.13-80.43m	TAN GREY DOLOMITE: Medium grained, 15 cm grey cherty breccia zone near top; few veinlets of crackle brecciated grey silica, rusty oxidized fractures locally.					
80.43-88.12m	DARK GREY BANDED LIMY DOLOMITE: Banding at 65° to core axis; organic blebs replaced by dolspar; minor mud seam (5 cm) at 83.23 m.					
88.12-89.63m	TAN DOLOMITE: Non-breccia; banded dark grey dolomite at lower contact.					
89.63 100.46m	MIXED DOLOMITE BRECCIA: Tan dark in upper zone becoming more dark grey towards base angular dark fragments are chert, breccia matrix is siliceous. Subrounded organic forms - some dolspar replaced.					
100.46-100.67m	YELLOW ZINC ZONE: Fine grained replacement along interfragment cracks and voids associated with light silica and minor spar. (+5% ZnS)					
100.67-109.6m	MIXED DOLOMITE BRECCIA AS ABOVE: Zebra texture (107.47-107.77 m) trace ZnS at 101.22m.					
109.6-119.82m	MEDIUM TO DARK GREY DOLOMITE: Locally brecciated, including dark chert fragments. Some banded textures near base 65-70°. Local dolspar healed breccia; occasional oxidized py traces.					
119.82-121.8m	BRECCIATED TAN DOLOMITE: (? solution collapse or sediments) grey brecciated matrix is dark grey siliceous dolomite.					
121.8-124.39m	DOLOMITE RUBBLE FAULT ZONE: Weak yellow-orange rust 2-3% (no Zn Zap). Minor grey clay gouge from 122.71-122.87 m.					
124.39-128.2m	TAN DOLOMITE: Breccia fragments of grey siliceous dolomite and chert; oxidized fractures and coarse cubes after py (1-2%) similar to fault zone above (no Zn Zap).					
128.2-131.37m	DARK GREY DOLOMITE: Minor sediment breccia; small dolspar replaced organic bio-forms (< 1 cm)					
131.37-133.23m	MIXED DOLOMITE FAULT ZONE: Rubbly core, minor rusty traces.					
133.23-139.02m	RUBBLY DOLOMITIC FAULT ZONE: Limonitic traces 2-3% (pebbly to sandy + minor gouge).					
139.02-140.24m	DARK GREY DOLOMITE: Calcite healed fault breccia, traces of rust.					
140.24-148.23m	SANDY GOUGE FAULT ZONE: Localized limonitic rust to 5% (no Zn Zap)(recovery down to 50% in 143.60-145.12 m)					
148.23-152.44m	TAN GREY DOLOMITE: Some mottled dark grey banding and minor sediment brecciation. Banding at 75° to core axis; limonitic fractures and broken core 148.48-152.44 m) 2-3% Fe.					
152.44m	END OF HOLE					
	Core is stored in racks at Vine property.					

METERAGE FROM	TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		SUMMARY LB93-2 1. Only two weak mineralized zones (10.37-12.13 m and 26.37-27.13 m) are related to the surface yellow Zn showings. 2. Several additional narrow mineralized zones are located deeper in the hole at 57.35-57.65 m, 76.22-77.13 m and 100.46-100.67 m. 3. Major faulting encountered between 121.8-148.23 m with frequent limonitic traces. 4. The py (limonite) association with ZnS is more indicative of the Yellowhead Horizon. 5. Solution collapse dolspar sections occur in zones beneath the surface showing but are less frequent deeper in the hole.					

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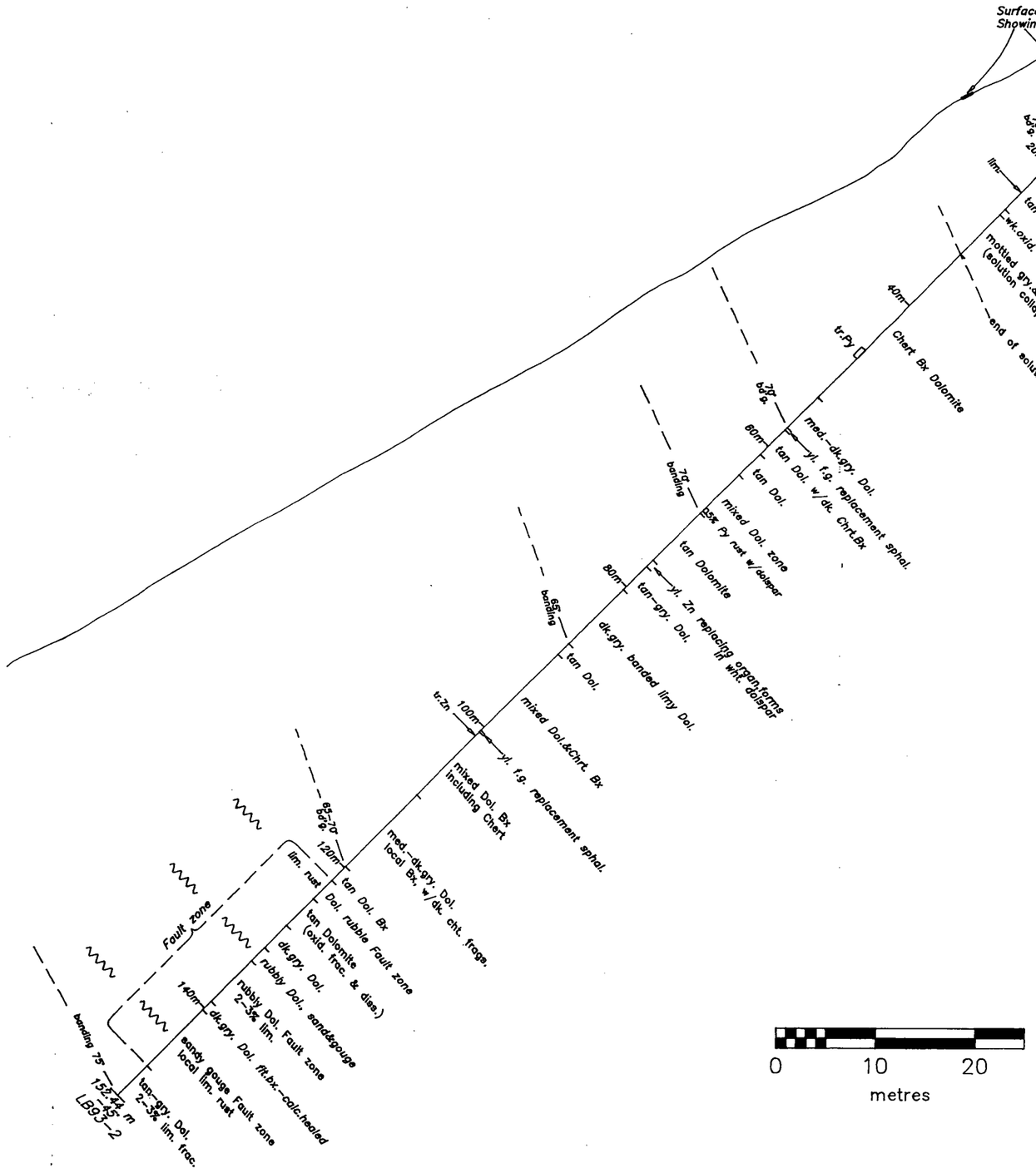

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metres

Consolidated Ramrod Gold Corporation

LIBBY PROPERTY

DDH: LB93-2

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

CAD Filename: d:\libby\dwg\LB9394.dwg

PROPERTY: LIBBY HOLE NO.: LB93-3

COMMENCED: 11/05/93	LOCATION: 33.5 m @ 269° FROM STAT. 29	CORR. DIP: -45°
COMPLETED: 11/06/93	GRID LOCATION: (24+39N, 41+05E)	CLAIM: LIBBY 1
LOGGED BY: E. OLFERT	LENGTH: 38.41 m	AZIMUTH: 269°
DATE LOGGED: 11/06/93	CORE SIZE: NQ	TESTS: TO TEST SURFACE YELLOW ZINC SHOWING
LATITUDE: LONGITUDE:	HOR. COMP:	VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-9.45 m	OVERBURDEN: Rubbly dolomite pebbles (7.01-9.15 m) are probably subcrop.					
9.45-9.76 m	DOLOMITE: Mottled tan and grey.					
9.76-10.37 m	RUBBLE GOUGE AND LIMONITE ZONE: Tan grey rubble dolomite. 3-4% limonite concentrations near base of unit.					
10.37-14.57 m	MIXED LIGHT AND DARK GREY DOLOMITE BRECCIA: Approximately 20% dolspar in matrix; most of the breccia is sedimentary dolspar with coarse limonitic rust (2%) in 11.73-12.15m.					
14.57-15.27 m	PYRITIC DOLOMITE ZONE: Zebra dolspar to dolspar healed sedimentary breccia including cherty fragments. 4-5% coarse py blotches and finer grained py rimming zebra fragments.					
15.27-18.29 m	MEDIUM TO DARK GREY DOLOMITE/CHERT BRECCIA: 1-2% medium grained py to oxidized py disseminations. Minor dolspar.					
18.29-22.62 m	TAN DOLOMITE: Sections are coarse spar healed (solution collapse breccia); banding at base 45° to core axis. Some silica replaced subrounded forms up to 1 cm; also silica veinlets. Few limonitic traces; concentrated limonitic 19.82-20.12 m.					
22.62-33.05 m	MIXED GREY DOLOMITE BRECCIA: Dark sections and fragments are cherty. 5-10% dolspar. Minor banding at 40-50° to the core axis. Some light grey silica blotches as well.					
33.05-38.41 m	TAN DOLOMITE: Locally brecciated including dark grey cherty fragments. Sandy gouge 34.30-34.76 m some open vugs just above gouge zone.					
38.41 m	END OF HOLE Core is stored in racks at Vine property. SUMMARY 1. Limonitic zones probably reflect the Yellowhead Horizon.					

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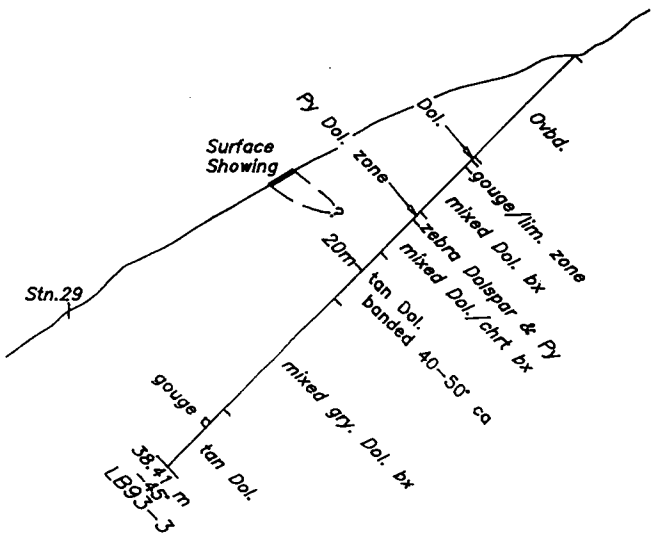

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metres

Consolidated Ramrod Gold Corporation

LIBBY PROPERTY

DDH: LB93-3

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

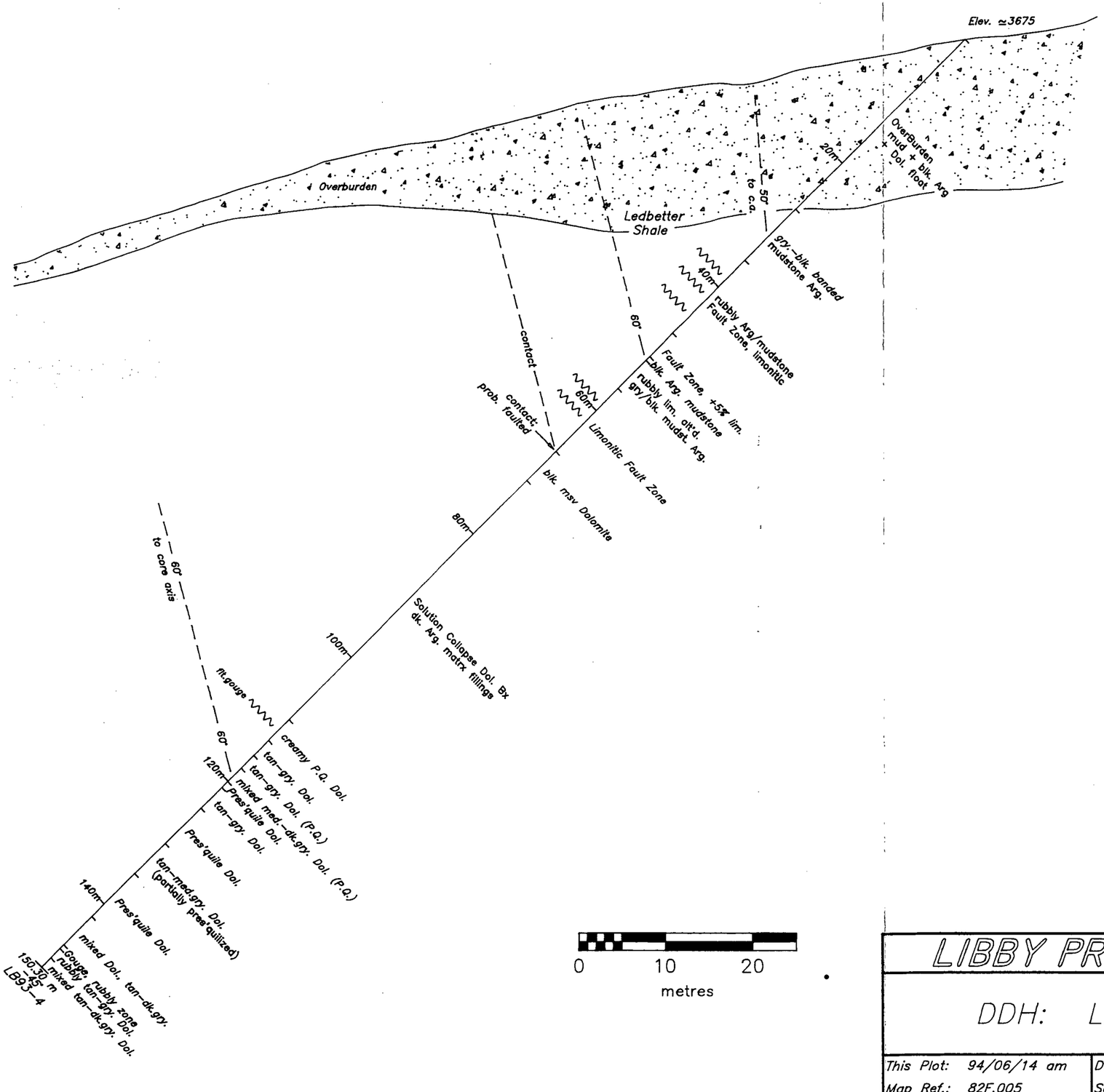
CAD Filename: d:\libby\dwg\LB9384.dwg

PROPERTY: LIBBY HOLE NO.: LB93-4

COMMENCED: 11/06/93	LOCATION: L26N, 5358.5E	CORR. DIP: -45°
COMPLETED: 11/08/93	ELEVATION:	CLAIM: LIBBY 1
LOGGED BY: E. OLFERT	LENGTH: 150.3 m	AZIMUTH: 286°
DATE LOGGED: 11/08/93	CORE SIZE: NQ	TESTS: TO TEST I.P. ANOMALY AT ARGILLITE/DOLOMITE CONTACT
LATITUDE: LONGITUDE:	HOR. COMP:	VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-27.44 m	OVERBURDEN: Mud + black argillite + dolomite float.					
27.44-35.67 m	GREY AND BLACK BANDED MUDSTONE ARGILLITE: Banding 50° to the core axis. Rusty limonitic traces (2-3%).					
35.67-47.41 m	RUBBLY ARGILLITE/MUDSTONE FAULT ZONE: Sections of mud and gouge - locally limonitic (85% recovery).					
47.41-51.22 m	FAULT ZONE: As above but more limonitic (+5%).					
51.22-51.83 m	BLACK ARGILLITE MUDSTONE: Banding at 60° to the core axis.					
51.83-56.40 m	RUBBLY LIMONITIC ALTERED GREY/BLACK MUDSTONE ARGILLITE: +5% Limonite, banding at 60°.					
56.4-66.62 m	LIMONITIC FAULT ZONE: Oxidized mudstone/argillite; 10% limonite - some gouge, clay and mud zones (70% recovery). -CONTACT-					
66.62-71.34 m	BLACK MASSIVE DOLOMITE: Medium grained ? argillaceous; gouge fault zone 68.25-68.6 m. Sparry traces and brecciation near base of unit.					
71.34-110.06 m	SOLUTION COLLAPSE DOLOMITE BRECCIA: Mixed grey dolomite brecciated with frequent dark argillaceous fillings in matrix (probably I.P. anomaly). Extensive presquile type spar replacement including zebra textures. Dolspar content about 25% overall. Breccia fragments up to 5-10 cm. Also minor grey silica veinlets; grey chert band at 108.0-108.23 m. Organic rounded forms at 90.55 m; also fossil fragments at lower contact. Rare py specks, concentrated blebs py at 108.75 and 109.63 m.					
110.06-113.41 m	CREAMY PRESQUILE DOLOMITE: Ghosty fragments of unreplaced darker grey dolomite. Replacement bands at lower contact.					
113.41-115.85 m	TAN GREY DOLOMITE: Fine to medium grained; trace py.					
115.85-117.90 m	TAN GREY DOLOMITE, PARTIALLY PRESQUILIZED: Some silica veinlets.					
117.90-120.06 m	MIXED MEDIUM TO DARK GREY DOLOMITE, PARTIALLY PRESQUILIZED: At 119.5 m is a 5 cm band of dark argillite matrix breccia. Remnant banding at 60° to core axis (traces of yellowish ? sericite in fractures).					
120.06-121.04 m	PRESQUILE DOLOMITE: 75% altered to secondary dolomite.					
121.04-124.39 m	TAN GREY DOLOMITE: Rubbly broken sections, (gouge fault zone 121.64-122.1 m). 10 cm zone of black matrix breccia 123.8 m with rusty specks (py).					
124.39-130.18 m	PRESQUILE DOLOMITE: Remnant fragments and bands of tan and grey dolomite; minor silica healed breccia at 128.51 m (10 cm); traces of yellowish mineralization (sericite) along fractures. Traces of oxidized py locally.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
130.18-135.06 m	TAN TO MEDIUM GRAY DOLOMITE: Partially presquilized; yellow-rusty lower contact over 30 cm.					
135.06-142.07 m	PRESQUILE DOLOMITE: Some sections are partially presquilized tan dolomite. Weak zebra texture at 139.48 m; some silica healed fractures and silica replaced organic forms (oncolites) 1 cm in size. Traces of rust (disseminated py) 135.65-136.0 m and 141.45-141.75 m.					
142.07-146.65 m	MIXED DOLOMITE: Tan to dark grey (broken rubbly core) minor grey silica veinlets.					
146.65-147.26 m	GOUGE RUBBLY ZONE: Trace of yellowish oxidation.					
147.26-148.78 m	RUBBLY TAN GREY DOLOMITE: Yellow oxidation in breccia fractures 147.26-147.75 m ( ) 1 cm oncolites replaced by silica; weak yellow oxidation elsewhere (weak sparry alteration).					
148.78-150.3 m	MIXED TAN AND DARK GREY DOLOMITE:					
150.3 m	END OF HOLE					
	Core is stored in racks at Vine property.					
	SUMMARY					
	1. Upper unit is part of the Ledbetter shales.					
	2. Good dolomite host rocks occur below the shale in the form of solution collapse brecciation and presquile type sparry dolomite replacement.					
	3. I.P. anomaly caused by overlying graphitic shales and black matrix graphitic material in breccias below the shales down to 110.0 m.					



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LIBBY PROPERTY

DDH: LB93-4

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

CAD Filename: d:\libby\dwg\LB9394.dwg

PROPERTY: **LIBBY** HOLE NO.: **LB93-5**

COMMENCED: 11/08/93	LOCATION: L28N, 5029E	CLAIM: LIBBY 1
COMPLETED: 11/09/93	ELEVATION:	COLLAR DIP: -45°
LOGGED BY: E. OLFERT	LENGTH: 145.12 m	AZIMUTH: 286°
DATE LOGGED: 11/09/93	CORE SIZE: NQ	TESTS: TO TEST I.P. ANOMALY
LATITUDE: LONGITUDE:	HOR. COMP:	VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-6.10 m	CASING - OVERBURDEN					
6.1-8.54 m	BLACK MATRIX DOLOMITE BRECCIA: Several black graphitic bands in upper part; many dolomite fragments are presquilized.					
8.54-11.25 m	PRESQUILE DOLOMITE: Dark grey remnants and some zebra texture; trace of dark grey wispy interstitial mud. Few open vugs.					
11.25-14.79 m	PRESQUILE DOLOMITE WITH MIXED GREY REMNANT DOLOMITE BRECCIA FRAGMENTS: Few traces of oxidized py specks; trace argillite in matrix locally.					
14.79-23.48 m	MIXED DOLOMITE BRECCIA: Solution collapse, some chert fragments and graphitic argillite in matrix. Extensive presquilization.					
23.48-47.87 m	PRESQUILE DOLOMITE WITH SOLUTION COLLAPSE BRECCIA: Silica replaced organic forms at 29.57 m, 36.43-37.2 m, 42.53-43.0 m. Argillic mudstone in matrix at 36.37 m and 39.02 m, traces elsewhere. Fresh py bleb at 47.71 m. Few traces of rust specks after py and yellowish oxidation along fractures. Relic banding 60° to the core axis at 42.38 m, trace zebra texture.					
47.87-51.22 m	BLACK MATRIX BRECCIA: Graphitic material in matrix; presquilized dolomite mostly. Trace rust blebs.					
51.22-52.29 m	MIXED GREY DOLOMITE BRECCIA: Intensely fractured, weakly presquilized.					
52.29-61.43 m	MEDIUM TO DARK GREY DOLOMITE AND DOLOMITE BRECCIA: Weak presquilization, brecciation more of a sedimentary nature. Banding at 60° to the core axis at 44.21 m; silica replaced rounded forms at lower contact ($\frac{1}{2}$ cm).					
61.43-67.99 m	MEDIUM PRESQUILIZED DOLOMITE: Brecciated texture mixed tan to medium grey; few cherty fragments also; some silica replaced rounded forms, some of which are rusty.					
67.99-75.76 m	MIXED TAN AND DARK GREY DOLOMITE: Weak presquilization; banding locally at 70° to the core axis. Graphitic suture fracture at 70.73 m; replaced organic forms (silica) at 74.09 m, traces of rusty specks at 74.54 m.					
75.76-86.10 m	MIXED TAN AND GREY DOLOMITE: Brecciated textures common (sedimentary types). Localized dark chert fragments; fine grained py replaced lenses and small fragments at 84.45 m (1 cm lenses).					
86.10-108.17 m	MIXED DOLOMITE/CHERT BRECCIA: Approximately 1/3 chert; weak presquilization, rusty to yellowish fractures common, trace rusty py specks; some silica replaced rounded forms; zebra texture at 99.39 m.					
108.17-113.6 m	MIXED DOLOMITE BRECCIA: Less chert breccia than above. Some mottled bio-textures. Banding locally at 60° to the core axis. Some thin chert laminations, weak presquilization.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
113.6-114.73 m	DARK GREY DOLOMITE: Wispy black laminations, maybe argillaceous.					
114.73-117.68 m	CHERTY MIXED DOLOMITE: Chert fragments, laminations and silica replaced organic forms. Banding at 65° to the core axis at 117.23 m. 25% white dolomite (presquilization).					
117.68-118.9 m	CAVITY: Yellow mud.					
118.9-124.09 m	BIO-BEDDED DOLOMITE: Algae mat bio-turbated textures, some chert breccia and light grey silica about 30% white presquilization.					
124.09-127.29 m	PRESQUILE DOLOMITE: Numerous silica replaced subrounded to elongated organic forms. Rusty limonitic vugs and laminations 124.09-125.15 m.					
127.29-131.86 m	CHERTY DOLOMITE: Up to 50% chert laminations, breccia fragments and nodules. Approximately presquilized dolomite, few disseminated rusty specks.					
131.86-138.41 m	MIXED TAN AND GREY DOLOMITE: Partially presquilized; silica replaced organic rounded forms. Light silica + spar infillings at 134.30 m with disseminated rusty specks after py; minor dark grey chert fragments.					
138.41-145.12 m	STRIPPED GREY BANDED DOLOMITE: Algae mat bio-textures; sub-banding at 80° to the core axis. Some chert banding, breccia and silica replacement of organic forms weak presquilization 15%; **DOLSPAR, SILICA AND PY-RIMMING STRUCTURES AT 142.38-142.55 m and traces elsewhere, but no zinc.					
145.12 m	END OF HOLE					
	Core is stored in racks at Vine property.					
	SUMMARY					
	1. I.P. anomaly due to argillaceous material washed into breccia zones within the dolomite.					
	2. Good brecciated and presquilized host rocks at least to 51 meters.					
	**3. Minor disseminated py with secondary dolspar is the only interesting mineralization in this hole.					

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Elev. ≃3670

casing–Oubd.

Blk-matrix Dol. bx

Pres'quile Dolomite

P.Q. Dol./mixed gry. Dol. bx frags. (tr. Arg)

20m

Mixed Dol. bx solution collapse, some chrt frags/Arg

60°

40m

Pres'quile (P.Q.) Dolomite w/ Solution Collapse bx traces of Arg

60°

Blk-matrix bx (P.Q.) mixed gry. Dol. bx

60m

med.–dk.gry. Dol. & Dol. bx

70°

med. P.Q. tan–gry. Dol. few chty frags.

mixed tan–dk.gry. Dol.

80m

mixed tan–gry. Dol. some chrt frags.

60°

100m

mixed Dol./Chert bx

mixed Dol. bx less chrt than above

dk.gry. Dol.

Chty mixed Dol.

cavity/ yl. mud

120m

Algae mat Dol. some chrt bx

algae textures

Pres'quile Dol. sil. replaced md'd. forms

Chty Dol., 50% chty lam.

mixed tan–gry. Dol. minor chert

Py rimming with sec. Dolspar/ sil. (142.38–142.55)

80°

140m

145.12 m

LB93–5

Stripped gry-banded Dol. algae textures

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metres

Consolidated Ramrod Gold Corporation

LIBBY PROPERTY

DDH: LB93–5

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

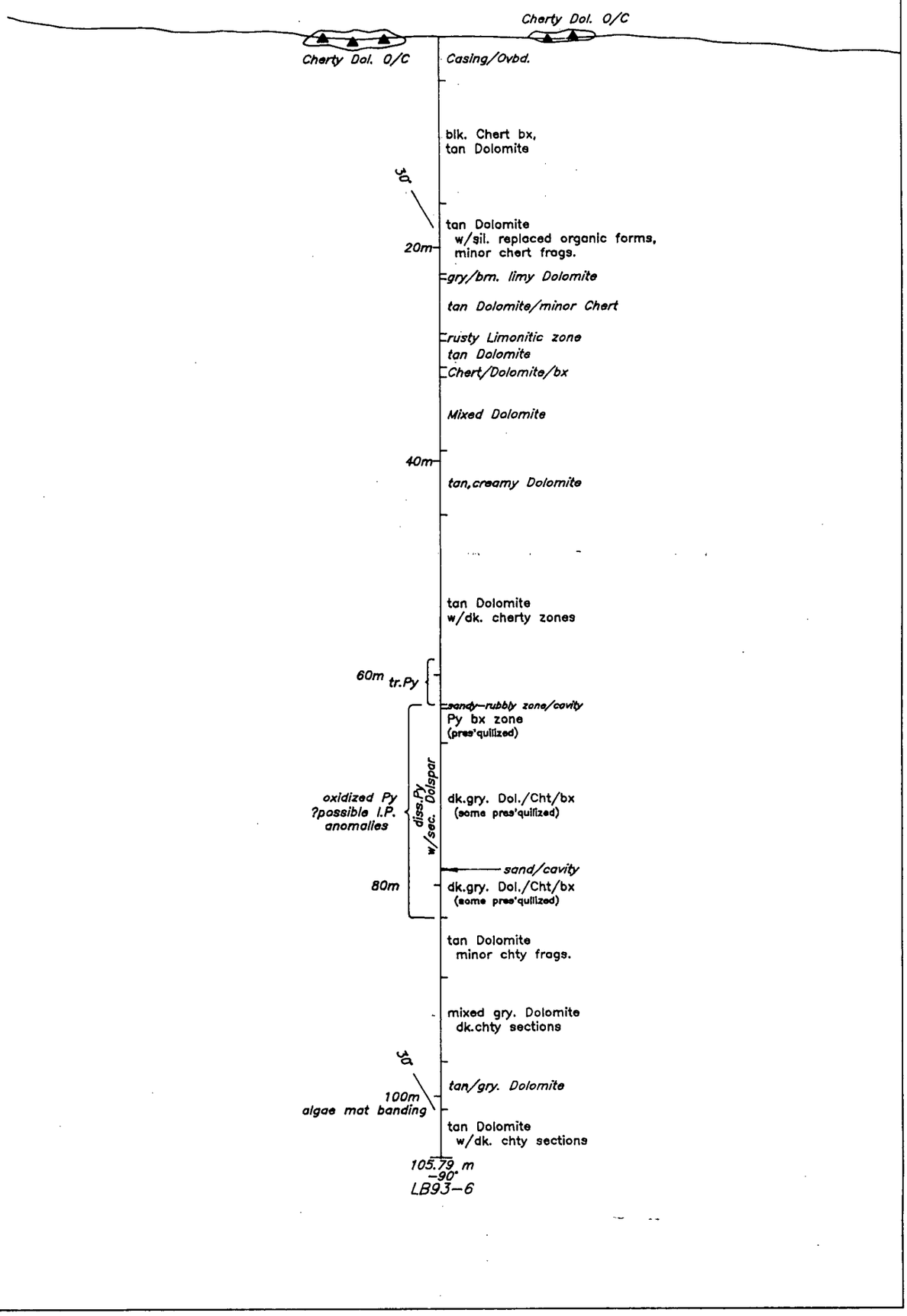
CAD Filename: d:\libby\dwg\LB9394.dwg

PROPERTY: LIBBY HOLE NO.: LB93-6

COMMENCED: 11/09/93	LOCATION: 4850E, 2994N	CORR. DIP: VERTICAL
COMPLETED: 11/11/93	ELEVATION:	CLAIM: LIBBY 1
LOGGED BY: E. OLFERT	LENGTH: 105.79 m	AZIMUTH:
DATE LOGGED: 11/11/93	CORE SIZE: NQ	TESTS: TO TEST EXTENSION OF I.P. ANOMALY FROM L31S
LATITUDE: LONGITUDE:	HOR. COMP:	VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-4.27 m	CASING - OVERBURDEN					
4.27-15.85 m	BRECCIATED BLACK CHERT AND TAN DOLOMITE: Chert as fragments and bands (50%); light silica veinlets and replacement of organic forms as well. Weak presquilization minor banding 45° or less to core axis; fragment yellow-rust oxidation in fractures and disseminations between 10.82-13.87 m (1-2%)(recovery 80% at 4.27-8.23 m).					
15.85-22.53m	TAN DOLOMITE: With silica replaced rounded forms and minor chert fragments. Yellowish rusty fractures common 1-2%, minor presquile dolomite over last meter of unit. Minor white calcite veinlets and fillings; minor banding at <30° to core axis (85% recovery).					
22.53-23.0 m	GREY BROWN FINE GRAINY LIMY DOLOMITE: Rusty upper contact.					
23.0-28.14 m	TAN DOLOMITE WITH CHERT AS 15.85-22.53 M: Some thin laminated chert bands as well. Banding 30° to core axis, rusty blotches at 24.85 m. Moderate presquilization locally.					
28.14-28.81 m	RUSTY LIMONITIC WEATHERED ZONE: (Recovery approximately 75%)					
28.81-31.25 m	TAN DOLOMITE: Rusty oxidized fractures 1-2%; upper 0.5 m contains silica replaced organic forms.					
31.25-32.16 m	CHERT-DOLOMITE: 70% chert fragments in tan dolomite.					
32.16-39.02 m	MIXED DOLOMITE ZONE: Massive, medium gray, chert nodules, bands and fragments locally (15%). Trace oxidized py, traces of sec. dolomite + calcite.					
39.02-45.12 m	CREAMY TAN DOLOMITE: Minor presquilization; silica replaced rounded forms common (1 cm), minor chert. Some light silica veinlets, oxidized fractures present (?cavity at 137.0 m) (recovery 80%)					
45.12-62.80 m	TAN DOLOMITE: With dark cherty zones up to 1/3 m. Some silica replaced organic forms and veinlets. Hairline secondary dolomite veining (weak presquilization)(subtle breccia textures) oxidized fractures and traces of rusty specks below 58.54 m.					
62.80-63.20 m	SANDY RUBBLY ZONE: Probably a small cavity.					
63.20-66.46 m	PYRITIC BRECCIA ZONE: Dolspar veined chert breccia, 1-2% disseminated rusty py specks associated with dolspar. Traces of calcite and light silica infilling as well.					
66.46-78.38 m	DARK GREY DOLOMITE CHERT BRECCIA (SEDIMENTS): Weak to moderate dolspar, silica, calcite presquilization with trace rusty py specks. More pyritic below 73.4 m, mystery mineral with calcite at 75.61 m (?diopside).					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
78.38-78.51m	SAND: Cavity					
78.51-83.08m	AS 66.46-78.38 m: With presquilized zones of dolspar, calcite, silica and disseminated rusty py. Some silica replaced organic forms near base of unit. Sections of core are broken and rubbly? minor cavities.					
83.08-88.72m	TAN GREY DOLOMITE: Fine to medium grained, frequent silica replaced rounded forms and minor cherty fragments. Rusty py blotch at 87.35 m.					
88.72-96.65m	MIXED GREY DOLOMITE: Minor short sections of dark chert zones (10 cm), occasional short presquilized zones (10-20 cm); banding locally at 25-30° to core axis. Minor brecciated textures, some rounded organic forms partially silica replaced. Some chert silica fragments; nodules chert silica band at 92.07 m.					
96.65-101.22m	TAN GREY DOLOMITE: Few silica replaced rounded forms. Trace py disseminations.					
101.22-105.79m	TAN DOLOMITE: As above with dark cherty sections. 20% chert, also silica replaced organic forms. Upper contact has algae mat banding at 30° to the core axis and one thin lens of py (1/4 cm).					
105.79 m	END OF HOLE					
	Core is stored in racks at Vine property.					
	SUMMARY					
	1. The only mineralization of interest is disseminated oxidized py associated with presquilization occurring at 63.2-66.46 m as well as disseminated py above and below this unit.					
	2. The I.P. anomaly may be caused by partially unweathered py from the above or carbon present with the dark chert.					



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metres

Consolidated Ramrod Gold Corporation

LIBBY PROPERTY

DDH: LB93-6

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

CAD Filename: d:\libby\dwg\LB93394.dwg

PROPERTY: **LIBBY** HOLE NO.: **LB93-7**

COMMENCED: 11/11/93 LOCATION: CORR. DIP: -45°

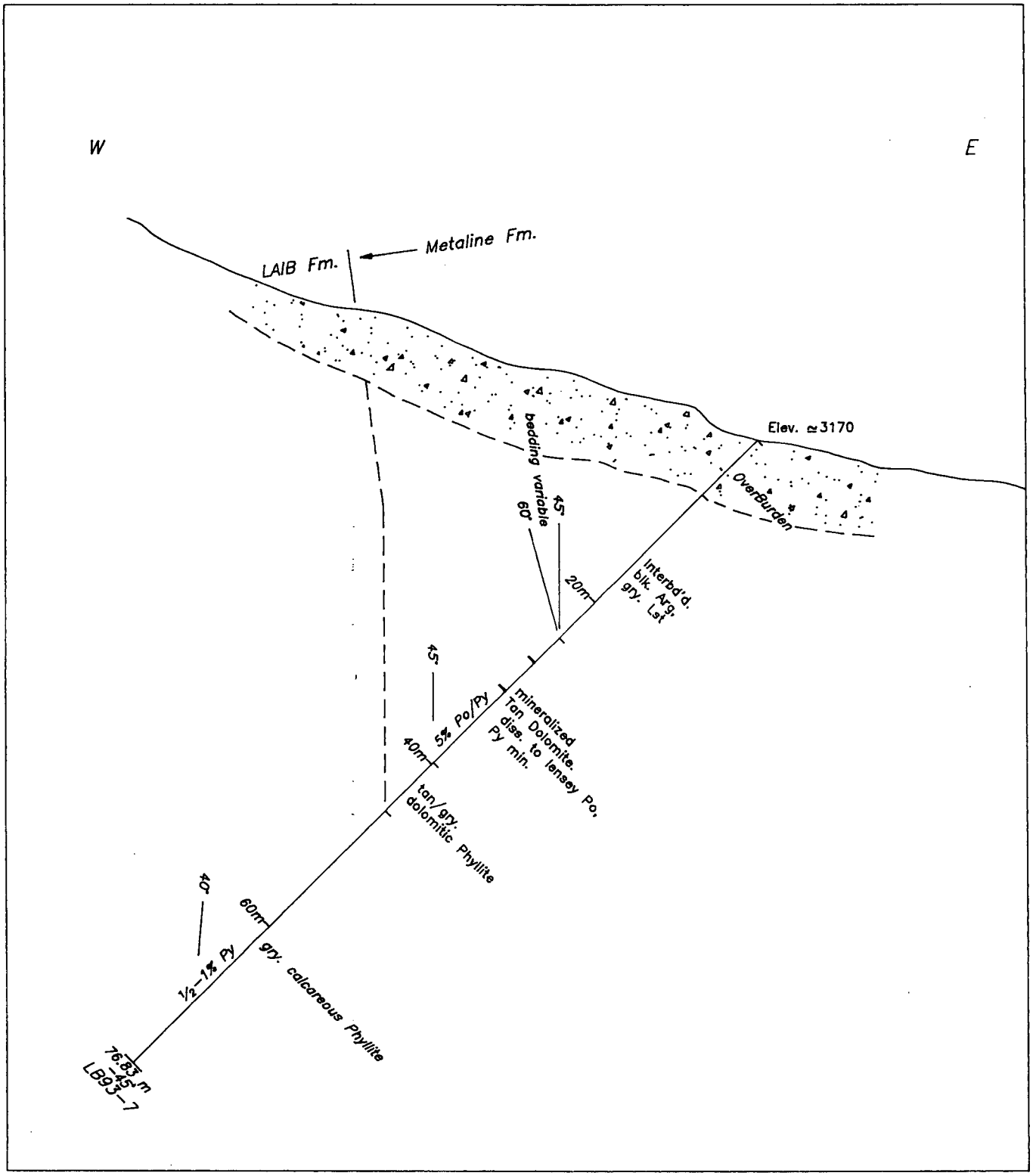
COMPLETED: 11/12/93 CLAIM: LIBBY 1 COLLAR DIP:

LOGGED BY: E. OLFERT LENGTH: 76.83 m AZIMUTH:

DATE LOGGED: 11/12/93 CORE SIZE: NQ TESTS: TO TEST I.P. ANOMALY ON WEST SIDE OF THE PROPERTY

LATITUDE: 3000N LONGITUDE: 3864E HOR. COMP: VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm
0-6.71 m	OVERBURDEN					
6.71-24.39 m	INTERBEDDED BLACK ARGILLITE AND GRAY LIMESTONE: Limestone as floating fragments within argillite; variable 30-60% argillite. Disseminated specks and blotches of py within argillite (= 1% py). Bedding approximately 45° to the core axis - no distinct banding.					
24.39-39.79m	MINERALIZED TAN DOLOMITE: Disseminated specks of po along bedding planes, 2-3% locally massive banded up to 5-10 cm together with py. Overall about 5% po py; banding at 45° to the core axis. Unit is more phyllitic and waxy near base (upper contact sharp with some limonitic oxidation).					
	SAMPLE					
	7452 27.4-27.5 m (0.1 m)	5	0	137	315	347
	7453 30.9-31.0 m (0.1 m)	5	1	74	144	121
39.79-45.73m	DOLOMITIC TAN GRAY PHYLLITE: Gradual transition zone to phyllite. Traces of very fine grained po; faint banding at 45° to the core axis.					
45.73-76.83m	GRAY LIMY PHYLLITE: Very uniform; some black laminations near upper contact with bands at 40° to the core axis. Waxy texture, very fine grained disseminated py ½-1%.					
76.83 m	END OF HOLE					
	Core is stored in racks at Vine property.					
	Summary					
	1. Many I.P. conductors occur in this hole including the mineralized tan dolomite at 24.39-39.79 meters.					



0 10 20

metres

Consolidated Ramrod Gold Corporation

LIBBY PROPERTY

DDH: LB93-7

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

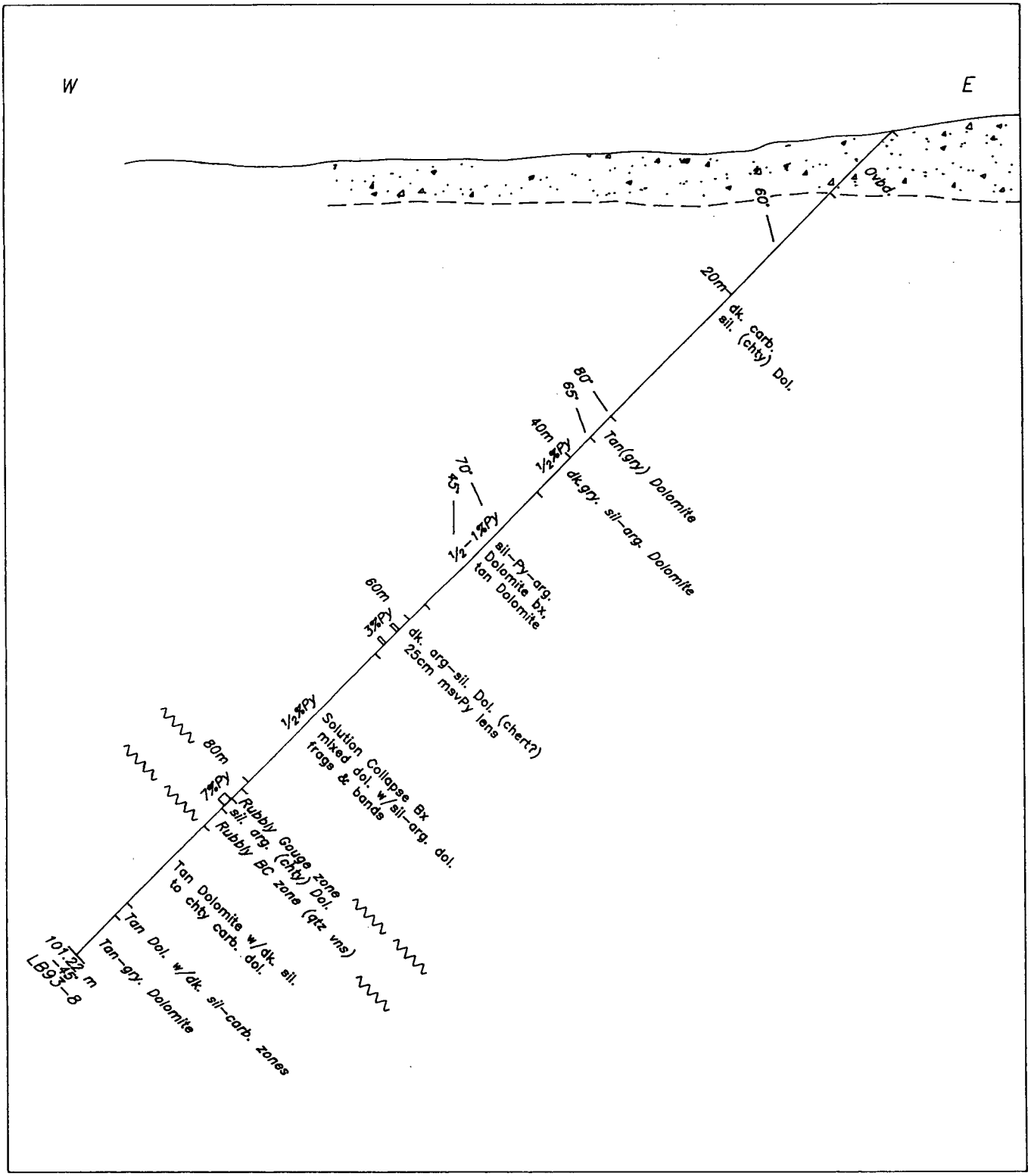
CAD Filename: d:\libby\dwg\LB9394.dwg

PROPERTY: **LIBBY** HOLE NO.: **LB93-8**

COMMENCED: 11/12/93	LOCATION: L33 + 03N, 46 + 75E	CORR. DIP:
COMPLETED: 11/13/93	CLAIM: LIBBY 1	COLLAR DIP: -45°
LOGGED BY: E. OLFERT	LENGTH: 101.22 m	AZIMUTH: 285°
DATE LOGGED: 11/13/93	CORE SIZE: NQ	TESTS: TO TEST I.P. ANOMALY
LATITUDE: LONGITUDE:	HOR. COMP:	VERT. COMP.:

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm
0-7.62 m	OVERBURDEN					
7.62-34.91 m	DARK GREY TO BLACK ARGILLACEOUS, SILICEOUS DOLOMITE: Short sections of tan presquilized dolomite (25%) core is brittle and broken; banding at top of unit 60° increasing to 80° to core axis at base of unit. Minor breccia and zebra textures associated with sec. dolomite; sediment breccia at 28.35-28.90 m occasional specks of oxidized py.					
34.91-37.50 m	TAN GREY DOLOMITE: Medium grained, minor presquilization; banding occurrence at 65° to core axis.					
37.50-44.21 m	DARK GREY SILICEOUS ARGILLACEOUS DOLOMITE: Some sed. breccia texture towards base of unit. 20 cm of zebra dolomite at 40.40 m, banding at 41.77 m at 50° to the core axis. Oxidation down to 39.0 m; disseminated blebs of py at approximately 1/2%.					
44.21-58.08 m	BRECCIA SILICEOUS PYRITIC ARGILLACEOUS DOLOMITE AND TAN DOLOMITE: Tan dolomite 30% is brecciated and filled (sed. breccia) by siliceous argillaceous matrix. A few fragments are presquilized blotches of py throughout ½ -1% and concentrations at 51.83-53.35 m to approximately 4%. Banding at 49.4 m of 70° and at 54.57 m of 45° to core axis.					
	SAMPLE					
	7454 61.2-61.5 m (0.3 m)	5	0	907	47	14
	7455 62.8-63.1 m (0.3 m)	20	1	3066	97	13
58.08-64.18 m	DARK GREY BLACK ARGILLACEOUS SILICEOUS DOLOMITE (?CHERT): Contains some fragments of tan colored dolomite. 25 cm massive py lens at 62.80 m medium crystalline, non-banded, minor py lenses elsewhere below 61.43 m (average py 61.43-64.18 m approximately 3%).					
64.18-80.79 m	SOLUTION COLLAPSE BRECCIA: Mixed light to medium grey dolomite with fragments and bands of dark grey to black siliceous argillaceous dolomite; presquilization weak to moderate with traces of zebra dolomite. Pyritic blotches and fractures at intervals (approximately ½% py overall).					
80.79-82.01 m	RUBBLY GOUGE ZONE: Medium grey siliceous dolomite, brecciated at base of unit.					
82.01-83.23 m	DARK GREY TO BLACK ARGILLACEOUS SILICEOUS DOLOMITE: Pyritic lenses, fractures and disseminated fine grained 7% some light grey dolomite breccia fragments.					
	SAMPLE					
	7456 82.10-82.90 m (0.8 m)	5	1	728	20	11
83.23-85.37 m	RUBBLY BROKEN ZONE: Mixed grey to black argillaceous siliceous dolomite. Light quartz veining and silicification in lower part of unit.					
85.37-94.82 m	TAN DOLOMITE: With short sections (20 cm) of dark siliceous to cherty carbonaceous dolomite. Small silica replaced organic forms at 87.20 m, one occurrence of zebra dolomite at 93.29 m.					

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
94.82-96.34 m	BLACK CARBONACEOUS CHERTY DOLOMITE: Light grey dolomite replaced organic subrounded forms (1/4 cm) ? algae mat. Trace py and oxidation.					
96.34-101.22 m	TAN GREY DOLOMITE: Presquile zebra textures below 99.70 m; silica replaced subrounded forms locally (<1 cm).					
101.22 m	END OF HOLE					
	SUMMARY					
	1. I.P. conductor resultant from py and carbonaceous matter which is widespread in this hole.					
	2. Dark rocks in this section vary from carbonaceous chert to siliceous argillaceous dolomite.					



0 10 20
metres

Consolidated Ramrod Gold Corporation

LIBBY PROPERTY

DDH: LB93-8

This Plot: 94/06/14 am	Date: 94/06/10 by REA
Map Ref.: 82F.005	Scale: 1:500

Last Update (Y/M/D): 94/06/14 am

CAD Filename: d:\libby\dwg\LB9394.dwg

APPENDIX II

Geochemistry Analyses

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Phn(604)299-6910 Fax:299-6252

To : RAMROD GOLD CORP.,
104 135 10th Ave. South
Cranbrook, B.C.

Project: Libby

Type of Analysis: ICP

Certificate: 93227
Invoice: 50041
Date Entered: 93-11-24
File Name: RAM93227.I
Page No.: 1

LB93-7 + 8

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	% AL	% NA	% K	% S1	PPM W	PPM BE	PPB AU	PPB AA
LB93-7																																	
A	27.4-27.5 7452	13	347	137	315	0.2	185	246	209	13.55	55	5	ND	ND	40	3	3	1	5	1.05	0.04	13	23	0.27	115	0.01	0.35	0.06	0.34	0.04	1	1	5
A	30.9-31.0 7453	5	121	74	144	0.5	80	89	620	8.15	19	5	ND	ND	144	1	3	1	4	3.81	0.06	20	17	0.98	94	0.02	0.62	0.05	0.27	0.07	1	1	5
A	61.2-61.5 7454	4	14	907	47	0.1	15	22	174	6.72	40	5	ND	ND	25	1	3	1	2	7.85	0.01	2	15	5.24	44	0.01	0.02	0.06	0.04	0.01	1	1	5
A	62.3-63.1 7455	15	13	3066	97	1.0	38	82	169	13.25	149	5	ND	ND	10	1	3	1	4	2.21	0.02	2	33	2.22	82	0.01	0.04	0.06	0.07	0.01	1	1	20
A	82.1-82.9 7456	1	11	728	20	1.0	4	2	180	2.78	2	5	ND	ND	29	1	3	1	1	10.51	0.01	1	19	6.36	26	0.01	0.04	0.05	0.01	0.03	1	1	5
LB93-8																																	

CERTIFIED BY :

HIGHWAY #3
SOUTH
SALMO
RIVER
Stagleap Creek
Lead Creek
3000
3500
4000
3200 N
3300 N
3000 N
2800 N
2600 N
2400 N
2200 N
2000 N
LB-7 (-45°)
LB-8 (-45°)
LB-6 (-90°)
LB-5 (-45°)
LB-4 (-45°)
LB-1 (-45°)
LB-3
LB-2 (-45°)
4.
5.
6.
ZnS PbS
Galena as Replacement in Dolomite
Northridge Showing
PITS
ZnS
tr.ZnS
ZnS PbS
Adit
Shaft
St.tr.Py
breccia
tr.ZnS
Yellow Zinc Showing
Massive Bedded Sphalerite in layers up to 90cm thick.
TR-91-12
TR-91-6
TR-91-14
TR-91-4
Py, GOETHITE
ZnS, Py
GOETHITE
Py PITS
BASELINE 5000 E
CANADA
U.S.A.
LCP LB#1
GEOLOGICAL BRANCH ASSESSMENT REPORT
23,397
LEGEND
6. ACTIVE Fm; (Ledbetter Fm.)
5. NELWAY Fm; (Metaline Fm.)
4. Laib Fm;
Fault;
Geological Contact;
Strike/Dip; bedding, cleavage.
Outcrop;
Mineralization;
Trench;
Adit;
Pits;
Grid Lines (cut);
DDH Location; LB-1 to LB-8

0 100 200 300 400 500
metres

This Plot (Y/M/D): 94/05/27 am
d:\libby\dwg\250-82F3.dwg

Consolidated Ramrod Gold Corporation

Drawn by: REA		Traced by:	
Revised by:	Date	Revised by:	Date

Libby Property
Salmo B.C. Area
Base Map with Geology
and D.D.H. Locations

Scale: 1:5000 | Date: May 26/94 | Figure: PLATE 1