ARIS SUMMARY SHEET

District Geologist, Nelson Off Confidential: 92.09.26

ASSESSMENT REPORT 21935 MINING DIVISION: Fort Steele

PROPERTY: Estella
LOCATION: LAT 49 47 30 LONG 115 37 00
UTM 11 5516166 599568
NTS 082G13E

CAMP: 001 Purcell Belt (Sullivan)

CLAIM(S): Stel 2-11,Stell 19-22,Lewis 4-6,Lewis 22,TC,Tiger,Minnie M.,Emily Larchwood,Wanda B.,Myrtle,Phyllis 1-4
OPERATOR(S): Cominco
AUTHOR(S): Ransom, P.W.;Lajoie, J.J.;Jackisch, I.
REPORT YEAR: 1991, 123 Pages
COMMODITIES SEARCHED FOR: Lead,Zinc,Silver
KEYWORDS: Proterozoic,Fort Steele Formation,Arenites,Aldridge Formation Wackes,Dolomites,Folds,Faults,Quartz veins,Sulphides
WORK DONE: Geochemical,Drilling,Geophysical,Physical
DIAD 708.0 m 1 hole(s);HQ ,NQ
EMGR 22.8 km;UTEM
Map(s) - 1; Scale(s) - 1:10 000
LINE 32.0 km
SAMP 33 sample(s) ;ME
SOIL 741 sample(s) ;ME
Map(s) - 5; Scale(s) - 1:5000
MINFILE: 082G 038

COMINCO LTD.

EXPLORATION

1991 EXPLORATION REPORT

ESTELLA PROPERTY

FORT STEELE MINING DIVISION, B.C.

N.T.S. 82G/13E

- ASSESSMENT REPORT -

LAT: 49°46'N

LONG: 115° 36'W

OPERATOR

COMINCO LTD.
KOOTENAY EXPLORATION
1051 INDUSTRIAL ROAD #2
V1C 4K7

Work Performed During May to August, 1991

Report by: P. W. Ransom

Submitted: December 1991

TABLE OF CONTENTS

COMINCO LTD.

EXPLORATION WESTERN DISTRICT

1991 EXPLORATION REPORT

FORT STEELE MINING DIVISION

P. W. Ransom December, 1991

1.00 INTRODUCTION

1.10 Location and Access

The property is located 28 km east of Kimberley, B.C. and 9 km east of Wasa, B.C. and is centred on N.T.S. mapsheet 82G/13E at latitude 49°46'N and longitude 115°36'W (Plate 1).

The property is accessed by Highway 93/95 to Wasa (773 m elevation), thence eastward 10 km along Lazy Lake secondary road, thence along the Lewis Creek road for 15 km to the Estella mine site in the Tracy Creek basin (1798 m elevation). A steep 5 km long 4-wheel drive road exists within the Tracy Creek drainage and lies between the Estella mine site and the Lazy Lake road.

1.20 Property Definition

The Estella property is a joint venture option involving Cominco Ltd., Bethlehem Resources Ltd. and Bakra Resources Ltd. in which the claims of each company, covering over 2680 hectares in this area, have been grouped together. In 1991, the property was expanded by the option of 22 Crown granted mineral claims belonging to E. M. Ehlinger. These claims are in the northwest part of the property and cover approximately 300 hectares. Cominco is the operator. Diamond drilling was carried out on the Stel 2 (Rec. 3420) mineral claim (Plate 2).

1.30 Topography and Vegetation

The vegetation varies from very thick to open (on talus) while topography is steep everywhere and varies from 920 m to 2649 m in elevation; cliffs are common at the higher elevations.

1.40 History

The Estella deposit was discovered in 1895 and explored intermittently until 1950. From 1951 to 1953 Estella Mines Ltd. produced 67,000 tons containing 1.5 oz/ton Ag, 3% Pb and 9% Zn.

Subsequent acquisition was by Copper Soo Mines Ltd. who then amalgamated with Giant Mascot Mines Ltd., resulting control was 60% and 40% interest respectively. In 1966 and 1967, 51,000 tons was produced containing 1.9 oz/ton Ag, 4.2% Pb and 7.6% Zn. In 1970 Giant Mascot obtained 100% of the Estella property; in 1983 Giant Mascot became an asset of Campbell Resources Inc. In 1987 L. Mikulic staked claims surrounding the 14 remaining Estella Crown granted claims and optioned the claims to Bakra Resources Ltd. who had Mag, EM, geochemical and geological work performed. In 1988 Bethlehem Resources Ltd. obtained control of the Estella Crown granted claims from Campbell Resources. Cominco staked Stel and Lewis claims in 1988, 1989 and 1990. Cominco optioned ground controlled by Bethlehem and Bakra in 1989 and the 22 Ehlinger Crown granted mineral claims in 1991 and has since conducted geological studies, geochemical and geophysical surveys and diamond drilling.

Financial statements for the periods of production at Estella have not been studied, however considering acquisition and capital costs and the small tonnages produced, it is unlikely that any profits were realized.

1.50 Objective of 1991 Program

The objective of the 1991 exploration program on the Estella property was to complete delineation of an open 2.5 km long EM conductor, drill the conductor, extend soil geochemical surveys and conduct a small amount of geological mapping and prospecting. The geophysical work is described in a separate report, however for readers of this report it should be known that the conductor was traced a further kilometre to the NNW; top of the conductor was estimated to be several hundred metres below surface.

1.60 Procedures

The geochem work consisted of soil sampling at 50, or in some cases 25, metre spacing on the 1990 and 1991 EM grids that cover Lewis Creek valley and the ridge to the west. In all 32 line km of sampling was done.

The geological and prospecting work consisted mainly of walking the EM lines in search of outcrop. A few quartz veins found in adits on the north part of the property were sampled.

One core hole 708 metres long was drilled.

2.00 DETAILED TECHNICAL DATA AND INTERPRETATION

2.10 Geology

In the Hughes Range area, where the Estella property is located, the Proterozoic Purcell Supergroup is exposed. The stratigraphic

succession, with brief lithologic descriptions shown in Plate 3 is from Hoy (1978). On the Estella property, only the lower part of the supergroup is present consisting of the Fort Steele, Aldridge and Creston Formations.

Estella Ridge, between the Rocky Mountain Trench on the west and Lewis Creek, is cored by a large east verging fold (nappe). Strata dip moderately to steeply east in the upper limb and are overturned steeply west in the lower limb. East of Lewis Creek strata are in the overturned limb.

Very little mapping was done in 1991. Most lines of the 1991 EM grid were walked, however outcrop in the grid area is sparse except in previously mapped road cuts. Plate 4 shows interpretation based on new data from the Estella work added to a portion of Preliminary Map 36 (Hoy, 1978).

Significant new data and resulting interpretation include:

1) Recognition of Aldridge Fm. units A1d, A1e and A1f in outcrop where unit A2 had been mapped; a southwest dipping thrust fault is now inferred to be present.

2) Low angle (about 10°) west-dipping faults in road cuts on the east side of Estella ridge just west of Lewis Creek. Consideration of 1 (above) and the results of drilling E91-4 (See section 2.20) these faults are normal faults with considerable offset (0.5 - 1 km). A fault mapped by Hoy (1978) on the west part of the ridge juxtaposing unit A1b on Fort Steele Fm. strata is one such fault. Hoy mapped three other similar faults 5 to 10 km to the NE and north. Traces of the recently recognized faults away from the road cuts are inferred, however they illustrate the type of structural pattern present.

In one case a large cleavage age fold has a steep east to overturned west limb directly above a gently west-dipping normal fault in turn above gently west-dipping strata. This relationship suggests the fault may have been a thrust surface first during Cretaceous contraction and then reactivated as a normal fault of even greater offset during Eocene extension (Price 1981).

2.11 Prospecting

Quartz veins, mainly from old adits, were sampled. Results are shown in Appendix A. The gold values returned were low and require no follow-up. The quartz veins with base metals, like other veins in the area, are not considered to be directly linked to a sulphide deposit.

2.20 Drilling

2.21 Purpose and Scope of Drilling

One core hole, E91-4, was drilled in 1991 to evaluate a 3.5 km long EM conductor detailed in geophysical surveys in 1990 and 1991. The hole was also expected to evaluate a second EM conductor that appeared sub-parallel and close to the first.

2.211 Core Storage

Core from the drilling being reported on is stored at Cominco's exploration core storage area at the Sullivan Mine in Kimberley.

2.22 Results and Interpretation

Results of drilling are given below. Drill logs and analyses appear in Appendix B.

2.221 DDH E91-4

DDH E91-4 was collared at UTM coordinates: 5517080N 600920E at an elevation of 1460 metres on azimuth 250 at a dip of 35°. In the following, reference is made to the subdivision of the Aldridge Fm. in the Hughes Range as outlined in Hoy 1978 (Plate 3).

To (Metres)	Description
0 - 12.5	Overburden
12.5 - 319	Aldridge Fm. unit A1f with A1e. Wacke and subwacke, grey to dark grey, laminated, silt grain size, rare calcareous intervals. A few thick beds of wacke, sand and silt grain size constitute unit A1e. Fault zone 67-76.5. Numerous small broken zones may be faults, particularly where slickensides are common. Several intervals in which quartz veinlets and occasional veins are common were sampled but no encouraging base metal or gold indicators were recorded.
319 - 367	Aldridge Fm. unit A1d. Wacke and subwacke, very calcareous, pale grey with numerous dark grey and more calcareous boudins. Laminations noted but rare, otherwise this unit has a uniform appearance.
367 - 489	Aldridge Fm. unit A1c. Subwacke, graphitic, black, thinly laminated. Bed surfaces are commonly polished and very conductive, some solid core lengths are conductive over 50 cm. This interval occurs vertically below the surface trace of the EM conductor. Quartz

veins, rarely 10-50 cm wide, are present in the most deformed zones. One alteration zone 455.8 - 457.9 of quartz, dolomite, siderite and sericite contains minor pyrite.

489 - 504 Aldridge Fm. unit Alb.
Dolomite-chert sequence, weakly calcareous, white, thin bedded with internal laminations common.

504 - 628 Aldridge Fm, unit Ala.
Subwacke, grey to light grey, uniformly thinly laminated.

628 - 708 Fort Steele Fm.
Quartz arenite, white, fine to coarse sand grain size, rare argillaceous layers.

Samples for trace element, and occasionally whole rock, analysis were collected from most stratigraphic units and where quartz veining or alteration was present. Analyses are shown in Appendix B.

2.23 Discussion of Drilling

Nearest outcrops of the Fort Steele Fm. in this structural block are about 2 km west and 1.5 km NNW of DDH E91-4; they are up to 500 m higher in elevation. Very low angle (about 10°) normal faults are interpreted to dissect the nappe structure that occupies this part of the Hughes Range (Hoy, 1978). Such low angle faults are exposed in road cuts north of the drill site. Hoy (1978) has documented one such fault that juxtaposes Unit A1b on Fort Steele strata 2 km to the west and three similar low angle, west-dipping normal faults cutting slightly younger Proterozoic strata 5 to 10 km NE and north of the Estella area. These normal faults post- date Cretaceous folding and are inferred to have formed during regional Eocene extension (Price 1981).

2.24 Conclusion on Drilling Results

One EM conductor was explained by intersection of unit Alc in DDH E91-4. A west-dipping, low angle normal fault that truncates this unit several hundred metres below surface is in agreement with the EM observations. The second EM conductor is not present on the line on which drilling was done, however it had been inferred to be, based on EM data to the north where two conductors were clearly resolved. It is assumed this second EM conductor is also a formational feature, probably in another fault slice.

No sulphides of economic interest were intersected in the drilling, nor were there any base metal or gold indications in any of the core sampled.

2.30 SOIL GEOCHEMISTRY

2.31 Objectives of Soil Geochemistry Program

The purpose of the 1991 geochemical program was:

1) To locate a lead-zinc or gold anomaly indicative of an economic mineral deposit.

2) To increase sample density where previous sampling (di Spirito, 1987) had been done.

3) To have overlapping data sets of ICP analyses for comparison purposes because recent analytical techniques are more reliable than when the previous work was done.

4) To have an overlapping data set of gold values obtained from large and small samples screened to -150 mesh and analyzed by fire assay on 50 or 10 gm for comparison with previous analyses obtained by AA on 10 gm samples (mesh size not recorded but probably -80). The purpose of the larger samples and -150 mesh screening was to minimize possible nugget effect and increase confidence that results would be repeatable.

5) To cover much of the northern part of the property, including parts of the Ehlinger option, in detail.

2.32 Procedures

Sampling was done at 50, and in some cases, 25 metre spacing. Holes were dug using shovel and B horizon material, if present, was collected; if B horizon was not present the material consisted of talus or bedrock rubble and a sample of fines was collected. Samples were identified according to their position on the EM grid. Samples were either 200 to 400 gm or 1.5 to 2.0 kg size as indicated, respectively, by the 10 or 50 gm weight used for gold determination (shown with the assay). The small samples were placed in Kraft paper bags and dried at room temperature, the large samples were placed in plastic bags and oven dried. Small samples were screened and analyzed at the Cominco Exploration Laboratory in Vancouver; large samples were screened in Cranbrook and analyzed at the same lab in Vancouver. Large samples provided at least 50 gm of -150 mesh material, small samples at least 10 gm. Analytical procedures consisted of 20 element sequential ICP, cold vapour/AA for mercury with a 10 ppb detection limit; gold was determined by fire assay with an A.A. finish with 2 ppb and 10 ppb detection limits for 50 and 10 gram samples respectively.

2.33 Results of Soil Geochemistry

In all, 741 soil samples were collected and analyzed. Data are

tabulated in Appendix C.

2.34 Discussion of Soil Geochemical Results

With reference to the objectives in the same order as listed in section 2.31 the following comments are made:

1) No anomaly indicative of a subcropping lead-zinc or gold deposit was discovered.

2) This survey overlapped the earlier one, thereby increasing sample density.

3) In the area of overlap, the following comments are made on ICP analysis of Pb, Zn and As.

i) Lead values obtained in 1991 are similar or slightly lower than those obtained earlier.
ii) Zinc values obtained in 1991 are substantially lower than those obtained earlier. This was not unexpected and probably reflects the ability of newer ICP systems to eliminate interference and the greater accuracy of sequential over simultaneous measuring techniques.
iii) Arsenic values obtained in 1991 were substantially lower than obtained earlier, however the same small area was anomalous in both surveys.

4) In soil sampling for gold, larger samples and analysis of a finer fraction (-150 rather than -80 mesh), are methods employed to improve repeatability and reduce any nugget effect. Analysis by fire assay, instead of by wet chemical methods, generally gives the most reliable data. The 1991 survey obtained 13 locations in which values exceeded 50 ppb in a 1000 x 1500 metre area that in the earlier survey yielded 29. There were about 60 samples in this area in both surveys. This area is not attractive because of a lack of clustering indicative of a single source. Over the remainder of the grid, no trends in the distribution of gold appear worth following up.

The overall results of the 1991 soil geochemistry survey on the Estella property were not encouraging. Lead, zinc, gold and arsenic values in the area of grid overlap are lower, largely because the 1991 results are based on more rigorous sampling and more refined analytical procedures. Results of Pb, Zn, As and Au were generally lower over the part of the grid outside the area of overlap.

One element not previously analyzed in Estella area geochemical surveys is mercury. In some buried sulphide deposits where trace mercury is present, mercury may be released and a vapour phase results in a soil anomaly. Mercury is present at Estella. One area stands out as being anomalous, unfortunately several quartz

veins that contain galena have been documented there as well and explain the anomaly. Elsewhere other anomalous values present are not sufficiently numerous nor are they clustered enough to indicate presence of a sulphide body at depth.

3.00 CONCLUSION

The 1991 program failed to identify areas suitable for further follow-up in the search for an economic mineral deposit. Geological information, through mapping and drilling, has demonstrated significant low-angle westerly-dipping normal faults developed during Eocene extension that dissect an older nappe structure. Drilling has shown a several km long EM conductor to be the response to a graphitic stratigraphic unit below one of these normal faults.

4.00 REFERENCES

Hoy, T. (1978) Geology of the Estella-Kootenay King Area, Hughes Range, Southern British Columbia, Preliminary Map 36 with Accompanying notes, B.C. Ministry of Energy, Mines and Petroleum Resources.

Price, R. A.; Monger, J.W.H; and Muller, J.E. (1981)

Cordilleran Cross-Section, Calgary to Victoria in Field Guides to geology and Mineral Deposits, Calgary '81 GAC, MAC, CGY 1981.

Schultze, C. (1990) Diamond Drilling Report, Estella Property, B.C. MEMPR Assessment Report 20841.

de Spirito, F.; Pawliuk, D.J. and Mertens, H. (1987)

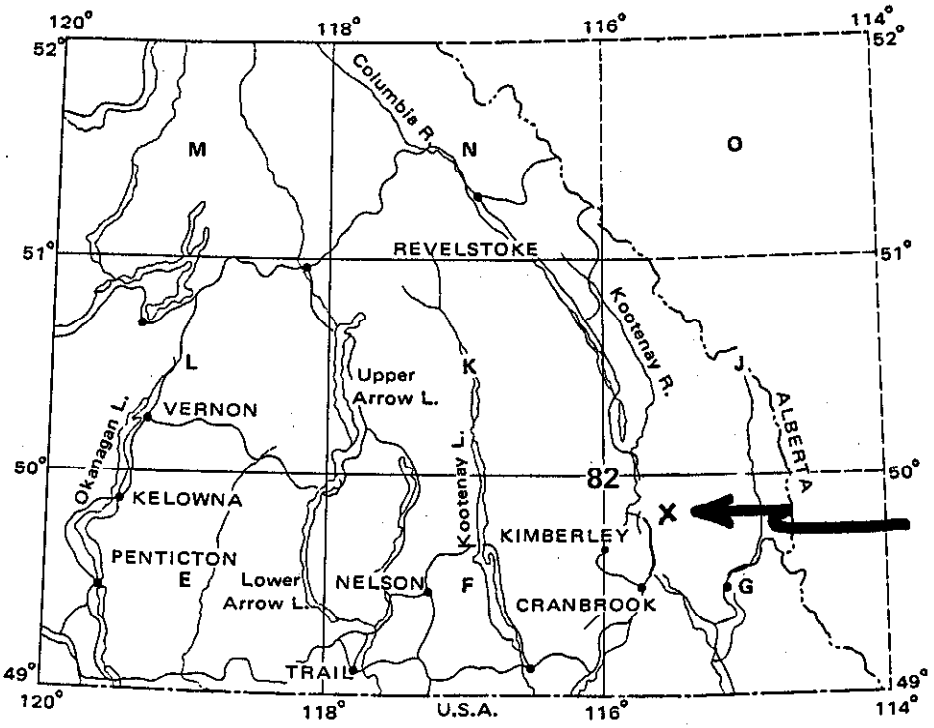
Geological, Geophysical and Geochemical Surveys on the South King Property, B.C. MEMPR Assessment Report 16,337.

Report by: P. Ransom
P. W. Ransom
Project Geologist

Endorsed by: D. Anderson
D. Anderson, P. Eng.
Senior Geologist

Approved by: W. J. Wolfe
W. J. Wolfe
Manager Exploration
Western Canada

Distribution: Mining Recorder (2 copies)
WD Exploration
Kootenay Exploration
Bakra Resources
Bethlehem Resources



100 km
SCALE

Iss'd To:	Date:

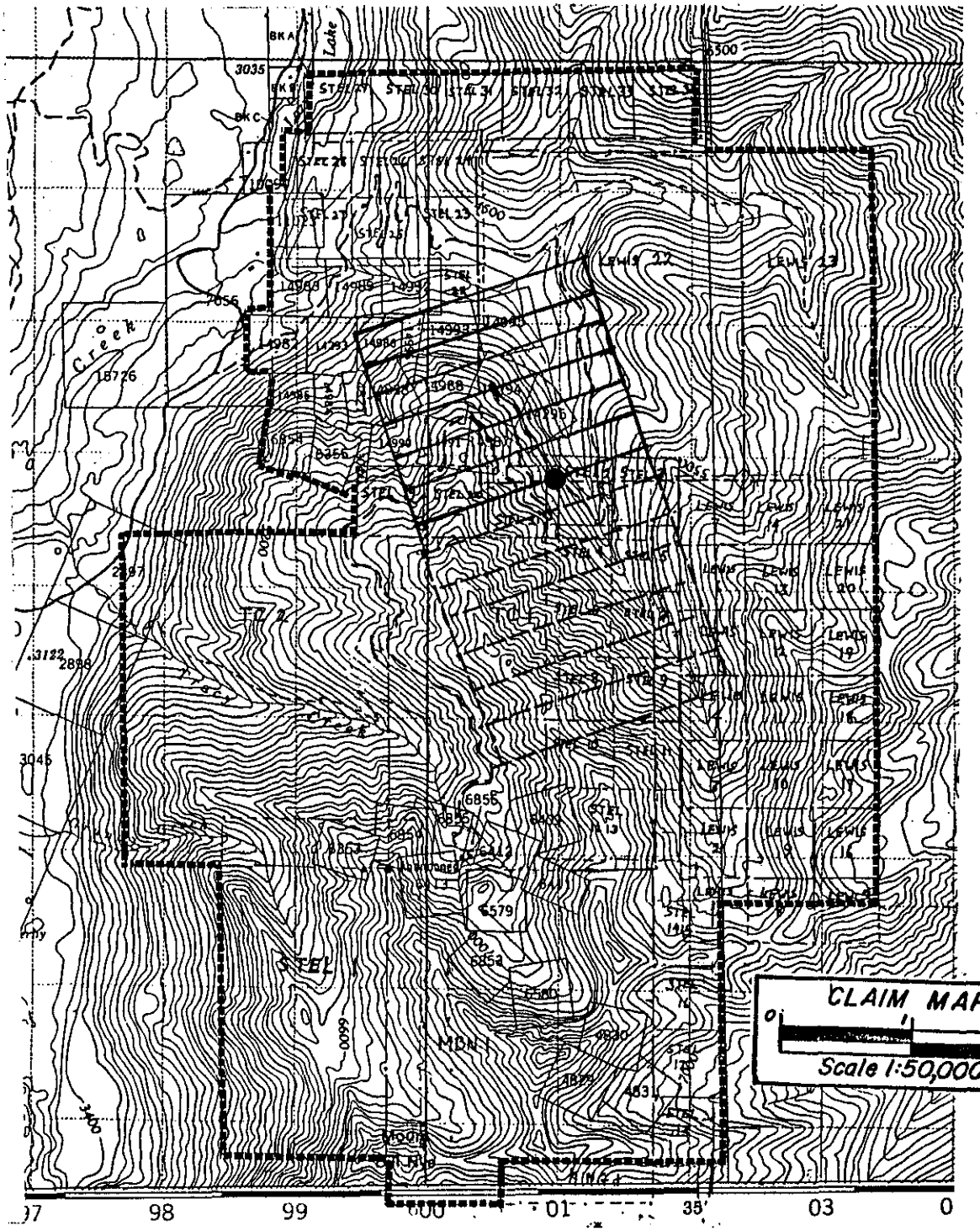
Cominco

ESTELLA PROPERTY

LOCATION MAP

FORT STEELE MINING DIVISON, B.C.

Drawn by:	Scale:	Date:	Plate:
		November, 1991	1



● DIAMOND DRILL HOLE E91-4

SOIL GEOCHEM GRID

EM AND SOIL GEOCHEM GRID

Iss'd To:	Date:

Cominco

ESTELLA PROPERTY

CLAIM OUTLINE AND 1991 EXPLORATION ACTIVITY

Drawn by:	Scale:	Date:	Plate:
PWR	1:50 000	December 1991	2

CRETACEOUS

QUARTZ MONZONITE, SYENITE

CAMBRIAN

Cc CRANBROOK FORMATION: QUARTZITE

CJ JUBILEE FORMATION: DOLOMITE, CALCITE MARBLE

HADRYNIAN

PCT TOBY FORMATION: CONGLOMERATE, SILTSTONE, ARGILLITE

HADRYNIAN/HELIKIAN

PURCELL SUPERGROUP

PURCELL SILLS AND DYKES

R ROOSVILLE FORMATION: GREEN SILTSTONE AND ARGILLITE; MINOR STROMATOLITIC DOLOMITE AND OOLITIC LIMESTONE

P PHILLIPS FORMATION: RED TO PURPLE ARGILLITE AND SILTSTONE

G GATEWAY FORMATION: SILTSTONE, ARGILLITE; DOLOMITE, LIMESTONE

- G1 SILTSTONE, ARGILLITE
- G2 DOLOMITE, LIMESTONE, SILTSTONE

S SHEPPARD FORMATION: DOLOMITE; MASSIVE, STROMATOLITIC, OOLITIC; SILTSTONE, QUARTZITE

- Si DOMINANTLY SILTSTONE

ℓ PURCELL LAVA: INTERLAYERED SILTSTONE, ARGILLITE, AND ANDESITIC LAVA

- LAVA FLOWS

S.U. SILTSTONE UNIT: GREEN SILTSTONE AND ARGILLITE

K KITCHENER FORMATION: DOLOMITE, SILTY DOLOMITE, LIGHT GREEN SILTSTONE; MINOR LIMESTONE

- Ki INTERLAYERED SILTSTONE AND DOLOMITE

C CRESTON FORMATION: GREEN AND PURPLE ARGILLITE AND SILTSTONE, WHITE AND GREEN QUARTZITE; MINOR DARK ARGILLITE

ALDRIDGE FORMATION

A3 DARK GREY FINELY LAMINATED ARGILLITE; MINOR SILTSTONE

- A3i DARK GREY ARGILLITE WITH LENTICULAR BEDDING

A2 QUARTZITE, SILTSTONE; INTERLAYERED WITH DARK ARGILLITE

A1 FINELY LAMINATED ARGILLITE, SILTSTONE; MINOR DOLOMITE, QUARTZITE

- f MEDIUM TO DARK GREY SILTSTONE, ARGILLITE
- e THICK-BEDDED QUARTZITE; MINOR CONGLOMERATE
- d BUFF-COLOURED DOLOMITIC SILTSTONE, DOLOMITIC ARGILLITE; ABUNDANT LENTICULAR BEDDING AND RIPPLE CROSSBEDDING
- c GREY SILTSTONE, ARGILLITE; TAN SILTSTONE, BLACK GRAPHITIC ARGILLITE
- b SILTY DOLOMITE, DOLOMITIC SILTSTONE; MINOR LIMESTONE
- a GREY TO BLACK SILTSTONE AND ARGILLITE

F FORT STEELE FORMATION: WHITE CROSSBEDDED QUARTZITE, MUD-CRACKED SILTSTONE, ARGILLITE

Cominco

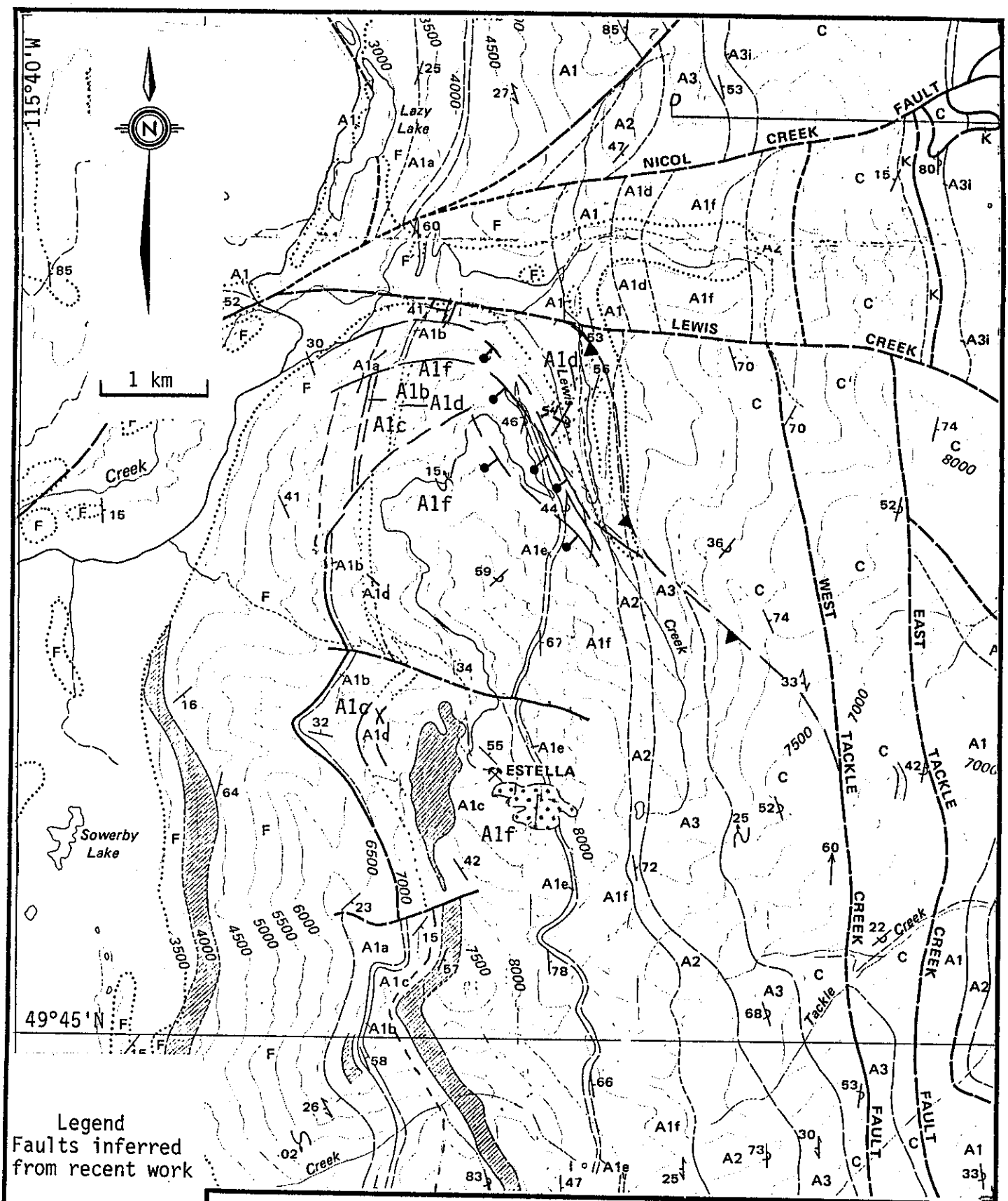
Iss'd To:	Date:

STRATIGRAPHIC UNITS FOUND

IN THE HUGHES RANGE AND ESTELLA AREA

(from Hoy 1978)

Drawn by:	Scale:	Date:	Plate: 3



Legend
Faults inferred from recent work

Thrust
Normal

Iss'd To:	Date:

Cominco

GENERAL GEOLOGY ESTELLA AREA

MODIFIED FROM HOY 1978

(See Plate 3 for description of stratigraphic units)

Drawn by:	Scale: 1:50 000	Date: Dec. 1991	Plate: 4

EXHIBIT "A"

STATEMENT OF EXPENDITURES

DIAMOND DRILLING - ESTELLA PROPERTY

FORT STEELE MINING DIVISION

ROADBUILDING & DRILL SITE PREPARATION:		
	Wright Contracting, RR2, Site 8, box B2, Cranbrook, BC V1C 4H3 July 5-Aug. 13/91	$8,190.00
	Aug. 29/91	$180.00
	Mardis Logging Box 80, Skookumchuck, BC V0B 2E0 July 10, 1991	$254.40
DRILLING:	Supplies	$1496.09
	Connors Drilling, 2007 W. Trans Canada Hwy., Kamloops, B.C. V1S 1A7 July 16-Aug. 31/91	$100,113.88
SALARIES:	P.W. Ransom 59 days @ $285/day	$16,815.00
	R. T. Walker 20 days @ $160/day	$3,200.00
	D. Anderson 2 days @ $300/day	$600.00
GEOCHEM:	Salaries: N. Firt 23 days @ $115/day	$2,645.00
	P. Raj 6 days @ $115/day	$690.00
	R. Tarapaski 17 days @ $115/day	$1,955.00
	D. Vanderkley 1 day @ $115/day	$115.00

	Overtime days	$1,823.00
	G. Joki	$776.00
ASSAYS:	741 soil samples @ $23.25 each	$17,228.25
	D.D. and rock samples: 37 samples @ $23.25 each	$860.25
DOMICILE:	Rent	$2,082.80
	Daily living expenses	$1,438.88
TRANSPORTATION:	Truck 81 days @ $40/day	$3,240.00
	Vehicle rental	$758.85
	Repairs & Misc.	$960.52
	Freight	$968.22
	Fuel	$1,250.36
DRAFTING:		$239.65
SUPPLIES:	Field and office	$1,510.68
	TOTAL	$169,391.83

IN THE MATTER OF THE

B.C. MINERAL ACT

AND

IN THE MATTER OF AN EXPLORATION PROGRAM

CARRIED OUT ON THE ESTELLA PROPERTY

in the Fort Steele Mining Division of

Province of British Columbia

More Particularly N.T.S. 82G/13E

A F F I D A V I T

I, Paul W. Ransom, of the rural district of Wycliffe, in the Province of British Columbia, make Oath and say:

1. That I am employed as a geologist by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose:

2. That annexed hereto and marked as Exhibit "A" to this my affidavit is a true copy of expenditures incurred on a diamond drill and soil geochemical program on the Estella property.

3. That the said expenditures were incurred between May 1 and August 31, 1991.

P. Ransom

P. W. Ransom
Project Geologist

COMINCO LTD.

EXPLORATION WESTERN DISTRICT

AUTHOR'S QUALIFICATIONS

As author of this report, I, P. W. Ransom, certify that:

I am a geologist active in mineral exploration.

I am a graduate of McGill University with a degree of Bachelor of Science.

I have been continuously engaged in mining and exploration since 1966.

I am a member of the Geological Association of Canada.

I supervised Cominco Ltd.'s Estella area exploration program in 1991.

P. Ransom

P. W. Ransom
Project Geologist

APPENDIX A

SURFACE AND ADIT SAMPLING ANALYSES

LOCATION AND SAMPLE DESCRIPTIONS

LAB NO.	FIELD NO.	
R91 06544	2501-RW029	Fifteen metres into second adit below hairpin turn at 1900 mE on Line 3800N. Quartz-limonite vein with malachite staining evident, 50 cm. wide.
R91 06545	2502-RW030	About 30 metres into same second adit in branch to south. Oblique 1 m sample across 50 cm
R91 06546	2503-RW031	69 metres into third adit below hairpin turn at 1900m E on Line 3800N. Crush zone of A1f near A1e, NW dipping fault about 35 cm across, limonite present.
R91 06547	2504-RW032	Same location as RW031, 60 cm of thinly bedded subwacke above fault, blocky to flaggy.
R91 06548	2505-RW033	Same location as RW031, 1m of thinly bedded subwacke below fault.
R91 06549	2506-RW035	Adit at elevation 1388m west of base line 1000E near 4000N, on east bank of second creek west of grid. Quartz vein 35 cm wide with galena and malachite.
R91 06550	2508-RW036	Same location as RW035, sample 1 m north of RW035 across 25 cm of veins in limonite stained zone.
R91 06551	2509-RW037	Same location as RW035, at 55m into 60m long adit. Area of quartz veins with galena, malachite and azurite sampled over area 1x1m.

ESTELLA-WD

JOB V 91-0331.R
REPORT DATE 30 SEP 1991

LAB NO	FIELD NUMBER	Au(1) G/T	Au(1) OZ/T	Hg PPB
R9106544	2501-RW029	0.411	0.012	53
R9106545	2502-RW030	<0.034	<0.001	10
R9106546	2503-RW031	0.069	0.002	66
R9106547	2504-RW032	<0.069	<0.002	73
R9106548	2505-RW033	<0.069	<0.002	62
R9106549	2507-RW035	0.137	0.004	<10
R9106550	2508-RW036	<0.069	<0.002	220
R9106551	2509-RW037	<0.069	<0.002	<10

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN ,RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au(1) FIRE ASSAY, LEAD COLLECTION / GRAVIMETRIC FINISH
Au(1) FIRE ASSAY, LEAD COLLECTION / AA FINISH (LOW LEVEL) 1/2 A.T.
Hg FLAMELESS AAS

ESTELLA--WD

JOB. V 91-0331R
REPORT DATE 30 SEP 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
R9106544	2501-RW029	899	E10900	137	9.0	10	154	2	4	10	2.14	27	62	<5	<4	2	665	2.77	<.01	.05	3.69	.02	.03
R9106545	2502-RW030	136	1081	47	1.1	14	17	<1	5	12	2.22	23	102	<5	<4	5	602	2.43	<.01	.05	2.37	.01	.05
R9106546	2503-RW031	20	37	116	<.4	6	98	<1	10	21	2.44	3	22	<5	<4	6	201	2.10	<.01	1.27	.10	.01	.28
R9106547	2504-RW032	32	17	82	<.4	3	63	<1	10	22	2.94	4	23	<5	<4	7	189	1.85	<.01	1.17	.09	.01	.31
R9106548	2505-RW033	23	20	64	<.4	8	38	<1	10	23	2.24	5	19	<5	<4	4	544	1.74	<.01	.95	.15	.02	.28
R9106549	2507-RW035	1775	E72700	1325	E214	308	38	78	1	9	3.01	45	78	52	990	2	189	.89	<.01	.06	.68	<.01	.08
R9106550	2508-RW036	1175	E73400	1700	E206	272	45	61	2	12	4.21	58	56	76	549	2	169	.44	<.01	.06	.45	<.01	.13
R9106551	2509-RW037	29	E52300	42	48.8	3	7	29	1	4	.42	<2	176	33	55	<2	186	.03	<.01	<.01	1.55	.02	<.01

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

APPENDIX B

DIAMOND DRILL LOG

AND

ANALYSES ON CORE

Diamond Drill Geological Log For D.D.H. ESTELLA E91-4

LAT. 5517080N (UTM) DEP. 600920E ELEV. 1460 m

DIP: 35 AZIM.: 250 LENGTH: 708.2

HORIZ. COMP. 552.2 VERT. COMP. 441.4

DATE COLLARED: July 10, 1991 DATE COMPLETED: August 3, 1991

CORE STORAGE: At Cominco's Sullivan Open Pit Core Yard.

DRILLED ON CLAIM(S): STEL 2 (Rec. 3420)

OBJECTIVE: To evaluate a 3.5 km long UTEM conductor the top of which is inferred to be 400 m below surface.

PLANNED LENGTH: 500 m

TERMINATION COMMENTS: Aldridge FM. Unit Alc, from 367.4-489.0 m, a carbonaceous wacke, is the EM conductor. The hole was drilled to 708m to test possibility of a second conductor recognized 300 m to the north but not resolved on line of drill hole. None was found.

DRILLED BY: Connors Drilling Ltd.

TYPE DRILL: Boyles 56

CORE SIZE: HQ 0 to 440; NQ 440-708

PERFORMANCE COMMENTS: Rig performed well. Ground conditions were fair with several poor sections to 500 m. Good conditions predominant below 500.

CASING REMAINING IN HOLE (LENGTH & SIZE): HQ rods used as N casing were stuck in the hole, only 100 m were recovered.

TYPE CAP & SEALING METHOD: 3 m of PW casing left to mark collar.

OTHER MATERIAL REMAINING IN HOLE: HQ rods with shoe stuck in hole from 97.6 to 440 m.

SURVEY INSTRUMENT USED: Sperry Sun Single Shot, results on right.

ADDITIONAL DOWN HOLE TESTS:

GENERAL COMMENTS: This is the only hole drilled at Estella in 1991.

BCAD is used as abbreviation in the log for:

- B angle of bedding to core.
- C angle of cleavage to core.
- A alpha angle, the angle around the core in a clockwise sense from facing direction of cleavage (reference plane) to facing direction of bedding.
- D depth

Collar and Down Hole Surveys

Depth	Dip	Azimuth
0.0	35	250
38.1	35	255
91.2	36	259
226.2	40.75	252.5
351.5	41.75	250
460.0	39.5	251
585.7	38.1	256
708.2	35	259

LOG LEGEND

BED THICKNESS CLASSIFICATION

BEDS	Very Thick Bedded
	100 cm
	Thick Bedded
	30 cm
	Medium Bedded
	10 cm
	Thin Bedded
	3 cm
	Very Thin Bedded
	1 cm
LAMINAE	Laminated
	0.3 cm
	Thinly Laminated

LITHOLOGY ABBREVIATIONS

- OQ - Orthoquartzite
- SA - Subarkose
- QW - Quartz Wacke
- QCW - Quartzitic Wacke
- W - Wacke
- SW - Sub Wacke
- AG - Argillite

D.D.H. ESTELLA E91-4

Drill Hole Record

Scale

Colour Plot & Dips

Cominco

Property	District	Hole No.	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet

Footage From	Footage To	Description	Analysis
0	12.5	Triconed - overburden and bedrock rubble.	
12.5	27.3	Wacke, dark grey laminite with 10% intercalated subwacke and argillite beds 1 to rarely 10 cm thick. Fine sparsely disseminated Pyrite. Pyrite also present associated with Quartz and Dolomite as infillings parallel to bedding 0 to 5 mm wide and in cross cutting veinlets. Fracture surfaces are commonly rust weathering and some have slickenside lineations. Core is badly broken. Bedding to core 30° @ 14 m, 14° @ 21.3 m, 12° @ 24.7 m, 10 cm sample 4751 at 20.9 m has several Pyritic veinlets; one Py-Quartz veinlet perpendicular to bedding is compacted indicating it may be diagenetic. Py-Quartz in bedding has Pyrite boudins.	
27.3	29.6	Wacke, quartz wacke; medium grey; massive, no bedding contacts observed or preserved, a few faint laminations are present; short quartz wacke interval at 27.7 m probably has sand size grains, remainder of interval is silt. Broken; brown rust stain on fractures. Bedding to core 10° @ 27.7 m.	
29.6	35.1	Wacke, dark grey laminite, minor pyrite sparsely disseminated and in veinlets parallel to and crosscutting bedding. Core broken throughout; badly crushed over 10 cm at 29.7 m; gouge 30.3 to 31.7 (1.1 m missing). Bedding to core 15° @ 33.2 m.	
35.1	36.0	Wacke, medium grey; massive unit, probably a single bed; coarsest (fine sand?) at start then silt. Contact at 36.0 m is quartz-vein with abundant wall-rock breccia fragments, and is irregular to sub-parallel to core over 10 cm. 10 cm sample 4752 @ 35.5 m, homogeneous sand, coarse Py has appearance of clasts, matrix has ankerite.	
36.0	42.1	Brecciated and quartz veined wacke/subwacke, dark grey. Core moderately to heavily broken; slickenside lineation and polish on fracture surfaces commonly sub	

211-9437

Scale

Computer Plot
& Logs

6

Drill Hole Record

Cominco

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet 7
Analysis						

parallel to core. 10 cm sample 4753 is 40% veined bx, minor Pyrite at 39.2 m.

42.1	54.6	Wacke, dark grey, thinly laminated where not obscured by alteration. Quartz veinlets throughout with 5-20 cm intervals of pervasive silicification. Three generations of quartz veining recognized, the second generation is Pyritic and conductivities with near-zero resistance over 10 cm were obtained. Pyritic zones up to 2 cm wide. Short sections of core crumble and fragments have abundant slickensides. Polished slickenside surfaces parallel and across bedding are common throughout. Bedding to core 25° @ 44.8, 23° @ 48.8, BCAD 0°, 50°, - @ 50.9 (cleavage is a close spaced veinlet/fracture set), 0° @ 53. 10 cm sample 4754 has lcm granular Pyrite with ~20% Qtz in vein @ 46.6 m.
54.6	67.1	Wacke, partially silicified, medium grey; quartz veinlets mostly above 60.0 m, 15 cm quartz vein at 56.2 m; core broken to 56.7 m then fair to good. Bedding mostly obliterated by brecciation and shearing. Some polished slickenside surfaces noted (chloritic and slightly graphitic, rarely pyritic). Small irregular pyritic masses present but rare. BCAD 20°, 24 °, ~180° @ 59.1 (cleavage is an irregular close-spaced fracturing. 10 cm sample 4755 is of vein quartz @ 56.4 m; 10 cm sample 4756 is healed breccia that includes Pyrite fragments to 1 cm, slightly silicified @ 66.2.
67.1	76.2	Fault zone. Carbonaceous mylonite and gouge, minor finely crushed (vein?) quartz. Drilling process resulted in pyrite grains coating and impregnating surface of core from 72.3 - 72.6; coarse Pyrite vein is present in part of this interval. Upper contact 10° to core; lower contact not preserved, however slickensides and shearing is parallel to sub-parallel to core in the vicinity.
76.2	91.7	Wacke, medium grey, altered such that whatever original bedding or lamination there was is rarely discernable. Heavily fractured and sheared from sub-parallel to 22° to core from 76.2 to 79.3. Faint bedding to core: 30° @ 86.1 m, 50° @

211-8437

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Claim		Collar Dip		Length	Sheet 3
	T Brg.		Elev.		Hole No.
Analysis					

90.2 m. 12 cm Sample 4757 has BCAD 45°, 0°, - @76.4, no sulphides.

91.7 109.5 Wacke to subwacke, medium and dark grey, laminite; slightly darker (carbonaceous?) in proximity to 109.5. Quartz veinlets in cleavage, some parallel to bedding, coarse Pyrite in quartz veinlets and disseminated in pale laminations between 100.0 and 105.7 m. Quartz veinlets at 92.1 and 94.7 are shortened and have pressure solution cleavage "bows" developed. BCAD 50°, 6°, 180° @ 92.1 m; 57°, 07°, 189° @ 96.3 m (abrupt changes in bedding at small irregular healed fault); 15°, 0°, 342° @ 98.2; <5° from 100.0 - 100.5; 0° ± 2° to 103.7; 18°, 0°, 019° @ 106.4; 90°± 20, 10° - @ 107.5 (fold nose, strong cleavage with parallel quartz with minor pyrite veinlets); 0°, 15°, 0°? @ 108.1.

109.5 123.5 Wacke, subwacke, carbonaceous; very dark grey to black, some pale grey laminations. Several small boudins of Pyrite-quartz vein less than 1 cm wide. Brecciated and veined with quartz with only rare Pyrite from 120.0 - 123.5. Soft graphite crumbles and mud (with minor quartz over 5 cm) from 118.6 - 119.2. Polished slickenside surfaces, some graphitic but some must be chloritic. BCAD 0°, 20°, ±0° @ 111.1 (good pressure solution cleavage bows on offset quartz veinlet; 10° @ 116.2; 30°, 10°,18° @ 122.0. Veining, brecciation and irregular shearing from 122.0 to 123.5 is indicative of a fault zone. 10 cm specimen 4758 at 121.3 of two ages of barren quartz veining, small discontinuous Pyrite veinlet present.

123.5 125.5 Vein quartz breccia with wacke fragments to 124.5, below which the wacke is strongly altered to an olive green talcose rock. Minor veining and no brecciation below 124.8, however talcose alteration continues on one side of a fracture at about 5° to core to 125.5. 10 cm specimen 4759 of veined at talcose altered breccia at 124.5 - 124.6.

125.5 131.4 Wacke, subwacke, light grey, possibly thin or medium bedded, possible bed contact at about 5° or 10° to core. Quartz veining throughout, two zones of mostly quartz

Scale

Cover Plot & Dips

Drill Hole Record

Cominco

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
Analysis						

and subordinate chloritized wall rock inclusions about 40 cm long have irregular contacts from 30° to 60°. 12 cm sample 4760 from 130.2 - 130.3 is of a large vein.

131.4 154.4 Subwacke, grey to light grey, with rare shortened calcareous boudins also light grey; faint lamination sometimes seen is generally parallel to core. Below 142.6 core has separated on bedding and cleavage surfaces and virtually no detail is preserved. Slickensides are present throughout on bedding surfaces, cleavage probably parallels bedding and structure is of an attenuated fold limb.

154.4 171.0 Wacke, subwacke, grey gradually becomes darker below about 165; several limy intervals estimated to be as much as 10 cm in stratigraphic thickness, these are most often distinctly laminated . From 161.3 to 167.7 is the most distinctively laminated interval to this depth; it resembles Upper Aldridge Fm; within it numerous kink bands are developed at about 60° to core. Bedding is sub-parallel to core above 164.2, 35° at 164.2, 6° to 40° at 166.8, 0° @ 167.5, 25° @ 167.7. Centimetre and less seams of gouge in broken core at 156.9 is indicative of a minor fault. Core sub parallel to quartz vein at least 3 cm thick from 167.7 - 168.0.

171.0 211.6 Subwacke and wacke, subwacke predominant from 171.0 - 188.1 then wacke; dark grey, faintly thinly laminated throughout; a few quartz with creamy white dolomite veinlets and small veins between 171.0 and 191.5. Polished slickensides commonly developed on bedding surfaces; core commonly splits and breaks apart on these surfaces from 171.0 to 195.1 then is fairly solid. Structure appears to be an attenuated fold limb. Gouge in 0.1 to 1.0 cm wide zone cuts core at 45° at 173.0 Bedding to core: 8° @ 174.7, 29° @ 176.5, 42° (probable bedding) @ 177.9, BCAD 40°, 51°, approx. 0° @ 194.2 with kink bands of lams at 45° at approx. 65°, lams 0° to 10° to core to 211.6. 15 cm. sample 4761 of multi stages of quartz veinlets and small veins containing infills of milky dolomite at 189.3.

Drill Hole Record

Cominco

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet 5
Analysis						

211.6	319.2	Wacke/subwacke dark medium to dark grey, almost entirely thinly and occasionally distinctly, throughout, continuation of previous lithotype. Slight carbonate content nearly throughout indicated by up to 30 seconds duration development of fine, non-effervescing bubbles with 10% HCR. Variations include occasional minor quartz or quartz-dolomite veinlets, a number of which display tight ptygmatic folding that have axial planes parallel to the regional cleavage. Polished chloritic slickenside surfaces are occasionally present, developed on bedding and cleavage. Pyrite is rare, some grains have calcite ± quartz pressure shadows. Well developed continuative scale cross laminations from 248-249 suggest strata overturned assuming cleavage (there 5°-10° to core) is shallower than dip of hole (about 41°). Flame structure at 256.1. Core condition is generally excellent; broken with minor gauge @ 218.6, 1 cm of gauge and up to 5 cm shearing on downhole side of gauge at 26° to core and dipping in opposite sense (alpha @ 180 to bedding) to bedding of 15° at 259.8, two gougey surfaces 55° @ 283.4 , 30° @ 290.9, crush and minor broken core with 0.5 cm gauge over 10 cm parallel to core 291.5-292. 10 cm wide clay gauge with rock fragments at 12° to core at 299.7. 0.5 cm gauge @ 50° to core @ 312.2 is parallel to bedding; 3 cm gauge at 70° to core at 317.7 (no bedding visible). Small scale folds (a few cm in size) not noted above 288.7, at 288.7 a parallel fold system is developed over 15 cm interval - above and below laminations are flat and parallel, at midpoint fold is nearly isoclined; several one centimetre size fold pains defined by dark lams in pale grey calcareous matrix @ 290.5; section 288-296(+?) is fairly calcareous, 294.2-296 calcite replacement parallel to layering is involved in a well developed parallel fold set that in turn is cut by later calcite tension gashes. Bedding to core: 20° @ 214.6, o° from 221.6-223.3, 14° @ 226.8, 0± 5° with short folds to 20° from 229.2 - 233.2, 12° @ 240.2, 16° @ 253, 14° @ 261, 28° @ 275, 19° 281.1, 27° 286.6, 23° @ 293.6; 40° 300.3, 306.4, and 311.6 Several intervals resemble the distinct lamination style of Upper Aldridge Fm., however somewhat less of a contrast between lamination types is evident (the pale siltite layers and starred ripples characteristic of U.A. have not been observed).

211-9437

Drill Hole Record

Cominco

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet 6
Analysis						

Transitional to following interval, increased carbonate is some 1 to 2 metre long intervals in last few metres, also laminations fade out. Sample 4762: ; 4763: 271.0-271.1; 4764: 278.3-278.4.

319.2	367.4	Subwacke, very calcareous, with short sections of wacke also very calcareous, and lesser argillite (not calcareous); pale grey, argillite distinct greenish tint, gradually changes to dark grey below 365; laminations are rare and present only near start and end of interval; boudins or concretions of more limy wacke are common and are sub-parallel to a vague fabric occasionally seen. Bedding to core 65° @ 319.5, 60° @ 323.9, 55° @ 329.0, 56° 333.8, 62° 345.4, 60° @ 363.7, BCAD 55°, 25°, 21° @ 329.0. 10 cm sample 4765 with lamination and cleavage for T.S. and analysis at 329.0; 4767 for T.S. and analyses @ 340.3-340.4; 4768 for T.S. and analysis @ 355.2-355.3 across 3 concretions (not very pyritic) displaying sides of 2 and end of the middle one. Small crush zone 8 minor gouge over 10 cm @ 338.1 (minor fault) 40° to core. This interval is Aldridge Formation Hughes Range Facies Unit Ald.
367.4 Summary	489.0	Wacke, carbonaceous to very graphitic, black, thinly laminated. Above 413 the rock is surprisingly hard in places, bedding is generally uniform with several deformed and badly broken zones below 413 deformation is more common and more extensive and quartz veining highly conductive graphite zones are common and predominate below 443.6. This interval is interpreted as Aldridge Formation. Hughes Range Facies Unit Alc and is also interpreted as the eastern UTEM conductor. Detailed log and sampling follow.
367.4	370.1	Wacke/subwacke, carbonaceous, very dark grey, thinly laminated, cleavage is penetrative, fine black biotite or carbonaceous wisps, BCAD 39.33, 0 @ 369.5. Three cm gouge zone developed alongside a 5 mm quartz pyrite veinlet, alpha from cleavage is 27°.
370.1	371.3	Fault zone - broken core 0.4 m, gouge 0.6 m, shear 0.2 m. Immediately below fault

211-9437

Drill Hole Record

Cominco

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 7

Analysis

		BCAD is 65,43 0 @ 371.4. Basal contact of fault is sharp at 78° and alpha from cleavage is 320.
371.3	374.1	Wacke, carbonaceous, very dark grey, general sheared appearance, some good laminations as noted in preceding and BCAD 30,22, 13 @ 373.5. Increasingly sheared toward 374.1. Several pyritic quartz veinlets are overprinted by shearing and by late (few) monomineralic quartz veinlets.
374.1	375.3	Wacke, unusually hard below 386.3, carbonaceous, black, thinly laminated to massive but faintly, and probably totally, thinly laminated. A few small gouge and shear zones, polished bedding and fracture surfaces, and intervals of broken core all indicative of minor faulting. Conductivities to 400 ohms on polished surfaces and 3000 ohms between ends of a 50 cm length of core. Quartz veinlets with 30 to 50% coarse pyrite many of which are parallel to bedding are common; quartz shear veins to 3 cm wide have no significant sulphide. Bedding is particularly faint above 387 but is apparent in at least 4 places, much of the rock above 387 has a mylonitic look and contains augen of pyrite rimmed by quartz with rare partial halos of pyrrhotite, cleavage has a slightly smaller bedding to core angle suggesting structure is still that of an overt med fold limb. BCAD: 62, 56, near (± 20) 0 @ 377.1; 70, 65, near (± 20) 0° @ 380.2; 64,64, 0 @ 383.4; 56 @ 392.4. Cleavage noted consists of fine wavy carbonaceous wisps (stylolitic) and relation to bedding difficult to resolve with a lens. Qtz vein 3 cm wide with foliae @ 65° @ 394.4.
396.3	399.7	Fault zone, carbonaceous mylonite and 50% vein quartz. Broken throughout, polished slickenside surfaces throughout. Top contact 3 cm quartz with carbonaceous folia and gouge at 60° to core; basal contact similar quartz with about 1 cm gouge at base @ 75° to core. Sample 4769 at 397.2 of 15 cm solid 70% quartz, 20% dolomite, 10% carbonaceous material.
399.7	412.2	Wacke (subwacke) carbonaceous, black, thinly laminated, generally quite uniform,

Scale

Colour Plot & Dips

Drill Hole Record

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 8

Analysis

much of this interval is unusually hard as well; noted some paler segments are weakly calcareous; quartz-pyrite veinlets are common, typically folded to segmented; carbonate (± calcite ± dolomite) veinlets are also common however all are compacted approximately 90° to core axis. BCAD 80° @ 401.1; 60° @ 405.8; 45,50, 142 (S_2?) @ 407.0 (cleavage is probably same as in kink bands noted higher in hole); on high power appears to be pyrite grains in place - 4 cm length for assay - Sample 4770 @ 407.0.

412.2 433.5 Wacke, carbonaceous, black, thinly laminated; numerous changes in bedding, several small folds noted, several short lengths of crushed and broken core (small faults); bedding surfaces throughout and polished with slickensides, as well as several fractures. Quartz veins present, two largest are sampled have only traces of pyrite. BCAD 35, 0-40 (refracted), 173 @ 412.5; 25-50 @ 414.6; 56 @ 418; 70 @ 420; 85 @ 423.2; isoclinal (±) fold axis 426.9; 83° @ 429.0; isoclined fold axes (others may exist in broken zones) 429.6, 429.7, 429.75, 430.0; 82° @ 431.1; 49° @ 431.6; 0° @ 431.7 - 432.1; 50° @ 432.3; 0° @ 432.4; 90° @ 432.6; 0° @ 432.7; 46° @ 432.9, 46 @ 433.0. Quartz veins sampled 4771; 415.5 - 416.0; White quartz 70%, grey dolomite 20% grey to black carbonaceous material 10% , 4772: 426.2 - 426.8; white quartz 85%, dolomite 5%, carbonaceous material 10%. Not sampled 430.85 - 431.0 has about 30% carbonaceous foliae.

433.5 441.8 Wacke, carbonaceous, black, thinly laminated, quite hard as in some previous intervals; abundant planar hairline quartz veinlets probably in cleavage; a few small quartz pyrite veins (less than 3 cm wide). Laminations uniform except for 15 cm at 439.7 where several tight folds have axial planes perpendicular to core axis, bedding unclear below this. BCAD 78, 64, 0 @ 438.0.

441.8 489.0 Highly sheared wacke and carbonaceous mylonite, black, with about 50% quartz-carbonate (dolomite, siderite and/or calcite) veining and alteration. Fold hinges evident and inferred at several locations throughout this interval. Sampling: 4773 - four 10-15 cm quartz veins with carbonaceous wisps and breccia

211-0437

Drill Hole Record

Comaco

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. | Sheet 9

Analysis

with minor dolomite and pyrite between 444.0 and 446.3 amalgamated into a single sample. 4774: 453.8 - 454.6, quartz 25% carbonaceous schist, with one patch (5 cm) of coarse dolomite with a 2 cm patch) coarse pyrite. 4775: 455.7 - 456.5: alteration breccia zone of wall rock ± bleached, siderite and lesser quartz, less than 5% pyrite is concentrated over 20 cm. 4776: 456.5 - 457.5 dolomite, siderite with minor quartz and brecciated wall rock, less than 5% pyrite is concentrated at start (20 cm) and end (10 cm). 4777: 463.8 - 465.2, folded wacke, subwacke 40% vein quartz, trace of dolomite and pyrite. 4778: 465.5 - 466.6 white quartz, wall rock fragments and wisps, scattered minor coarse dolomite. 4779: 466.6 - 467.45 (continuation). BCAD 0, 26, -, 472-474; 30, 5, 21 @ 475.6; bedding in moderate size folds parallels core for 20 cm at 478.6 and 479.3; 50, 26, 20, @ 480.2; From 483.4 to 489.0 highly cleaved to sheared carbonaceous wacke, silicified and quartz veined; only minor pyrite noted; slickensides abundant, small gouge zones present.

489.0	504.0	Subwacke and siliceous chert, only trace carbonate content (very little bubbling with HCl), thin chlorite partings; white to creamy olive, final 3m is grey; very thin bedded and laminated; bed contacts sharp, flat to wavy. Bedding fairly uniform: 70° @ 490.8, 78° @ 498.8, 71° @ 503.8. Bedding plane slip is common, both thin gouge seams and slickensides are common, several small fracture crush zones at 45° to core. This is Aldridge Fm Unit A1b.
504.0	597.6	Subwacke, grey, light (but a contrast with preceding interval) to 528.6, then medium grey to 571.3, then bleached olive green to 582.3.; faintly but uniformly thinly laminated throughout. Minor broken core and faulting 567.7 to 571.3 with several quartz carbonate veinlets that contain a hard salmon pink mineral. Bleached from 571.3 to 582.3 with only minor quartz veining and traces of the pink mineral. From 587.2 -589.9 core is fissile, crushed @ 589.6, 10 cm quartz vein at 589.8-589.9 . Laminations are much less distinct in bleached intervals. BCAD 71° @ 509, 69 @ 516.2; 68 @ 539.3; 67, 22, 348 @ 548.8 (fracture set); 70 @ 554.0; 72 @ 561.6; 63 @ 574; Oriented core at: 531.7, laminations dip 62° toward

211-9437

Basis

Collar Plot & Dips

Drill Hole Record

Cominco

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet /0
Analysis						

060; 585.7 laminations dip 65° toward 088°. Several small incohesive fault zones @ 505.6 (15 cm); 508.8 (20 cm); 517.2 (15 cm). Major fault zone 518.3 - 524.6 incohesive (some moderately cemented but definite fine angular breccia), some in which larger un-crushed fragments are shattered. Rocks above 528.6, and especially in fault zones, are bleached to a light olive grey.
This is the upper part ofAldridge Fm. Unit A1a.

597.6 628.5 Argillite and subwacke, greenish grey, laminations are spaced from 1 mm to 20 cm apart, some are distinct, some vague. About 3 intervals 20 cm long have contorted laminae, probably due to resedimentation rather than tectonic processes. Colour lighter in the bottom 4m. Bedding 75° @ 601.2; 76° @ 606.9, 74 @ 614.3, oriented core at 625.6 shows bedding dips 65° towards 076. This is the base of Aldridge Fm. Unit A1a.

628.5 708.2 Fort Steele Fm.
Quartz wacke, some quartz arenite, subwacke and argillite; respectively pale grey slightly greenish, white, olive green or dark grey; very thick bedded to medium and rarely, thin bedded, internally laminated to massive, cross-bedding at angles up to 30°; coarse to fine sand grain size with siltite to clay grading in tops; bed contacts sharp to distinct, flat to wavy. Clay present in matrix of some of the coarsest grained sands, grains are well rounded. Several small wedges of sand that penetrate underlying argillite layers are indicative of mud cracks and, therefore emergent conditions during redimentation. Bedding 85 @ 641.4; oriented core at 658.2, strata dip 56 toward 086 (bedding to core 85); 80 @ 674.1; internal lams 75° @ 701.8. The various lithologic groups are in 1 to 5 m long interval from 628.5 to 674.1. Below 674.1 rock type is predominantly quartz arenite and lesser quartz wacke. A three cm gouge (crushed olive green argillite top?) is parallel to bedding of 80° at 674.1.

674.1 Slickensides are developed on the rare argillaceous parting and there are several shattered to broken intervals of incohesive fault rock.

END

211-9437

ESTELLA-MD

JOB V 91-0331.R
REPORT DATE 30 SEP 1991

LAB NO	FIELD NUMBER	Au(1) G/T	Au(1) OZ/T	Hg PPB
R9106552	4751 20.9-21.0	<0.069	<0.002	27
R9106553	4752 35.5-35.6	<0.069	<0.002	18
R9106554	4753 39.2-39.3	<0.069	<0.002	15
R9106555	4754 46.6-46.7	<0.069	<0.002	10
R9106556	4755 56.4-56.5	<0.069	<0.002	<10
R9106557	4756 66.2-66.3	<0.069	<0.002	<10
R9106558	4757 76.4-76.5	0.069	0.002	<10
R9106559	4758 121.3-121.4	<0.069	<0.002	18
R9106560	4759 124.5-124.6	<0.069	<0.002	18
R9106561	4760 130.2-130.3	<0.069	<0.002	22
R9106562	4761 189.3-189.45	<0.069	<0.002	<10
R9106563	4762	<0.069	<0.002	<10
R9106564	4763 271.0-278.4	<0.069	<0.002	13
R9106565	4764 278.3-278.4	<0.069	<0.002	<10

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN ,RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au(1) FIRE ASSAY, LEAD COLLECTION / GRAVIMETRIC FINISH
Au(1) FIRE ASSAY, LEAD COLLECTION / AA FINISH (LOW LEVEL) 1/2 A.T.
Hg FLAMELESS AAS

ESTELLA-LAD

Job V 91-0331R
Report date 30 SEP 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cb PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
R9106552 4751	20.9-21.0	7	692	30	1.1	16	21	<1	26	17	2.85	5	38	<5	<4	11	71	2.37	<.01	1.08	.11	.03	.24
R9106553 4752	35.5-35.6	6	1414	64	.5	21	<5	<1	66	340	6.89	<2	1063	<5	<4	175	1384	4.06	.01	3.24	6.68	<.01	.01
R9106554 4753	39.2-39.3	6	318	17	<.4	6	5	<1	8	35	1.21	<2	111	<5	<4	16	119	1.82	<.01	.48	1.28	.09	.02
R9106555 4754	46.6-46.7	3	286	15	<.4	32	<5	<1	26	39	5.23	<2	49	<5	<4	18	45	2.01	<.01	.75	.25	.07	.03
R9106556 4755	56.4-56.5	3	155	3	<.4	5	8	<1	4	13	.92	<2	168	<5	<4	<2	25	.28	<.01	.05	.14	.02	<.01
R9106557 4756	66.2-66.3	7	119	29	<.4	10	<5	<1	16	28	3.07	2	50	<5	<4	30	86	2.50	<.01	.76	.70	.05	.04
R9106558 4757	76.4-76.5	1	20	15	<.4	<2	13	<1	6	7	1.14	<2	41	<5	<4	3	14	1.84	<.01	.73	.15	<.01	.33
R9106559 4758	121.3-121.4	7	343	47	.5	12	15	<1	10	20	3.04	<2	34	<5	<4	4	92	3.28	<.01	.56	.48	.01	.28
R9106560 4759	124.5-124.6	3	20	B2	.7	13	18	<1	20	70	3.92	<2	176	<5	<4	63	565	3.78	<.01	2.07	5.20	.02	.06
R9106561 4760	130.2-130.3	<1	27	23	<.4	B	15	<1	3	9	1.72	<2	75	<5	<4	3	759	3.16	<.01	.34	4.96	.01	.14
R9106562 4761	189.3-189.45	<1	45	22	<.4	B	23	<1	9	11	2.09	<2	51	<5	<4	2	999	3.49	<.01	.42	6.05	.01	.26
R9106563 4762		38	14	28	<.4	6	33	<1	4	12	1.88	<2	22	<5	<4	4	551	3.21	<.01	.87	3.43	.01	.39
R9106564 4763	271.0-278.4	7	23	62	<.4	4	28	<1	6	13	2.43	<2	19	<5	<4	5	521	3.35	<.01	1.32	2.82	<.01	.36
R9106565 4764	278.3-278.4	23	22	53	<.4	3	25	<1	9	22	2.62	<2	28	<5	<4	7	396	3.35	<.01	1.47	2.00	.01	.29

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA-WID

JOB: 91-0403R
E91-4 REPORT DATE 2 OCT 1991

LAB NO	FIELD NUMBER DEPTH (M)	Au(1) G/T	Au(1) OZ/T	Hg PPB
R9108320	4769 397.2-397.35	<0.069	<0.002	29
R9108321	4770 407.0-407.1	<0.069	<0.002	<10
R9108322	4771 415.5-416.0	<0.069	<0.002	<10
R9108323	4772 426.2-426.8	<0.069	<0.002	<10
R9108324	4773 444.0-446.5	<0.069	<0.002	<10
R9108325	4774 453.8-454.6	<0.069	<0.002	<10
R9108326	4775 455.7-456.5	<0.069	<0.002	<10
R9108327	4776 456.5.457.5	<0.069	<0.002	<10
R9108328	4777 463.8-465.2	<0.069	<0.002	<10
R9108329	4778 465.6-466.6	<0.069	<0.002	<10
R9108330	4779 466.6-467.45	0.069	0.002	<10

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au(1) FIRE ASSAY, LEAD COLLECTION / GRAVIMETRIC FINISH
Au(1) FIRE ASSAY, LEAD COLLECTION / AA FINISH (LOW LEVEL) 1/2 A.T.
Hg FLAMELESS AAS

ESTELLA-WD

E91-4

Job V 91-0401R
Report date 2 OCT 1991

LAB NO	FIELD NUMBER DEPTH (M)	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
R9108320 4769	397.2-397.35	1	212	24	<.4	33	16	<1	1	11	1.24	<2	62	<5	<4	8	534	3.18	<.01	.22	4.65	.01	.12
R9108321 4770	407.0-407.1	5	25	83	.5	37	24	<1	5	19	.86	10	26	<5	<4	4	247	2.60	<.01	.21	2.70	.03	.20
R9108322 4771	415.5-416.0	28	1060	175	.6	23	15	2	4	12	1.54	226	42	<5	<4	5	789	3.45	<.01	.07	5.97	.01	.09
R9108323 4772	426.2-426.8	453	405	31	.9	13	10	<1	8	9	1.56	<2	64	<5	<4	2	582	2.71	<.01	.06	3.56	.03	.08
R9108324 4773	444.0-446.5	116	248	26	1.5	18	12	<1	8	24	2.11	5	84	<5	<4	2	373	2.08	<.01	.12	1.94	.03	.11
R9108325 4774	453.8-454.6	171	29	24	.6	26	15	<1	19	43	2.38	11	66	<5	<4	6	634	2.48	<.01	.16	2.68	.03	.19
R9108326 4775	455.7-456.5	257	15	47	.7	25	8	<1	31	44	4.46	8	29	<5	<4	6	770	3.37	<.01	.20	2.91	<.01	.17
R9108327 4776	456.5-457.5	120	21	59	.6	24	10	<1	24	46	4.67	8	27	<5	<4	7	676	3.46	<.01	.16	3.76	<.01	.21
R9108328 4777	463.8-465.2	15	90	17	.9	5	8	<1	5	15	2.06	<2	33	<5	<4	2	1081	3.56	<.01	.05	7.23	.02	.11
R9108329 4778	465.6-466.6	7	73	54	<.4	12	7	<1	2	7	1.38	2	54	<5	<4	2	755	3.17	<.01	.06	5.21	.03	.10
R9108330 4779	466.6-467.45	16	74	12	<.4	7	8	<1	2	10	1.32	7	58	<5	<4	2	635	2.91	<.01	.06	3.87	.03	.12

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
*F REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA-WD

JOB V 91-0331R
REPORT DATE 29 AUG 1991

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba %	LOI %	TOTAL %
R9106553 4752	35.6-35.6	22.69	5.63	9.46	14.20		0.21	15.76	11.26	0.01	0.06	0.50	0.01	18.37	98.16
R9106560 4759	124.5-124.6	46.37	1.45	11.71	8.45		0.08	8.42	7.58	2.98	0.32	0.46	0.01	11.87	99.70
R9106564 4763	271.0-271.1	61.22	0.54	11.95	5.01		0.08	5.42	3.77	0.05	3.24	0.14	0.05	8.37	99.84

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
FeO DETERMINED BY ACID DIGESTION /VOLUMETRIC.LOI DETERMINED GRAVIMETRICALLY
OTHER ELEMENTS BY Li BORATE FUSION/XRF .WHERE NO FeO VALUE SHOWN 'Fe2O3' IS TOTAL Fe AS Fe2O3

ESTELLA-WD

Job V 91-0373R
Report date 16 AUG 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
R9107695	4765 329.0-329.1	47	<4	19	<.4	20	19	1	12	23	1.29	<2	10	<5	<4	2	712	2.73	<.01	.42	E19.94	<.01	.19
R9107696	4767 340.3-340.4	51	<4	27	<.4	12	22	<1	8	25	1.87	<2	18	<5	<4	6	648	2.61	<.01	1.05	E13.86	<.01	.23
R9107697	4768 355.2-355.3	32	<4	26	<.4	15	21	<1	8	21	1.53	<2	11	<5	<4	4	777	2.76	<.01	.79	E16.51	<.01	.19

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN ,RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA-WD

JOB V 91-0373R
REPORT DATE 16 AUG 1991

LAB NO	FIELD NUMBER	SiO2 %	TiO2 %	Al2O3 %	Fe2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	Ba %	LOI %	TOTAL %
R9107695	4765 329.0-329.1	26.76	0.23	5.35	2.46		0.14	3.34	24.51	0.26	1.30	0.11	0.01	34.73	99.20
R9107696	4767 340.3-340.4	42.39	0.43	9.31	4.16		0.12	3.92	18.54	0.66	1.71	0.17	0.03	17.04	98.48

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN ,RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

FeO DETERMINED BY ACID DIGESTION /VOLUMETRIC.LOI DETERMINED GRAVIMETRICALLY

OTHER ELEMENTS BY LI BORATE FUSION/XRF .WHERE NO FeO VALUE SHOWN 'Fe2O3' IS TOTAL Fe AS Fe2O3

APPENDIX C

SOIL SAMPLING ANALYSES

ESTELLA-WD

LARGE SOILS

Job V 91-03425
Report date 17 OCT 1991

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9118789	3300N/1050E	8	50	20
S9118790	3300N/1100E	8	50	15
S9118791	3300N/1150E	10	50	43
S9118792	3300N/1200E	9	50	37
S9118793	3300N/1250E	19	50	15
S9118794	3300N/1300E	23	50	25
S9118795	3300N/1350E	11	50	28
S9118796	3300N/1400E	11	50	33
S9118797	3300N/1450E	13	50	<10
S9118798	3300N/1500E	5	50	10
S9118799	3300N/1550E	4	50	19
S9118800	3300N/1600E	8	50	<10
S9118801	3300N/1650E	6	50	19
S9118802	3300N/1700E	15	50	<10
S9118803	3300N/1750E	4	50	19
S9118804	3300N/1800E	<2	50	<10
S9118805	3300N/1850E	<2	50	<10
S9118806	3300N/1900E	14	50	<10
S9118807	3300N/1950E	9	50	19
S9118808	3300N/2000E	4	50	10
S9118809	3300N/2050E	6	50	12
S9118810	3300N/2100E	7	50	17
S9118811	3300N/2150E	4	50	19
S9118812	3300N/2200E	6	50	13
S9118813	3300N/2250E	2	50	<10
S9118814	3300N/2300E	5	50	<10
S9118815	3300N/2350E	5	50	<10
S9118816	3300N/2400E	3	50	19
S9118817	3300N/2450E	13	50	17
S9118818	3300N/2500E	7	50	18
S9118819	3300N/2550E	2	50	<10
S9118820	3300N/2600E	7	50	<10
S9118821	3300N/2650E	<2	50	10
S9118822	3300N/2700E	7	50	<10
S9118823	3300N/2750E	7	50	12
S9118824	3300N/2800E	7	50	10
S9118825	3300N/2850E	7	50	13
S9118826	3300N/2900E	10	50	15
S9118827	3050N/1550E	14	50	<10
S9118828	3050N/1575E	28	50	<10
S9118829	3050N/1600E	25	50	16
S9118830	3050N/1625E	12	50	<10
S9118831	3050N/1650E	13	50	<10
S9118832	3050N/1675E	13	50	18
S9118833	3050N/1700E	26	50	10
S9118834	3050N/1725E	28	50	<10
S9118835	3050N/1750E	13	50	13
S9118836	3050N/1800E	16	50	10
S9118837	3050N/1850E	11	50	<10
S9118838	3050N/1900E	12	50	<10
S9118839	3050N/1950E	15	50	160

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9118840	3050N/2000E	11	50	219
S9118841	3050N/2050E	25	50	83
S9118842	3050N/2100E	19	50	75
S9118843	3050N/2200E	75	50	16
S9118844	3050N/2250E	33	50	14
S9118845	3050N/2300E	14	50	<10
S9118846	3050N/2400E	5	50	18
S9118847	3050N/1525E	9	50	20
S9118848	3050N/2350E	19	50	10
S9118849	3050N/2450E	12	50	<10
S9118850	3050N/2500E	12	50	<10
S9118851	3050N/2550E	17	50	20
S9118852	3050N/2600E	<2	50	10
S9118853	3050N/2650E	6	50	14
S9118854	3050N/2700E	<2	50	30
S9118855	3050N/2750E	10	50	<10
S9118856	3050N/2800E	7	50	<10
S9118857	2800N/1475E	13	50	10
S9118858	2800N/1500E	28	50	10
S9118859	2800N/1525E	I	I	23
S9118860	2800N/1550E	I	I	14
S9118861	2800N/1575E	22	50	18
S9118862	2800N/1600E	<2	50	<10
S9118863	2800N/1625E	12	50	16
S9118864	2800N/1650E	6	50	25
S9118865	2800N/1675E	12	50	14
S9118866	2800N/1700E	10	50	20
S9118867	2800N/1725E	7	50	34
S9118868	2800N/1775E	10	50	20
S9118869	2800N/1800E	10	50	30
S9118870	2800N/1850E	7	50	<10
S9118871	2800N/1900E	<2	50	25
S9118872	2800N/1950E	18	50	10
S9118873	2800N/2000E	10	50	18
S9118874	2800N/2050E	3	50	<10
S9118875	2800N/2100E	7	50	<10
S9118876	2800N/2150E	<2	50	<10
S9118877	2800N/2200E	9	50	<10
S9118878	2800N/2250E	20	50	<10
S9118879	2800N/2300E	I	I	<10
S9118880	2800N/2350E	16	50	<10
S9118881	2800N/2400E	20	50	14
S9118882	2800N/2450E	I	I	<10
S9118883	2800N/2500E	I	I	<10
S9118884	2800N/2550E	<2	50	<10
S9118885	2800N/2600E	16	50	<10
S9118886	2800N/2650E	16	50	<10
S9118887	2800N/2700E	11	50	12
S9118888	2800N/2750E	9	50	18

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
Hg FLAMELESS AAS

ESTELLA-WE

LARGE SOILS

Job V 91-0342S
Report date 8 OCT 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9118789	3300N/1050E	17	88	52	.6	9	42	<1	9	14	2.02	<2	6	<5	<4	13	258	.54	.03	1.79	.12	.01	.06
S9118790	3300N/1100E	5	33	68	<.4	14	49	<1	5	8	1.28	<2	<4	<5	<4	8	291	.42	.08	2.79	.67	.03	.10
S9118791	3300N/1150E	51	211	64	<.4	9	56	<1	11	26	2.75	<2	5	<5	<4	5	270	.37	<.01	.89	.27	.01	.11
S9118792	3300N/1200E	12	350	85	<.4	6	70	<1	10	15	2.31	<2	<4	<5	<4	8	383	.46	.01	.99	.45	.01	.13
S9118793	3300N/1250E	7	44	36	<.4	6	58	<1	6	12	1.55	<2	<4	<5	<4	7	209	.46	<.01	.84	.13	<.01	.08
S9118794	3300N/1300E	5	110	55	<.4	5	63	<1	6	12	1.54	<2	4	<5	<4	11	147	.51	.01	.92	.06	.01	.07
S9118795	3300N/1350E	10	41	40	<.4	19	95	<1	12	33	1.80	<2	<4	<5	<4	8	413	.43	.04	2.00	.12	.01	.11
S9118796	3300N/1400E	3	25	29	<.4	2	127	<1	5	14	1.48	<2	<4	<5	<4	6	795	.51	.01	1.07	.23	.01	.12
S9118797	3300N/1450E	7	18	23	<.4	5	68	<1	5	16	1.22	<2	4	<5	<4	7	120	.61	.01	.98	.08	<.01	.08
S9118798	3300N/1500E	5	14	30	<.4	4	118	<1	5	15	1.33	<2	4	<5	<4	11	441	.40	.06	2.68	.22	.02	.10
S9118799	3300N/1550E	6	9	55	<.4	8	98	<1	6	21	1.29	<2	4	<5	<4	8	271	.45	.04	1.96	.16	.01	.12
S9118800	3300N/1600E	7	13	39	<.4	6	79	<1	6	18	1.11	<2	4	<5	<4	6	243	.49	.03	1.31	.20	.01	.12
S9118801	3300N/1650E	4	39	54	<.4	8	79	<1	4	13	.92	<2	<4	<5	<4	6	285	.38	.07	2.34	.30	.03	.12
S9118802	3300N/1700E	8	29	51	<.4	2	109	<1	8	18	1.12	<2	4	<5	<4	6	1176	.56	.02	1.16	.27	.01	.13
S9118803	3300N/1750E	5	12	46	<.4	7	97	<1	4	13	.98	<2	<4	<5	<4	6	662	.38	.05	1.96	.49	.02	.17
S9118804	3300N/1800E	5	10	67	<.4	8	104	<1	5	14	.93	<2	<4	<5	<4	5	734	.45	.06	2.00	.46	.02	.18
S9118805	3300N/1850E	4	12	42	<.4	8	89	<1	4	15	.92	<2	4	<5	<4	6	301	.43	.04	1.47	.22	.02	.17
S9118806	3300N/1900E	6	21	22	<.4	<2	120	<1	6	10	1.25	<2	4	<5	<4	6	335	.65	.01	1.13	.17	.01	.15
S9118807	3300N/1950E	7	17	30	<.4	2	96	<1	5	10	1.31	<2	4	<5	<4	5	193	.61	.01	1.35	.24	.01	.20
S9118808	3300N/2000E	3	18	41	<.4	5	106	<1	6	12	1.15	<2	5	<5	<4	8	453	.68	.01	1.36	.43	.01	.22
S9118809	3300N/2050E	4	12	28	<.4	4	73	<1	4	9	.97	<2	4	<5	<4	7	129	.60	.01	1.02	.12	.01	.12
S9118810	3300N/2100E	6	20	26	<.4	3	100	<1	6	9	1.23	<2	7	<5	<4	8	304	.81	<.01	.97	.25	.01	.13
S9118811	3300N/2150E	5	11	38	<.4	13	199	<1	14	12	2.14	<2	8	<5	<4	10	815	1.16	.01	1.76	.69	.01	.34
S9118812	3300N/2200E	5	8	23	<.4	7	162	<1	5	10	1.14	<2	4	<5	<4	7	220	.64	.02	1.77	.28	.02	.12
S9118813	3300N/2250E	3	12	20	<.4	<2	83	<1	4	9	1.22	<2	5	<5	<4	8	114	.74	.01	1.17	.15	.01	.14
S9118814	3300N/2300E	3	5	23	<.4	6	84	<1	4	7	.93	<2	4	<5	<4	4	145	.50	.02	1.41	.19	.02	.13
S9118815	3300N/2350E	7	<4	23	<.4	11	48	<1	4	8	.99	<2	4	<5	<4	5	124	.42	.02	1.35	.22	.02	.14
S9118816	3300N/2400E	6	17	94	<.4	2	132	<1	7	7	1.47	<2	6	<5	<4	7	1237	.58	<.01	.88	.08	<.01	.11
S9118817	3300N/2450E	11	29	87	<.4	8	70	<1	8	11	1.64	<2	7	<5	<4	9	360	.89	<.01	.80	.10	<.01	.15
S9118818	3300N/2500E	8	16	43	.5	2	128	<1	6	12	1.18	<2	5	<5	<4	7	681	.58	.01	1.10	.12	.01	.12
S9118819	3300N/2550E	9	13	35	<.4	5	91	<1	8	18	1.36	<2	5	<5	<4	8	159	.66	.02	1.62	.16	.01	.20
S9118820	3300N/2600E	10	29	43	<.4	2	70	<1	8	14	1.58	<2	6	<5	<4	7	128	.79	<.01	.90	.15	.01	.14
S9118821	3300N/2650E	6	12	38	<.4	3	186	<1	5	14	1.14	<2	<4	<5	<4	7	203	.46	.04	2.13	.12	.02	.18

LAB NO.	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9118822	3300N/2700E	6	12	35	<.4	3	87	<1	7	14	1.27	<2	6	<5	<4	7	167	.73	<.01	1.05	.14	.01	.15
S9118823	3300N/2750E	4	13	46	<.4	7	190	<1	6	20	1.10	<2	4	<5	<4	8	356	.55	.02	1.47	.07	.01	.12
S9118824	3300N/2800E	5	14	43	<.4	4	161	<1	7	20	1.52	<2	5	<5	<4	10	208	.78	.01	1.42	.14	.01	.15
S9118825	3300N/2850E	4	16	49	<.4	8	201	<1	8	26	1.30	<2	4	<5	<4	9	231	.56	.02	1.47	.07	.01	.13
S9118826	3300N/2900E	6	17	61	<.4	6	163	<1	8	26	1.39	<2	5	<5	<4	10	395	.58	.02	1.61	.05	.01	.15
S9118827	3050N/1550E	10	36	61	<.4	8	83	<1	12	26	1.95	<2	4	<5	<4	10	729	.46	.03	1.50	.12	.01	.13
S9118828	3050N/1575E	14	27	54	<.4	8	58	<1	12	25	2.56	<2	6	<5	<4	9	127	.53	.02	1.29	.07	.01	.11
S9118829	3050N/1600E	19	47	79	<.4	8	40	<1	10	21	2.46	<2	6	<5	<4	9	278	.63	<.01	.96	.22	<.01	.14
S9118830	3050N/1625E	18	57	64	<.4	9	65	<1	13	22	2.62	<2	7	<5	<4	9	402	.61	.01	1.24	.30	.01	.10
S9118831	3050N/1650E	17	55	61	.5	11	103	<1	11	35	2.24	<2	5	<5	<4	11	316	.59	.04	2.32	.29	.02	.14
S9118832	3050N/1675E	41	42	45	<.4	8	158	<1	23	33	3.55	<2	6	<5	<4	9	825	.79	<.01	1.18	.20	.01	.12
S9118833	3050N/1700E	23	31	45	<.4	16	194	<1	14	17	3.86	<2	8	<5	<4	14	367	.98	<.01	1.53	.33	.02	.27
S9118834	3050N/1725E	17	22	39	<.4	9	134	<1	11	17	3.11	<2	7	<5	<4	13	172	.84	.01	1.30	.20	.02	.16
S9118835	3050N/1750E	28	43	85	<.4	9	149	<1	18	34	3.76	<2	8	<5	<4	11	507	.71	.01	1.54	.22	.01	.20
S9118836	3050N/1800E	23	33	57	<.4	10	97	<1	8	17	2.17	<2	4	<5	<4	7	244	.67	<.01	1.05	.24	.01	.28
S9118837	3050N/1850E	10	20	47	<.4	3	120	<1	7	18	1.79	<2	4	<5	<4	9	136	.52	.02	1.34	.11	.01	.10
S9118838	3050N/1900E	6	20	27	<.4	5	95	<1	6	16	1.43	<2	5	<5	<4	8	156	.70	.02	1.25	.14	.01	.18
S9118839	3050N/1950E	6	15	27	.5	5	80	<1	7	13	1.59	<2	5	<5	<4	11	160	.98	.01	1.29	.14	.01	.13
S9118840	3050N/2000E	6	9	49	<.4	8	125	<1	7	23	1.28	<2	4	<5	<4	7	223	.59	.03	1.67	.13	.02	.20
S9118841	3050N/2050E	22	31	34	<.4	6	42	<1	10	17	2.47	<2	7	<5	<4	9	231	1.13	<.01	.94	.30	.01	.19
S9118842	3050N/2100E	35	51	52	<.4	12	36	<1	14	21	2.87	<2	7	<5	<4	7	362	1.01	<.01	.75	.22	<.01	.11
S9118843	3050N/2200E	18	42	123	<.4	12	131	<1	13	22	2.32	<2	6	<5	<4	10	934	.57	.02	1.60	.23	.01	.16
S9118844	3050N/2250E	49	77	116	<.4	7	82	<1	18	29	3.87	<2	6	<5	<4	7	908	.86	<.01	.82	.50	<.01	.13
S9118845	3050N/2300E	24	56	121	.9	5	137	<1	18	29	3.84	<2	7	<5	<4	10	868	.77	<.01	1.21	.15	.01	.17
S9118846	3050N/2400E	18	7	18	<.4	5	21	<1	17	15	2.44	<2	7	<5	<4	3	358	1.30	<.01	.79	.15	<.01	.07
S9118847	3050N/1525E	9	22	53	.6	7	69	<1	8	22	1.63	<2	4	<5	<4	12	182	.50	.06	1.95	.13	.02	.09
S9118848	3050N/2350E	21	50	111	<.4	9	85	<1	13	16	2.90	2	6	<5	<4	9	724	.74	<.01	.85	.16	.01	.11
S9118849	3050N/2450E	22	10	19	<.4	13	20	<1	13	20	2.38	<2	7	<5	<4	4	412	1.53	<.01	.82	.22	<.01	.08
S9118850	3050N/2500E	27	21	37	<.4	<2	28	<1	12	14	1.99	<2	5	<5	<4	5	319	1.38	<.01	.87	.17	<.01	.09
S9118851	3050N/2550E	19	21	36	<.4	2	27	<1	10	15	2.13	<2	7	<5	<4	3	349	1.36	<.01	.86	.25	<.01	.10
S9118852	3050N/2600E	5	14	33	<.4	6	167	<1	7	12	1.25	<2	5	<5	<4	6	353	.65	<.01	1.39	.10	.01	.16
S9118853	3050N/2650E	7	13	28	.8	6	172	<1	8	16	1.32	<2	4	<5	<4	8	512	.55	.02	1.77	.10	.02	.14
S9118854	3050N/2700E	7	5	24	<.4	7	197	<1	7	21	1.25	<2	5	<5	<4	9	505	.58	.03	1.92	.09	.01	.15
S9118855	3050N/2750E	13	14	25	<.4	9	161	<1	7	15	1.49	<2	5	<5	<4	12	654	.60	.03	1.95	.10	.02	.16
S9118856	3050N/2800E	23	16	26	<.4	6	211	<1	7	16	1.40	<2	7	<5	<4	8	608	.66	.01	1.20	.07	.01	.16
S9118857	2800N/1475E	12	171	249	.6	8	86	1	11	23	2.24	<2	4	<5	<4	10	612	.47	.02	1.32	.11	.01	.14

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
S9118858	2800N/1500E	12	119	144	<.4	12	42	<1	9	24	2.42	2	5	<5	<4	11	200	.47	.02	1.46	.10	.01	.12
S9118859	2800N/1525E	10	93	80	<.4	15	46	<1	6	12	2.28	<2	4	<5	<4	11	117	.33	.07	3.01	.09	.02	.06
S9118860	2800N/1550E	11	100	153	<.4	10	46	<1	6	12	2.36	<2	4	<5	<4	8	234	.48	<.01	.87	.02	<.01	.09
S9118861	2800N/1575E	20	79	138	<.4	14	45	<1	21	32	3.93	<2	5	<5	<4	11	292	.63	.02	1.51	.15	.01	.11
S9118862	2800N/1600E	8	31	97	<.4	7	65	<1	9	23	1.67	<2	4	<5	<4	11	624	.48	.07	2.68	.25	.02	.10
S9118863	2800N/1625E	7	113	130	<.4	6	74	<1	14	20	1.98	<2	4	<5	<4	12	340	.41	.04	1.79	.11	.01	.10
S9118864	2800N/1650E	6	30	72	<.4	6	55	<1	11	25	2.04	<2	4	<5	<4	13	436	.45	.05	2.14	.07	.02	.09
S9118865	2800N/1675E	6	88	103	.4	16	44	<1	5	11	2.00	<2	<4	<5	<4	10	133	.36	.01	.87	.03	.01	.11
S9118866	2800N/1700E	12	31	47	<.4	6	40	<1	7	15	3.19	2	5	<5	<4	12	86	.42	<.01	.92	.02	.01	.08
S9118867	2800N/1725E	8	32	87	<.4	3	67	<1	7	28	1.75	<2	4	<5	<4	11	330	.42	.07	2.66	.12	.02	.07
S9118868	2800N/1775E	17	38	63	.4	18	102	<1	12	18	2.03	<2	4	<5	<4	10	802	.56	<.01	1.08	.41	<.01	.10
S9118869	2800N/1800E	9	39	60	<.4	<2	91	<1	11	19	2.42	<2	5	<5	<4	11	926	.55	<.01	1.36	.12	<.01	.18
S9118870	2800N/1850E	11	24	41	<.4	8	51	<1	10	17	1.97	<2	5	<5	<4	13	164	.47	.02	1.44	.08	.01	.11
S9118871	2800N/1900E	13	37	43	<.4	8	80	<1	9	26	1.72	<2	5	<5	<4	11	85	.57	.04	1.82	.12	.01	.10
S9118872	2800N/1950E	53	62	70	<.4	10	44	<1	17	26	3.33	<2	7	<5	<4	5	707	.66	<.01	.74	.22	.01	.12
S9118873	2800N/2000E	13	30	43	<.4	9	76	<1	8	15	1.85	<2	4	<5	<4	9	350	.63	.01	1.19	.12	.01	.14
S9118874	2800N/2050E	8	19	57	<.4	8	92	<1	7	21	1.30	<2	<4	<5	<4	8	151	.48	.04	1.98	.44	.02	.19
S9118875	2800N/2100E	11	26	36	<.4	8	105	<1	10	22	2.31	<2	7	<5	<4	9	192	.61	.02	1.50	.27	.01	.20
S9118876	2800N/2150E	6	23	68	<.4	3	139	<1	9	25	1.76	<2	11	<5	<4	12	330	.66	.03	1.94	.17	.02	.24
S9118877	2800N/2200E	8	16	47	<.4	2	98	<1	8	16	1.63	<2	8	<5	<4	11	348	.79	.02	1.33	.12	.01	.15
S9118878	2800N/2250E	9	14	32	<.4	6	123	<1	6	16	1.31	2	6	<5	<4	10	95	.67	.04	1.83	.13	.02	.14
S9118879	2800N/2300E	8	34	92	<.4	9	81	<1	8	16	1.63	<2	6	<5	<4	12	233	.65	.04	1.85	.18	.01	.15
S9118880	2800N/2350E	30	32	41	<.4	<2	20	<1	5	11	1.88	<2	<4	<5	<4	6	95	.46	<.01	.73	.03	<.01	.05
S9118881	2800N/2400E	36	32	60	<.4	15	60	<1	16	33	2.96	<2	12	<5	<4	7	578	1.10	<.01	.98	.31	.01	.22
S9118882	2800N/2450E	13	15	29	<.4	2	75	<1	9	16	1.76	<2	5	<5	<4	7	394	.90	<.01	1.15	.05	<.01	.17
S9118883	2800N/2500E	14	15	27	<.4	5	58	<1	7	13	1.80	<2	5	<5	<4	5	113	.84	<.01	.81	.11	<.01	.13
S9118884	2800N/2550E	10	13	38	<.4	6	121	<1	8	14	1.67	<2	6	<5	<4	7	274	.92	<.01	1.14	.08	<.01	.16
S9118885	2800N/2600E	12	18	53	.5	10	220	<1	10	18	1.55	<2	5	<5	<4	7	934	.75	.01	1.33	.17	.01	.16
S9118886	2800N/2650E	11	25	44	<.4	7	130	<1	9	18	1.58	<2	7	<5	<4	8	164	.76	.01	1.40	.06	.01	.12
S9118887	2800N/2700E	11	31	121	<.4	8	215	<1	9	21	1.67	<2	6	<5	<4	9	788	.59	.01	1.58	.08	.01	.15
S9118888	2800N/2750E	10	38	146	<.4	14	176	<1	9	16	1.42	<2	5	<5	<4	9	691	.57	.04	2.10	.07	.02	.09

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

> REQUESTED ANALYSES ARE NOT SHOWN ;RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

P PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA—ND

SMALL SOILS

JOB U 91-03435
REPORT DATE 3 OCT 1991

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9118889	1600N/1000E	<10	10	57
S9118890	1600N/1050E	<10	10	66
S9118891	1600N/1100E	<10	10	25
S9118892	1600N/1150E	<10	10	16
S9118893	1600N/1200E	20	10	16
S9118894	1600N/1250E	<10	10	25
S9118895	1600N/1300E	<10	10	20
S9118896	1600N/1350E	<10	10	20
S9118897	1600N/1400E	<10	10	37
S9118898	1600N/1450E	<10	10	18
S9118899	1600N/1500E	80	10	25
S9118900	1600N/1550E	<10	10	37
S9118901	1600N/1575E	20	10	32
S9118902	1600N/1600E	<10	10	39
S9118903	1600N/1625E	<10	10	34
S9118904	1600N/1650E	196	10	42
S9118905	1600N/1675E	<10	10	23
S9118906	1600N/1700E	<10	10	<10
S9118907	1600N/1725E	<10	10	<10
S9118908	1600N/1750E	<10	10	<10
S9118909	1600N/1775E	<10	10	<10
S9118910	1600N/1800E	<10	10	37
S9118911	1600N/1825E	<10	10	100
S9118912	1600N/1850E	<10	10	39
S9118913	1600N/1875E	92	10	112
S9118914	1600N/1900E	67	10	18
S9118915	1600N/1925E	15	10	<10
S9118916	1600N/1950E	15	10	72
S9118917	1600N/1975E	<10	10	32
S9118918	1600N/2000E	<10	10	17
S9118919	1600N/2025E	<10	10	25
S9118920	1600N/2050E	<10	10	<10
S9118921	1600N/2075E	<10	10	<10
S9118922	1600N/2100E	<10	10	<10
S9118923	1600N/2125E	<10	10	<10
S9118924	1600N/2150E	<10	10	14
S9118925	1600N/2175E	<10	10	<10
S9118926	1600N/2200E	<10	10	14
S9118927	1600N/2225E	<10	10	35
S9118928	1600N/2250E	<10	10	18
S9118929	1600N/2275E	<10	10	25
S9118930	1600N/2300E	<10	10	<10
S9118931	1600N/2325E	<10	10	14
S9118932	1600N/2350E	<10	10	12
S9118933	1600N/2375E	<10	10	25
S9118934	1600N/2400E	<10	10	14
S9118935	1600N/2425E	<10	10	42
S9118936	1600N/2450E	<10	10	23
S9118937	1600N/2475E	<10	10	50
S9118938	1600N/2500E	<10	10	21
S9118939	1600N/2550E	<10	10	<10

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9118940	1600N/2600E	27	10	<10
S9118941	1600N/2650E	<10	10	14
S9118942	1600N/2700E	<10	10	12
S9118943	1600N/2750E	<10	10	23
S9118944	1600N/2800E	<10	10	<10
S9118945	1600N/2850E	<10	10	<10
S9118946	1300N/1000E	<10	10	<10
S9118947	1300N/1050E	<10	10	<10
S9118948	1300N/1100E	<10	10	<10
S9118949	1300N/1150E	<10	10	<10
S9118950	1300N/1200E	<10	10	<10
S9118951	1300N/1250E	25	10	25
S9118952	1300N/1300E	<10	10	27
S9118953	1300N/1350E	<10	10	16
S9118954	1300N/1400E	<10	10	37
S9118955	1300N/1450E	<10	10	21
S9118956	1300N/1500E	<10	10	42
S9118957	1300N/1550E	<10	10	35
S9118958	1300N/1575E	<10	10	37
S9118959	1300N/1600E	<10	10	14
S9118960	1300N/1625E	<10	10	21
S9118961	1300N/1650E	<10	10	53
S9118962	1300N/1675E	<10	10	40
S9118963	1300N/1700E	<10	10	50
S9118964	1300N/1725E	<10	10	66
S9118965	1300N/1750E	<10	10	32
S9118966	1300N/1775E	<10	10	25
S9118967	1300N/1800E	<10	10	54
S9118968	1300N/1825E	<10	10	81
S9118969	1300N/1850E	<10	10	60
S9118970	1300N/1875E	22	10	107
S9118971	1300N/1900E	19	10	125
S9118972	1300N/1925E	19	10	135
S9118973	1300N/1950E	<10	10	125
S9118974	1300N/1975E	<10	10	40
S9118975	1300N/2000E	<10	10	56
S9118976	1300N/2025E	<10	10	110
S9118977	1300N/2050E	<10	10	63
S9118978	1300N/2075E	<10	10	39
S9118979	1300N/2100E	<10	10	71
S9118980	1300N/2125E	<10	10	30
S9118981	1300N/2150E	<10	10	20
S9118982	1300N/2200E	<10	10	58
S9118983	1300N/2225E	<10	10	10
S9118984	1300N/2250E	<10	10	56
S9118985	1300N/2275E	<10	10	75
S9118986	1300N/2300E	<10	10	71
S9118987	1300N/2325E	<10	10	50
S9118988	1300N/2350E	<10	10	54
S9118989	1300N/2375E	<10	10	60
S9118990	1300N/2400E	<10	10	44
S9118991	1300N/2425E	<10	10	20
S9118992	1300N/2450E	<10	10	10
S9118993	1300N/2475E	<10	10	<10

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9118994	1300N/2500E	<10	10	<10
S9118995	1300N/2525E	<10	10	15
S9118996	1300N/2550E	<10	10	36
S9118997	1300N/2575E	<10	10	52
S9118998	1300N/2600E	<10	10	31
S9118999	1300N/2625E	<10	10	40
S9119000	1300N/2650E	25	10	<10
S9119001	1300N/2700E	<10	10	29
S9119002	1300N/2750E	<10	10	35
S9119003	1300N/2800E	<10	10	41
S9119004	1300N/2850E	<10	10	33
S9119005	1300N/2900E	<10	10	23
S9119006	1000N/1000E	<10	10	18
S9119007	1000N/1050E	<10	10	31
S9119008	1000N/1100E	<10	10	56
S9119009	1000N/1150E	<10	10	50
S9119010	1000N/1200E	<10	10	65
S9119011	1000N/1250E	<10	10	92
S9119012	1000N/1300E	<10	10	40
S9119013	1000N/1350E	<10	10	41
S9119014	1000N/1400E	<10	10	38
S9119015	1000N/1500E	<10	10	32
S9119016	1000N/1525E	<10	10	60
S9119017	1000N/1550E	<10	10	115
S9119018	1000N/1575E	<10	10	32
S9119019	1900N/1050E	<10	10	26
S9119020	1900N/1100E	<10	10	44
S9119021	1900N/1150E	150	10	20
S9119022	1900N/1200E	<10	10	25
S9119023	1900N/1250E	<10	10	73
S9119024	1900N/1300E	<10	10	33
S9119025	1900N/1350E	<10	10	78
S9119026	1900N/1400E	<10	10	48
S9119027	1900N/1450E	<10	10	81
S9119028	1900N/1500E	<10	10	65
S9119029	1900N/1550E	<10	10	50
S9119030	1900N/1600E	<10	10	32
S9119031	1900N/1625E	<10	10	48
S9119032	1900N/1650E	<10	10	16
S9119033	1900N/1675E	<10	10	14
S9119034	1900N/1700E	108	10	26
S9119035	1900N/1725E	15	10	22
S9119036	1900N/1750E	<10	10	37
S9119037	1900N/1775E	<10	10	36
S9119038	1900N/1800E	<10	10	26
S9119039	1900N/1825E	<10	10	26
S9119040	1900N/1850E	180	10	58
S9119041	1900N/1875E	<10	10	33
S9119042	1900N/1900E	<10	10	38
S9119043	1900N/1925E	20	10	48
S9119044	1900N/1950E	<10	10	37
S9119045	1900N/1975E	<10	10	52
S9119046	1900N/2000E	<10	10	44
S9119047	1900N/2050E	<10	10	33

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9119046	1900N/2100E	<10	10	52
S9119049	1900N/2150E	<10	10	60
S9119050	1900N/2200E	<10	10	35
S9119051	1900N/2250E	<10	10	30
S9119052	1900N/2300E	<10	10	32
S9119053	1900N/2350E	<10	10	46
S9119054	1900N/2400E	147	10	27
S9119055	1900N/2450E	<10	10	65
S9119056	1900N/2500E	73	10	30
S9119057	1900N/2550E	<10	10	40
S9119058	1900N/2600E	<10	10	73
S9119059	1900N/2650E	<10	10	46
S9119060	1900N/2700E	<10	10	25
S9119061	1900N/2750E	<10	10	60
S9119062	1900N/2800E	<10	10	50
S9119063	1900N/2850E	<10	10	40
S9119064	1000E/1050N	<10	10	56
S9119065	1000E/1100N	<10	10	50
S9119066	1000E/1150N	20	10	71
S9119067	1000E/1200N	<10	10	30
S9119068	1000E/1250N	<10	10	28
S9119069	1000E/1350N	65	10	18
S9119070	1000E/1400N	<10	10	33
S9119071	1000E/1450N	<10	10	60
S9119072	1000E/1500N	<10	10	58
S9119073	1000E/1550N	55	10	28
S9119074	1000E/1650N	<10	10	40
S9119075	1000E/1700N	<10	10	10
S9119076	1000E/1750N	<10	10	20
S9119077	1000E/1800N	45	10	35
S9119078	1000E/1850N	25	10	29
S9119079	1000E/1900N	<10	10	170
S9119080	1000E/1950N	<10	10	20
S9119081	1000E/2000N	<10	10	33
S9119082	1000E/2050N	<10	10	36
S9119083	1000E/2100N	<10	10	30
S9119084	1000E/2150N	<10	10	<10
S9119085	1000E/2200N	30	10	<10
S9119086	1000E/2250N	30	10	16
S9119087	1000E/2300N	<10	10	<10
S9119088	1000E/2350N	15	10	16
S9119089	1000E/2400N	<10	10	32
S9119090	1000E/2450N	<10	10	258
S9119091	1000E/2500N	<10	10	30
S9119092	1000E/2550N	23	10	37
S9119093	1000E/2600N	<10	10	28
S9119094	1000E/2650N	<10	10	25
S9119095	1000E/2700N	<10	10	33
S9119096	1000E/2750N	<10	10	42
S9119097	1000E/2800N	<10	10	15
S9119098	1000E/2850N	<10	10	48
S9119099	1000E/2900N	<10	10	<10
S9119100	1000E/2950N	<10	10	12
S9119101	1000E/3000N	<10	10	<10

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9119102	1000E/3050N	<10	10	<10
S9119103	1000E/3100N	<10	10	<10
S9119104	1000E/3150N	<10	10	12
S9119105	1000E/3200N	<10	10	15
S9119106	1000E/3250N	<10	10	<10
S9119107	1000E/3300N	35	10	11
S9119108	1000E/3350N	<10	10	<10
S9119109	1000E/3400N	<10	10	<10
S9119110	1000E/3450N	<10	10	15
S9119111	2800N/1050E	<10	10	<10
S9119112	2800N/1100E	36	10	10
S9119113	2800N/1150E	<10	10	<10
S9119114	2800N/1200E	<10	10	25
S9119115	2800N/1250E	<10	10	30
S9119116	2800N/1300E	32	10	18
S9119117	2800N/1350E	25	10	26
S9119118	2800N/1375E	35	10	17
S9119119	2800N/1400E	92	10	20
S9119120	2800N/1425E	60	10	15
S9119121	2800N/1450E	<10	10	16
S9119122	2200N/1100E	<10	10	28
S9119123	2200N/1150E	20	10	23
S9119124	2200N/1200E	20	10	15
S9119125	2200N/1250E	<10	10	25
S9119126	2200N/1300E	<10	10	33
S9119127	2200N/1350E	480	10	25
S9119128	2200N/1400E	35	10	36
S9119129	2200N/1450E	20	10	28
S9119130	2200N/1500E	15	10	29
S9119131	2200N/1525E	15	10	33
S9119132	2200N/1550E	20	10	11
S9119133	2200N/1575E	15	10	28
S9119134	2200N/1600E	35	10	18
S9119135	2200N/1625E	82	10	20
S9119136	2200N/1650E	20	10	15
S9119137	2200N/1675E	<10	10	14
S9119138	2200N/1700E	<10	10	11
S9119139	2200N/1725E	<10	10	<10
S9119140	2200N/1750E	<10	10	13
S9119141	2200N/1775E	<10	10	11
S9119142	2200N/1800E	<10	10	12
S9119143	2200N/1825E	<10	10	13
S9119144	2200N/1950E	<10	10	15
S9119145	2200N/2000E	<10	10	20
S9119146	2200N/2050E	<10	10	15
S9119147	2200N/2100E	<10	10	16
S9119148	2200N/2150E	<10	10	12
S9119149	2200N/2200E	<10	10	20
S9119150	2200N/2250E	<10	10	16
S9119151	2200N/2300E	<10	10	18
S9119152	2200N/2350E	<10	10	36
S9119153	2200N/2400E	<10	10	28
S9119154	2200N/2450E	<10	10	21
S9119155	2200N/2500E	<10	10	22

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9119156	2200N/2550E	<10	10	25
S9119157	2200N/2600E	<10	10	29
S9119158	2200N/2650E	<10	10	16
S9119159	2200N/2750E	<10	10	20
S9119160	2200N/2800E	<10	10	29
S9119161	2500N/1050E	15	10	25
S9119162	2500N/1100E	15	10	17
S9119163	2500N/1150E	70	10	15
S9119164	2500N/1200E	<10	10	25
S9119165	2500N/1250E	<10	10	50
S9119166	2500N/1300E	<10	10	23
S9119167	2500N/1350E	70	10	52
S9119168	2500N/1400E	20	10	23
S9119169	2500N/1450E	20	10	25
S9119170	2500N/1475E	30	10	33
S9119171	2500N/1500E	<10	10	25
S9119172	2500N/1525E	<10	10	20
S9119173	3050N/1050E	<10	10	<10
S9119174	3050N/1100E	<10	10	10
S9119175	3050N/1150E	15	10	<10
S9119176	3050N/1200E	27	10	11
S9119177	3050N/1250E	<10	10	12
S9119178	3050N/1300E	<10	10	11
S9119179	3050N/1325E	<10	10	12
S9119180	3050N/1350E	<10	10	15
S9119181	3050N/1375E	<10	10	<10
S9119182	3050N/1400E	<10	10	<10
S9119183	3050N/1425E	<10	10	10
S9119184	3050N/1450E	<10	10	12
S9119185	3050N/1475E	<10	10	11
S9119186	3050N/1500E	<10	10	12

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
Hg FLAMELESS AAS

ESTELLA-WD

SMALL SOILS

Job V 91-0343S
Report date 2 OCT 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S911B889	1600N/1000E	17	118	198	<.4	3	128	<1	7	17	1.61	<2	4	<5	<4	12	551	.58	.10	3.62	.33	.02	.10
S911B890	1600N/1050E	48	53	193	<.4	13	126	<1	14	22	2.05	2	7	<5	<4	20	220	1.09	.10	3.67	.17	.01	.11
S911B891	1600N/1100E	62	94	108	.4	<2	45	<1	9	17	2.03	2	5	<5	<4	6	534	1.23	<.01	1.13	.25	<.01	.17
S911B892	1600N/1150E	55	75	86	<.4	6	153	<1	17	33	2.59	2	10	<5	<4	16	2036	1.70	.03	1.90	.34	.01	.20
S911B893	1600N/1200E	46	70	178	<.4	13	104	<1	21	26	2.57	<2	12	<5	<4	28	1135	2.32	.07	1.63	.21	.01	.55
S911B894	1600N/1250E	46	64	136	<.4	6	141	<1	19	26	3.16	3	27	<5	<4	105	1013	3.05	.16	2.16	.38	.01	1.58
S911B895	1600N/1300E	38	87	119	<.4	<2	136	<1	23	32	2.11	<2	5	<5	<4	10	870	1.19	.03	1.90	.14	.01	.22
S911B896	1600N/1350E	31	85	80	<.4	4	147	<1	25	28	1.91	<2	6	<5	<4	10	1087	1.24	.07	2.85	.26	.03	.21
S911B897	1600N/1400E	66	20	55	<.4	<2	60	<1	36	48	2.98	<2	9	<5	<4	9	1758	1.99	.02	1.23	.26	.01	.27
S911B898	1600N/1450E	40	162	108	<.4	9	44	<1	10	20	3.90	3	7	<5	<4	20	278	.71	.02	1.05	.04	.01	.11
S911B899	1600N/1500E	31	49	65	<.4	13	44	<1	5	13	3.42	3	9	<5	<4	23	262	1.11	.03	1.11	.03	.01	.13
S911B900	1600N/1550E	38	64	153	<.4	2	47	<1	21	26	3.53	4	9	<5	<4	25	1258	.91	.04	1.53	.04	<.01	.08
S911B901	1600N/1575E	59	144	136	<.4	<2	67	<1	28	43	2.92	5	9	<5	<4	18	797	1.25	.02	1.51	.03	.01	.10
S911B902	1600N/1600E	63	258	188	<.4	10	84	<1	44	47	3.89	11	11	<5	<4	19	2446	1.32	.02	1.70	.09	.01	.14
S911B903	1600N/1625E	67	237	166	<.4	7	55	<1	33	43	4.60	21	15	<5	<4	29	1182	1.76	.04	2.12	.03	.01	.17
S911B904	1600N/1650E	38	144	124	.4	6	38	<1	14	29	2.70	3	12	<5	<4	18	187	1.49	.01	1.78	.03	<.01	.09
S911B905	1600N/1675E	16	93	54	<.4	6	35	<1	4	9	2.62	6	8	<5	<4	26	100	.76	.04	1.51	.02	.01	.07
S911B906	1600N/1700E	19	89	69	.5	57	58	2	4	8	2.66	2	5	<5	<4	15	60	.37	<.01	1.81	.02	.01	.07
S911B907	1600N/1725E	20	65	72	<.4	35	79	<1	12	12	2.93	2	5	<5	<4	56	112	1.70	.04	1.52	.38	.01	.20
S911B908	1600N/1750E	31	95	107	.6	16	23	<1	4	12	3.24	4	8	<5	<4	29	102	.97	.02	1.17	.01	.01	.09
S911B909	1600N/1775E	19	77	89	<.4	83	30	2	7	13	3.15	7	6	<5	<4	22	120	.52	.01	.98	.09	.01	.08
S911B910	1600N/1800E	20	48	65	<.4	66	28	1	3	7	4.43	6	8	<5	<4	30	73	.45	.05	1.93	.02	.01	.06
S911B911	1600N/1825E	97	306	120	2.0	2	78	<1	6	13	6.70	49	7	<5	<4	13	331	.73	<.01	1.53	.05	.05	.25
S911B912	1600N/1850E	90	83	196	<.4	13	50	<1	46	55	4.42	7	11	<5	<4	16	1073	1.74	.03	2.15	.20	.01	.15
S911B913	1600N/1875E	195	257	179	3.2	<2	130	<1	25	39	4.76	3	5	<5	<4	6	371	.80	<.01	1.59	.01	<.01	.05
S911B914	1600N/1900E	162	927	700	3.9	193	129	7	81	60	5.49	12	8	<5	<4	9	1613	1.52	<.01	1.80	.08	.01	.11
S911B915	1600N/1925E	150	506	484	.7	118	63	4	55	70	4.33	6	11	<5	<4	12	1454	1.89	.01	2.19	.13	.01	.12
S911B916	1600N/1950E	135	345	312	3.8	115	62	3	50	83	3.92	4	7	<5	<4	10	891	1.30	.04	2.63	.04	.01	.08
S911B917	1600N/1975E	32	117	104	<.4	66	29	2	8	17	4.08	5	7	<5	<4	20	100	.57	.02	1.17	.04	.01	.07
S911B918	1600N/2000E	41	115	153	<.4	69	37	3	20	27	4.03	3	7	<5	<4	11	231	.69	.01	1.08	.14	<.01	.11
S911B919	1600N/2025E	77	317	177	.9	57	49	1	29	32	4.52	6	6	<5	<4	15	953	1.01	.01	1.22	.07	.01	.09
S911B920	1600N/2050E	41	133	122	<.4	48	43	1	11	17	4.54	10	8	<5	<4	23	368	.73	.01	1.28	.07	.01	.09
S911B921	1600N/2075E	20	51	72	<.4	63	51	2	9	16	3.83	<2	8	<5	<4	18	165	.75	.02	1.69	.05	.01	.09

LAB NO.	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S911B922	1600N/2100E	26	61	119	.4	70	62	2	16	20	4.04	2	14	<5	<4	21	309	1.36	.01	1.60	.03	.01	.12
S911B923	1600N/2125E	15	33	60	<.4	14	36	<1	5	11	2.53	<2	6	<5	<4	15	64	.72	<.01	.97	.06	<.01	.08
S911B924	1600N/2150E	36	85	117	.4	20	35	<1	11	25	3.81	5	14	<5	<4	23	208	1.39	.02	1.63	.07	<.01	.21
S911B925	1600N/2175E	42	65	117	<.4	8	58	<1	19	27	4.08	4	14	<5	<4	22	1438	1.73	.02	1.66	.10	<.01	.18
S911B926	1600N/2200E	11	87	105	<.4	12	37	<1	7	14	2.91	6	14	<5	<4	29	99	1.51	.05	1.48	.09	.01	.08
S911B927	1600N/2225E	17	37	103	<.4	8	77	<1	12	28	3.13	3	8	<5	<4	17	109	.66	.03	2.45	.03	.01	.08
S911B928	1600N/2250E	33	57	93	<.4	9	48	<1	20	41	3.23	3	9	5	<4	20	114	1.08	.04	2.43	.05	.01	.09
S911B929	1600N/2275E	52	39	114	<.4	5	49	<1	23	46	4.08	4	12	<5	<4	15	672	1.84	.01	1.66	.14	<.01	.17
S911B930	1600N/2300E	62	50	159	<.4	3	49	<1	29	67	4.28	2	12	<5	<4	17	351	2.00	.04	2.01	.10	.01	.17
S911B931	1600N/2325E	48	80	163	<.4	4	61	<1	28	46	4.04	3	11	<5	<4	15	630	1.89	.03	1.60	.25	<.01	.24
S911B932	1600N/2350E	47	54	165	<.4	8	46	<1	32	56	4.18	<2	10	<5	<4	14	438	1.53	.04	1.79	.12	.01	.15
S911B933	1600N/2375E	34	107	213	<.4	8	135	<1	23	24	3.53	5	14	<5	<4	21	1653	1.50	.02	1.35	.18	<.01	.20
S911B934	1600N/2400E	40	135	160	<.4	8	62	<1	20	24	3.50	8	17	<5	<4	27	378	2.21	.02	1.54	.21	<.01	.31
S911B935	1600N/2425E	53	153	146	<.4	14	73	<1	16	30	4.09	14	17	<5	<4	31	401	2.16	.02	1.54	.41	<.01	.54
S911B936	1600N/2450E	19	75	131	<.4	11	65	<1	15	28	2.51	5	11	<5	<4	23	261	1.21	.05	1.75	.39	.01	.20
S911B937	1600N/2475E	13	48	82	<.4	13	41	<1	5	14	2.41	5	14	<5	<4	34	107	1.28	.05	1.43	.03	.01	.10
S911B938	1600N/2500E	27	50	81	<.4	<2	39	<1	7	15	2.78	4	16	<5	<4	27	158	1.67	.04	1.45	.03	.01	.15
S911B939	1600N/2550E	14	33	66	<.4	5	71	<1	9	9	1.99	3	6	<5	<4	15	740	.65	.03	1.06	.07	.01	.11
S911B940	1600N/2600E	11	28	60	<.4	3	133	<1	6	11	1.98	<2	7	<5	<4	14	156	.76	.02	1.33	.04	.01	.08
S911B941	1600N/2650E	12	33	75	.4	<2	123	<1	10	16	1.98	2	9	<5	<4	15	66	.73	.02	2.16	.05	.01	.14
S911B942	1600N/2700E	12	35	79	.9	6	137	<1	9	15	1.96	<2	7	<5	<4	18	203	.61	.03	1.77	.04	.01	.09
S911B943	1600N/2750E	12	23	50	<.4	<2	159	<1	7	15	1.73	<2	6	<5	<4	13	99	.80	.03	1.71	.06	.01	.10
S911B944	1600N/2800E	26	35	78	<.4	12	175	<1	12	21	2.32	<2	10	<5	<4	18	379	1.15	.02	1.62	.06	.01	.16
S911B945	1600N/2850E	19	33	86	<.4	11	227	<1	15	19	2.16	<2	8	<5	<4	16	970	1.07	.04	2.07	.26	.01	.15
S911B946	1300N/1000E	18	36	84	<.4	7	121	<1	10	30	2.07	<2	8	<5	<4	14	574	.92	.08	2.99	.14	.01	.11
S911B947	1300N/1050E	32	20	67	<.4	4	129	<1	9	19	1.88	<2	14	<5	<4	23	226	1.12	.13	4.05	.24	.02	.19
S911B948	1300N/1100E	32	38	74	<.4	7	95	<1	16	40	2.76	<2	51	<5	<4	48	360	2.63	.15	2.26	.26	<.01	.56
S911B949	1300N/1150E	44	69	248	<.4	10	90	<1	42	63	2.94	<2	6	<5	<4	11	916	.70	.04	2.19	.05	.01	.08
S911B950	1300N/1200E	42	153	146	<.4	7	105	<1	28	37	2.60	<2	8	<5	<4	11	3350	1.25	.03	1.49	.38	.01	.18
S911B951	1300N/1250E	49	102	137	<.4	<2	33	<1	20	39	3.24	<2	10	<5	<4	10	1309	2.03	.02	1.28	.36	<.01	.19
S911B952	1300N/1300E	46	47	115	<.4	12	44	<1	14	26	2.15	4	6	<5	<4	14	268	.60	.07	3.45	.04	.01	.07
S911B953	1300N/1350E	25	60	93	<.4	9	58	<1	12	22	2.22	2	11	<5	<4	19	432	1.71	.05	2.26	.23	.01	.12
S911B954	1300N/1400E	53	102	96	.5	7	82	<1	20	28	1.85	3	6	<5	<4	13	165	.88	.05	2.52	.04	.01	.08
S911B955	1300N/1450E	25	97	164	.5	<2	66	<1	13	29	2.21	2	11	<5	<4	21	275	1.63	.06	2.34	.13	.01	.13
S911B956	1300N/1500E	19	16	103	<.4	6	108	<1	9	16	2.23	<2	10	<5	<4	27	180	1.41	.10	3.25	.18	.01	.17
S911B957	1300N/1550E	55	57	126	<.4	2	62	<1	14	27	2.55	<2	13	<5	<4	25	96	1.76	.04	1.56	.01	<.01	.17

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
S9118958	1300N/1575E	16	45	91	<.4	5	44	<1	12	14	2.65	2	8	<5	<4	23	709	.80	.04	1.72	.03	.01	.09
S9118959	1300N/1600E	32	62	151	<.4	4	72	<1	23	32	2.68	3	11	<5	<4	19	344	1.30	.05	2.43	.04	.01	.13
S9118960	1300N/1625E	22	38	109	<.4	4	48	<1	15	22	2.70	3	9	<5	<4	21	378	.85	.06	2.42	.03	.01	.10
S9118961	1300N/1650E	19	51	112	<.4	9	64	<1	17	16	2.40	<2	7	<5	<4	24	1774	1.06	.05	1.24	.08	.01	.14
S9118962	1300N/1675E	40	43	126	<.4	5	101	<1	23	34	2.81	<2	11	<5	<4	34	790	1.83	.08	2.45	.11	.01	.16
S9118963	1300N/1700E	29	52	70	<.4	10	95	<1	13	22	1.96	<2	7	<5	<4	17	373	1.10	.10	3.19	.11	.01	.09
S9118964	1300N/1725E	29	47	98	<.4	4	111	<1	16	28	2.50	<2	11	<5	<4	31	499	2.14	.10	2.65	.09	.01	.16
S9118965	1300N/1750E	33	177	143	<.4	10	107	<1	22	24	3.71	<2	9	<5	<4	119	360	3.10	.13	2.68	.26	<.01	.35
S9118966	1300N/1775E	44	27	98	<.4	11	63	<1	15	28	3.16	<2	17	<5	<4	27	813	2.83	.05	2.24	.13	<.01	.19
S9118967	1300N/1800E	45	46	111	<.4	13	50	<1	30	53	2.78	<2	9	<5	<4	14	1057	1.37	.03	2.01	.07	<.01	.11
S9118968	1300N/1825E	36	58	48	<.4	16	68	<1	16	24	1.41	<2	5	<5	<4	11	216	.87	.06	2.39	.06	.01	.08
S9118969	1300N/1850E	18	30	104	<.4	47	61	1	15	32	1.97	<2	7	<5	<4	15	320	.56	.08	2.76	.07	.01	.09
S9118970	1300N/1875E	45	80	89	<.4	25	67	<1	21	32	2.28	<2	6	<5	<4	8	414	.92	.01	1.39	.02	<.01	.09
S9118971	1300N/1900E	103	651	393	<.4	61	120	2	52	80	4.18	4	53	<5	<4	34	1406	1.94	.04	2.16	.07	<.01	.14
S9118972	1300N/1925E	100	161	108	<.4	454	62	17	10	26	5.93	5	28	<5	<4	24	211	1.43	.02	2.01	.01	.01	.13
S9118973	1300N/1950E	90	105	179	<.4	147	72	4	33	60	4.02	3	15	<5	<4	17	433	1.20	.03	2.07	.04	<.01	.12
S9118974	1300N/1975E	39	73	88	<.4	21	140	<1	17	30	1.98	<2	10	<5	<4	9	256	1.00	.02	1.43	.09	<.01	.10
S9118975	1300N/2000E	50	166	159	<.4	32	123	1	28	43	2.54	3	10	<5	<4	12	963	.82	.03	1.97	.12	.01	.15
S9118976	1300N/2025E	51	47	79	<.4	26	178	<1	18	38	1.79	2	6	<5	<4	13	259	.81	.07	2.97	.09	.01	.10
S9118977	1300N/2050E	51	100	209	<.4	88	123	3	39	60	3.76	<2	22	<5	<4	18	1877	1.28	.03	2.12	.07	<.01	.13
S9118978	1300N/2075E	31	60	130	<.4	51	138	1	25	56	2.35	<2	12	<5	<4	14	701	.91	.05	2.27	.24	.01	.15
S9118979	1300N/2100E	20	38	74	<.4	39	200	1	13	34	1.89	<2	6	<5	<4	14	404	.70	.08	2.87	.17	.02	.12
S9118980	1300N/2125E	21	47	75	.4	21	127	<1	11	21	1.78	<2	7	<5	<4	12	142	.91	.02	1.27	.04	.01	.13
S9118981	1300N/2150E	35	57	135	<.4	70	165	2	17	34	2.99	4	12	<5	<4	16	851	1.06	.02	1.61	.13	.01	.18
S9118982	1300N/2200E	20	59	159	<.4	92	184	2	21	42	2.72	2	23	<5	<4	22	574	1.27	.04	1.93	.14	.01	.24
S9118983	1300N/2225E	19	59	132	<.4	28	117	1	19	43	2.66	2	16	<5	<4	19	417	1.23	.06	2.14	.19	.01	.16
S9118984	1300N/2250E	13	41	102	.7	47	212	1	11	33	1.85	<2	10	<5	<4	17	168	.89	.09	2.58	.14	.01	.12
S9118985	1300N/2275E	11	27	121	<.4	37	109	1	8	14	2.45	<2	13	<5	<4	21	311	.74	.06	2.11	.07	.01	.11
S9118986	1300N/2300E	12	24	92	<.4	33	63	1	5	8	2.88	<2	11	<5	<4	22	387	.76	.07	1.55	.04	.01	.08
S9118987	1300N/2325E	14	41	84	<.4	28	43	<1	7	14	2.55	2	10	<5	<4	19	128	.73	.02	1.45	.03	.01	.10
S9118988	1300N/2350E	30	86	111	<.4	4	40	<1	10	25	3.22	2	17	<5	<4	19	199	1.96	.02	1.71	.03	<.01	.24
S9118989	1300N/2375E	65	104	174	.7	9	30	<1	11	39	4.31	12	21	<5	<4	27	195	2.04	.04	2.09	.02	<.01	.28
S9118990	1300N/2400E	34	94	137	.9	12	41	<1	13	26	3.98	7	15	<5	<4	20	274	1.38	.06	2.20	.02	<.01	.18
S9118991	1300N/2425E	16	42	108	<.4	22	43	<1	9	18	3.89	2	14	<5	<4	21	253	1.34	.06	1.30	.08	<.01	.16
S9118992	1300N/2450E	14	56	81	<.4	14	37	<1	6	16	3.04	<2	14	<5	<4	21	162	1.03	.06	1.57	.06	.01	.12
S9118993	1300N/2475E	33	88	86	<.4	31	40	<1	6	21	3.03	3	16	<5	<4	23	351	1.15	.04	.95	.07	<.01	.18

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9118994	1300N/2500E	40	118	94	<.4	13	56	<1	17	21	3.42	3	17	<5	<4	21	785	1.40	.02	1.01	.14	.01	.23
S9118995	1300N/2525E	49	68	54	<.4	8	53	<1	3	11	1.82	3	8	<5	<4	12	70	.37	.01	.54	.10	<.01	.13
S9118996	1300N/2550E	76	229	108	<.4	5	102	1	29	27	3.45	3	16	<5	<4	21	3106	1.03	.02	.99	.11	.01	.21
S9118997	1300N/2575E	50	128	94	.7	4	66	<1	13	24	3.69	2	16	<5	<4	22	655	1.74	.03	1.04	.10	<.01	.28
S9118998	1300N/2600E	76	138	196	.8	7	96	<1	18	80	5.11	<2	57	<5	<4	35	818	2.20	.05	1.73	.38	<.01	.24
S9118999	1300N/2625E	25	36	71	.5	<2	144	<1	13	16	2.39	<2	17	<5	<4	12	549	1.25	.01	1.08	.13	<.01	.17
S9119000	1300N/2650E	22	25	59	<.4	<2	78	<1	9	13	2.44	<2	9	<5	<4	9	171	.92	<.01	1.06	.02	<.01	.13
S9119001	1300N/2700E	8	34	57	.9	4	113	<1	7	10	2.18	2	8	<5	<4	19	126	.60	.02	1.58	.02	.01	.09
S9119002	1300N/2750E	17	23	63	<.4	<2	136	<1	13	16	2.26	<2	11	<5	<4	22	158	1.07	.02	1.55	.04	.01	.13
S9119003	1300N/2800E	14	22	67	<.4	2	245	<1	16	21	1.91	<2	7	<5	<4	14	157	.79	.04	2.13	.12	.01	.12
S9119004	1300N/2850E	21	21	77	<.4	7	236	<1	18	25	2.27	<2	8	<5	<4	16	660	1.21	.04	1.72	.09	.01	.21
S9119005	1300N/2900E	18	21	89	.4	8	242	<1	12	16	1.95	<2	7	<5	<4	15	694	.77	.07	2.43	.10	.01	.12
S9119006	1000N/1000E	39	27	132	<.4	9	134	<1	17	36	3.27	<2	17	<5	<4	32	318	1.38	.06	3.07	.08	.01	.13
S9119007	1000N/1050E	18	53	131	<.4	3	93	<1	12	22	2.60	<2	9	<5	<4	18	202	1.03	.06	2.83	.05	.01	.07
S9119008	1000N/1100E	40	54	129	<.4	8	78	<1	11	18	2.88	2	18	<5	<4	26	523	1.21	.07	2.67	.04	.01	.15
S9119009	1000N/1150E	30	50	150	.4	<2	114	<1	12	18	2.77	<2	17	<5	<4	29	1585	1.42	.06	1.79	.08	.01	.20
S9119010	1000N/1200E	33	118	334	1.0	4	232	3	23	25	3.03	2	11	<5	<4	20	2488	1.16	.04	2.19	.17	.01	.14
S9119011	1000N/1250E	56	45	110	<.4	8	121	<1	12	22	2.01	<2	7	<5	<4	26	133	1.05	.12	4.35	.11	.02	.08
S9119012	1000N/1300E	45	52	178	<.4	4	254	<1	26	35	3.69	<2	22	<5	<4	80	676	2.54	.12	2.87	.10	.01	.26
S9119013	1000N/1350E	33	61	159	<.4	<2	186	<1	30	42	3.28	4	15	<5	<4	29	2181	1.58	.06	2.48	.09	.01	.18
S9119014	1000N/1400E	33	81	106	<.4	<2	60	<1	18	27	2.20	<2	18	<5	<4	18	377	2.22	.03	1.68	.06	<.01	.17
S9119015	1000N/1500E	28	40	125	1.6	8	68	<1	13	29	2.68	2	21	<5	<4	26	218	2.09	.03	2.20	.06	<.01	.15
S9119016	1000N/1525E	29	24	111	.6	4	65	<1	17	34	2.48	2	14	<5	<4	20	236	1.20	.07	2.75	.05	.01	.12
S9119017	1000N/1550E	35	11	61	<.4	6	61	<1	12	27	2.16	<2	12	<5	<4	19	158	1.06	.09	3.28	.04	.02	.10
S9119018	1000N/1575E	20	<4	70	<.4	<2	30	<1	4	8	2.67	<2	9	<5	<4	7	87	2.03	.05	1.64	<.01	<.01	.45
S9119019	1900N/1050E	20	70	121	<.4	<2	111	<1	13	18	2.00	<2	9	<5	<4	11	1039	.84	.01	1.34	.10	<.01	.10
S9119020	1900N/1100E	17	26	139	<.4	14	104	<1	7	16	1.80	<2	5	<5	<4	13	764	.52	.09	3.34	.07	.02	.07
S9119021	1900N/1150E	17	35	36	.5	6	47	<1	8	12	1.39	<2	6	<5	<4	6	265	.78	<.01	.70	.07	<.01	.06
S9119022	1900N/1200E	16	32	43	.9	2	70	<1	6	12	1.37	<2	8	<5	<4	7	136	.90	<.01	.91	.03	<.01	.06
S9119023	1900N/1250E	21	38	132	<.4	10	69	<1	8	20	1.77	2	6	<5	<4	12	223	.63	.07	2.87	.07	.01	.08
S9119024	1900N/1300E	10	68	132	<.4	5	76	<1	8	17	1.84	<2	8	<5	<4	11	164	.64	.02	1.71	.04	.01	.07
S9119025	1900N/1350E	14	36	91	.4	27	47	<1	7	15	2.75	6	10	<5	<4	18	85	.63	.06	2.62	.04	.01	.07
S9119026	1900N/1400E	33	53	94	<.4	5	87	<1	13	25	2.67	5	10	<5	<4	15	252	1.43	.02	2.05	.02	.01	.13
S9119027	1900N/1450E	15	52	81	<.4	9	50	<1	7	14	2.91	4	17	<5	<4	25	106	1.39	.06	2.09	.03	.01	.12
S9119028	1900N/1500E	40	240	130	.7	<2	54	<1	14	20	4.10	16	15	<5	<4	48	219	1.75	.07	2.22	.03	.01	.18
S9119029	1900N/1550E	13	87	118	<.4	2	32	<1	6	13	2.42	8	19	<5	<4	43	128	2.09	.06	1.23	.02	.01	.17

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Ca	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
S9119030	1900N/1600E	9	124	90	.5	<2	114	<1	5	11	2.13	6	11	<5	<4	29	106	1.17	.04	1.27	.10	.01	.09
S9119031	1900N/1625E	16	130	224	<.4	8	262	<1	10	26	2.33	7	10	<5	<4	22	202	1.17	.04	2.20	.08	.01	.09
S9119032	1900N/1650E	15	111	112	<.4	5	154	<1	7	13	1.69	4	15	<5	<4	25	403	1.95	.04	1.24	.12	.01	.16
S9119033	1900N/1675E	14	71	70	<.4	5	145	<1	10	23	2.37	2	14	<5	<4	18	596	1.04	<.01	1.15	.08	.01	.11
S9119034	1900N/1700E	21	32	44	<.4	16	35	<1	5	10	2.62	<2	5	<5	<4	10	181	.31	<.01	.67	.01	<.01	.05
S9119035	1900N/1725E	16	39	84	.4	21	88	<1	10	10	2.82	<2	5	<5	<4	15	843	.35	.01	1.02	.09	.01	.07
S9119036	1900N/1750E	22	49	81	<.4	4	99	<1	13	28	2.98	<2	7	<5	<4	14	471	.75	<.01	1.60	.06	<.01	.08
S9119037	1900N/1775E	26	162	106	<.4	33	93	<1	21	20	3.20	<2	7	<5	<4	14	2027	.52	.01	1.10	.20	.01	.09
S9119038	1900N/1800E	18	50	69	<.4	7	43	<1	6	10	2.61	<2	5	<5	<4	15	292	.36	.01	.74	.14	.01	.06
S9119039	1900N/1825E	12	30	56	<.4	3	65	<1	5	7	1.44	<2	<4	<5	<4	6	361	.31	<.01	.49	.18	<.01	.07
S9119040	1900N/1850E	26	51	106	<.4	11	136	<1	21	19	3.09	<2	5	<5	<4	10	1763	.47	<.01	1.02	.20	<.01	.13
S9119041	1900N/1875E	36	273	179	<.4	10	93	<1	18	29	3.70	<2	6	<5	<4	9	1027	.63	.01	1.68	.33	.01	.12
S9119042	1900N/1900E	17	61	81	<.4	7	83	<1	10	16	1.93	<2	5	<5	<4	6	843	.64	<.01	.93	.24	<.01	.09
S9119043	1900N/1925E	34	95	87	<.4	10	36	<1	28	18	2.42	<2	6	<5	<4	11	2002	1.10	.01	.84	.07	<.01	.11
S9119044	1900N/1950E	37	88	111	<.4	3	38	<1	25	26	3.09	<2	8	<5	<4	12	1655	1.61	.01	1.14	.05	<.01	.17
S9119045	1900N/1975E	48	101	82	<.4	10	45	<1	25	23	2.21	2	7	<5	<4	11	2499	.87	.01	.77	.14	<.01	.12
S9119046	1900N/2000E	21	82	52	<.4	12	38	<1	4	9	1.99	4	8	<5	<4	15	167	.35	.01	.68	.04	<.01	.10
S9119047	1900N/2050E	6	53	76	.4	<2	101	<1	5	10	2.36	<2	5	<5	<4	13	90	.44	.01	1.48	.08	.01	.07
S9119048	1900N/2100E	16	47	83	.6	11	70	<1	10	15	3.20	<2	6	<5	<4	13	180	.44	.01	1.66	.01	.01	.07
S9119049	1900N/2150E	12	17	45	.6	18	68	<1	7	15	2.04	<2	6	<5	<4	14	71	.32	.06	3.05	.02	.01	.04
S9119050	1900N/2200E	7	26	47	<.4	6	54	<1	6	12	1.94	<2	5	<5	<4	12	96	.48	.01	1.17	.05	<.01	.07
S9119051	1900N/2250E	13	27	56	<.4	8	92	<1	11	25	2.51	<2	6	<5	<4	11	155	.56	.02	1.62	.09	.01	.08
S9119052	1900N/2300E	18	30	33	<.4	<2	65	<1	9	21	1.87	<2	4	<5	<4	6	233	.47	.01	1.07	.08	.01	.06
S9119053	1900N/2350E	11	18	56	.6	8	59	<1	9	17	1.82	<2	4	<5	<4	8	442	.47	.04	1.85	.22	.01	.07
S9119054	1900N/2400E	14	18	32	.6	4	35	<1	6	12	1.59	<2	5	<5	<4	5	124	.71	<.01	.76	.07	<.01	.06
S9119055	1900N/2450E	39	59	107	<.4	23	147	<1	22	23	2.94	<2	7	<5	<4	9	2178	.49	<.01	.74	.66	<.01	.15
S9119056	1900N/2500E	20	23	41	.7	4	46	<1	11	13	2.01	<2	10	<5	<4	9	334	1.39	<.01	.81	.04	<.01	.11
S9119057	1900N/2550E	12	25	49	<.4	2	165	<1	9	17	1.66	<2	17	<5	<4	12	215	1.13	<.01	1.24	.06	<.01	.20
S9119058	1900N/2600E	5	17	74	.5	5	169	<1	9	17	1.58	<2	6	<5	<4	11	1022	.66	.04	1.88	.12	.01	.15
S9119059	1900N/2650E	15	32	88	1.2	8	169	<1	13	14	1.72	<2	6	<5	<4	10	527	.72	.02	1.56	.07	.01	.12
S9119060	1900N/2700E	17	27	61	<.4	<2	171	<1	10	13	1.48	<2	9	<5	<4	9	192	1.35	.01	1.02	.04	<.01	.20
S9119061	1900N/2750E	9	39	88	.5	9	223	<1	11	15	1.52	<2	6	<5	<4	9	1032	.65	.02	1.69	.13	.01	.18
S9119062	1900N/2800E	13	38	101	<.4	4	181	<1	12	11	1.84	<2	7	<5	<4	10	1038	.72	.01	1.28	.14	<.01	.11
S9119063	1900N/2850E	11	25	51	<.4	2	176	<1	7	13	1.46	<2	8	<5	<4	15	250	.72	.03	1.71	.10	.01	.08
S9119064	1000E/1050N	18	68	186	<.4	10	180	<1	16	22	2.38	<2	8	<5	<4	17	2642	1.06	.06	2.36	.21	.01	.16
S9119065	1000E/1100N	16	44	72	<.4	4	196	<1	10	25	2.01	2	7	<5	<4	17	981	1.05	.11	3.37	.34	.01	.14

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9119066	1000E/1150N	41	60	116	<.4	<2	208	<1	20	30	2.63	<2	10	<5	<4	24	2717	1.27	.09	3.21	.23	.01	.19
S9119067	1000E/1200N	14	64	60	<.4	5	61	<1	9	20	1.88	<2	9	<5	<4	13	460	1.28	.02	1.47	.15	<.01	.14
S9119068	1000E/1250N	11	29	85	.5	<2	113	<1	8	16	2.02	<2	8	<5	<4	19	630	.99	.03	1.37	.08	.01	.10
S9119069	1000E/1350N	21	41	53	.6	5	55	<1	12	25	1.99	<2	31	<5	<4	22	354	2.03	.05	1.28	.13	<.01	.23
S9119070	1000E/1400N	23	36	102	<.4	6	110	<1	14	28	2.83	<2	12	<5	<4	33	223	1.26	.10	2.75	.15	.01	.17
S9119071	1000E/1450N	12	24	95	<.4	8	69	<1	5	12	2.11	<2	7	<5	<4	19	215	.56	.11	3.38	.06	.01	.07
S9119072	1000E/1500N	20	45	148	<.4	6	180	<1	11	23	2.30	3	7	<5	<4	15	1496	1.07	.09	2.94	.17	.01	.17
S9119073	1000E/1550N	11	29	48	<.4	2	96	<1	6	10	1.09	<2	5	<5	<4	8	252	.87	.01	.86	.10	<.01	.09
S9119074	1000E/1650N	19	72	207	.5	4	261	<1	11	23	1.99	2	8	<5	<4	22	388	1.22	.08	2.59	.12	.01	.18
S9119075	1000E/1700N	17	73	165	<.4	6	238	<1	9	18	1.42	<2	6	<5	<4	8	1149	.74	.04	2.09	.20	.01	.17
S9119076	1000E/1750N	18	150	125	<.4	4	135	<1	11	14	1.60	<2	4	<5	<4	6	1478	.54	.01	1.15	.20	<.01	.14
S9119077	1000E/1800N	26	426	222	1.2	<2	211	<1	15	17	1.79	<2	4	<5	<4	5	1151	.74	.01	1.17	.16	.01	.09
S9119078	1000E/1850N	12	109	131	.8	2	92	<1	9	12	1.73	<2	6	<5	<4	5	772	1.24	<.01	1.04	.33	<.01	.08
S9119079	1000E/1900N	26	1322	412	3.4	12	164	<1	8	18	1.63	<2	6	<5	<4	13	605	.59	.10	3.10	.10	.02	.10
S9119080	1000E/1950N	10	193	69	<.4	5	173	<1	14	17	1.65	<2	14	<5	<4	14	713	1.08	.02	1.71	.11	<.01	.07
S9119081	1000E/2000N	10	33	126	<.4	5	121	<1	7	16	1.69	<2	7	<5	<4	13	458	.59	.06	2.60	.04	.01	.07
S9119082	1000E/2050N	13	37	115	<.4	9	86	<1	6	14	1.89	<2	8	<5	<4	16	174	.55	.07	2.95	.03	.01	.06
S9119083	1000E/2100N	14	39	97	<.4	13	84	<1	8	16	2.07	<2	7	<5	<4	15	249	.52	.04	2.40	.03	.01	.07
S9119084	1000E/2150N	14	165	152	<.4	11	312	<1	8	18	1.51	<2	5	<5	<4	8	650	.54	.05	2.18	.16	.01	.16
S9119085	1000E/2200N	16	162	62	<.4	2	144	<1	7	17	1.54	<2	5	<5	<4	6	500	.51	.01	1.26	.11	<.01	.09
S9119086	1000E/2250N	12	37	69	.4	6	163	<1	11	16	1.89	<2	5	<5	<4	8	1934	.54	.01	1.13	.08	<.01	.10
S9119087	1000E/2300N	4	16	68	<.4	2	100	<1	6	19	1.25	<2	13	<5	<4	8	642	.57	.03	1.25	.14	.01	.12
S9119088	1000E/2350N	17	21	81	<.4	10	162	<1	10	18	1.99	<2	6	<5	<4	14	1374	.65	.06	2.35	.11	.01	.10
S9119089	1000E/2400N	11	20	64	.5	10	100	<1	9	16	2.01	<2	7	<5	<4	14	189	.59	.02	1.67	.04	.01	.07
S9119090	1000E/2450N	53	34	45	<.4	8	90	<1	11	15	3.42	<2	21	<5	<4	82	286	2.87	<.01	2.17	.51	<.01	.06
S9119091	1000E/2500N	10	17	31	<.4	5	119	<1	7	16	1.63	<2	5	<5	<4	7	414	.56	.01	1.04	.08	<.01	.10
S9119092	1000E/2550N	10	9	15	<.4	<2	55	<1	3	9	1.05	<2	4	<5	<4	4	87	.42	<.01	.54	.05	<.01	.09
S9119093	1000E/2600N	16	14	53	<.4	5	182	<1	10	22	1.56	<2	8	<5	<4	11	227	.68	.04	1.99	.07	.01	.08
S9119094	1000E/2650N	6	18	26	<.4	3	113	<1	6	15	1.66	<2	5	<5	<4	8	394	.50	.02	1.38	.06	.01	.05
S9119095	1000E/2700N	12	11	80	<.4	9	91	<1	6	16	2.10	<2	7	<5	<4	19	447	.50	.06	3.16	.05	.01	.10
S9119096	1000E/2750N	11	20	40	<.4	8	74	<1	7	11	1.89	<2	5	<5	<4	12	524	.36	.03	1.87	.03	.01	.06
S9119097	1000E/2800N	3	14	16	<.4	<2	64	<1	4	10	1.22	<2	4	<5	<4	7	83	.47	<.01	.77	.04	<.01	.03
S9119098	1000E/2850N	9	16	18	<.4	5	76	<1	5	9	2.26	<2	6	<5	<4	16	124	.35	.07	1.72	.04	.01	.05
S9119099	1000E/2900N	8	6	18	1.3	5	52	<1	4	9	1.44	<2	5	<5	<4	7	92	.59	<.01	1.00	.02	<.01	.04
S9119100	1000E/2950N	12	14	31	.8	13	74	<1	6	10	2.02	<2	5	<5	<4	14	193	.35	.02	1.68	.02	.01	.06
S9119101	1000E/3000N	7	39	71	.4	6	39	<1	4	8	2.17	<2	6	<5	<4	15	141	.39	.01	.86	.02	.01	.05

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
S9119102	1000E/3050N	12	13	41	<.4	6	64	<1	11	11	2.23	<2	7	<5	<4	14	284	.38	.01	1.41	.05	.01	.08
S9119103	1000E/3100N	11	13	30	<.4	5	40	<1	6	13	1.91	<2	6	<5	<4	9	87	.56	<.01	.85	.02	<.01	.05
S9119104	1000E/3150N	8	20	45	<.4	3	78	<1	8	17	1.92	<2	8	<5	<4	13	166	.73	.02	1.28	.12	.01	.08
S9119105	1000E/3200N	9	15	27	<.4	7	73	<1	8	17	1.88	<2	9	<5	<4	13	160	.52	.05	2.43	.05	.01	.04
S9119106	1000E/3250N	7	17	49	<.4	4	74	<1	8	12	1.67	<2	8	<5	<4	14	362	.63	.02	1.23	.13	.01	.12
S9119107	1000E/3300N	66	39	42	<.4	<2	46	<1	12	18	2.43	<2	11	<5	<4	16	400	.80	<.01	.86	.37	<.01	.07
S9119108	1000E/3350N	20	71	28	<.4	2	84	<1	6	9	1.83	<2	5	<5	<4	6	179	.79	<.01	1.26	.48	.01	.13
S9119109	1000E/3400N	14	39	28	<.4	4	110	<1	8	11	1.71	<2	5	<5	<4	9	358	.72	.02	1.68	.51	.02	.10
S9119110	1000E/3450N	<1	<4	29	<.4	<2	48	<1	8	5	1.79	<2	14	<5	<4	<2	646	2.59	<.01	.17	3.41	<.01	.30
S9119111	2800N/1050E	9	77	21	<.4	11	59	<1	4	8	2.48	<2	6	<5	<4	18	213	.31	.02	1.23	.02	.01	.04
S9119112	2800N/1100E	10	90	41	.4	7	67	<1	5	9	3.09	<2	7	<5	<4	21	193	.36	.01	1.13	.03	.01	.06
S9119113	2800N/1150E	15	37	25	<.4	6	136	<1	8	25	2.03	<2	6	<5	<4	11	156	.55	.02	1.55	.09	.01	.07
S9119114	2800N/1200E	15	232	53	<.4	9	99	<1	9	17	2.41	<2	8	<5	<4	26	345	.76	.03	1.86	.15	.01	.09
S9119115	2800N/1250E	42	754	78	1.1	12	61	<1	5	14	2.20	<2	4	<5	<4	11	81	.32	.01	1.59	.04	.01	.05
S9119116	2800N/1300E	9	98	48	<.4	4	89	<1	7	19	1.97	<2	5	<5	<4	9	468	.47	.02	1.24	.16	.01	.10
S9119117	2800N/1350E	25	58	89	.8	2	222	<1	11	23	2.55	<2	7	<5	<4	8	2308	.41	<.01	1.22	.28	<.01	.07
S9119118	2800N/1375E	14	96	74	<.4	8	179	<1	10	21	2.50	<2	5	<5	<4	8	918	.46	.01	1.31	.10	<.01	.08
S9119119	2800N/1400E	29	222	104	.8	7	104	<1	9	15	2.55	<2	5	<5	<4	13	618	.53	.01	1.09	.10	<.01	.09
S9119120	2800N/1425E	29	334	179	<.4	8	85	1	13	20	3.06	<2	5	<5	<4	6	837	.41	<.01	.83	.19	<.01	.15
S9119121	2800N/1450E	17	120	128	<.4	3	150	<1	11	25	2.37	<2	5	<5	<4	8	735	.45	.02	1.50	.26	.01	.11
S9119122	2200N/1100E	12	22	142	<.4	10	229	<1	9	19	1.81	<2	7	<5	<4	13	609	.75	.07	2.82	.08	.01	.12
S9119123	2200N/1150E	15	36	240	<.4	4	259	<1	9	23	1.99	<2	6	<5	<4	13	440	.65	.05	2.12	.04	.01	.09
S9119124	2200N/1200E	7	20	75	<.4	4	74	<1	4	9	1.26	<2	6	<5	<4	8	155	.62	<.01	.95	.02	<.01	.07
S9119125	2200N/1250E	8	14	43	<.4	2	65	<1	2	7	1.13	<2	<4	<5	<4	7	77	.42	<.01	1.01	.02	<.01	.05
S9119126	2200N/1300E	21	33	123	<.4	6	126	<1	10	18	2.02	<2	5	<5	<4	11	762	.49	.03	1.93	.06	.01	.09
S9119127	2200N/1350E	17	22	54	.7	<2	72	<1	10	11	1.54	<2	4	<5	<4	5	1144	.53	<.01	.92	.03	<.01	.06
S9119128	2200N/1400E	26	40	64	<.4	<2	88	<1	16	21	2.67	<2	11	<5	<4	13	2133	.81	.01	1.27	.03	<.01	.07
S9119129	2200N/1450E	11	32	45	<.4	<2	34	<1	5	9	2.37	<2	7	<5	<4	10	104	.45	.01	1.35	.01	<.01	.05
S9119130	2200N/1500E	9	18	28	1.0	9	28	<1	3	5	2.55	2	6	<5	<4	11	85	.28	.01	1.63	.01	.01	.04
S9119131	2200N/1525E	23	33	33	<.4	4	42	<1	3	8	2.98	2	6	<5	<4	17	80	.35	.03	1.76	.01	.01	.06
S9119132	2200N/1550E	27	32	46	<.4	5	50	<1	6	12	3.37	<2	5	<5	<4	10	123	.39	<.01	1.11	.01	<.01	.07
S9119133	2200N/1575E	23	20	32	<.4	<2	65	<1	8	13	2.79	<2	4	<5	<4	5	319	.28	<.01	1.09	.01	<.01	.06
S9119134	2200N/1600E	45	69	76	<.4	6	65	<1	12	18	2.86	<2	5	<5	<4	6	678	.31	<.01	.74	.09	<.01	.10
S9119135	2200N/1625E	48	65	111	.4	4	102	<1	13	27	3.20	<2	4	<5	<4	5	275	.39	<.01	1.39	.04	.02	.09
S9119136	2200N/1650E	44	108	251	1.3	9	142	<1	22	37	2.61	<2	5	<5	<4	8	317	.59	.04	1.93	.07	.01	.08
S9119137	2200N/1675E	20	137	131	.7	2	141	<1	13	19	3.05	<2	4	<5	<4	9	644	.36	<.01	1.03	.13	<.01	.08

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Ca PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9119138	2200N/1700E	13	63	86	<.4	7	173	<1	11	14	2.57	<2	4	<5	<4	6	842	.32	<.01	.86	.16	<.01	.08
S9119139	2200N/1725E	17	145	129	<.4	4	114	<1	15	16	2.24	<2	<4	<5	<4	5	1115	.40	<.01	.83	.30	<.01	.13
S9119140	2200N/1750E	11	143	107	<.4	<2	92	<1	6	11	1.57	<2	4	<5	<4	5	147	.38	<.01	.85	.07	<.01	.09
S9119141	2200N/1775E	12	46	81	<.4	2	80	<1	6	12	1.96	<2	<4	<5	<4	4	340	.41	<.01	.73	.31	<.01	.13
S9119142	2200N/1800E	9	59	61	<.4	2	37	<1	5	7	1.43	<2	<4	<5	<4	3	119	.26	<.01	.52	.17	<.01	.08
S9119143	2200N/1825E	29	60	108	<.4	4	75	<1	14	19	2.51	<2	<4	<5	<4	3	926	.38	<.01	.66	.30	<.01	.11
S9119144	2200N/1950E	10	27	52	<.4	12	149	<1	8	20	1.99	<2	5	<5	<4	10	155	.56	.03	1.88	.23	.01	.13
S9119145	2200N/2000E	12	26	32	<.4	11	43	<1	7	11	2.16	<2	5	<5	<4	12	141	.62	<.01	1.14	.09	<.01	.13
S9119146	2200N/2050E	8	26	61	.9	11	70	<1	8	21	1.58	<2	5	<5	<4	11	225	.63	.05	2.18	.33	.02	.11
S9119147	2200N/2100E	7	10	40	.4	3	60	<1	5	16	1.19	<2	<4	<5	<4	8	465	.40	.04	1.72	.23	.02	.13
S9119148	2200N/2150E	8	19	38	<.4	<2	79	<1	7	17	1.69	<2	5	<5	<4	9	76	.51	.01	1.28	.05	<.01	.11
S9119149	2200N/2200E	56	32	30	<.4	3	44	<1	11	20	2.40	<2	5	<5	<4	5	321	.62	<.01	.88	.28	<.01	.13
S9119150	2200N/2250E	6	16	76	.5	11	119	<1	7	21	1.27	<2	6	<5	<4	8	536	.54	.04	1.78	.17	.01	.13
S9119151	2200N/2300E	10	19	95	<.4	8	69	<1	9	35	1.94	<2	6	<5	<4	10	189	.58	.09	2.80	.20	.02	.15
S9119152	2200N/2350E	13	21	41	.6	4	52	<1	7	16	1.90	<2	6	<5	<4	10	248	.59	.04	2.20	.16	.01	.08
S9119153	2200N/2400E	33	59	90	<.4	15	74	<1	15	21	3.00	<2	11	<5	<4	11	777	1.24	.01	.83	.20	<.01	.16
S9119154	2200N/2450E	10	31	59	<.4	6	128	<1	7	12	1.64	<2	8	<5	<4	11	139	.95	.01	1.32	.03	<.01	.10
S9119155	2200N/2500E	8	24	112	<.4	3	266	<1	8	11	1.40	<2	6	<5	<4	8	1662	.54	.03	1.27	.16	.01	.18
S9119156	2200N/2550E	12	29	108	<.4	8	212	<1	9	17	1.63	<2	7	<5	<4	9	1113	.65	.03	1.76	.19	.01	.19
S9119157	2200N/2600E	11	25	86	<.4	5	216	<1	9	23	1.57	<2	6	<5	<4	9	579	.63	.06	2.25	.10	.01	.14
S9119158	2200N/2650E	16	37	64	<.4	3	84	<1	9	13	1.57	<2	7	<5	<4	6	533	1.01	.01	.90	.06	<.01	.17
S9119159	2200N/2750E	12	21	74	<.4	2	165	<1	6	13	1.14	<2	4	<5	<4	8	224	.51	.06	2.12	.12	.02	.13
S9119160	2200N/2800E	9	19	94	<.4	5	101	<1	9	14	1.41	<2	6	<5	<4	10	854	.54	.05	1.93	.05	.01	.10
S9119161	2500N/1050E	11	27	47	<.4	2	151	<1	7	20	1.66	<2	7	<5	<4	8	754	.57	.02	1.54	.07	.01	.09
S9119162	2500N/1100E	8	14	31	<.4	5	177	<1	6	15	1.53	<2	5	<5	<4	8	575	.55	.02	1.16	.12	.01	.11
S9119163	2500N/1150E	10	9	21	<.4	4	86	<1	6	13	1.54	<2	6	<5	<4	8	199	.52	.01	1.01	.04	<.01	.05
S9119164	2500N/1200E	6	14	29	<.4	10	74	<1	6	16	1.94	<2	5	<5	<4	15	250	.36	.07	2.65	.06	.01	.04
S9119165	2500N/1250E	8	19	29	<.4	19	40	<1	3	8	2.66	2	5	<5	<4	13	90	.29	.05	2.43	.03	.01	.04
S9119166	2500N/1300E	11	33	23	<.4	<2	44	<1	10	12	1.83	<2	<4	<5	<4	4	376	.43	<.01	.77	.16	<.01	.06
S9119167	2500N/1350E	41	35	30	<.4	2	78	<1	30	28	4.03	<2	<4	<5	<4	6	2915	.47	<.01	.60	.29	<.01	.06
S9119168	2500N/1400E	14	43	34	<.4	5	48	<1	6	10	1.45	<2	4	<5	<4	4	382	.42	<.01	.71	.10	<.01	.05
S9119169	2500N/1450E	28	40	45	<.4	5	83	<1	20	15	1.97	<2	<4	<5	<4	4	1398	.44	<.01	.71	.38	<.01	.09
S9119170	2500N/1475E	28	68	49	<.4	4	121	<1	20	18	2.32	<2	<4	<5	<4	4	1996	.34	<.01	.74	.21	<.01	.10
S9119171	2500N/1500E	31	45	45	<.4	8	61	<1	15	14	2.71	<2	4	<5	<4	7	1372	.45	<.01	.74	.18	<.01	.06
S9119172	2500N/1525E	12	43	47	<.4	<2	33	<1	4	7	1.82	<2	4	<5	<4	6	155	.47	<.01	.57	<.01	<.01	.05
S9119173	3050N/1050E	6	25	39	.4	7	49	<1	5	13	2.30	<2	5	<5	<4	15	133	.45	.02	1.09	.04	.01	.05

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cu	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
S9119174	3050N/1100E	11	46	59	.8	6	91	<1	11	14	2.59	<2	5	<5	<4	16	1050	.72	.04	1.94	.44	.01	.14
S9119175	3050N/1150E	18	34	66	<.4	7	53	<1	11	20	2.53	<2	7	<5	<4	10	375	.66	.04	1.35	.08	.01	.08
S9119176	3050N/1200E	13	35	29	.6	13	24	<1	4	11	2.30	<2	5	<5	<4	9	82	.43	.01	.73	.02	<.01	.05
S9119177	3050N/1250E	12	41	54	<.4	6	47	<1	7	11	1.97	<2	<4	<5	<4	10	214	.27	.01	.66	.05	<.01	.07
S9119178	3050N/1300E	8	25	58	.5	13	80	<1	10	20	1.88	<2	6	<5	<4	11	634	.50	.03	1.29	.04	.01	.06
S9119179	3050N/1325E	8	18	60	<.4	8	73	<1	7	25	1.50	<2	4	<5	<4	9	316	.55	.05	1.50	.16	.01	.08
S9119180	3050N/1350E	13	23	59	<.4	44	70	1	14	36	1.80	<2	5	<5	<4	11	497	.58	.05	2.07	.14	.01	.08
S9119181	3050N/1375E	11	27	32	<.4	8	42	<1	7	17	1.38	<2	6	<5	<4	8	405	.63	.01	.80	.12	<.01	.06
S9119182	3050N/1400E	9	33	66	<.4	11	106	<1	10	24	1.64	<2	7	<5	<4	11	1202	.60	.03	1.61	.20	.01	.11
S9119183	3050N/1425E	17	27	37	<.4	9	85	<1	11	20	1.99	<2	6	<5	<4	8	475	.51	.02	.98	.12	<.01	.08
S9119184	3050N/1450E	6	40	71	<.4	9	103	<1	10	15	1.86	<2	6	<5	<4	14	708	.45	.03	1.36	.14	.01	.10
S9119185	3050N/1475E	16	36	59	<.4	17	55	<1	10	22	1.72	<2	5	<5	<4	10	466	.47	.02	1.21	.14	.01	.09
S9119186	3050N/1500E	14	64	55	<.4	8	45	<1	9	14	2.24	<2	4	<5	<4	9	205	.41	.01	1.08	.21	.01	.09

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA-WD

JOB # 91-03758
REPORT DATE 18 OCT 1991

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9120805	2500N/1550E	18	50	30
S9120806	2500N/1575E	9	50	17
S9120807	2500N/1600E	<2	50	28
S9120808	2500N/1625E	10	50	23
S9120809	2500N/1650E	17	50	15
S9120810	2500N/1675E	35	50	12
S9120811	2500N/1700E	12	50	<10
S9120812	2500N/1725E	18	50	16
S9120813	2500N/1750E	14	50	14
S9120814	2500N/1775E	38	50	11
S9120815	2500N/1800E	12	50	148
S9120816	2500N/1850E	40	50	225
S9120817	2500N/1900E	10	50	150
S9120818	2500N/1950E	12	50	15
S9120819	2500N/2000E	16	50	28
S9120820	2500N/2050E	11	50	24
S9120821	2500N/2100E	10	50	11
S9120822	2500N/2150E	28	50	12
S9120823	2500N/2200E	12	50	10
S9120824	2500N/2250E	9	50	<10
S9120825	2500N/2300E	17	50	<10
S9120826	2500N/2400E	43	50	<10
S9120827	2500N/2410E	8	50	<10
S9120828	2500N/2450E	8	50	12
S9120829	2500N/2500E	14	50	12
S9120830	2500N/2550E	47	50	<10
S9120831	2500N/2600E	9	50	<10
S9120832	2500N/2650E	17	50	<10
S9120833	2500N/2700E	43	50	11
S9120834	2500N/2750E	13	50	10
S9120835	2500N/2800E	19	50	24
S9120836	2800E/2550N	25	50	25
S9120837	2800E/2600N	22	50	30
S9120838	2800E/2650N	7	50	15
S9120839	2800E/2700N	43	50	17
S9120840	2800E/2750N	12	50	21
S9120841	2800E/2800N	46	50	17
S9120842	2800E/2850N	54	50	25
S9120843	2800E/2900N	37	50	23
S9120844	2800E/2950N	28	50	37
S9120845	2800E/3000N	13	50	14
S9120846	2800E/3050N	16	50	17
S9120847	2800E/3100N	25	50	<10
S9120848	2800E/3150N	12	50	37
S9120849	2800E/3200N	5	50	18
S9120850	2800E/3250N	5	50	17
S9120851	2800E/3300N	15	50	27
S9120852	2800E/3350N	15	50	11
S9120853	2800E/3400N	41	50	12
S9120854	2800E/3450N	22	50	14
S9120855	2800E/3500N	9	50	17

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9120856	2800E/3550N	6	50	18
S9120857	2800E/3600N	8	50	17
S9120858	2800E/3650N	12	50	<10
S9120859	2800E/3700N	8	50	10
S9120860	2800E/3750N	6	50	<10
S9120861	2800E/3800N	7	50	<10
S9120862	2800E/3850N	8	50	<10
S9120863	2800E/3900N	8	50	<10
S9120864	2800E/3950N	25	50	<10
S9120865	2800E/4000N	9	50	<10
S9120866	2800E/4150N	2	50	12
S9120867	2800E/4200N	5	50	17
S9120868	2800E/4250N	13	50	11
S9120869	2800E/4300N	10	50	12
S9120870	2800E/4350N	6	50	15
S9120871	2800E/4400N	9	50	17
S9120872	2800E/4450N	5	50	14
S9120873	2800E/4500N	16	50	10
S9120874	2800E/4550N	9	50	17
S9120875	3550N/1900E	10	50	11
S9120876	3550N/1800E	10	50	17
S9120877	3550N/1750E	14	50	11
S9120878	3550N/1450E	<2	50	<10
S9120879	3500N/1100E	9	50	<10
S9120880	3500N/1050E	12	50	14
S9120881	4550N/2050E	12	50	41
S9120882	4550N/2100E	16	50	12
S9120883	4550N/2150E	9	50	14
S9120884	4550N/2200E	9	50	<10
S9120885	4550N/2250E	11	50	10
S9120886	4550N/2300E	12	50	19

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN :RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
Hg FLAMELESS AAS

ESTELLA-WD

Job V 91-0375S
Report Date 8 OCT 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9120805	2500N/1550E	8	53	74	<.4	16	52	<1	7	12	2.10	<2	5	<5	<4	11	135	.34	.04	2.23	.08	.01	.07
7120806	2500N/1575E	8	61	117	<.4	8	36	<1	6	10	2.36	2	5	<5	<4	11	148	.35	.02	1.03	.03	.01	.11
S9120807	2500N/1600E	11	238	111	<.4	8	51	<1	5	12	2.42	<2	<4	<5	<4	7	90	.31	.01	1.34	.07	.01	.08
S9120808	2500N/1625E	13	249	145	<.4	<2	45	<1	5	11	2.46	<2	4	<5	<4	7	62	.21	.01	1.34	.03	.01	.08
7120809	2500N/1650E	7	174	132	<.4	3	28	<1	2	7	2.48	<2	4	<5	<4	8	58	.22	<.01	.75	.01	<.01	.09
S9120810	2500N/1675E	11	102	143	<.4	6	43	<1	5	14	2.50	<2	<4	<5	<4	8	58	.33	<.01	1.01	.05	<.01	.08
S9120811	2500N/1700E	13	110	125	<.4	3	47	<1	7	15	2.62	<2	<4	<5	<4	5	104	.27	<.01	1.01	.07	<.01	.09
7120812	2500N/1725E	12	60	73	<.4	3	79	<1	9	23	2.34	<2	10	<5	<4	8	183	.59	.01	1.27	.20	.01	.12
S9120813	2500N/1750E	14	84	65	<.4	3	88	<1	10	19	2.53	<2	7	<5	<4	8	355	.49	.01	1.33	.20	<.01	.14
S9120814	2500N/1775E	9	49	55	<.4	5	131	<1	7	24	1.80	<2	5	<5	<4	9	153	.51	.02	2.01	.11	.01	.18
7120815	2500N/1800E	28	140	197	<.4	11	292	1	17	20	2.44	<2	5	<5	<4	7	3250	.43	.01	1.30	1.15	.01	.20
S9120816	2500N/1850E	18	42	38	<.4	8	44	<1	11	15	1.97	<2	5	<5	<4	8	1669	.51	.01	1.02	.22	<.01	.09
S9120817	2500N/1900E	7	22	38	<.4	8	130	<1	7	19	1.79	<2	8	<5	<4	13	608	.62	.05	1.80	.29	.02	.15
7120818	2500N/1950E	7	25	68	<.4	6	141	<1	8	19	1.76	<2	8	<5	<4	13	833	.64	.03	1.55	.30	.01	.18
S9120819	2500N/2000E	5	18	44	<.4	<2	82	<1	7	18	1.70	<2	11	<5	<4	14	124	.79	.03	1.61	.17	.01	.11
S9120820	2500N/2050E	20	45	63	<.4	9	96	<1	12	28	2.66	<2	5	<5	<4	10	257	.52	.04	2.10	.36	.01	.15
7120821	2500N/2100E	16	40	39	<.4	<2	127	<1	7	13	1.60	<2	5	<5	<4	9	140	.55	.01	1.23	.16	.01	.12
S9120822	2500N/2150E	12	30	57	<.4	<2	192	<1	7	15	1.67	<2	6	<5	<4	8	897	.64	<.01	1.21	.11	.01	.11
S9120823	2500N/2200E	5	6	33	<.4	5	73	<1	4	14	1.02	<2	<4	<5	<4	8	100	.41	.06	2.47	.31	.03	.11
7120824	2500N/2250E	6	26	56	<.4	5	148	<1	7	17	1.84	<2	5	<5	<4	8	495	.53	.02	1.47	.27	.01	.16
S9120825	2500N/2300E	7	20	29	<.4	3	90	<1	5	12	1.14	<2	4	<5	<4	8	203	.60	.02	1.16	.18	.01	.12
S9120826	2500N/2400E	29	31	40	<.4	7	69	<1	11	17	2.23	<2	8	<5	<4	8	629	1.18	<.01	.86	.23	<.01	.14
7120827	2500N/2410E	19	30	37	<.4	3	62	<1	12	12	1.87	<2	7	<5	<4	6	506	.91	<.01	.59	.18	<.01	.09
S9120828	2500N/2450E	17	20	52	<.4	<2	167	<1	12	15	1.80	<2	9	<5	<4	9	1686	.75	.01	1.00	.21	.01	.20
S9120829	2500N/2500E	7	15	58	<.4	4	149	<1	5	10	1.11	<2	5	<5	<4	6	846	.62	.01	1.05	.03	.01	.09
7120830	2500N/2550E	10	17	30	<.4	3	35	<1	5	9	1.32	<2	6	<5	<4	5	127	.78	<.01	.65	.04	<.01	.10
S9120831	2500N/2600E	14	25	68	<.4	5	204	<1	8	16	1.55	<2	7	<5	<4	7	748	.58	.01	1.28	.11	.01	.14
S9120832	2500N/2650E	13	30	65	<.4	2	128	<1	8	18	1.61	<2	5	<5	<4	8	227	.76	.02	1.59	.14	.01	.16
7120833	2500N/2700E	8	41	112	<.4	<2	233	<1	7	16	1.32	<2	5	<5	<4	7	569	.77	.02	1.32	.17	.01	.21
S9120834	2500N/2750E	6	17	38	<.4	<2	189	<1	4	16	1.04	<2	4	<5	<4	6	184	.52	.05	1.97	.28	.02	.12
S9120835	2500N/2800E	12	32	93	<.4	10	208	<1	8	13	1.39	<2	5	<5	<4	9	1361	.59	.04	1.70	.22	.01	.15
7120836	2800E/2550N	10	36	113	<.4	3	269	<1	8	13	1.39	<2	5	<5	<4	8	1254	.61	.03	1.39	.22	.01	.16
S9120837	2800E/2600N	10	22	91	<.4	9	158	<1	8	20	1.50	<2	6	<5	<4	10	493	.57	.05	2.23	.14	.01	.12

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9120838	2800E/2650N	5	27	108	.4	2	196	<1	6	20	1.31	<2	6	<5	<4	8	689	.60	.05	1.98	.10	.01	.15
S9120839	2800E/2700N	10	58	160	<.4	3	147	<1	10	11	1.49	<2	5	<5	<4	8	1514	.51	.01	1.21	.06	.01	.11
S9120840	2800E/2750N	6	17	76	<.4	6	189	<1	6	13	1.22	<2	4	<5	<4	10	693	.33	.07	2.98	.09	.02	.07
S9120841	2800E/2800N	7	41	151	<.4	11	163	<1	8	16	1.53	<2	6	<5	<4	9	578	.63	.03	1.85	.08	.01	.11
S9120842	2800E/2850N	4	33	133	<.4	2	244	<1	7	16	1.36	<2	7	<5	<4	6	588	.72	.01	1.53	.08	.01	.19
S9120843	2800E/2900N	12	31	41	<.4	<2	38	<1	6	12	1.71	<2	6	<5	<4	3	142	1.08	<.01	.91	.03	<.01	.11
S9120844	2800E/2950N	10	16	40	<.4	<2	212	<1	6	13	1.32	<2	5	<5	<4	7	494	.66	.01	1.38	.15	.01	.11
S9120845	2800E/3000N	36	15	36	<.4	4	243	<1	7	20	1.46	<2	6	<5	<4	10	238	.61	.02	1.85	.08	.01	.15
S9120846	2800E/3050N	11	15	25	<.4	6	160	<1	4	13	1.21	<2	5	<5	<4	9	276	.47	.02	1.65	.07	.01	.12
S9120847	2800E/3100N	12	20	26	<.4	<2	75	<1	5	10	1.28	<2	8	<5	<4	7	60	.85	<.01	.87	.03	<.01	.10
S9120848	2800E/3150N	4	19	35	<.4	2	259	<1	6	16	1.31	<2	7	<5	<4	9	146	.61	.02	1.48	.08	.01	.12
S9120849	2800E/3200N	6	17	42	<.4	7	198	<1	6	23	1.30	<2	5	<5	<4	10	290	.51	.03	1.89	.08	.01	.13
S9120850	2800E/3250N	7	12	39	<.4	6	162	<1	7	19	1.25	<2	5	<5	<4	8	311	.51	.02	1.52	.09	.01	.10
S9120851	2800E/3300N	9	19	37	<.4	<2	184	<1	6	25	1.76	<2	5	<5	<4	10	159	.66	.03	1.98	.09	.01	.17
S9120852	2800E/3350N	8	15	33	<.4	5	190	<1	6	13	1.31	<2	6	<5	<4	8	293	.70	.01	1.15	.07	.01	.13
S9120853	2800E/3400N	7	16	27	<.4	<2	102	<1	6	10	1.56	<2	7	<5	<4	7	310	.93	<.01	.75	.03	<.01	.11
S9120854	2800E/3450N	2	21	30	<.4	2	338	<1	6	12	1.31	<2	5	<5	<4	10	207	.56	.01	1.44	.07	.01	.16
S9120855	2800E/3500N	6	17	37	<.4	<2	199	<1	6	17	1.35	<2	7	<5	<4	10	199	.55	.02	1.42	.10	.01	.09
S9120856	2800E/3550N	7	14	35	<.4	6	151	<1	5	15	1.27	<2	4	<5	<4	10	154	.51	.02	1.63	.15	.01	.17
S9120857	2800E/3600N	5	15	48	<.4	4	227	<1	5	9	1.31	2	5	<5	<4	9	611	.47	.03	1.80	.05	.01	.12
S9120858	2800E/3650N	4	14	33	<.4	3	145	<1	4	10	1.16	<2	8	<5	<4	8	129	.71	.02	1.21	.05	.01	.13
S9120859	2800E/3700N	5	8	28	<.4	3	188	<1	3	8	.99	<2	4	<5	<4	6	176	.55	.02	1.35	.07	.01	.10
S9120860	2800E/3750N	5	10	33	<.4	6	224	<1	3	11	1.07	<2	4	<5	<4	7	332	.40	.04	1.96	.13	.02	.13
S9120861	2800E/3800N	6	14	47	<.4	8	375	<1	4	13	1.21	<2	4	<5	<4	8	161	.69	.03	1.93	.12	.01	.29
S9120862	2800E/3850N	3	14	38	<.4	<2	155	<1	4	9	1.20	<2	5	<5	<4	6	302	.73	.01	1.13	.17	.01	.24
S9120863	2800E/3900N	2	12	37	<.4	5	203	<1	4	9	1.07	<2	4	<5	<4	6	322	.57	.01	1.34	.18	.01	.22
S9120864	2800E/3950N	3	10	18	<.4	2	97	<1	2	4	.72	<2	<4	<5	<4	4	219	.41	<.01	.68	.09	.01	.16
S9120865	2800E/4000N	2	9	13	<.4	<2	130	<1	2	5	.73	<2	<4	<5	<4	6	185	.47	.01	.89	.15	.01	.16
S9120866	2800E/4150N	1	<4	35	<.4	5	183	<1	1	7	.86	<2	<4	<5	<4	5	352	.39	.03	1.66	.21	.02	.17
S9120867	2800E/4200N	6	8	36	<.4	3	133	<1	4	8	1.30	<2	6	<5	<4	6	577	.72	.01	1.43	.30	.01	.28
S9120868	2800E/4250N	14	10	31	<.4	2	62	<1	5	10	1.64	<2	10	<5	<4	9	212	.95	<.01	1.23	.38	.01	.34
S9120869	2800E/4300N	12	13	45	2.2	8	98	<1	4	12	1.54	<2	10	<5	<4	9	286	.92	<.01	1.10	.34	.01	.29
S9120870	2800E/4350N	14	14	46	<.4	<2	108	<1	7	13	1.62	<2	6	<5	<4	7	316	.86	<.01	1.12	.44	.01	.27
S9120871	2800E/4400N	29	16	31	<.4	4	36	<1	6	17	2.48	<2	16	<5	<4	14	136	1.17	<.01	1.07	.40	<.01	.16
S9120872	2800E/4450N	5	11	56	<.4	6	152	<1	4	10	1.20	<2	8	<5	<4	9	983	.68	.01	1.48	.20	.02	.21
S9120873	2800E/4500N	4	7	40	<.4	3	84	<1	3	8	1.16	<2	6	<5	<4	6	267	.61	.01	1.11	.26	.01	.25

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
9120874	2800E/4550N	32	30	53	<.4	4	131	<1	9	12	2.82	<2	8	<5	<4	38	223	1.13	.01	2.04	.51	.01	.24
S9120875	3550N/1900E	7	21	28	<.4	6	66	<1	6	17	1.15	<2	<4	<5	<4	7	202	.50	.03	1.48	.17	.01	.14
S9120876	3550N/1800E	13	27	45	<.4	4	70	<1	10	21	1.77	<2	4	<5	<4	8	315	.54	.01	1.21	.26	.01	.11
9120877	3550N/1750E	7	18	32	<.4	7	76	<1	5	21	1.30	<2	4	<5	<4	7	199	.51	.02	1.22	.14	.01	.13
S9120878	3550N/1450E	8	18	43	<.4	6	157	<1	5	19	1.21	<2	6	<5	<4	8	218	.56	.01	1.56	.20	.01	.15
S9120879	3500N/1100E	7	16	21	<.4	<2	89	<1	3	9	1.13	<2	6	<5	<4	7	110	.86	<.01	.80	.13	<.01	.11
9120880	3500N/1050E	13	39	31	<.4	7	92	<1	4	13	1.23	<2	<4	<5	<4	7	120	.44	.06	2.28	.22	.03	.08
S9120881	4550N/2050E	19	24	38	<.4	<2	92	<1	6	13	1.81	<2	5	<5	<4	7	178	1.30	.01	1.12	.70	.01	.14
S9120882	4550N/2100E	4	11	43	<.4	<2	69	<1	4	3	.88	<2	<4	<5	<4	3	256	.48	<.01	.45	.08	<.01	.10
9120883	4550N/2150E	11	22	57	<.4	8	73	<1	6	12	1.97	<2	5	<5	<4	4	147	.69	<.01	.70	.04	<.01	.13
S9120884	4550N/2200E	8	22	53	<.4	6	58	<1	6	9	1.91	<2	4	<5	<4	4	109	.73	<.01	.57	.11	.01	.09
S9120885	4550N/2250E	5	11	61	<.4	<2	68	<1	4	5	1.38	<2	<4	<5	<4	4	290	.57	<.01	.42	.08	<.01	.08
9120886	4550N/2300E	9	20	82	<.4	2	119	<1	4	5	1.27	<2	4	<5	<4	4	628	.62	<.01	.53	.26	<.01	.15

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
F REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
) ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA-WD

JOB V 91-04025
REPORT DATE 8 OCT 1991

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9122547	4550N/2350E	16	50	21
S9122548	4550N/2400E	16	50	<10
S9122549	4550N/2450E	25	50	<10
S9122550	4550N/2500E	14	50	<10
S9122551	4550N/2550E	11	50	<10
S9122552	4550N/2600E	12	50	<10
S9122553	4550N/2650E	8	50	<10
S9122554	4550N/2700E	11	50	<10
S9122555	4550N/2750E	9	50	<10
S9122556	2800E/4050N	13	50	<10
S9122557	2800E/4100N	10	50	13
S9122558	3550N/1150E	28	50	<10
S9122559	3550N/1200E	6	50	<10
S9122560	3550N/1250E	53	50	<10
S9122561	3550N/1300E	10	50	10
S9122562	3550N/1350E	4	50	<10
S9122563	3550N/1400E	7	50	<10
S9122564	3550N/1500E	10	50	46
S9122565	3550N/1550E	4	50	160
S9122566	3550N/1600E	6	50	112
S9122567	3550N/1650E	12	50	50
S9122568	3550N/1700E	4	50	33
S9122569	3550N/1850E	4	50	65
S9122570	3550N/1950E	2	50	33
S9122571	3550N/2000E	13	50	44
S9122572	3550N/2050E	6	50	13
S9122573	3550N/2100E	19	50	16
S9122574	3550N/2150E	13	50	<10
S9122575	3550N/2200E	28	50	<10
S9122576	3550N/2250E	12	50	<10
S9122577	3550N/2300E	10	50	<10
S9122578	3550N/2350E	24	50	<10
S9122579	3550N/2400E	16	50	<10
S9122580	3550N/2450E	15	50	<10
S9122581	3550N/2500E	5	50	15
S9122582	3550N/2550E	8	50	31
S9122583	3550N/2600E	33	50	29
S9122584	3550N/2650E	46	50	20
S9122585	3550N/2700E	12	50	37
S9122586	3550N/2750E	13	50	13
S9122587	3550N/2800E	10	50	19

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN ,RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
Hg FLAMELESS AAS

ESTELLA-MD

Job V 91-0402S
Report date 8 OCT 1991

Can No	Field Number	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %
S9122547	4550N/2350E	7	26	31	1.3	3	63	<1	6	8	1.97	<2	5	<5	<4	3	82	.56	<.01	.51	.05	<.01	.06
S9122548	4550N/2400E	5	20	59	.5	7	122	<1	6	10	2.16	<2	7	<5	<4	3	352	.61	<.01	.60	.09	<.01	.13
S9122549	4550N/2450E	2	9	33	1.2	2	73	<1	3	3	1.10	<2	<4	<5	<4	3	197	.48	<.01	.42	.06	<.01	.13
S9122550	4550N/2500E	2	6	35	<.4	5	177	<1	2	5	.73	<2	<4	<5	<4	3	415	.31	.02	1.22	.11	.02	.14
S9122551	4550N/2550E	1	11	12	.7	4	51	<1	2	3	.83	<2	4	<5	<4	6	76	.70	<.01	.73	.08	.01	.15
S9122552	4550N/2600E	1	15	19	<.4	<2	63	<1	4	4	.95	<2	6	<5	<4	4	237	.62	<.01	.71	.38	<.01	.24
S9122553	4550N/2650E	<1	8	18	2.4	3	82	<1	2	4	.66	<2	4	<5	<4	3	107	.51	<.01	.72	.18	.01	.12
S9122554	4550N/2700E	3	13	22	<.4	3	67	<1	4	6	.95	<2	6	<5	<4	5	146	.68	<.01	.78	.21	.01	.18
S9122555	4550N/2750E	19	14	20	1.0	15	97	<1	7	6	1.09	<2	4	<5	<4	11	140	.54	.02	1.66	.26	.02	.24
S9122556	2800E/4050N	2	7	8	.9	2	183	<1	2	6	.66	<2	<4	<5	<4	5	363	.32	.02	1.26	.14	.01	.17
S9122557	2800E/4100N	4	5	27	<.4	8	208	<1	2	8	.81	<2	4	<5	<4	5	540	.35	.03	1.90	.13	.02	.19
S9122558	3550N/1150E	5	26	40	.5	4	148	<1	3	8	1.09	<2	6	<5	<4	8	101	.60	.02	1.34	.14	.01	.09
S9122559	3550N/1200E	10	20	37	1.2	3	114	<1	5	12	1.32	<2	4	<5	<4	4	214	.53	.01	1.23	.26	.01	.24
S9122560	3550N/1250E	12	18	15	1.4	3	22	<1	5	10	.96	<2	6	<5	<4	3	107	.55	<.01	.55	.13	<.01	.07
S9122561	3550N/1300E	4	26	41	1.1	4	150	<1	5	14	1.09	<2	7	<5	<4	5	445	.58	.02	1.50	.29	.01	.15
S9122562	3550N/1350E	7	23	37	1.9	8	76	<1	5	12	1.32	<2	6	<5	<4	4	123	.49	.01	.98	.15	.01	.10
S9122563	3550N/1400E	2	10	18	2.4	<2	55	<1	4	6	.89	<2	4	<5	<4	3	265	.42	<.01	.55	.13	<.01	.08
S9122564	3550N/1500E	4	12	35	1.5	2	155	<1	4	12	1.14	<2	5	<5	<4	6	349	.43	.03	1.87	.15	.01	.09
S9122565	3550N/1550E	7	12	27	1.9	<2	47	<1	6	11	1.28	<2	5	<5	<4	4	243	.52	.01	.81	.09	<.01	.09
S9122566	3550N/1600E	6	14	34	.7	2	124	<1	5	17	1.30	<2	7	<5	<4	8	499	.50	.03	1.63	.15	.01	.11
S9122567	3550N/1650E	7	19	42	.9	5	57	<1	6	13	1.32	<2	7	<5	<4	10	122	.62	.01	1.11	.08	<.01	.08
S9122568	3550N/1700E	8	11	37	.8	2	99	<1	6	16	1.00	<2	4	<5	<4	6	325	.39	.05	1.90	.16	.02	.11
S9122569	3550N/1850E	6	13	39	.8	9	74	<1	4	14	1.12	2	4	<5	<4	8	242	.40	.06	2.18	.16	.02	.10
S9122570	3550N/1950E	7	11	34	.5	6	122	<1	4	16	1.09	<2	4	<5	<4	6	134	.43	.04	1.83	.15	.02	.14
S9122571	3550N/2000E	4	5	37	1.1	<2	140	<1	5	10	1.36	<2	8	<5	<4	9	344	.73	<.01	1.22	.23	.01	.13
S9122572	3550N/2050E	25	18	31	1.0	5	115	<1	7	25	1.92	<2	30	<5	<4	23	136	.94	.01	1.71	.33	.02	.20
S9122573	3550N/2100E	16	7	20	.9	10	128	<1	6	14	1.50	<2	19	<5	<4	18	90	.80	.01	1.40	.29	.02	.14
S9122574	3550N/2150E	3	7	20	1.4	6	140	<1	4	8	1.14	<2	7	<5	<4	8	135	.49	.02	1.30	.21	.02	.16
S9122575	3550N/2200E	4	9	19	.4	5	140	<1	3	8	1.00	<2	6	<5	<4	8	108	.55	.02	1.25	.21	.02	.14
S9122576	3550N/2250E	6	13	18	.8	5	131	<1	3	10	.92	<2	12	<5	<4	7	122	.50	.02	1.29	.23	.02	.21
S9122577	3550N/2300E	4	8	16	.6	3	121	<1	3	9	.95	<2	5	<5	<4	6	88	.46	.01	1.31	.15	.01	.16
S9122578	3550N/2350E	17	6	46	1.5	8	102	<1	7	15	1.76	<2	16	<5	<4	10	376	.89	<.01	.98	.23	.01	.18
S9122579	3550N/2400E	11	33	77	<.4	4	115	<1	10	12	1.67	<2	7	<5	<4	6	683	.75	.01	.92	.07	.01	.12

LAB NO.	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9122580	3550N/2450E	8	17	35	.7	5	53	<1	4	6	1.13	<2	5	<5	<4	5	323	.61	<.01	.52	.02	<.01	.09
S9122581	3550N/2500E	6	15	30	.8	6	245	<1	5	8	1.02	<2	5	<5	<4	4	499	.53	.01	1.23	.10	.01	.13
S9122582	3550N/2550E	20	18	24	1.2	6	82	<1	10	11	1.87	<2	6	<5	<4	5	288	.95	<.01	.79	.30	<.01	.11
S9122583	3550N/2600E	9	16	33	2.2	2	85	<1	9	12	1.70	<2	8	<5	<4	7	157	.74	<.01	.98	.04	.01	.15
S9122584	3550N/2650E	5	10	18	1.2	3	73	<1	5	6	1.05	<2	6	<5	<4	6	79	.69	<.01	.68	.02	<.01	.10
S9122585	3550N/2700E	6	9	34	2.9	4	116	<1	5	10	1.07	<2	7	<5	<4	7	149	.59	.01	.97	.10	.01	.09
S9122586	3550N/2750E	<1	10	13	.4	2	117	<1	2	3	.60	<2	4	<5	<4	5	59	.38	<.01	.56	.08	<.01	.08
S9122587	3550N/2800E	4	12	30	<.4	<2	203	<1	5	5	1.07	<2	6	<5	<4	5	227	.55	<.01	.65	.03	<.01	.10

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA-WD

SMALL SOILS

JOB: V 91-04035
REPORT DATE 3 OCT 1991

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9122588	1000N/2350E	<10	10	110
S9122589	1000N/2375E	25	10	92
S9122590	1000N/2400E	<10	10	110
S9122591	1000N/2425E	<10	10	49
S9122592	1000N/2450E	30	10	46
S9122593	1000N/2475E	32	10	39
S9122594	1000N/2500E	<10	10	88
S9122595	1000N/2525E	45	10	52
S9122596	1000N/2550E	25	10	32
S9122597	1000N/2575E	<10	10	49
S9122598	1000N/2600E	15	10	58
S9122599	1000N/2625E	12	10	50
S9122600	1000N/2650E	<10	10	62
S9122601	1000N/2700E	<10	10	50
S9122602	1000N/2750E	<10	10	32
S9122603	1000N/2800E	<10	10	24
S9122604	1000N/2850E	<10	10	14
S9122605	4300N/1050E	<10	10	<10
S9122606	4300N/1100E	<10	10	<10
S9122607	4300N/1150E	<10	10	<10
S9122608	4300N/1200E	<10	10	<10
S9122609	4300N/1250E	25	10	<10
S9122610	4300N/1300E	<10	10	<10
S9122611	4300N/1350E	<10	10	<10
S9122612	4300N/1400E	<10	10	<10
S9122613	4300N/1450E	<10	10	11
S9122614	4300N/1500E	<10	10	<10
S9122615	4300N/1550E	<10	10	<10
S9122616	4300N/1600E	<10	10	105
S9122617	4300N/1650E	<10	10	205
S9122618	4300N/1700E	<10	10	128
S9122619	4300N/1750E	<10	10	72
S9122620	4300N/1800E	<10	10	55
S9122621	4300N/1850E	<10	10	42
S9122622	4300N/1900E	<10	10	<10
S9122623	4300N/1950E	<10	10	<10
S9122624	4300N/2000E	<10	10	<10
S9122625	4300N/2050E	<10	10	32
S9122626	4300N/2100E	<10	10	29
S9122627	4300N/2150E	<10	10	36
S9122628	4300N/2200E	<10	10	15
S9122629	4300N/2250E	<10	10	14
S9122630	4300N/2300E	<10	10	<10
S9122631	4300N/2350E	<10	10	<10
S9122632	4300N/2400E	<10	10	<10
S9122633	4300N/2450E	<10	10	12
S9122634	4300N/2500E	20	10	11
S9122635	4300N/2550E	<10	10	17
S9122636	4300N/2600E	<10	10	26
S9122637	4300N/2650E	<10	10	<10
S9122638	4300N/2700E	<10	10	<10

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9122639	3800N/1000E	20	10	<10
S9122640	3800N/1050E	<10	10	<10
S9122641	3800N/1100E	<10	10	<10
S9122642	3800N/1150E	<10	10	19
S9122643	3800N/1200E	<10	10	26
S9122644	3800N/1250E	<10	10	<10
S9122645	3800N/1300E	<10	10	<10
S9122646	3800N/1350E	<10	10	<10
S9122647	3800N/1400E	<10	10	<10
S9122648	3800N/1450E	<10	10	<10
S9122649	3800N/1500E	<10	10	<10
S9122650	3800N/1550E	<10	10	<10
S9122651	3800N/1600E	<10	10	12
S9122652	3800N/1650E	<10	10	<10
S9122653	3800N/1700E	<10	10	<10
S9122654	3800N/1750E	<10	10	12
S9122655	3800N/1800E	15	10	10
S9122656	3800N/1850E	<10	10	17
S9122657	3800N/1900E	<10	10	12
S9122658	3800N/1950E	<10	10	15
S9122659	3800N/2000E	<10	10	<10
S9122660	3800N/2050E	<10	10	<10
S9122661	3800N/2100E	<10	10	12
S9122662	3800N/2150E	<10	10	13
S9122663	3800N/2200E	<10	10	<10
S9122664	3800N/2250E	<10	10	<10
S9122665	3800N/2300E	<10	10	21
S9122666	3800N/2350E	20	10	<10
S9122667	3800N/2400E	<10	10	29
S9122668	3800N/2450E	<10	10	<10
S9122669	3800N/2500E	<10	10	<10
S9122670	3800N/2550N	<10	10	11
S9122671	3800N/2600E	<10	10	<10
S9122672	3800N/2650E	<10	10	<10
S9122673	3800N/2700E	<10	10	11
S9122674	3800N/2750E	<10	10	13
S9122675	4550N/1150E	<10	10	10
S9122676	4550N/1200E	<10	10	12
S9122677	4550N/1250E	<10	10	10
S9122678	4550N/1300E	<10	10	<10
S9122679	4550N/1350E	<10	10	<10
S9122680	4550N/1400E	<10	10	<10
S9122681	4550N/1450E	<10	10	<10
S9122682	4550N/1500E	<10	10	<10
S9122683	4550N/1550E	<10	10	<10
S9122684	4550N/1600E	<10	10	<10
S9122685	4550N/1650E	21	10	<10
S9122686	4550N/1700E	<10	10	<10
S9122687	4550N/1750E	<10	10	<10
S9122688	4550N/1800E	<10	10	<10
S9122689	4550N/1850E	<10	10	<10
S9122690	4550N/1900E	<10	10	<10
S9122691	4550N/1950E	<10	10	<10
S9122692	4550N/2000E	<10	10	11

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9122693	2800E/1000N	<10	10	21
S9122694	2800E/1050N	<10	10	48
S9122695	2800E/1100N	<10	10	11
S9122696	2800E/1150N	12	10	13
S9122697	2800E/1200N	<10	10	19
S9122698	2800E/1250N	<10	10	21
S9122699	2800E/1300N	<10	10	36
S9122700	2800E/1350N	<10	10	15
S9122701	2800E/1400N	<10	10	29
S9122702	2800E/1450N	<10	10	28
S9122703	2800E/1500N	<10	10	33
S9122704	2800E/1550N	<10	10	28
S9122705	2800E/1600N	<10	10	38
S9122706	2800E/1650N	<10	10	23
S9122707	2800E/1700N	<10	10	29
S9122708	2800E/1750N	<10	10	21
S9122709	2800E/1800N	<10	10	35
S9122710	2800E/1850N	<10	10	40
S9122711	2800E/1900N	<10	10	18
S9122712	2800E/1950N	<10	10	29
S9122713	2800E/2000N	<10	10	15
S9122714	2800E/2050N	<10	10	16
S9122715	2800E/2100N	<10	10	24
S9122716	2800E/2150N	<10	10	20
S9122717	2800E/2200N	<10	10	33
S9122718	2800E/2250N	<10	10	35
S9122719	2800E/2300N	<10	10	41
S9122720	2800E/2350N	<10	10	29
S9122721	2800E/2400N	<10	10	28
S9122722	2800E/2450N	<10	10	29
S9122723	2800E/2500N	<10	10	55

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)
Hg FLAMELESS AAS

ESTELLA-WD

SMALL SOILS

Job V 91-0403S
Report date 2 OCT 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Ca PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9122588	1000N/2350E	80	156	95	6.9	7	86	<1	14	31	5.08	18	21	17	<4	21	250	1.68	.02	2.34	.02	.01	.36
S9122589	1000N/2375E	68	120	95	1.2	6	97	<1	18	26	4.40	5	16	<5	<4	16	464	1.45	.01	2.39	.01	.01	.31
S9122590	1000N/2400E	60	658	81	5.6	7	61	<1	11	23	4.29	122	30	28	<4	44	353	2.23	.07	2.15	.01	.01	.74
S9122591	1000N/2425E	73	133	83	.4	3	59	<1	11	21	4.92	28	24	<5	4	34	388	2.06	.05	2.06	.01	.01	.58
S9122592	1000N/2450E	53	109	78	1.1	2	74	<1	24	25	3.61	2	20	<5	4	20	912	1.36	.01	1.57	.01	.01	.31
S9122593	1000N/2475E	44	89	66	1.2	9	69	<1	21	25	3.50	<2	20	<5	<4	22	750	1.33	.01	1.57	.01	.01	.34
S9122594	1000N/2500E	45	72	72	1.5	2	84	<1	16	15	2.90	3	12	<5	<4	18	2009	.74	.01	1.15	.02	.01	.18
S9122595	1000N/2525E	39	91	68	1.6	4	73	<1	16	19	3.25	<2	21	<5	<4	21	770	1.15	.01	1.21	.02	.01	.27
S9122596	1000N/2550E	11	30	36	.4	6	52	<1	2	3	2.17	2	9	<5	<4	29	86	.81	.02	.97	.01	.01	.19
S9122597	1000N/2575E	34	60	72	.6	4	69	<1	5	18	3.66	3	17	<5	4	31	137	1.21	.02	1.31	.04	.01	.26
S9122598	1000N/2600E	22	53	58	.6	7	50	<1	3	9	2.91	3	13	<5	<4	24	84	.81	.02	1.17	.01	.01	.20
S9122599	1000N/2625E	39	85	106	.6	13	81	<1	20	19	4.05	3	19	<5	<4	25	1237	1.33	.03	2.01	.03	.01	.27
S9122600	1000N/2650E	17	42	108	<.4	2	113	<1	6	10	3.49	2	10	<5	<4	20	358	.79	.01	1.24	.06	.01	.14
S9122601	1000N/2700E	14	17	34	2.6	8	140	<1	3	4	1.47	<2	<4	<5	<4	9	188	.34	<.01	.80	.03	<.01	.06
S9122602	1000N/2750E	21	16	36	<.4	7	99	<1	8	8	1.73	<2	<4	<5	<4	3	336	.40	<.01	.46	.01	<.01	.05
S9122603	1000N/2800E	14	10	28	<.4	3	56	<1	3	5	1.40	<2	<4	<5	<4	3	113	.23	<.01	.36	.02	<.01	.06
S9122604	1000N/2850E	12	18	34	1.6	5	63	<1	6	4	2.30	<2	5	<5	<4	10	176	.45	<.01	.99	.01	<.01	.08
S9122605	4300N/1050E	6	40	51	<.4	<2	106	<1	5	7	1.40	<2	5	<5	<4	6	256	.73	<.01	1.03	.24	.01	.17
S9122606	4300N/1100E	1	27	19	1.2	5	44	<1	2	5	.85	<2	4	<5	<4	6	36	.57	<.01	.62	.12	<.01	.08
S9122607	4300N/1150E	6	25	23	<.4	6	59	<1	3	6	1.16	<2	5	<5	<4	6	59	.66	<.01	.74	.23	<.01	.12
S9122608	4300N/1200E	1	18	29	1.9	3	62	<1	2	6	.94	<2	5	<5	<4	6	76	.58	<.01	.78	.16	.01	.08
S9122609	4300N/1250E	1	21	22	1.3	3	106	<1	3	6	1.05	<2	5	<5	<4	7	55	.63	.02	1.03	.25	.01	.10
S9122610	4300N/1300E	5	23	28	.7	2	126	<1	3	6	1.02	<2	4	<5	<4	6	211	.51	.02	1.04	.19	.01	.08
S9122611	4300N/1350E	7	22	32	.7	<2	115	<1	3	8	1.03	<2	5	<5	<4	7	85	.53	.02	1.09	.15	.01	.09
S9122612	4300N/1400E	11	31	29	2.4	4	41	<1	4	8	1.28	<2	<4	<5	<4	3	64	.51	<.01	.67	.18	<.01	.09
S9122613	4300N/1450E	7	24	34	.4	5	108	<1	4	9	1.37	<2	6	<5	4	7	199	.67	.01	1.08	.29	.01	.09
S9122614	4300N/1500E	9	64	63	.7	3	63	<1	6	11	1.61	<2	4	<5	<4	5	136	.47	.01	.98	.24	.01	.16
S9122615	4300N/1550E	2	24	25	<.4	6	74	<1	4	9	1.09	<2	4	<5	<4	6	51	.57	.01	1.09	.18	.01	.16
S9122616	4300N/1600E	1	20	25	.5	2	83	<1	3	7	1.09	<2	5	<5	<4	7	112	.48	.01	.91	.12	.01	.14
S9122617	4300N/1650E	3	20	30	<.4	5	96	<1	4	6	1.09	<2	5	<5	<4	8	200	.55	.01	1.11	.09	.01	.08
S9122618	4300N/1700E	4	23	35	<.4	5	131	<1	3	8	1.20	<2	4	<5	<4	7	297	.51	.01	1.23	.33	.01	.10
S9122619	4300N/1750E	8	15	16	.9	3	26	<1	5	8	1.02	<2	<4	<5	<4	3	71	.41	<.01	.45	.14	<.01	.08
S9122620	4300N/1800E	3	13	24	1.4	4	142	<1	3	6	1.01	<2	4	<5	<4	7	78	.43	.02	1.43	.15	.02	.12

LAB NO.	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9122621	4300N/1850E	2	15	20	2.2	2	138	<1	3	7	.99	<2	4	<5	<4	5	209	.38	.02	1.26	.10	.01	.11
S9122622	4300N/1900E	3	11	19	<.4	4	193	<1	2	8	.91	<2	4	<5	<4	5	155	.37	.03	1.56	.14	.02	.15
S9122623	4300N/1950E	3	23	21	.7	2	128	<1	3	7	1.10	<2	4	<5	<4	6	122	.47	.02	1.39	.16	.02	.14
S9122624	4300N/2000E	4	8	20	1.2	3	100	<1	2	5	.90	<2	<4	<5	<4	6	140	.34	.04	1.77	.15	.02	.15
S9122625	4300N/2050E	9	21	27	1.0	<2	89	<1	4	10	1.52	<2	7	<5	<4	6	119	.94	<.01	.98	.25	.01	.14
S9122626	4300N/2100E	3	10	20	.7	4	115	<1	2	4	.78	<2	4	<5	<4	6	94	.44	.01	.86	.09	.01	.09
S9122627	4300N/2150E	11	17	25	.9	<2	83	<1	4	8	1.34	<2	6	<5	<4	6	158	.98	<.01	.91	.36	.01	.11
S9122628	4300N/2200E	31	35	49	1.7	12	54	<1	12	18	2.17	<2	9	<5	<4	6	693	1.52	<.01	.68	.71	.01	.12
S9122629	4300N/2250E	19	38	59	1.5	8	541	<1	10	13	2.44	<2	11	<5	<4	10	209	.92	<.01	1.08	.38	.01	.14
S9122630	4300N/2300E	4	13	32	<.4	5	66	<1	6	4	1.36	<2	5	<5	<4	8	90	.61	<.01	.91	.11	.01	.15
S9122631	4300N/2350E	4	10	36	.8	2	72	<1	4	5	.98	<2	4	<5	<4	5	238	.50	.01	.96	.07	.01	.21
S9122632	4300N/2400E	6	7	38	2.2	8	190	<1	5	14	1.18	<2	5	<5	<4	7	261	.47	.02	1.79	.18	.02	.21
S9122633	4300N/2450E	10	15	37	1.2	6	42	<1	5	8	1.81	<2	8	<5	<4	9	121	1.01	<.01	.80	.03	<.01	.20
S9122634	4300N/2500E	2	8	37	1.6	8	96	<1	1	3	.74	<2	4	<5	<4	2	180	.55	<.01	.70	.11	.01	.13
S9122635	4300N/2550E	1	10	32	<.4	9	99	<1	2	4	.87	<2	4	<5	<4	2	87	.59	.01	.96	.20	.01	.19
S9122636	4300N/2600E	2	10	25	1.7	2	93	<1	3	4	1.10	<2	4	<5	<4	3	65	.93	<.01	1.11	.33	.01	.17
S9122637	4300N/2650E	8	6	26	.6	5	112	<1	4	8	1.09	<2	6	<5	<4	4	50	.83	.01	1.22	.34	.02	.20
S9122638	4300N/2700E	18	5	27	<.4	<2	77	<1	10	14	1.38	<2	5	<5	<4	3	268	.75	<.01	1.09	.47	.01	.36
S9122639	3800N/1000E	12	36	35	.5	4	131	<1	7	14	2.15	<2	5	<5	<4	8	145	.61	.01	1.43	.33	.01	.23
S9122640	3800N/1050E	6	26	27	.4	<2	76	<1	6	9	1.81	<2	6	<5	<4	9	223	.78	<.01	1.06	.30	.01	.16
S9122641	3800N/1100E	9	18	50	.9	10	134	<1	6	13	1.36	<2	4	<5	<4	5	420	.51	.06	2.63	.28	.03	.21
S9122642	3800N/1150E	25	20	37	2.1	2	34	<1	18	20	2.09	<2	7	<5	<4	4	148	1.08	<.01	1.06	.26	.01	.13
S9122643	3800N/1200E	13	23	59	<.4	<2	127	<1	8	17	1.74	<2	6	<5	<4	7	1368	.64	.01	1.48	.38	.01	.33
S9122644	3800N/1250E	4	19	43	.4	<2	124	<1	5	13	1.39	<2	5	<5	<4	7	661	.66	.01	1.23	.23	.01	.21
S9122645	3800N/1300E	6	19	30	.7	<2	74	<1	5	10	1.39	<2	7	<5	<4	6	420	.64	<.01	.72	.18	<.01	.11
S9122646	3800N/1350E	3	12	25	1.8	3	60	<1	3	6	.93	<2	4	<5	<4	5	174	.51	.01	.85	.13	.01	.14
S9122647	3800N/1400E	4	14	39	<.4	14	123	<1	4	15	1.31	<2	4	<5	<4	10	332	.43	.04	2.38	.21	.02	.14
S9122648	3800N/1450E	1	14	36	<.4	5	117	<1	3	7	.97	<2	4	<5	<4	5	717	.42	.01	1.21	.19	.01	.13
S9122649	3800N/1500E	8	18	51	.4	11	103	<1	7	17	1.60	<2	6	<5	<4	8	396	.52	.01	1.34	.12	.01	.14
S9122650	3800N/1550E	9	343	227	1.0	10	129	1	8	15	1.62	<2	6	<5	<4	11	474	.56	.04	2.16	.32	.02	.13
S9122651	3800N/1600E	8	17	39	1.7	13	73	<1	5	14	1.34	<2	5	<5	<4	7	531	.40	.05	1.96	.17	.02	.12
S9122652	3800N/1650E	27	63	66	.6	3	62	<1	23	29	2.18	<2	8	<5	<4	3	1211	1.47	<.01	.86	1.81	<.01	.08
S9122653	3800N/1700E	5	24	83	.5	7	110	<1	5	9	1.30	<2	5	<5	<4	7	761	.48	.01	1.05	.12	.01	.13
S9122654	3800N/1750E	4	19	40	1.3	12	125	<1	6	19	1.31	<2	5	<5	<4	8	865	.45	.02	1.63	.13	.01	.11
S9122655	3800N/1800E	5	18	38	.9	5	68	<1	5	12	1.10	<2	<4	<5	<4	5	351	.47	.01	1.12	.17	.01	.16
S9122656	3800N/1850E	4	20	57	1.5	6	131	<1	7	18	1.32	<2	5	<5	<4	6	945	.45	.03	1.69	.17	.02	.13

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cb	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
S9122657	3B00N/1900E	3	11	55	<.4	2	114	<1	3	13	.95	<2	4	<5	<4	4	608	.38	.04	1.63	.24	.02	.18
S9122658	3B00N/1950E	7	26	33	1.5	<2	192	<1	5	16	1.37	<2	6	<5	<4	8	103	.61	.02	1.81	.19	.02	.13
S9122659	3B00N/2000E	7	26	36	.8	5	176	<1	4	11	1.03	<2	4	<5	<4	6	108	.51	.03	1.67	.20	.02	.14
S9122660	3B00N/2050E	12	22	38	1.4	4	96	<1	6	9	1.52	<2	6	<5	<4	5	273	.71	<.01	.73	.28	.01	.30
S9122661	3B00N/2100E	8	30	23	1.4	6	87	<1	5	9	1.25	<2	5	<5	<4	8	148	.39	.03	1.84	.18	.02	.13
S9122662	3B00N/2150E	7	14	33	1.4	6	119	<1	5	9	1.01	<2	4	<5	<4	6	413	.39	.02	1.50	.23	.02	.15
S9122663	3B00N/2200E	3	13	30	1.4	2	182	<1	2	4	.77	<2	4	<5	<4	4	468	.39	.01	1.11	.21	.01	.25
S9122664	3B00N/2250E	4	16	27	<.4	4	125	<1	4	6	1.33	<2	6	<5	<4	7	124	.53	.01	1.07	.07	.01	.15
S9122665	3B00N/2300E	40	38	68	1.4	10	101	<1	11	16	2.09	<2	8	<5	<4	7	689	.94	.01	.77	.81	.01	.14
S9122666	3B00N/2350E	19	21	30	1.7	5	77	<1	5	9	1.30	<2	6	<5	<4	5	177	.68	<.01	.56	.20	<.01	.13
S9122667	3B00N/2400E	16	28	50	<.4	15	291	<1	12	9	1.69	5	13	<5	<4	6	989	1.32	<.01	.79	1.11	.01	.08
S9122668	3B00N/2450E	3	13	23	.9	4	178	<1	4	2	.84	<2	4	<5	<4	6	399	.48	<.01	.92	.09	.01	.09
S9122669	3B00N/2500E	4	7	40	.9	<2	292	<1	3	5	.76	<2	<4	<5	<4	5	450	.40	.01	1.29	.08	.01	.12
S9122670	3B00N/2550N	5	16	40	1.2	3	202	<1	5	6	1.10	<2	5	<5	<4	6	407	.58	.01	.93	.09	.01	.18
S9122671	3B00N/2600E	3	13	21	1.6	2	77	<1	3	4	.84	<2	4	<5	<4	4	112	.58	<.01	.65	.09	.01	.15
S9122672	3B00N/2650E	1	13	31	1.5	<2	176	<1	3	5	.81	<2	<4	<5	<4	4	374	.49	.01	.95	.16	.01	.13
S9122673	3B00N/2700E	2	8	32	<.4	6	295	<1	3	8	.90	<2	<4	<5	<4	6	524	.38	.02	1.66	.14	.01	.13
S9122674	3B00N/2750E	4	13	35	1.0	8	191	<1	4	8	1.06	<2	4	<5	<4	6	352	.41	.03	1.71	.09	.01	.12
S9122675	4550N/1150E	2	20	28	<.4	4	95	<1	3	4	.96	<2	4	<5	<4	6	247	.71	<.01	.78	.26	.01	.16
S9122676	4550N/1200E	2	31	149	2.0	<2	115	<1	2	2	.79	<2	4	<5	<4	4	445	.51	.01	.87	.16	.01	.17
S9122677	4550N/1250E	1	64	389	.4	<2	123	<1	2	3	.76	<2	4	<5	<4	6	177	.48	.01	.91	.19	.01	.08
S9122678	4550N/1300E	4	29	36	<.4	<2	71	<1	3	6	.82	<2	4	<5	<4	6	68	.54	.01	.80	.18	.01	.14
S9122679	4550N/1350E	3	37	33	2.3	3	77	<1	3	5	1.04	<2	4	<5	<4	4	86	.54	<.01	.62	.17	<.01	.12
S9122680	4550N/1400E	4	51	35	.5	7	83	<1	3	4	.94	<2	4	<5	<4	4	111	.56	<.01	.64	.21	<.01	.10
S9122681	4550N/1450E	1	23	28	1.6	4	108	<1	2	2	.69	<2	<4	<5	<4	3	253	.40	<.01	.74	.13	.01	.09
S9122682	4550N/1500E	1	24	49	1.3	<2	105	<1	3	4	.91	<2	<4	<5	<4	4	166	.56	<.01	.81	.24	.01	.16
S9122683	4550N/1550E	<1	14	31	.6	4	103	<1	2	3	.66	<2	<4	<5	<4	5	164	.44	.01	.78	.10	.01	.08
S9122684	4550N/1600E	2	15	34	.4	<2	115	<1	1	3	.57	2	<4	<5	<4	3	286	.36	.01	.86	.15	.01	.09
S9122685	4550N/1650E	3	90	30	1.5	<2	109	<1	3	4	1.05	<2	4	<5	<4	6	306	.56	.01	1.02	.24	.01	.12
S9122686	4550N/1700E	4	12	25	2.0	3	51	<1	3	8	1.03	<2	<4	<5	<4	4	113	.51	.02	1.32	.30	.02	.14
S9122687	4550N/1750E	4	17	20	<.4	4	51	<1	2	4	.82	<2	4	<5	<4	4	388	.50	.01	.84	.11	.01	.09
S9122688	4550N/1800E	3	19	22	<.4	3	84	<1	2	3	.81	<2	<4	<5	<4	3	229	.45	<.01	.72	.11	.01	.10
S9122689	4550N/1850E	2	14	22	<.4	9	113	<1	4	5	1.26	<2	5	<5	<4	4	203	.73	<.01	.85	.19	.01	.16
S9122690	4550N/1900E	4	16	20	.5	3	78	<1	3	5	.93	<2	4	<5	<4	4	66	.67	<.01	.75	.15	.01	.07
S9122691	4550N/1950E	2	11	28	1.8	2	125	<1	2	3	.86	<2	<4	<5	<4	5	327	.37	.01	1.17	.11	.01	.10
S9122692	4550N/2000E	4	11	52	<.4	5	195	<1	3	8	1.00	<2	5	<5	<4	6	884	.34	.03	1.89	.16	.01	.13

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Ca PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Ca PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9122693	2800E/1000N	12	20	29	1.9	5	89	<1	5	4	2.06	<2	6	<5	<4	9	80	.52	<.01	.80	.02	<.01	.09
S9122694	2800E/1050N	16	24	36	1.7	4	79	<1	6	8	2.11	2	5	<5	<4	9	111	.53	<.01	1.21	.02	<.01	.11
S9122695	2800E/1100N	6	20	31	.5	<2	100	<1	6	6	1.96	<2	5	<5	<4	7	208	.39	<.01	1.04	.01	<.01	.08
S9122696	2800E/1150N	20	39	23	2.4	2	131	<1	13	7	1.33	<2	<4	<5	<4	2	441	.44	<.01	.39	.14	<.01	.06
S9122697	2800E/1200N	14	29	56	1.1	6	185	<1	10	11	2.14	<2	6	<5	<4	14	732	.53	.01	1.61	.02	<.01	.11
S9122698	2800E/1250N	9	25	44	<.4	<2	174	<1	9	13	2.09	3	10	<5	<4	13	140	.65	.01	1.39	.02	.02	.16
S9122699	2800E/1300N	13	13	55	<.4	<2	204	<1	10	16	1.70	<2	5	<5	<4	14	118	.58	.05	2.08	.13	.02	.14
S9122700	2800E/1350N	16	27	54	<.4	<2	213	<1	12	14	1.87	<2	7	<5	<4	13	280	.67	.02	1.42	.02	.02	.12
S9122701	2800E/1400N	8	29	94	<.4	<2	311	<1	14	10	1.82	<2	6	<5	<4	16	1440	.48	.04	1.50	.06	.02	.14
S9122702	2800E/1450N	13	30	117	<.4	<2	170	<1	17	16	1.77	<2	6	<5	<4	14	1115	.61	.04	1.54	.15	.02	.12
S9122703	2800E/1500N	14	15	73	<.4	<2	182	<1	11	16	1.68	<2	7	<5	<4	15	398	.52	.08	2.78	.14	.02	.14
S9122704	2800E/1550N	18	<4	58	<.4	<2	220	<1	7	15	1.60	<2	7	<5	<4	15	148	.43	.11	4.14	.16	.03	.08
S9122705	2800E/1600N	22	19	81	<.4	<2	200	<1	10	18	1.57	<2	7	<5	<4	12	390	.83	.08	2.57	.12	.03	.11
S9122706	2800E/1650N	27	23	117	<.4	<2	340	<1	22	16	2.06	<2	8	<5	<4	12	1305	.93	.01	1.80	.11	.02	.17
S9122707	2800E/1700N	26	42	68	<.4	<2	417	<1	17	15	1.89	<2	9	<5	<4	15	2284	.67	.01	1.42	.05	.02	.14
S9122708	2800E/1750N	8	30	86	.9	<2	140	<1	7	7	1.79	<2	8	<5	<4	16	462	.46	.01	1.12	.02	.02	.09
S9122709	2800E/1800N	12	20	101	<.4	4	206	<1	8	12	1.52	<2	6	<5	<4	12	425	.40	.09	2.95	.14	.03	.08
S9122710	2800E/1850N	19	49	88	<.4	<2	491	<1	12	15	1.65	<2	7	<5	<4	11	481	.92	.02	1.76	.10	.02	.20
S9122711	2800E/1900N	24	19	49	<.4	<2	61	<1	5	9	1.52	<2	11	<5	<4	12	110	1.38	.01	.90	.06	.02	.27
S9122712	2800E/1950N	14	23	74	<.4	<2	181	<1	11	12	1.49	<2	7	<5	<4	12	340	.50	.03	1.99	.10	.02	.10
S9122713	2800E/2000N	12	17	33	<.4	<2	86	<1	5	8	1.31	<2	7	<5	<4	8	159	.62	<.01	.88	.08	.02	.08
S9122714	2800E/2050N	9	18	28	<.4	<2	60	<1	4	7	1.14	<2	4	<5	<4	4	131	.53	<.01	.83	.01	.02	.09
S9122715	2800E/2100N	6	16	101	<.4	7	181	<1	9	10	1.47	<2	5	<5	<4	14	580	.31	.08	2.84	.10	.03	.10
S9122716	2800E/2150N	7	20	43	<.4	<2	100	<1	7	9	1.08	<2	5	<5	<4	7	227	.60	<.01	1.01	.03	.02	.07
S9122717	2800E/2200N	13	23	62	<.4	<2	123	<1	9	10	1.41	<2	7	<5	<4	12	228	.65	.01	1.42	.05	.02	.10
S9122718	2800E/2250N	12	31	98	<.4	<2	201	<1	12	13	1.61	<2	6	<5	<4	17	1455	.43	.06	2.64	.14	.03	.09
S9122719	2800E/2300N	17	30	79	<.4	<2	127	<1	13	11	1.65	<2	7	<5	<4	16	649	.42	.06	2.21	.04	.02	.09
S9122720	2800E/2350N	14	32	68	<.4	<2	125	<1	9	8	1.25	<2	5	<5	<4	12	265	.59	.03	1.58	.08	.02	.07
S9122721	2800E/2400N	20	55	79	<.4	<2	140	<1	16	15	1.88	<2	8	<5	<4	13	470	.68	.01	1.39	.18	.02	.10
S9122722	2800E/2450N	9	32	90	<.4	<2	170	<1	11	10	1.37	<2	5	<5	<4	6	562	.50	.01	.98	.06	.02	.09
S9122723	2800E/2500N	16	100	125	.6	<2	210	<1	16	13	1.55	3	7	<5	<4	15	593	.53	.06	2.09	.23	.02	.11

-=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

ESTELLA-ND

SMALL SOILS

JOB # 91-0465
REPORT DATE 3 OCT 1991

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9123247	4050N/1200E	<10	10	28
S9123248	4050N/1250E	<10	10	<10
S9123249	4050N/1300E	<10	10	<10
S9123250	4050N/1350E	<10	10	15
S9123251	4050N/1400E	<10	10	22
S9123252	4050N/1450E	<10	10	<10
S9123253	4050N/1500E	<10	10	17
S9123254	4050N/1550E	<10	10	19
S9123255	4050N/1050E	<10	10	20
S9123256	4050N/1100E	<10	10	23
S9123257	4050N/1150E	<10	10	28
S9123258	4050N/1600E	<10	10	25
S9123259	4050N/1650E	<10	10	<10
S9123260	4050N/1700E	<10	10	<10
S9123261	4050N/1750E	<10	10	<10
S9123262	4050N/1800E	<10	10	<10
S9123263	4050N/1850E	<10	10	<10
S9123264	4050N/1900E	<10	10	<10
S9123265	4050N/1950E	<10	10	<10
S9123266	4050N/2000E	<10	10	<10
S9123267	4050N/2050E	<10	10	<10
S9123268	4050N/2100E	<10	10	<10
S9123269	4050N/2150E	<10	10	15
S9123270	4050N/2200E	<10	10	<10
S9123271	4050N/2250E	<10	10	<10
S9123272	4050N/2350E	30	10	<10
S9123273	4050N/2400E	<10	10	48
S9123274	4050N/2500E	<10	10	22
S9123275	4050N/2550E	<10	10	12
S9123276	4050N/2600E	<10	10	25
S9123277	4050N/2650E	<10	10	40
S9123278	4050N/2700E	60	10	10
S9123279	4050N/2750E	<10	10	40
S9123280	1000N/1575E	<10	10	10
S9123281	1000N/1600E	<10	10	22
S9123282	1000N/1625E	<10	10	17
S9123283	1000N/1650E	<10	10	19
S9123284	1000N/1675E	<10	10	26
S9123285	1000N/1700E	<10	10	67
S9123286	1000N/1725E	<10	10	<10
S9123287	1000N/1750E	<10	10	33
S9123288	1000N/1775E	<10	10	46
S9123289	1000N/1800E	20	10	39
S9123290	1000N/1825E	38	10	50
S9123291	1000N/1850E	18	10	160
S9123292	1000N/1875E	<10	10	50
S9123293	1000N/1900E	22	10	19
S9123294	1000N/1925E	15	10	29
S9123295	1000N/2000E	12	10	33
S9123296	1000N/2025E	<10	10	17
S9123297	1000N/2050E	10	10	33

LAB NO	FIELD NUMBER	Au PPB	Wt Au GRAM	Hg PPB
S9123298	1000N/2075E	19	10	34
S9123299	1000N/2100E	<10	10	65
S9123300	1000N/2125E	<10	10	33
S9123301	1000N/2150E	<10	10	26
S9123302	1000N/2175E	<10	10	41
S9123303	1000N/2200E	<10	10	42
S9123304	1000N/2225E	<10	10	33
S9123305	1000N/2250E	<10	10	23
S9123306	1000N/2275E	<10	10	50
S9123307	1000N/2300E	<10	10	25
S9123308	1000N/2325E	<10	10	46
S9123309	1000E/3500N	20	10	15
S9123310	1000E/3550N	<10	10	<10
S9123311	1000E/3600N	<10	10	10
S9123312	1000E/3650N	<10	10	<10
S9123313	1000E/3700N	<10	10	<10
S9123314	1000E/3750N	40	10	<10
S9123315	1000E/3800N	15	10	<10
S9123316	1000E/3850N	<10	10	<10
S9123317	1000E/3900N	<10	10	<10
S9123318	1000E/3950N	<10	10	<10
S9123319	1000E/4000N	<10	10	<10
S9123320	1000E/4050N	<10	10	<10
S9123321	1000E/4100N	<10	10	<10
S9123322	1000E/4150N	<10	10	<10
S9123323	1000E/4200N	<10	10	17
S9123324	1000E/4250N	<10	10	<10
S9123325	1000E/4300N	<10	10	<10
S9123326	1000E/4350N	<10	10	10
S9123327	1000E/4400N	<10	10	<10
S9123328	1000E/4450N	<10	10	17
S9123329	1000E/4500N	<10	10	25
S9123330	1000E/4550N	22	10	<10

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN ,RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Au Aqua regia decomposition / solvent extraction / AAS
Wt Au The weight of sample taken to analyse for gold (geochem)
Hg Flameless AAS

ESTELLA-WD

SMALL SOILS

Job V 91-0416S
Report date 2 OCT 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9123247	4050N/1200E	5	15	39	<.4	<2	164	<1	4	7	.97	<2	5	<5	<4	6	756	.48	.02	1.45	.22	.02	.16
S9123248	4050N/1250E	6	31	51	<.4	<2	213	<1	7	16	1.49	<2	7	<5	<4	8	403	.49	.03	1.77	.35	.03	.21
S9123249	4050N/1300E	2	15	29	1.1	<2	81	<1	3	8	1.02	<2	5	<5	<4	7	291	.56	.01	.82	.18	.02	.10
S9123250	4050N/1350E	4	17	28	<.4	<2	95	<1	2	6	.88	<2	5	<5	<4	7	327	.50	<.01	.73	.20	.02	.09
S9123251	4050N/1400E	6	22	31	<.4	<2	119	<1	4	11	1.19	<2	5	<5	<4	7	114	.44	.01	1.12	.20	.02	.11
S9123252	4050N/1450E	6	28	59	<.4	<2	175	<1	6	15	1.09	<2	5	<5	<4	8	816	.38	.03	1.63	.22	.03	.19
S9123253	4050N/1500E	12	32	50	<.4	2	112	<1	10	12	1.48	<2	5	<5	<4	7	930	.49	.01	1.28	.28	.02	.09
S9123254	4050N/1550E	11	27	41	.5	<2	117	<1	8	16	1.51	<2	4	<5	<4	6	298	.45	.01	1.12	.26	.02	.14
S9123255	4050N/1050E	46	36	90	<.4	6	67	<1	16	27	3.00	2	7	<5	<4	5	726	.66	<.01	.90	1.56	.01	.18
S9123256	4050N/1100E	4	20	29	<.4	<2	97	<1	6	8	1.10	<2	6	<5	<4	6	372	.63	<.01	.83	.36	.02	.14
S9123257	4050N/1150E	6	17	28	<.4	<2	70	<1	4	9	1.17	<2	8	<5	<4	7	315	.62	<.01	.75	.26	.02	.13
S9123258	4050N/1600E	8	10	57	<.4	5	114	<1	6	24	1.39	<2	5	<5	<4	12	303	.50	.05	1.83	.26	.03	.10
S9123259	4050N/1650E	4	24	33	.4	<2	149	<1	6	19	1.19	<2	5	<5	<4	8	134	.41	.03	1.80	.21	.03	.11
S9123260	4050N/1700E	12	23	20	<.4	<2	53	<1	6	10	1.11	<2	<4	<5	<4	5	234	.40	<.01	.66	.09	.02	.06
S9123261	4050N/1750E	5	18	36	<.4	<2	95	<1	3	11	1.06	<2	6	<5	<4	7	89	.46	.02	1.38	.22	.02	.16
S9123262	4050N/1800E	5	16	29	.5	<2	186	<1	4	14	1.12	<2	5	<5	<4	10	155	.45	.04	1.96	.17	.03	.09
S9123263	4050N/1850E	7	15	52	<.4	<2	145	<1	6	10	1.23	<2	6	<5	<4	6	571	.61	<.01	1.00	.18	.02	.14
S9123264	4050N/1900E	4	14	27	<.4	<2	128	<1	3	10	1.17	<2	7	<5	<4	10	237	.45	.03	1.70	.15	.03	.14
S9123265	4050N/1950E	3	12	29	.5	<2	176	<1	4	12	1.04	<2	5	<5	<4	9	154	.49	.02	1.61	.19	.03	.10
S9123266	4050N/2000E	3	8	25	<.4	<2	60	<1	3	6	1.01	<2	5	<5	<4	7	205	.59	<.01	.72	.12	.02	.13
S9123267	4050N/2050E	3	<4	26	<.4	<2	185	<1	2	8	.82	<2	5	<5	<4	5	265	.40	.02	1.54	.20	.03	.24
S9123268	4050N/2100E	9	8	32	<.4	<2	89	<1	4	9	1.26	<2	6	<5	<4	6	275	.69	<.01	.88	.26	.02	.20
S9123269	4050N/2150E	9	4	27	.6	<2	107	<1	2	7	.80	<2	<4	<5	<4	6	393	.29	.03	1.74	.22	.04	.17
S9123270	4050N/2200E	3	9	49	<.4	<2	219	<1	3	8	.95	<2	4	<5	<4	6	300	.38	.02	1.45	.18	.03	.17
S9123271	4050N/2250E	5	14	29	<.4	<2	137	<1	3	6	.88	<2	4	<5	<4	4	232	.40	.01	1.09	.19	.03	.14
S9123272	4050N/2350E	26	29	40	<.4	<2	52	<1	10	14	1.78	<2	10	<5	<4	6	461	1.36	<.01	.51	1.04	.02	.07
S9123273	4050N/2400E	29	33	27	<.4	<2	1567	<1	12	15	2.21	<2	21	<5	<4	12	421	1.00	<.01	1.21	.22	.02	.09
S9123274	4050N/2500E	5	10	17	<.4	<2	96	<1	3	5	1.04	<2	5	<5	<4	6	71	.56	<.01	.46	.13	.02	.14
S9123275	4050N/2550E	3	9	29	<.4	<2	349	<1	2	7	.86	<2	5	<5	<4	6	250	.39	.02	1.49	.21	.03	.14
S9123276	4050N/2600E	3	4	15	<.4	<2	166	<1	2	5	.68	<2	<4	<5	<4	4	139	.41	.01	1.05	.17	.03	.14
S9123277	4050N/2650E	<1	9	14	<.4	<2	121	<1	1	5	.74	<2	4	<5	<4	4	169	.43	.01	.92	.18	.02	.16
S9123278	4050N/2700E	3	4	13	<.4	<2	137	<1	2	5	.74	<2	4	<5	<4	5	104	.40	.01	1.06	.19	.03	.15
S9123279	4050N/2750E	4	7	13	<.4	2	294	<1	2	7	.77	<2	5	<5	<4	6	194	.33	.02	1.37	.12	.03	.10

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Ba PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Mo PPM	Cr PPM	Bi PPM	Sb PPM	V PPM	Mn PPM	Mg %	Ti %	Al %	Ca %	Na %	K %
S9123280	1000N/1575E	58	12	123	<.4	<2	147	<1	22	36	3.67	<2	27	<5	<4	45	927	2.96	.12	2.47	.11	.02	.76
S9123281	1000N/1600E	13	21	40	<.4	<2	50	<1	2	19	2.10	<2	25	<5	<4	42	92	1.46	.07	1.10	.01	.02	.23
S9123282	1000N/1625E	39	42	87	<.4	<2	56	<1	11	23	3.63	3	18	<5	<4	30	259	1.41	.04	1.72	.03	.02	.16
S9123283	1000N/1650E	38	33	80	<.4	<2	49	<1	8	17	3.63	4	22	<5	<4	37	304	1.42	.06	2.26	.03	.02	.14
S9123284	1000N/1675E	49	50	108	<.4	4	57	<1	18	26	3.46	<2	18	<5	<4	53	252	1.50	.12	2.44	.03	.02	.13
S9123285	1000N/1700E	51	50	80	<.4	3	65	<1	17	16	3.48	4	16	<5	<4	37	738	1.30	.06	2.15	.04	.02	.20
S9123286	1000N/1725E	16	39	44	<.4	6	29	<1	3	7	2.75	2	7	<5	<4	33	89	.63	.01	1.24	<.01	.02	.09
S9123287	1000N/1750E	26	78	99	<.4	17	47	<1	10	12	3.36	<2	12	<5	<4	56	194	1.37	.04	2.32	.02	.02	.09
S9123288	1000N/1775E	42	96	109	<.4	23	77	1	12	16	3.18	<2	10	<5	<4	23	161	.89	<.01	2.30	.02	.02	.13
S9123289	1000N/1800E	100	74	99	2.6	<2	197	<1	36	29	6.50	<2	21	<5	<4	27	1034	1.77	.01	1.77	.08	.02	.33
S9123290	1000N/1825E	92	317	145	<.4	<2	168	<1	32	35	5.37	7	23	<5	<4	40	1512	1.97	.02	1.78	.08	.02	.40
S9123291	1000N/1850E	124	615	283	1.3	<2	468	2	42	45	6.32	4	21	9	<4	35	3737	1.94	.02	1.98	.17	.02	.28
S9123292	1000N/1875E	31	87	67	<.4	<2	129	<1	12	12	4.18	<2	11	<5	<4	26	515	.62	<.01	1.36	.06	.02	.09
S9123293	1000N/1900E	96	382	190	<.4	<2	154	<1	17	27	4.71	6	29	<5	<4	41	681	2.06	.08	1.71	.09	.02	.13
S9123294	1000N/1925E	72	350	216	<.4	5	297	2	59	71	5.95	<2	27	<5	<4	58	2783	3.56	.16	2.76	.29	.01	1.84
S9123295	1000N/2000E	61	139	202	<.4	<2	212	1	20	42	5.71	4	29	<5	<4	47	1680	2.63	.08	1.72	.21	.02	.57
S9123296	1000N/2025E	52	146	173	<.4	<2	76	<1	17	40	4.28	5	34	<5	<4	49	591	2.87	.11	2.11	.11	.02	.44
S9123297	1000N/2050E	101	278	151	<.4	<2	233	1	39	98	4.32	6	116	<5	<4	55	1273	2.62	.10	1.91	.31	.02	.32
S9123298	1000N/2075E	136	422	193	<.4	3	382	1	55	248	5.96	6	321	<5	<4	122	1947	3.70	.26	2.48	.57	.01	2.67
S9123299	1000N/2100E	220	276	561	<.4	<2	196	7	70	65	8.57	11	30	<5	<4	33	1518	2.38	.04	1.25	1.53	.01	.31
S9123300	1000N/2125E	103	211	295	<.4	<2	229	2	35	56	5.52	3	44	<5	<4	29	951	1.64	.04	1.56	4.16	.02	.15
S9123301	1000N/2150E	129	105	184	<.4	<2	67	<1	32	80	7.29	<2	119	<5	<4	70	543	2.49	.05	2.23	.14	.02	.18
S9123302	1000N/2175E	84	125	153	<.4	<2	46	<1	24	66	4.53	3	103	<5	<4	60	401	2.24	.06	2.36	.12	.02	.21
S9123303	1000N/2200E	110	544	133	<.4	<2	47	<1	31	24	5.37	5	13	<5	<4	21	978	.99	<.01	1.63	.02	.02	.14
S9123304	1000N/2225E	34	70	53	<.4	5	27	<1	5	12	4.78	4	18	<5	<4	42	145	1.26	.03	1.69	.01	.02	.18
S9123305	1000N/2250E	16	19	47	<.4	<2	30	<1	2	9	2.93	12	18	<5	<4	50	129	1.36	.06	1.09	.01	.02	.20
S9123306	1000N/2275E	17	22	76	<.4	4	43	<1	7	14	3.23	4	17	<5	<4	31	104	.93	.06	3.39	.03	.02	.10
S9123307	1000N/2300E	21	44	75	<.4	9	38	<1	6	19	3.81	5	35	<5	<4	48	190	1.79	.12	2.04	.04	.02	.24
S9123308	1000N/2325E	44	33	88	<.4	10	71	<1	9	19	5.69	3	27	<5	<4	36	188	1.50	.08	2.31	.02	.02	.29
S9123309	1000E/3500N	30	18	40	<.4	<2	90	<1	11	12	1.72	<2	7	<5	<4	10	395	.51	.02	1.47	.21	.02	.11
S9123310	1000E/3550N	6	8	42	<.4	<2	57	<1	6	7	1.53	<2	8	<5	<4	12	246	.34	.10	3.29	.34	.03	.08
S9123311	1000E/3600N	7	19	47	<.4	<2	121	<1	7	10	1.62	<2	6	<5	<4	12	419	.42	.06	3.05	.51	.04	.08
S9123312	1000E/3650N	7	23	29	<.4	<2	139	<1	6	9	1.34	<2	8	<5	<4	8	154	.58	.01	1.07	.12	.02	.08
S9123313	1000E/3700N	3	18	20	.8	<2	74	<1	4	5	.99	<2	5	<5	<4	7	411	.42	<.01	.91	.09	.02	.11
S9123314	1000E/3750N	16	24	45	<.4	<2	149	<1	9	15	2.21	<2	5	<5	<4	8	333	.46	.01	1.49	.42	.02	.16
S9123315	1000E/3800N	4	22	38	<.4	<2	95	<1	5	11	1.43	<2	5	<5	<4	9	86	.38	.07	3.16	.30	.04	.12

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Mn	Mg	Ti	Al	Ca	Na	K
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%	%	%
S9123316	1000E/3850N	17	33	76	<.4	5	166	<1	11	14	1.63	<2	5	<5	<4	7	962	.50	.02	1.51	.81	.03	.22
S9123317	1000E/3900N	15	20	62	<.4	<2	133	<1	8	12	1.65	<2	4	<5	<4	5	195	.46	.03	2.11	.40	.04	.28
S9123318	1000E/3950N	30	46	85	<.4	<2	71	<1	9	18	2.06	<2	6	<5	<4	6	376	.74	<.01	1.14	.42	.01	.34
S9123319	1000E/4000N	3	17	48	<.4	<2	173	<1	2	9	.92	<2	4	<5	<4	4	227	.42	.03	1.77	.22	.04	.13
S9123320	1000E/4050N	9	49	61	.8	4	62	<1	5	12	1.41	<2	<4	<5	<4	7	115	.59	.01	1.08	.21	.01	.12
S9123321	1000E/4100N	5	13	52	.4	<2	99	<1	4	11	1.25	<2	<4	<5	<4	7	107	.55	.02	1.36	.33	.02	.28
S9123322	1000E/4150N	3	15	33	.5	<2	71	<1	2	5	1.20	<2	<4	<5	<4	8	77	.65	.01	.80	.16	.01	.13
S9123323	1000E/4200N	5	18	40	1.2	<2	93	<1	3	9	1.58	<2	4	<5	<4	8	313	.65	.01	1.37	.23	.01	.22
S9123324	1000E/4250N	18	33	33	<.4	<2	65	<1	6	13	1.96	<2	5	<5	<4	8	156	.99	<.01	.96	.41	<.01	.28
S9123325	1000E/4300N	8	37	93	1.5	5	118	<1	4	9	1.67	<2	<4	<5	<4	5	331	.68	.01	1.07	.29	.01	.34
S9123326	1000E/4350N	14	56	46	.6	3	63	<1	6	11	1.75	<2	<4	<5	<4	5	293	1.34	<.01	.84	.88	<.01	.17
S9123327	1000E/4400N	4	33	53	<.4	<2	133	<1	5	10	1.65	<2	4	<5	<4	9	337	.68	.01	1.28	.26	.01	.20
S9123328	1000E/4450N	4	28	199	<.4	<2	107	<1	2	6	1.38	<2	<4	<5	<4	6	254	.55	.02	1.14	.23	.01	.27
S9123329	1000E/4500N	5	24	27	2.4	<2	99	<1	2	7	1.34	<2	4	<5	<4	9	85	.68	.01	1.09	.20	.01	.15
S9123330	1000E/4550N	9	35	28	.7	<2	132	<1	6	9	1.63	<2	<4	5	<4	7	180	.82	<.01	1.30	.29	.01	.23

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS
ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).

COMINCO LTD.

EXPLORATION

WESTERN CANADA

NTS: 82G/13

GEOPHYSICAL REPORT

ON

UTEM SURVEYS

ON THE ESTELLA PROPERTY

FORT STEELE M.D., B.C.

- ASSESSMENT REPORT -

Latitude : 49°46'N

Longitude : 115°36'W

TIME PERIOD OF FIELD WORK : JUNE 15-23, 1991

WORK PERFORMED BY : J.J. LAJOIE & I.JACKISCH

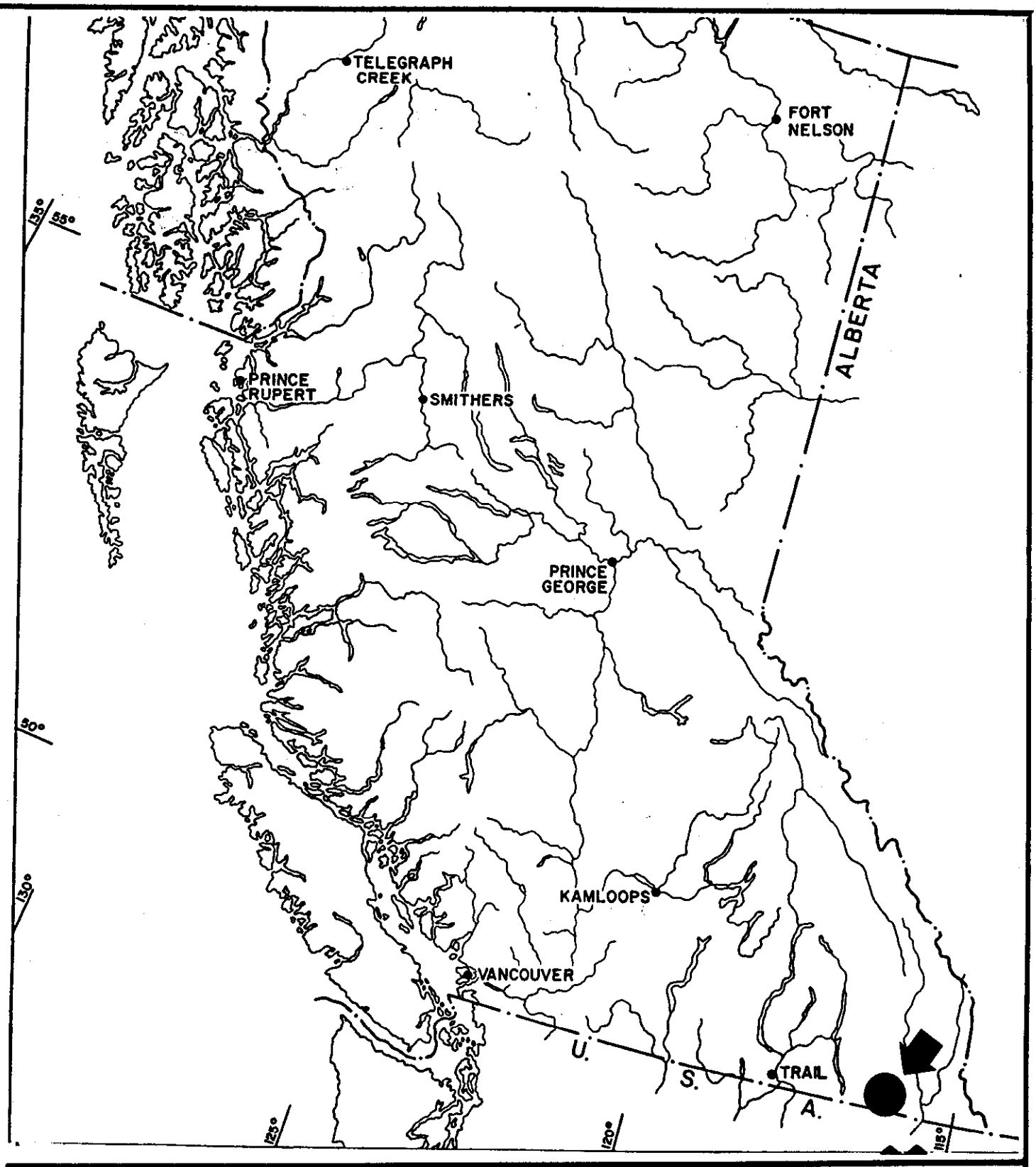
CLAIMS COVERED : EHLINGER CROWN GRANT NOS. 14293,14294,14295,4828
14986,14987,14988,14990,14991,14992,14993,14996

COMINCO LTD. CLAIM NOS. STEL 2,3,19,20,21,22,
LEWIS 22

CLAIM OPERATOR : COMINCO LTD.

OCTOBER 1991

INGO JACKISCH



ESTELLA PROPERTY

Cominco

NTS 82G/13

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

LOCATION MAP

Scale:

Date: NOV. 1991

Plate: 392-91-01

210-0620

TABLE OF CONTENTS

COMINCO LTD.

EXPLORATION WESTERN CANADA
NTS: 82G/13

GEOPHYSICAL REPORT ON A UTEM SURVEY ON THE ESTELLA PROPERTY FORT STEELE M.D.,B.C.

- ASSESSMÉNT REPORT -

INTRODUCTION

During the time period June 15 - 23, 1991, 22.75 kms of UTEM surveying was carried out on the ESTELLA Property by a COMINCO geophysical crew under the direction of geophysicists, J.J. Lajoie and I. Jackisch. The purpose of the UTEM survey was to search for Zn/Pb Sullivan-type deposits at depth.

The 1991 work is the third season of geophysical surveying carried out on the Estella Property by Cominco Ltd. in an on-going, comprehensive exploration program.

This report describes the operation of the UTEM system, the UTEM plotting format, and presents the results.

LOCATION AND ACCESS

The ESTELLA Property is located 28 kms east-north-east of Kimberley, B.C., and 17 kms north of Ft. Steele, B.C. Access is from a gravel road which begins just east of of Wasa and generally follows Lewis Creek up into the mountains.

LIST OF CLAIMS SURVEYED

The following list of claims were covered by UTEM surveying:

EHLINGER CROWN GRANTS 14293,14294 14295,14986,14987,14988,14990, 14991,14992,14993,14995,14996,and 4828
COMINCO LTD. CLAIM NOS. STEL 2,3,19,20,21,22, and LEWIS 22

DESCRIPTION OF THE UTEM SYSTEM AND FIELD PROCEDURE

Utem is an acronym for "University of Toronto Electro-Magnetometer". Dr. Y. Lamontagne [1975] developed the system as part of his doctoral thesis at that university.

The field procedure consists of first laying out a large transmitter loop of single strand, enamel insulated copper wire. Survey lines are usually oriented perpendicular to one side of

the loop and surveying can be performed both inside and outside the loop.

The UTEM III transmitter energizes the loop with a precise triangular waveform at a carefully controlled base frequency [30.974 Hz for this survey]. Power is supplied by a 2200W motor generator. The UTEM III receiver system includes a sensor coil and backpack portable receiver which has a digital recording facility on solid state memory and backup cassette magnetic tape. Time synchronization between transmitter and receiver is achieved through quartz crystal clocks in both units, accurate to about one second in 50 years.

The receiver sensor coil measures one or more components of the electromagnetic field and responds to its time derivative. In this survey, only the vertical component was measured. Since the transmitter current waveform is triangular, the coil will sense a perfect square wave in the absence of conductors. In the presence of electrical conductors, which may be geologic or cultural in origin, deviations from the perfect square wave are observed. The receiver stacks any pre-set number of cycles to increase the signal to noise ratio.

The UTEM receiver samples each half cycle of the waveform in ten channels or time windows. The delay time of each channel is equal to the width of the time window over which the signal is averaged. For a standard 30 Hz transmitted signal the delay times range from 16 microseconds for channel 10, to 8.33 milliseconds for channel 1. Therefore, the higher numbered channels [7-10] correspond to short time or high frequency while the lower numbered channels [1-4] correspond to late time or low frequency. Poor and/or small conductors will respond on channels 10, 9, 8, and 7. Better and/or larger conductors will give responses on progressively lower number channels as well. For example, large, massive, highly conducting sulphide or graphite bodies should produce a response on all ten channels.

At the end of the survey day, the data in the receiver is transferred to a personal computer and processed. It is then plotted on a digital plotter using Cominco Ltd. proprietary software. In this report, the data is presented on Data Sections as profiles, with one profile for each of the ten channels.

1. Continuously Normalized Plots

This is the standard normalization scheme for general presentation.

a] For Channel 1:

$$\% \text{ Ch.1 anomaly} = \frac{\text{Ch.1} - P}{P} \times 100\%$$

where P is the primary field from the loop at the station and Ch.1 is the observed amplitude for channel 1.

b] The remaining channels [n=2 to 10] are channel 1 reduced and channel 1 normalized:

$$\% \text{ Ch.n anomaly} = \frac{\text{Ch.n} - \text{Ch.1}}{\text{Ch.1}} \times 100\%$$

where Ch.n is the observed amplitude of Channel n [n=2 to 10]

2. Point Normalized Plots

These plots display an arrow at the top of the section indicating the station to which all data on the line are normalized. The purpose of point normalized plots is to display only the relative amplitude variation of the SECONDARY field along the survey line, that is only that portion of the magnetic field resulting from electric currents induced in the ground.

a] For Channel 1:

$$\% \text{ Ch.1 anomaly} = \frac{\text{Ch.1} - \text{Ppn}}{\text{Ppn}} \times 100\%$$

where Ppn is the primary field from the loop at the point norm station and Ch.1 is the observed amplitude for Channel 1.

b] The remaining channels [n=2 to 10] are channel 1 reduced and channel 1 normalized:

$$\% \text{ Ch.1 anomaly} = \frac{\text{Ch.n} - \text{Ch.1pn}}{\text{Ch.1pn}} \times 100\%$$

where Ch.n is the observed amplitude of Channel n and Ch.1pn is the observed channel 1 amplitude at the point norm station.

Point normalized plots are usually produced on data sections showing anomaly responses in order to help interpretation by providing a different perspective to the data. The point norm station is usually chosen at a constant distance from the loop front for the whole grid, or, if there is an anomaly, at a station near the center of the anomalous response.

The above normalizing procedures result in the errors from the miscalculations of the primary field, due to chainage errors, being displayed in Channel 1 only.

The channel 10 window has such a small delay time that in most geological environments, it becomes completely saturated at a very short distance from the transmitter loop. In most cases, it provides no valuable information and overwrites other useful channels. Therefore, channel 10 is not presented in this report.

INTERPRETATION

The claim boundaries, loops, lines, and conductor locations along with their accompanying labels are shown on Plate 392-91-4. The Data Sections [1-14, 1p-14p] show that both UTEM Loops 4 and 5 detected Conductors A and B. These conductors respond up to and including Channel 1 or 2, and are considered deep [depth to top estimated at greater than 150 meters].

Conductor C and the other crossovers on Lines 4300N and 4550N are much shallower, with depth to top estimated at less than 50 meters.

CONCLUSIONS

22.75 kms of UTEM surveying carried out from June 15-23, 1991, was successful in detecting several conductors. The conductors on Lines 4300N and 4550N are shallow, wheras the conductors south of 4300N are at greater depth [> 150 meters].

Report by : Ingo Jackisch

Ingo Jackisch
Geophysicist
Cominco Ltd.

Approved
for Release : W. J. Wolfe

W. J. Wolfe
Manager, Exploration
Western Canada
Cominco Ltd.

Distribution:

Mining Recorder	[2]
Kootenay Exploration Office	[1]
Western District Files	[1]
Geophysics Files	[1]

REFERENCE

Lamontagne, Y., 1975 Applications of Wideband, Time Domain EM Measurements in Mineral Exploration: Doctoral Thesis, University of Toronto

APPENDIX I

IN THE MATTER OF THE B.C. MINERAL ACT

AND THE MATTER OF A GEOPHYSICAL PROGRAMME

CARRIED OUT ON THE ESTELLA PROPERTY

LOCATED 28 KMS EASTNORTH EAST OF KIMBERLEY, B.C.

IN THE FORT STEELE MINING DIVISION OF THE

PROVINCE OF BRITISH COLUMBIA,

MORE PARTICULARLY

N.T.S. 82G/13

S T A T E M E N T

I, Ingo Jackisch, of 424 Somerset Street, in the City of North Vancouver, in the Province of British Columbia, make oath and say:

1. THAT I am employed as a geophysicist by Cominco Ltd. and, as such have a personal knowledge of the facts to which I hereinafter depose;

2. THAT annexed hereto and marked as "Exhibit A" to this statement is a true copy of expenditures incurred on a geophysical survey on the ESTELLA Property;

3. THAT the said expenditures were incurred from June 15-23, 1991, for the purpose of mineral exploration on the above-noted property.

Ingo Jackisch

Ingo Jackisch
Geophysicist, Cominco Ltd.

Dated this 1 day of November, 1991
at Vancouver, B.C.

APPENDIX II - EXHIBIT "A"

STATEMENT OF EXPENDITURES

ESTELLA PROPERTY - JUNE 15-23, 1991

1. STAFF COSTS

a]	J.J. Lajoie, Geophysicist 11 days at $515/day	5665.00
b]	I.Jackisch, Geophysicist 8 days at $365/day	2920.00
c]	V.R. Petryshen, Geophysicist in training 9 days at $109/day	981.00
d]	D.R. Nitsche, Assistant 9 days at $115/day	1035.00
e]	D. Stenstrom 7 days at $85.57/day	598.99
f]	J.V. Bjelica, Assistant 2 days at $108/day	216.00
		$11,415.99

2. OPERATING DAY CHARGES [covers cost of data compilation, drafting, and report writing]
10 days at $430/day $4300.00

3. EQUIPMENT RENTAL

UTEM SYSTEM	$2800.00
RENTAL TRUCK #1	585.00
RENTAL TRUCK #2	741.34
	$4126.34

4. EXPENSE ACCOUNTS

J.J. Lajoie	$452.69
I. Jackisch	404.48
V.R. Petryshen	352.34
D. Nitsche	347.20
D. Stenstrom	417.34
	$1974.05

5. MISCELLANEOUS

Freight	$334.95
Use of Copper Wire	135.00
Accommodation	1647.80
Linecutting 19.6km	10682.00
	$12,799.75

INVOICE TOTAL $34,616.13

LEGEND

UTEM DATA SECTIONS

ORDINATE: Amplitude scale is given in %

ABSCISSA: Station or Picket Numbers in Hundreds of Meters

SYMBOL	CHANNEL	MEAN DELAY TIME [30 HZ]
|	1	12.8 ms
/	2	6.4
\	3	3.2
□	4	1.6
≤	5	0.8
◁	6	0.4
7	7	0.2
⧗	8	0.1
△	9	0.05
◇	10	0.025

DESCRIPTION OF INTERPRETATION SYMBOLS

Superscript indicates depth to top {S shallow 0-50m {M moderate 50-150m {D deep >150m

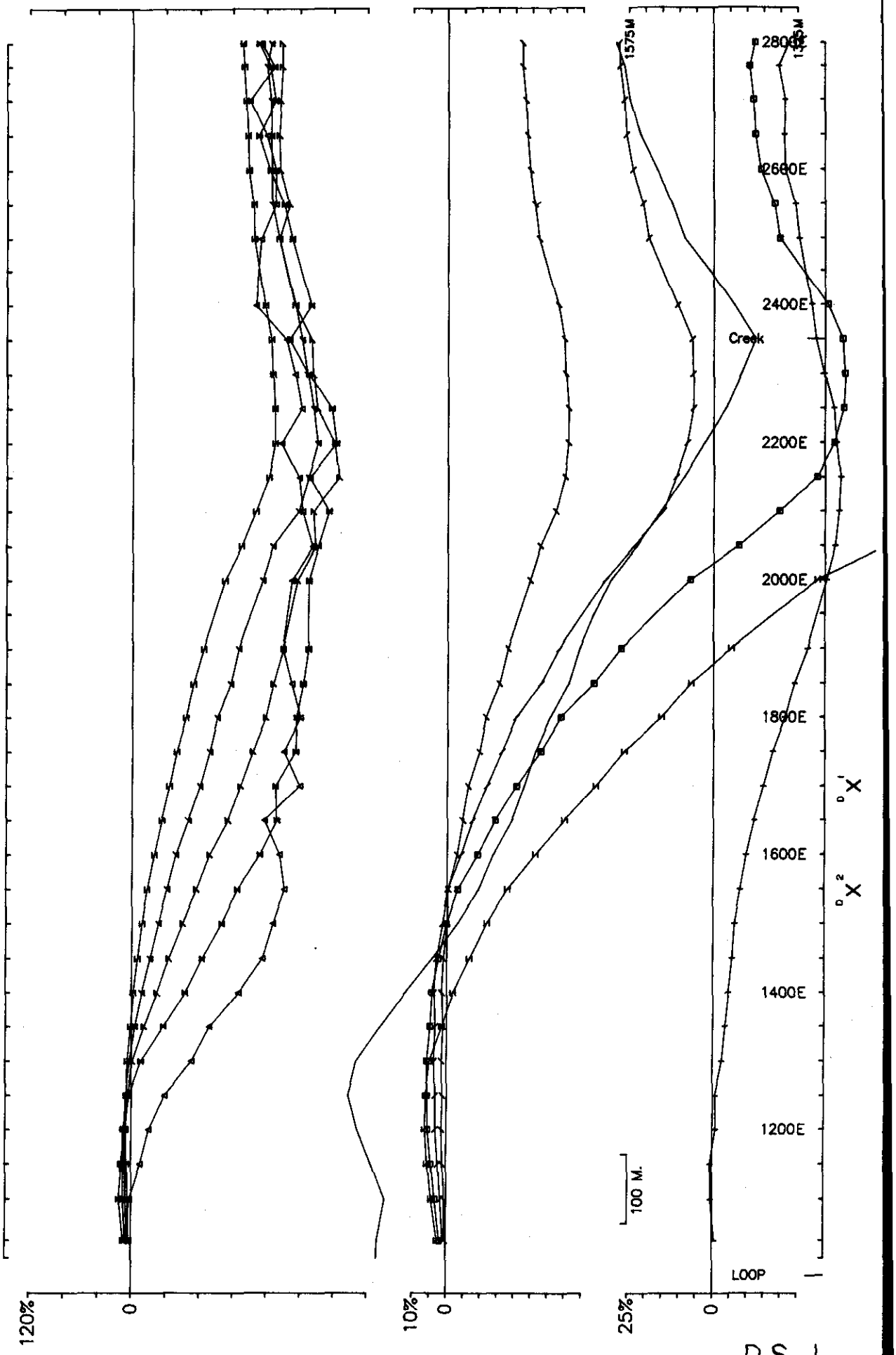
Superscript indicating latest anomalous channel

s 2
X — Axis of crossover conductor

A1
— Conductor Name [for major features only]

→ Resistivity Contact [arrow points in direction of low resistivity zone]

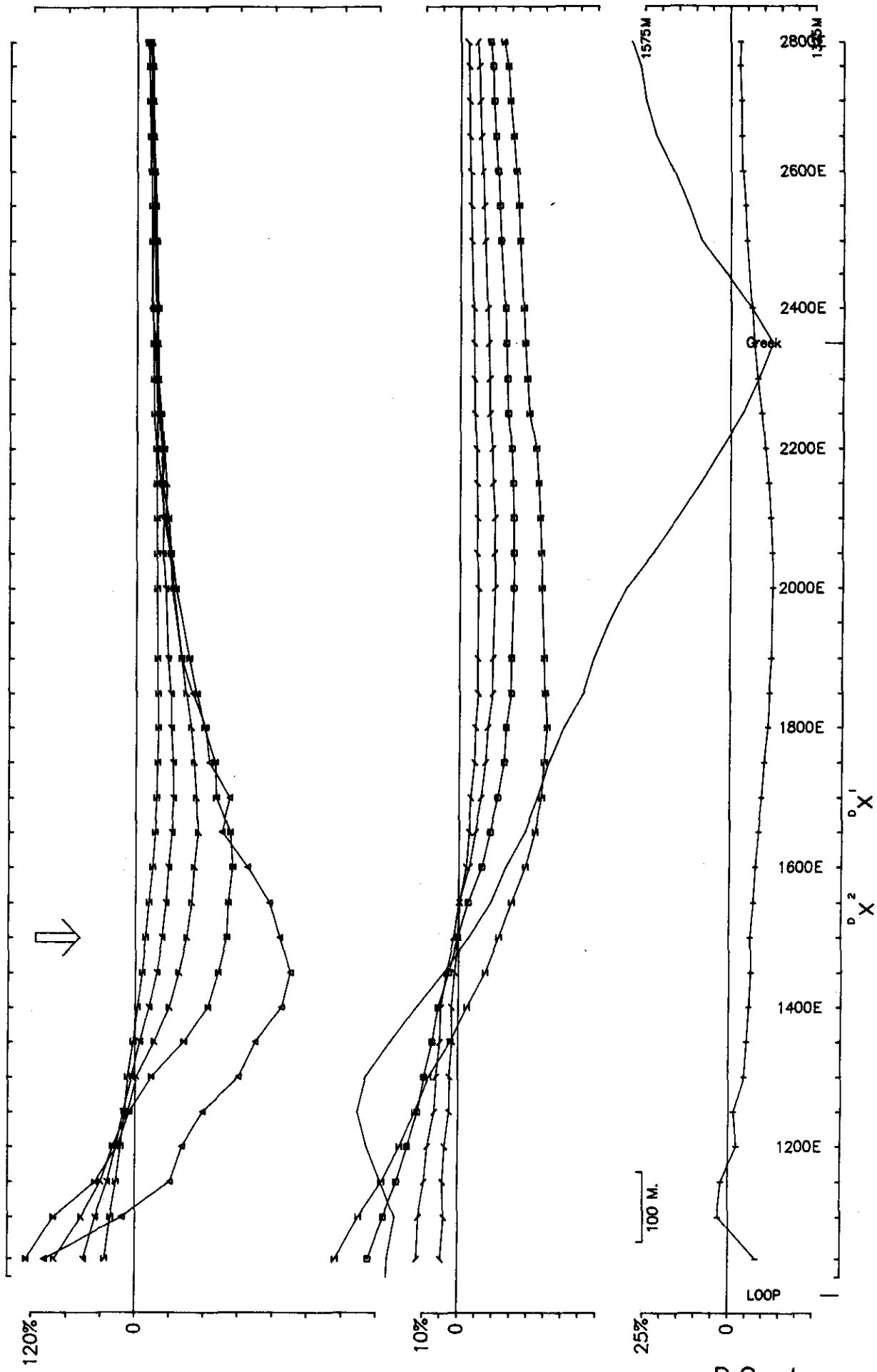
R Reverse crossover conductor

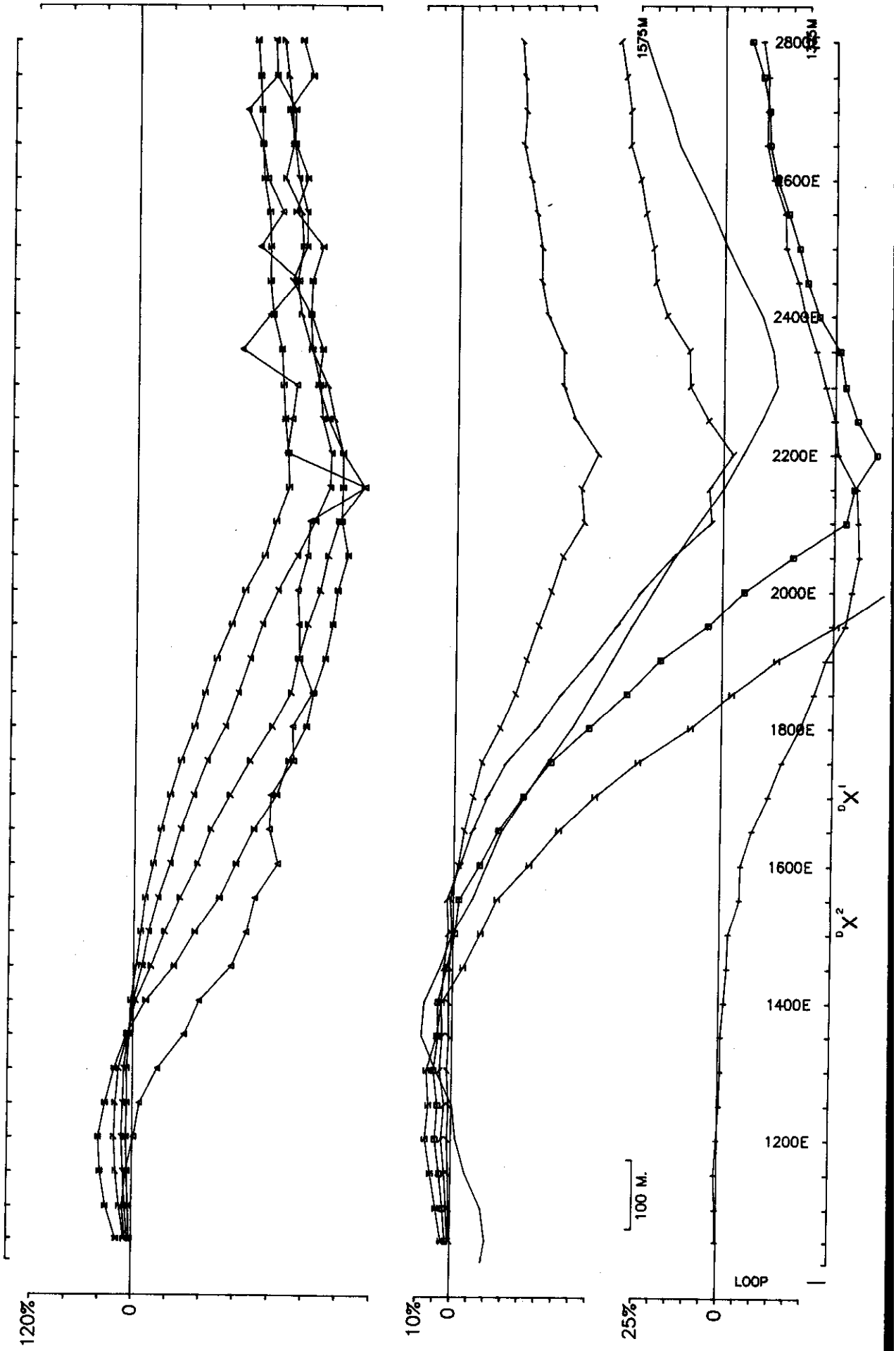


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 2800N

Ch1 reduced. Ch1 normalized. Totals:P-- 1741M. /L-- 1767M. Line Azim.: 70 . Rx Label: 28

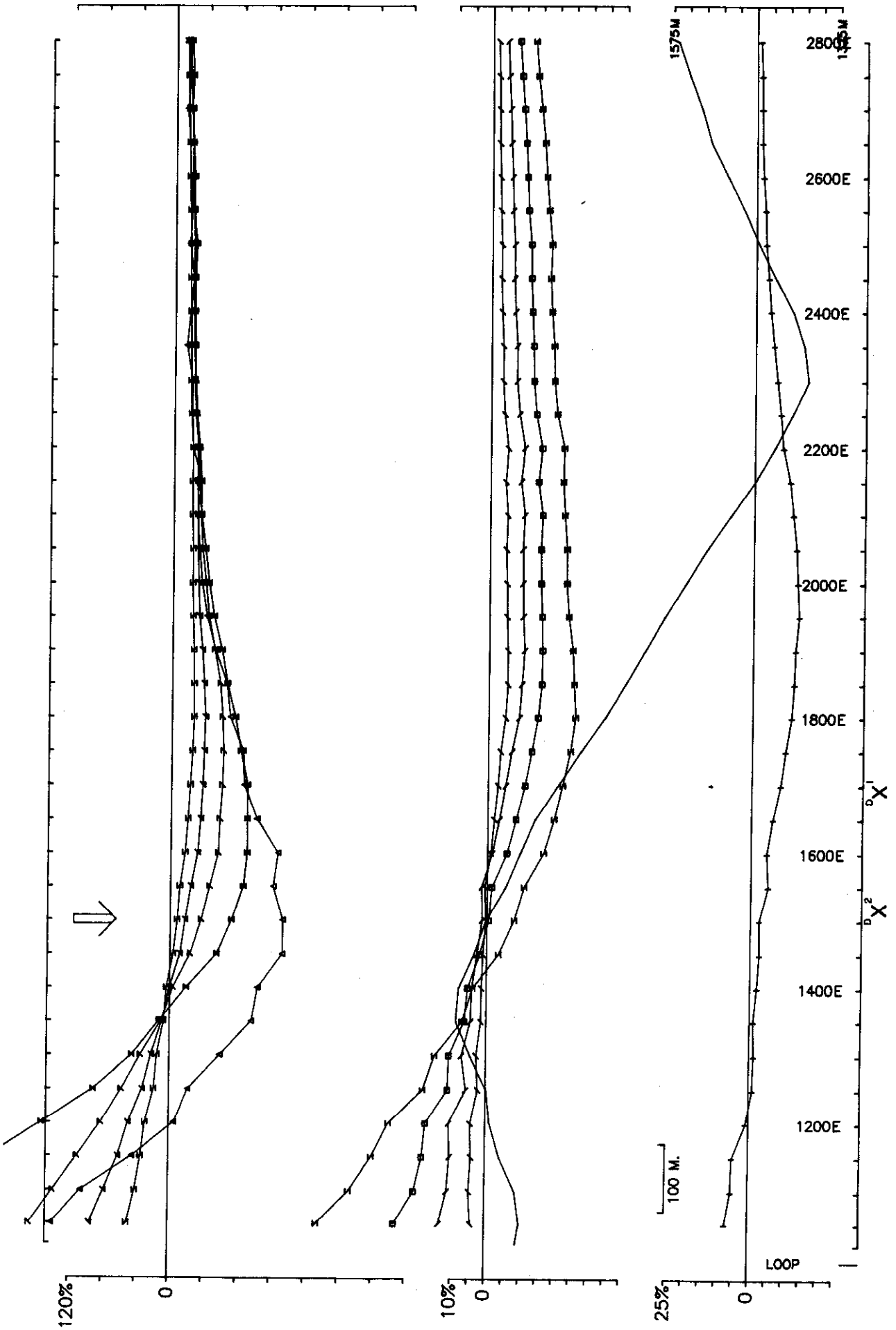

2800E
2600E
2400E
Creek
2200E
2000E
1800E
1600E
1400E
1200E
1575M
100 M.
LOOP
120%
0
10%
0
25%
0
D.S. Ip
ESTELLA 91
COMINCO
Hz
Op: JJL & IJ
Freq(Hz): 30.974
Loop: 4
Line: 2800N
Ch1 reduced. Ch1 normalized.
Totals:P-1741M./L-1767M. Line Azim.: 70 . Rx Label: 28 Point Normalized.



ESTELLA 91 COMINCO Hz D.S. 2

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 3050N

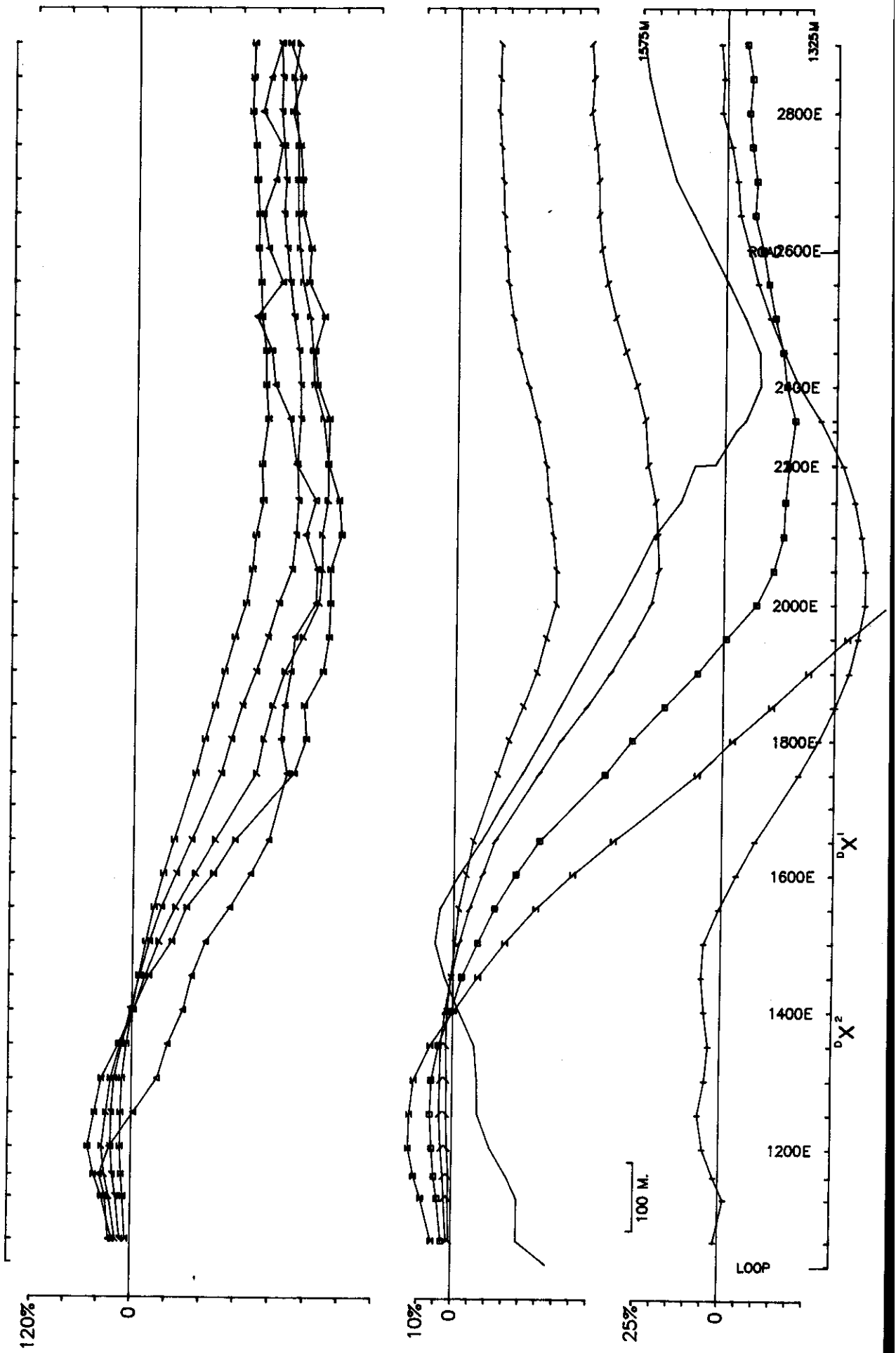
Ch1 reduced. Ch1 normalized. Totals:P- 1750M. /L- 1781M. Line Azim.: 70 . Rx Label: 30



ESTELLA 91 COMINCO Hz D.S. 2p

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 3050N

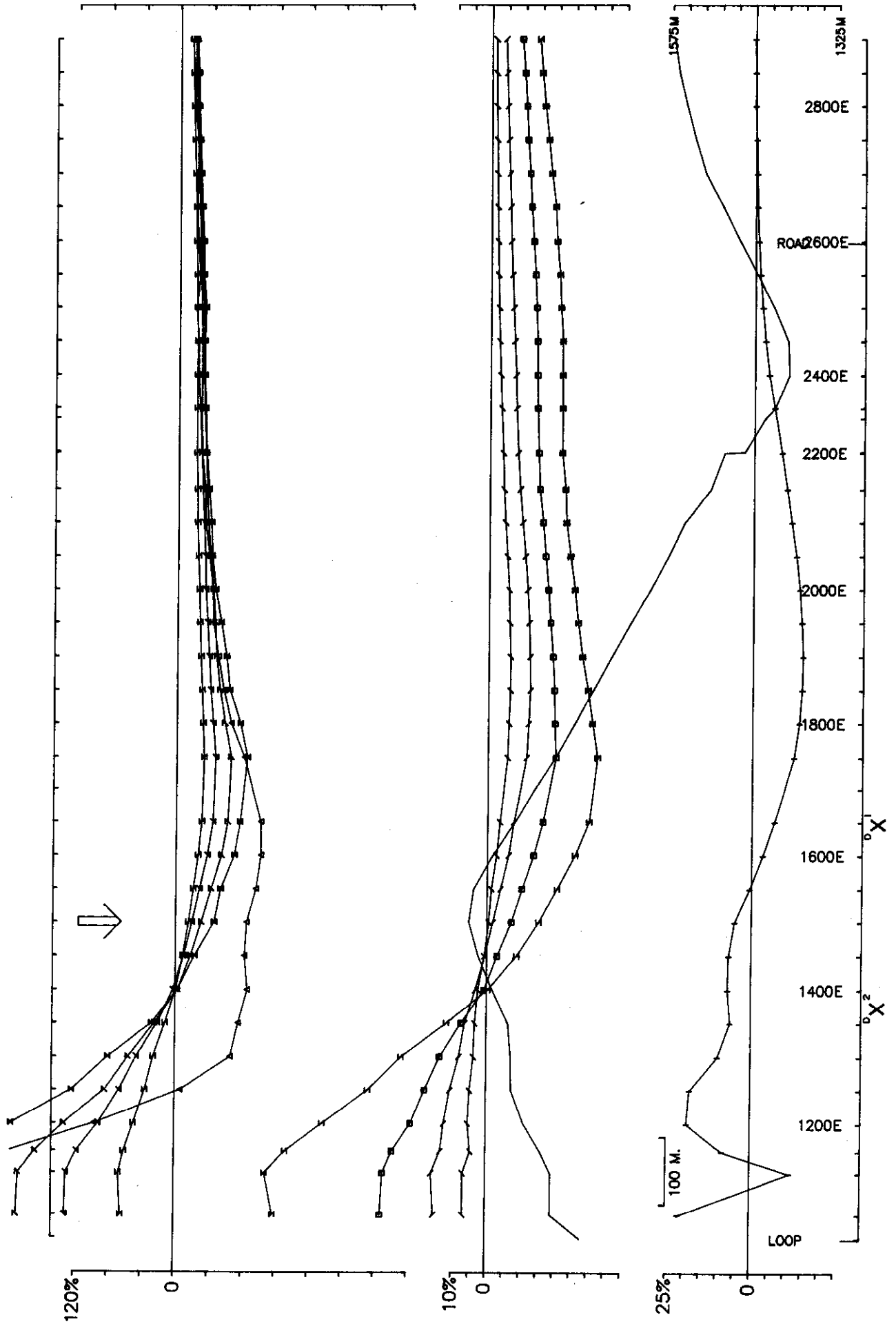
Ch1 reduced. Ch1 normalized. Totals:P-- 1750M. /L-- 1781M. Line Azim.: 70 . Rx Label: 30 Point Normalized.



ESTELLA 91 COMINCO

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 3300N

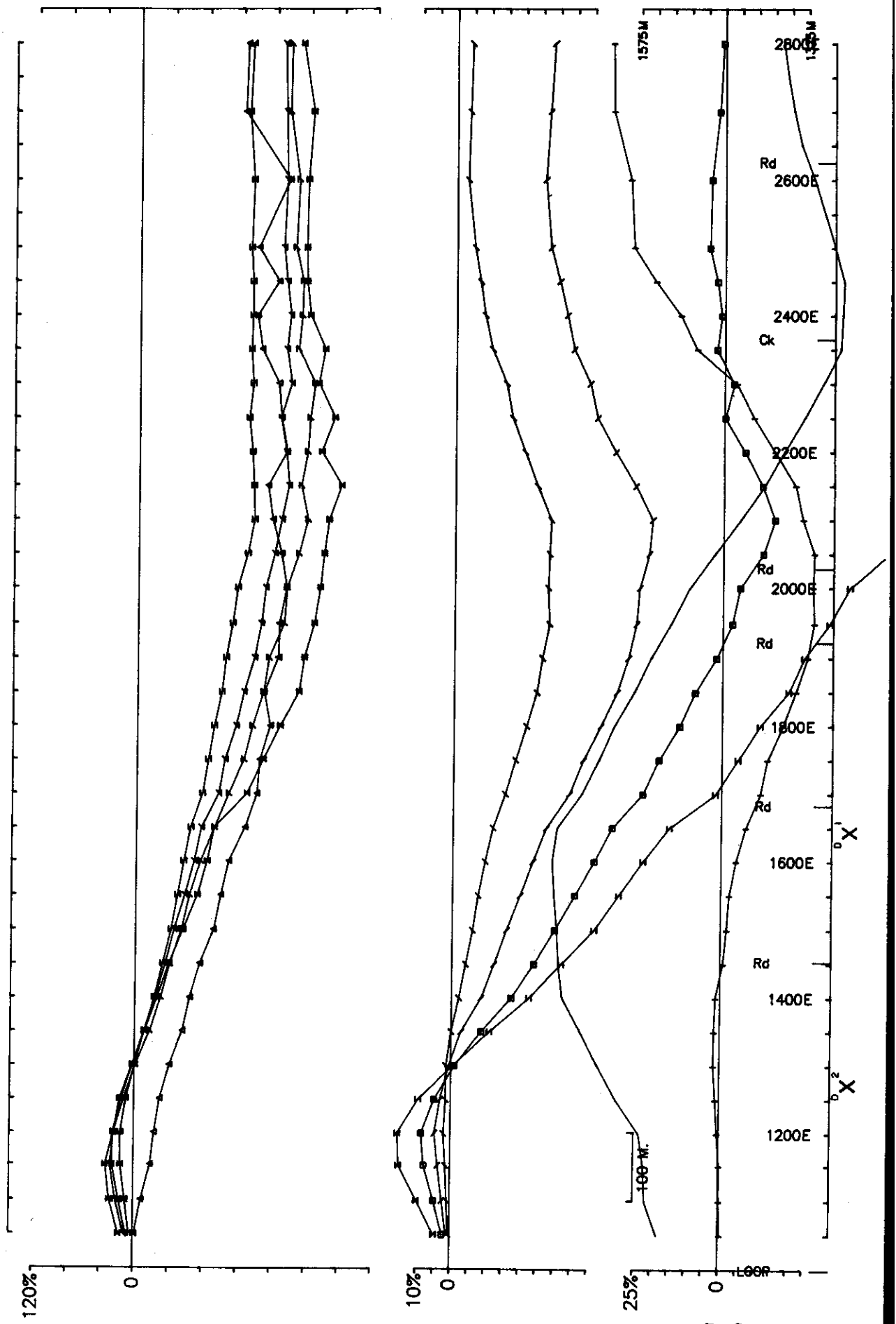
Ch1 reduced. Ch1 normalized. Totals:P– 1752M. /L– 1855M. Line Azim.: 70 . Rx Label: 33



ESTELLA 91 COMINCO Hz D.S. 3p

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 3300N

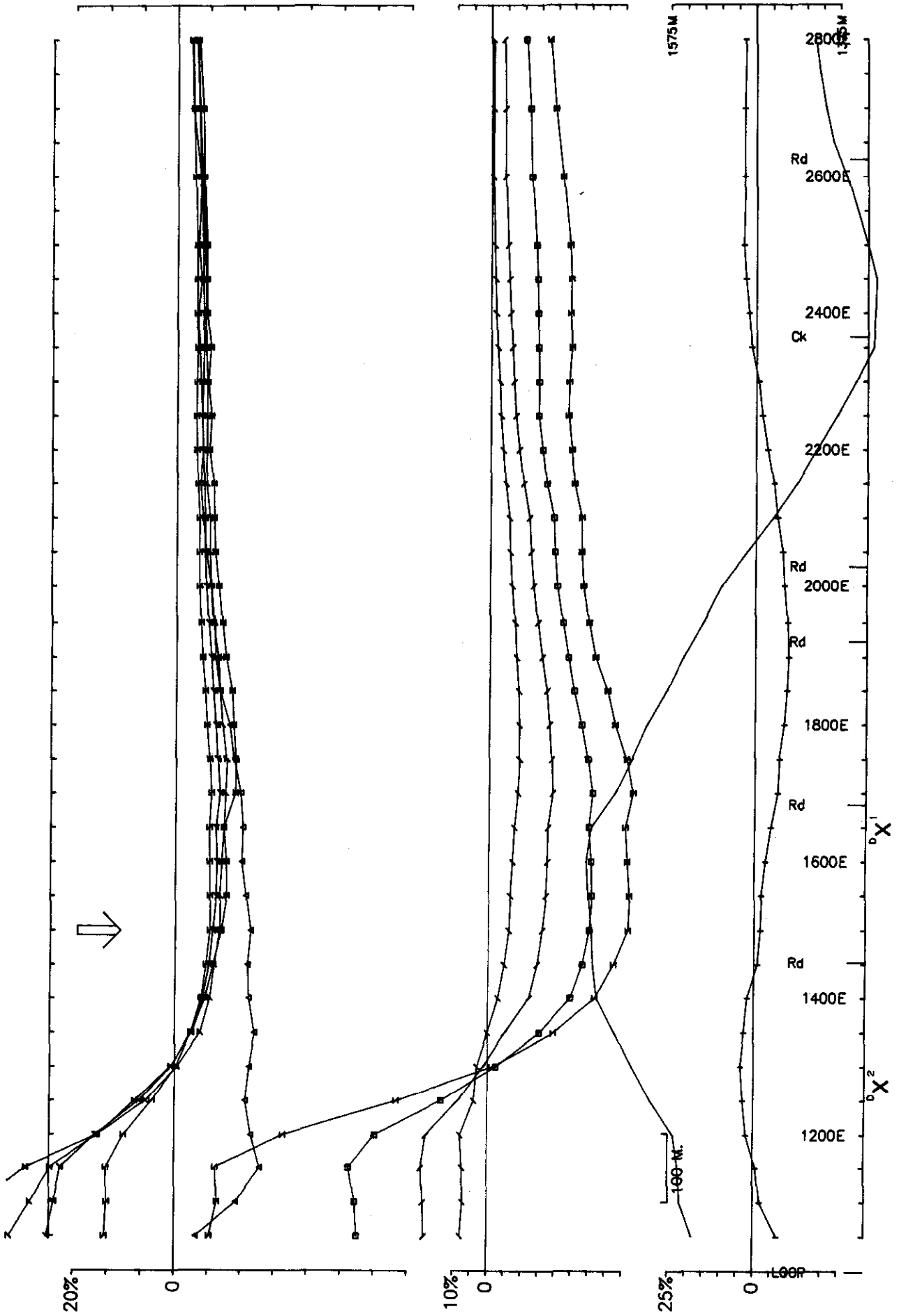
Ch1 reduced. Ch1 normalized. Totals:P- 1752M. /L- 1855M. Line Azim.: 70 . Rx Label: 33 Point Normalized.



ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 3550N

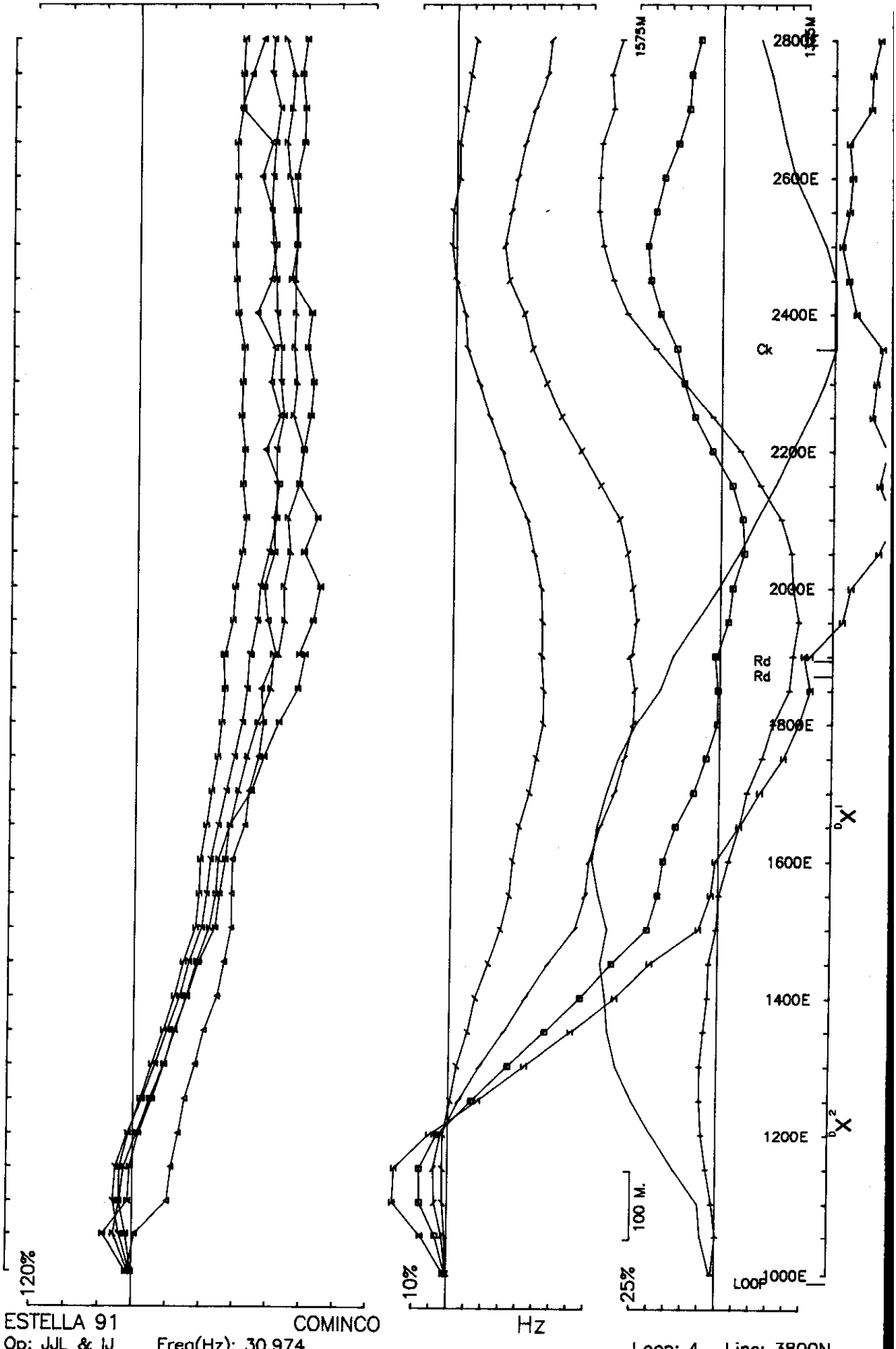
Ch1 reduced. Ch1 normalized. Totals:P- 1751M./L- 1751M. Line Azim.: 70 . Rx Label: 35



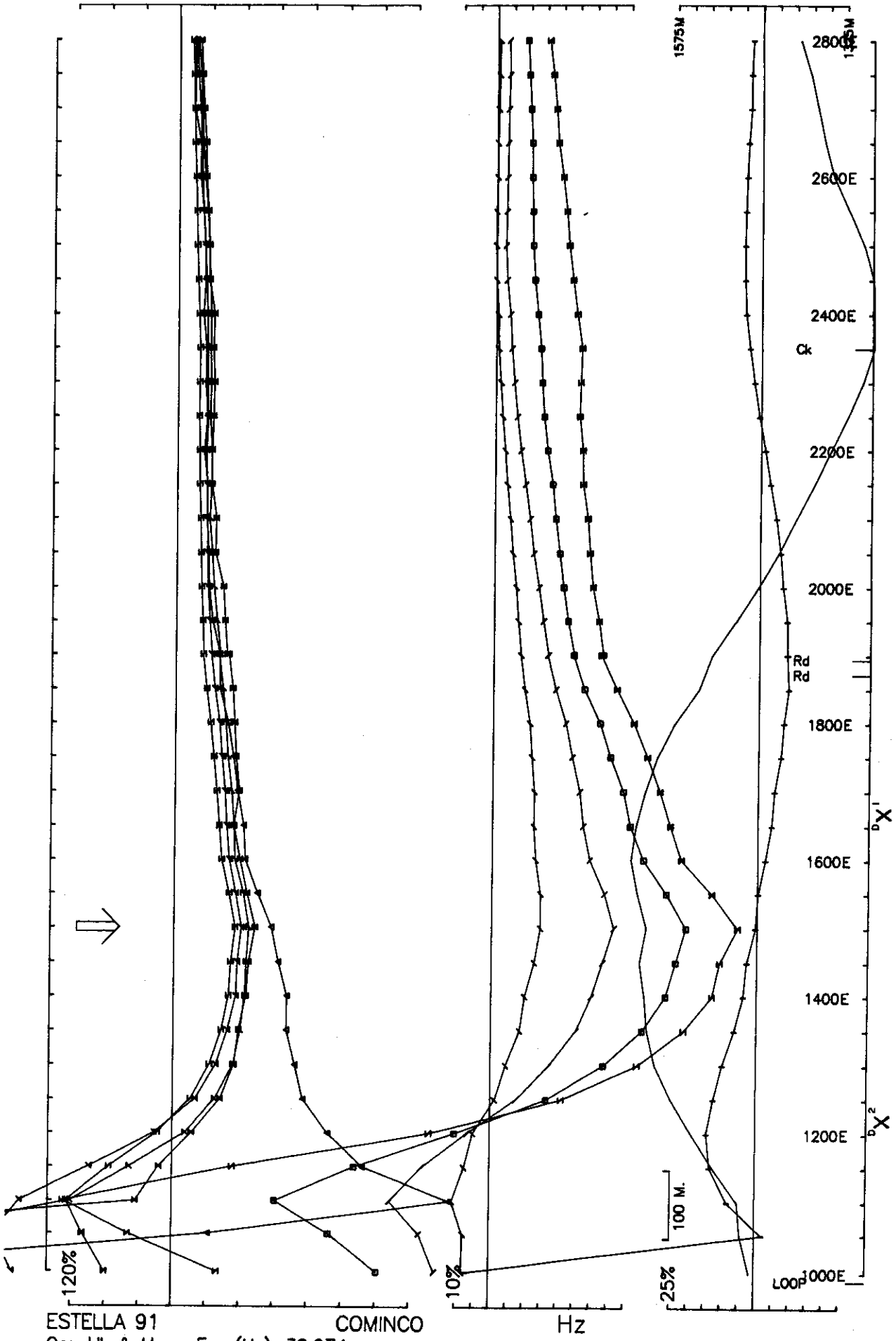
ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 3550N

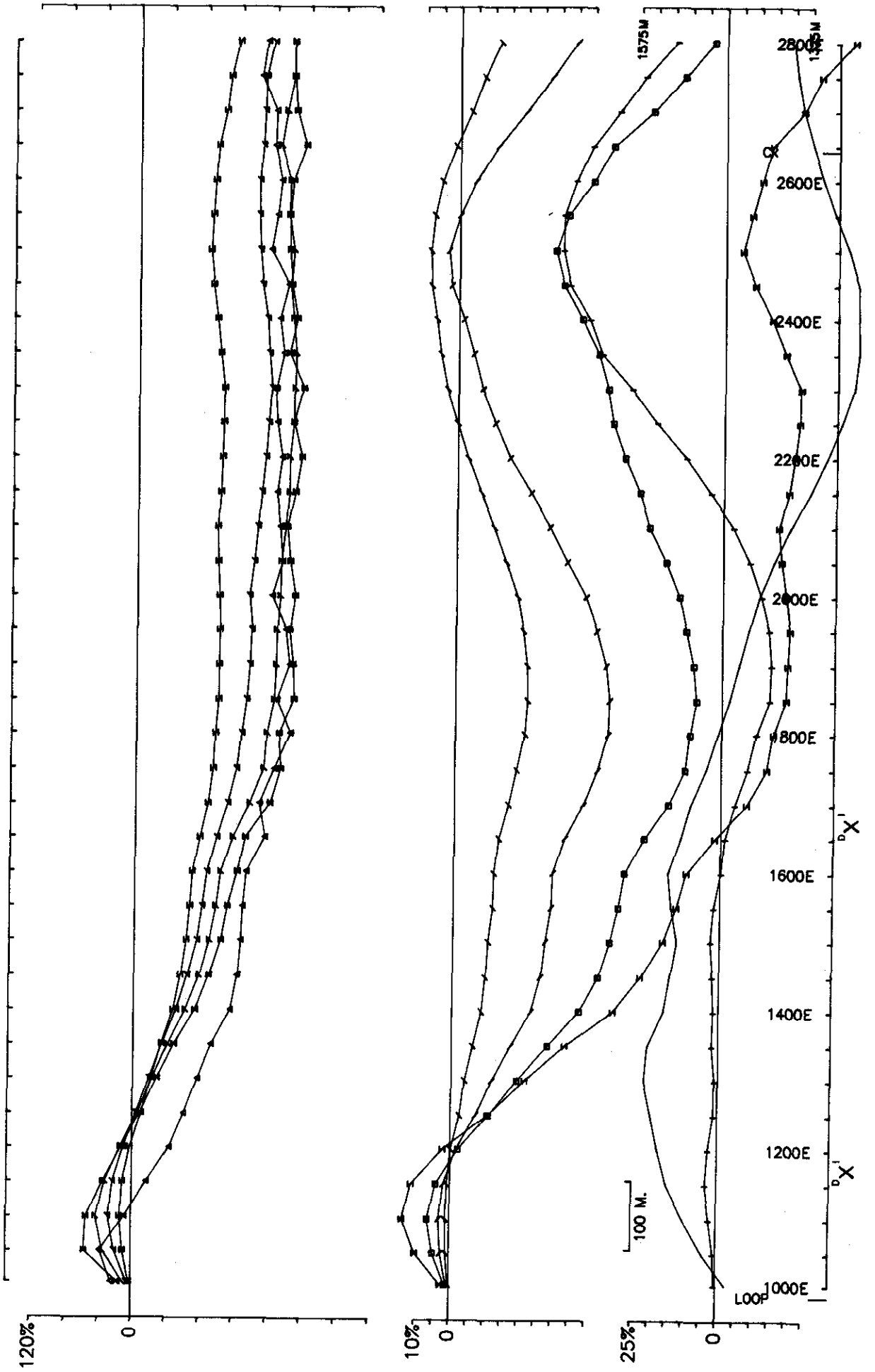
Ch1 reduced. Ch1 normalized. Totals:P- 1751M. /L- 1751M. Line Azim.: 70 . Rx Label: 35 Point Normalized.


1575M
2800E
2600E
2400E
Ck
2200E
2000E
Rd
Rd
1800E
1600E
1400E
1200E
1000E
LOOP
120%
10%
25%
100 M.
Hz
ESTELLA 91
COMINCO
Op: JJL & IJ
Freq(Hz): 30.974
Loop: 4
Line: 3800N
Ch1 reduced. Ch1 normalized.
Totals:P- 1804M. /L- 1804M. Line Azim.: 70 . Rx Label: 38

D.S. 5


1575M
2800E
2600E
2400E
Ck
2200E
2000E
Rd
Rd
1800E
1600E
1400E
1200E
1000E
LOOP
100 M.
120%
10%
25%
Hz
ESTELLA 91
COMINCO
Op: JJL & IJ
Freq(Hz): 30.974
Loop: 4 Line: 3800N
Ch1 reduced. Ch1 normalized. Totals:P-- 1804M. /L-- 1804M. Line Azim.: 70 . Rx Label: 38 Point Normalized.

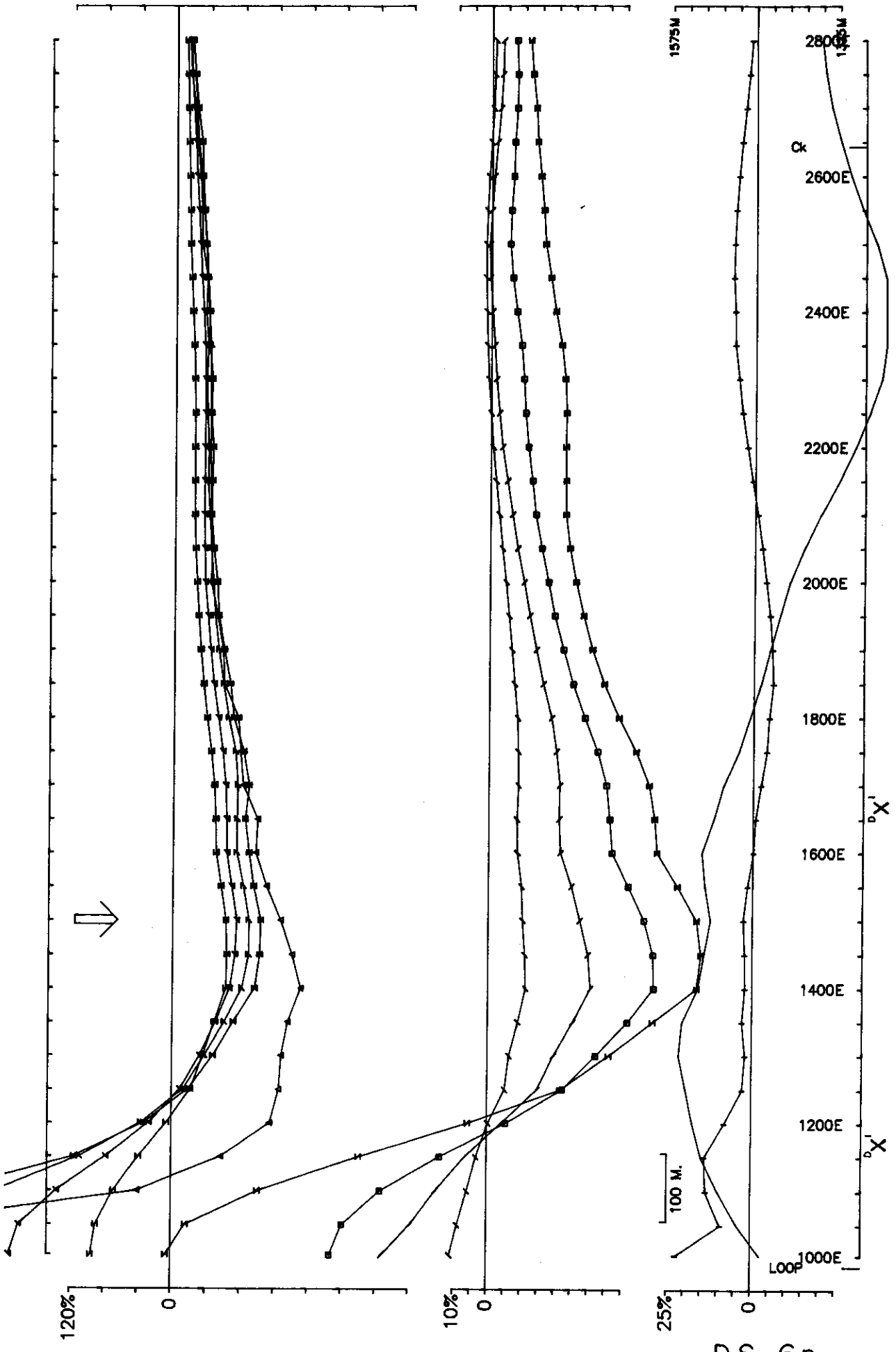
D.S. 5p



ESTELLA 91 COMINCO D.S. 6

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 4050N

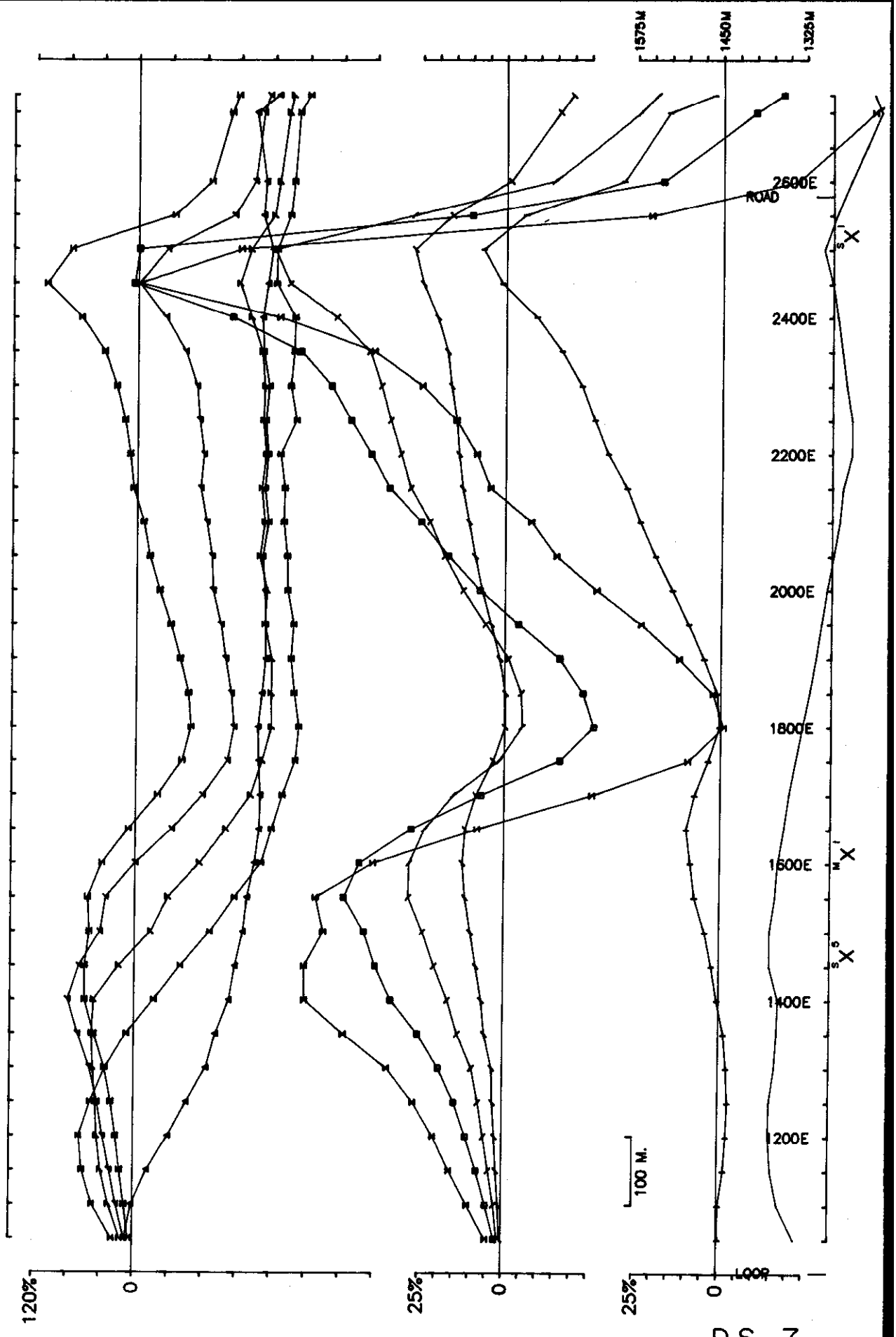
Ch1 reduced. Ch1 normalized. Totals:P-1795M./L-1795M. Line Azim.: 70 . Rx Label: 40



ESTELLA 91 COMINCO Hz D.S. 6p

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 4050N

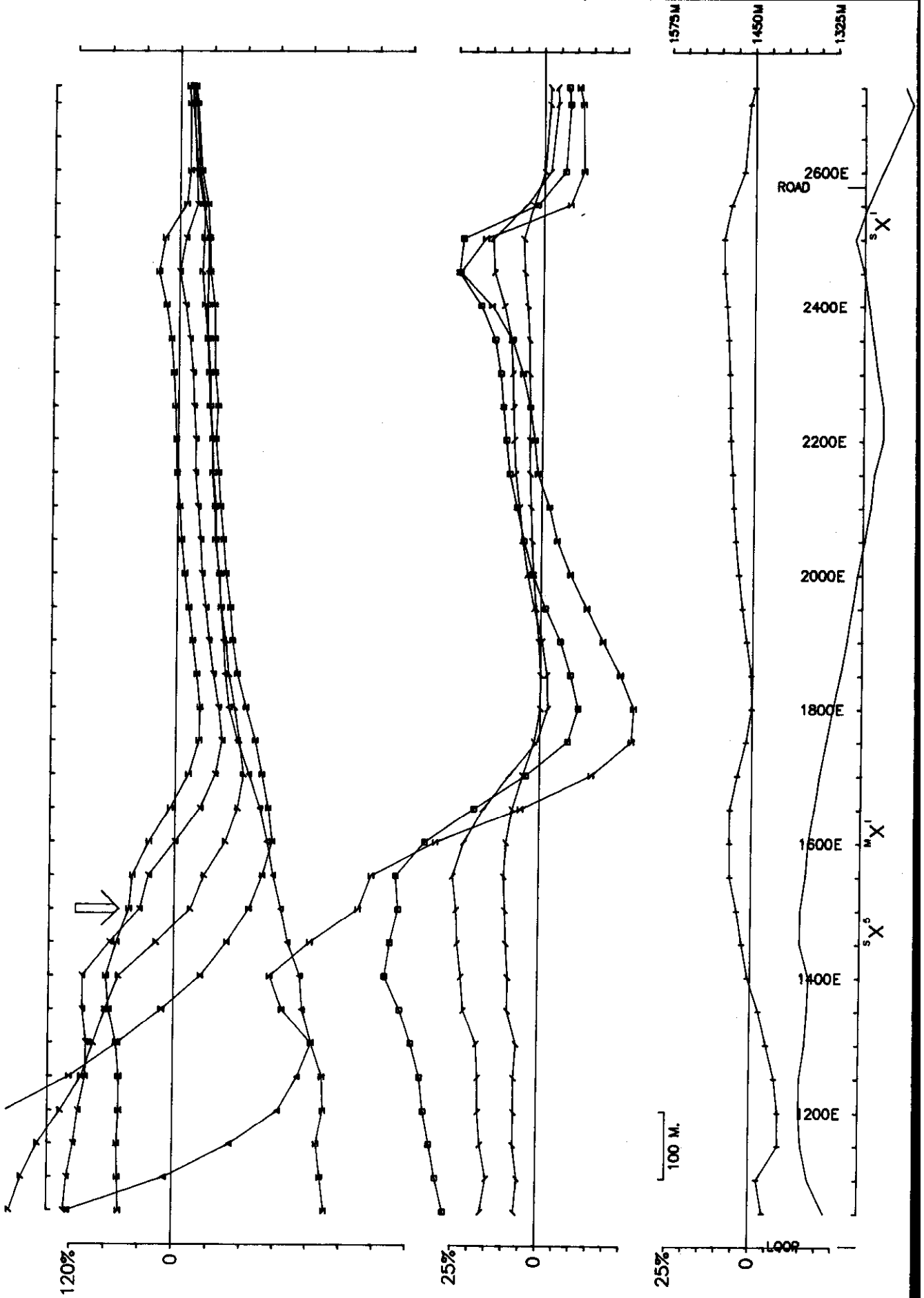
Ch1 reduced. Ch1 normalized. Totals:P– 1795M. /L– 1795M. Line Azim.: 70 . Rx Label: 40 Point Normalized.



ESTELLA 91 COMINCO Hz

Op: JJL & WJ Freq(Hz): 30.974 Loop: 4 Line: 4300N

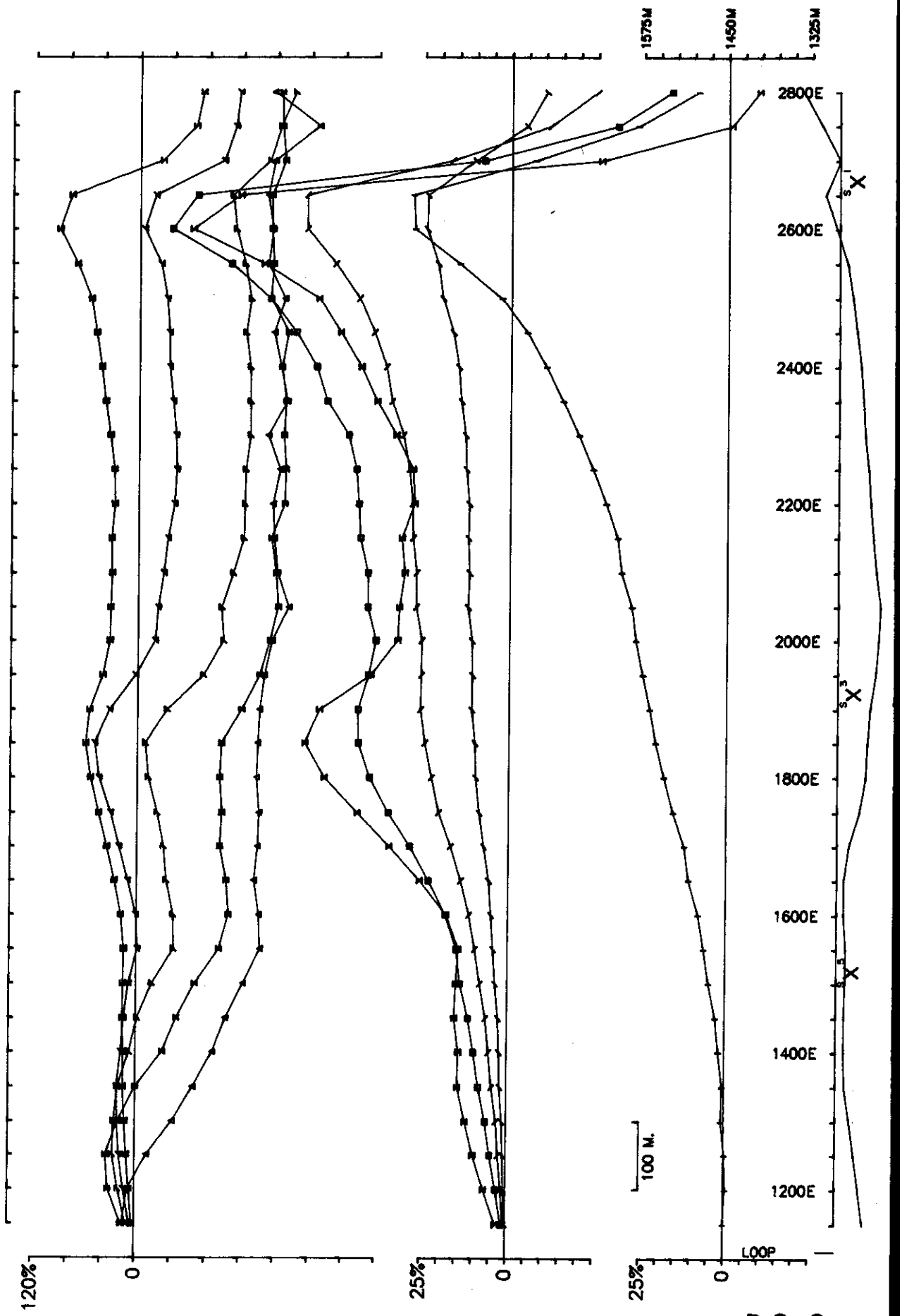
Ch1 reduced. Ch1 normalized. Totals:P-1675M./L-1675M. Line Azim.: 70 . Rx Label: 43



ESTELLA 91 COMINCO Hz D.S. 7p

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 4300N

Ch1 reduced. Ch1 normalized. Totals:P-1675M./L-1675M. Line Azim.: 70 . Rx Label: 43 Point Normalized.

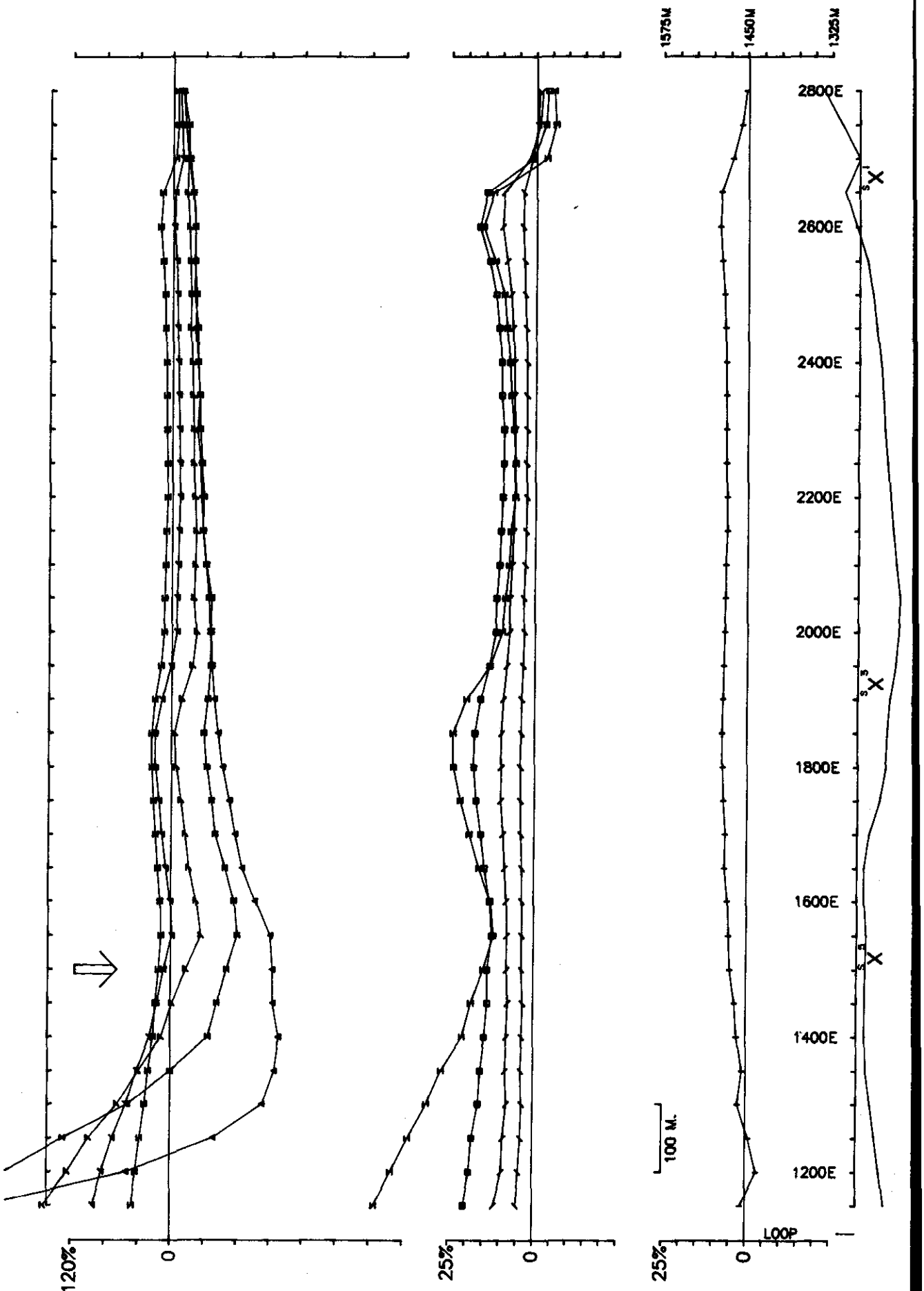


D.S. 8

ESTELLA 91 COMINCO Hz

Op: JJL & WJ Freq(Hz): 30.974 Loop: 4 Line: 4550N

Ch1 reduced. Ch1 normalized. Totals:P-- 1650M. /L-- 1650M. Line Azim.: 70 . Rx Label: 45

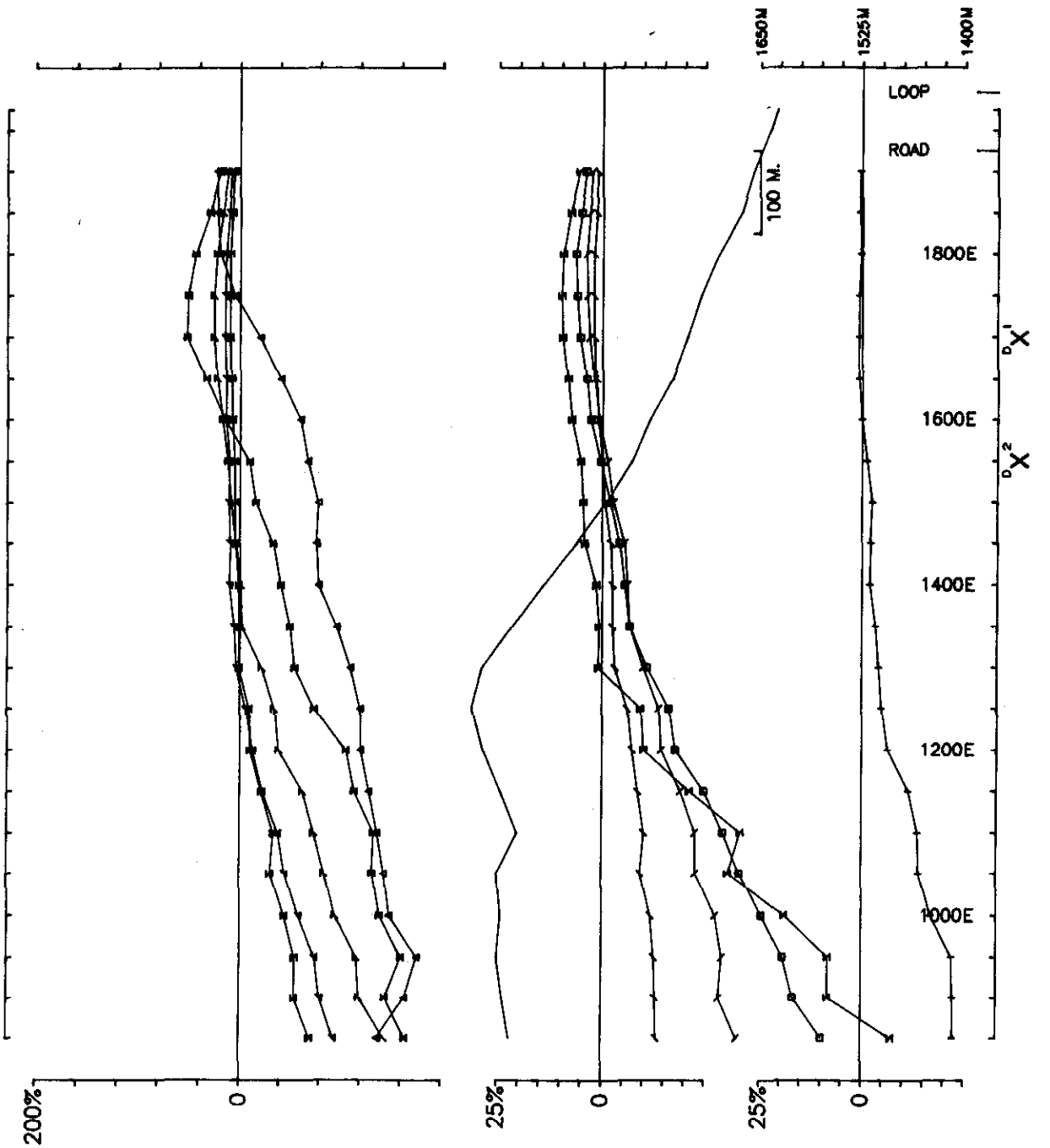


D.S. 8p

ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 4 Line: 4550N

Ch1 reduced. Ch1 normalized. Totals:P- 1650M. /L- 1650M. Line Azim.: 70 . Rx Label: 45 Point Normalized.

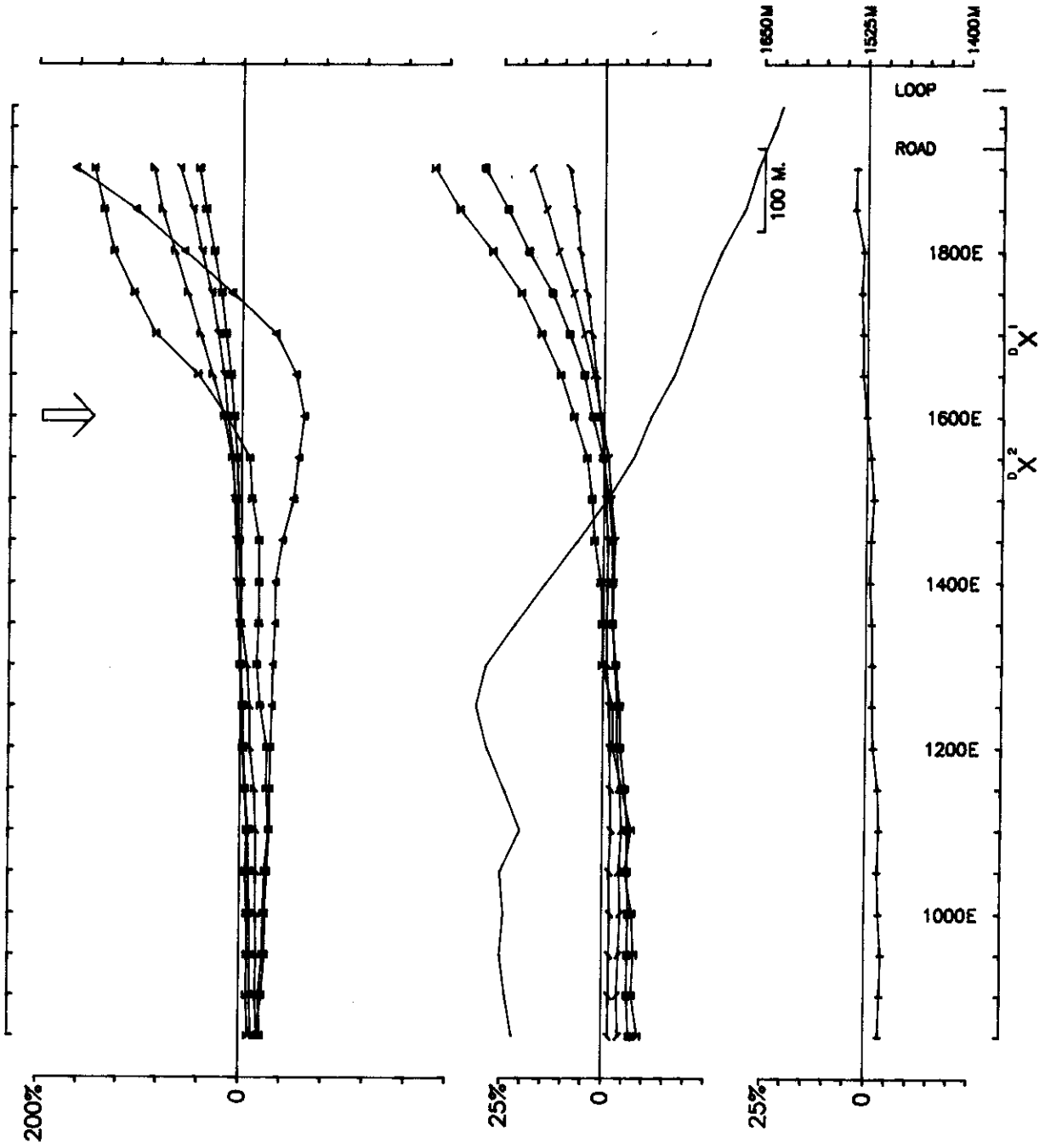


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 2800N

Ch1 reduced. Ch1 normalized. Totals:P- 1049M. /L- 1124M. Line Azim.: 250 . Rx Label: 28

D.S. 9

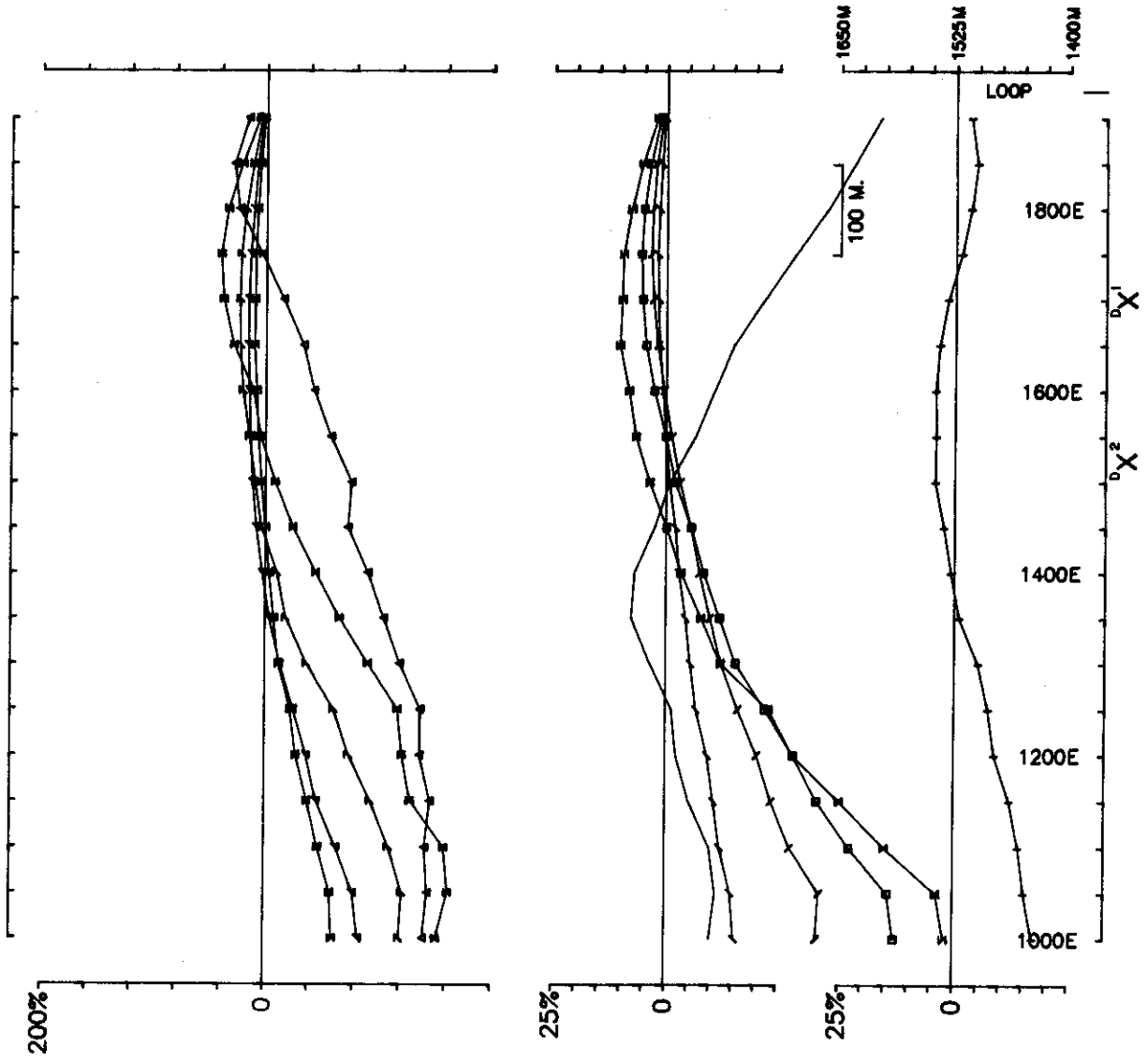


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 2800N

Ch1 reduced. Ch1 normalized. Totals:P-1049M./L-1124M. Line Azim.: 250 . Rx Label: 28 Point Normalized.

D.S. 9p

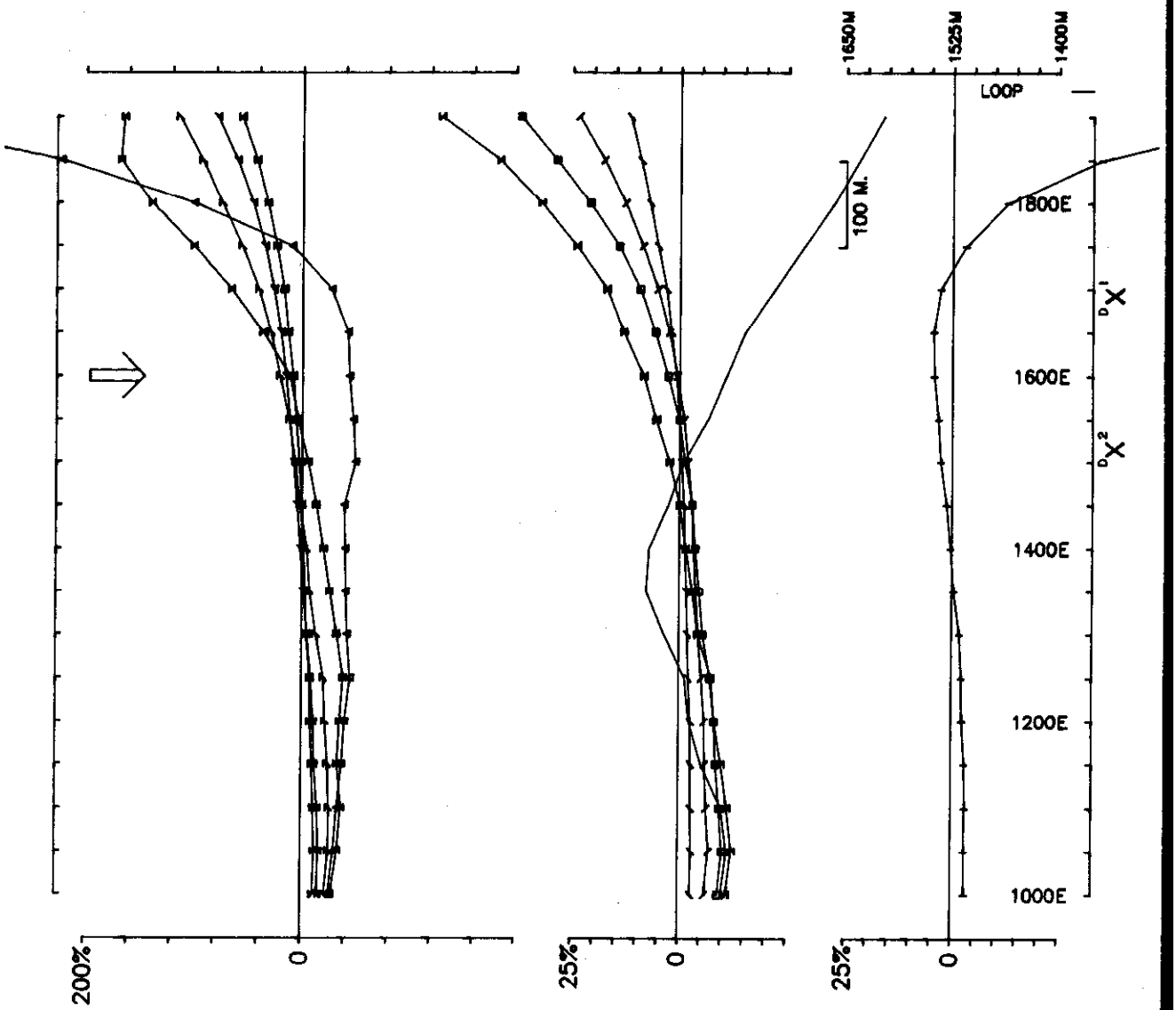


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3050N

Ch1 reduced. Ch1 normalized. Totals:P-901M./L-901M. Line Azim.: 250 . Rx Label: 30

D.S. 10

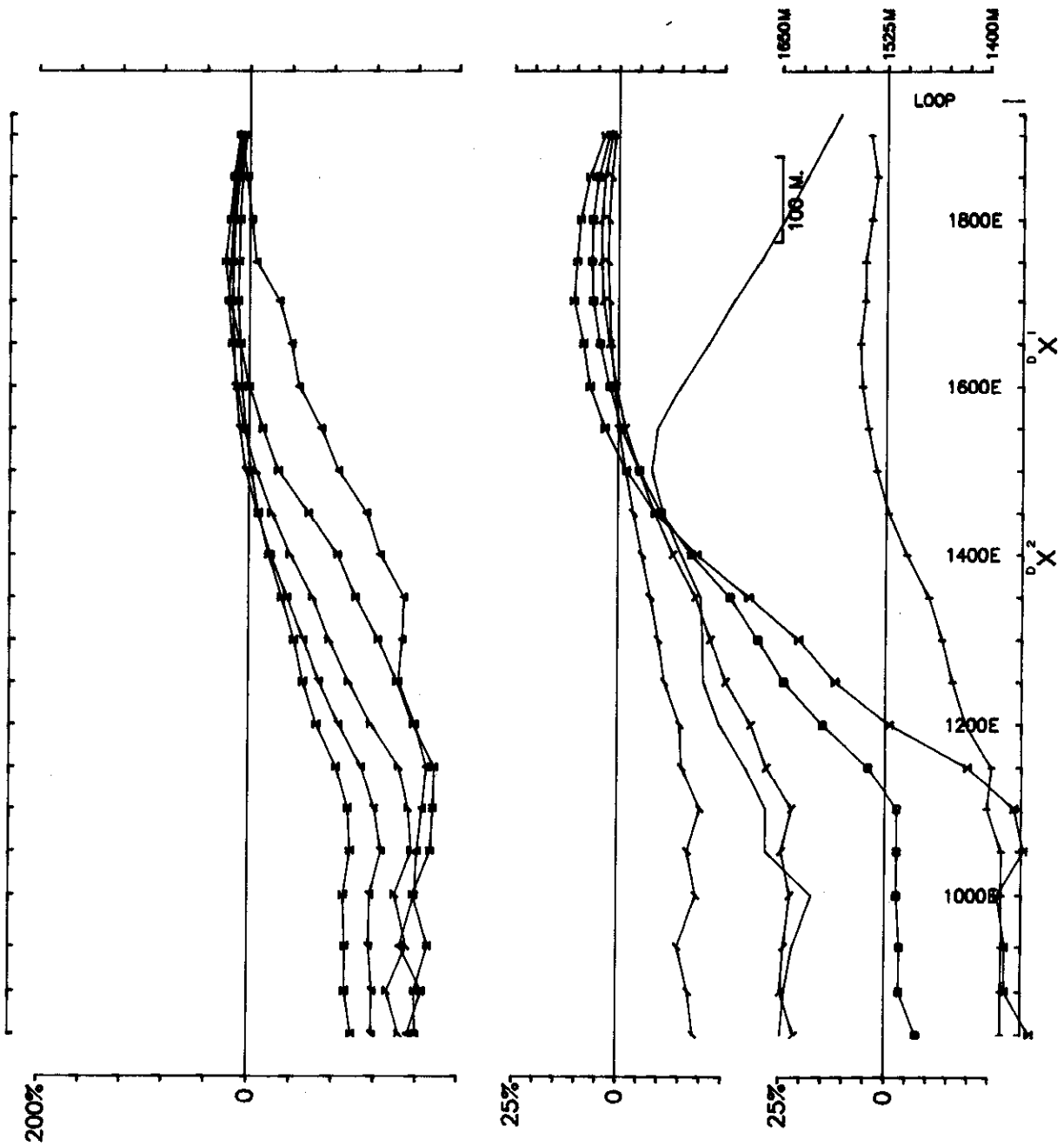


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3050N

Ch1 reduced. Ch1 normalized. Totals:P-901M./L-901M. Line Azim.: 250 . Rx Label: 30 Point Normalized.

D.S. 10p

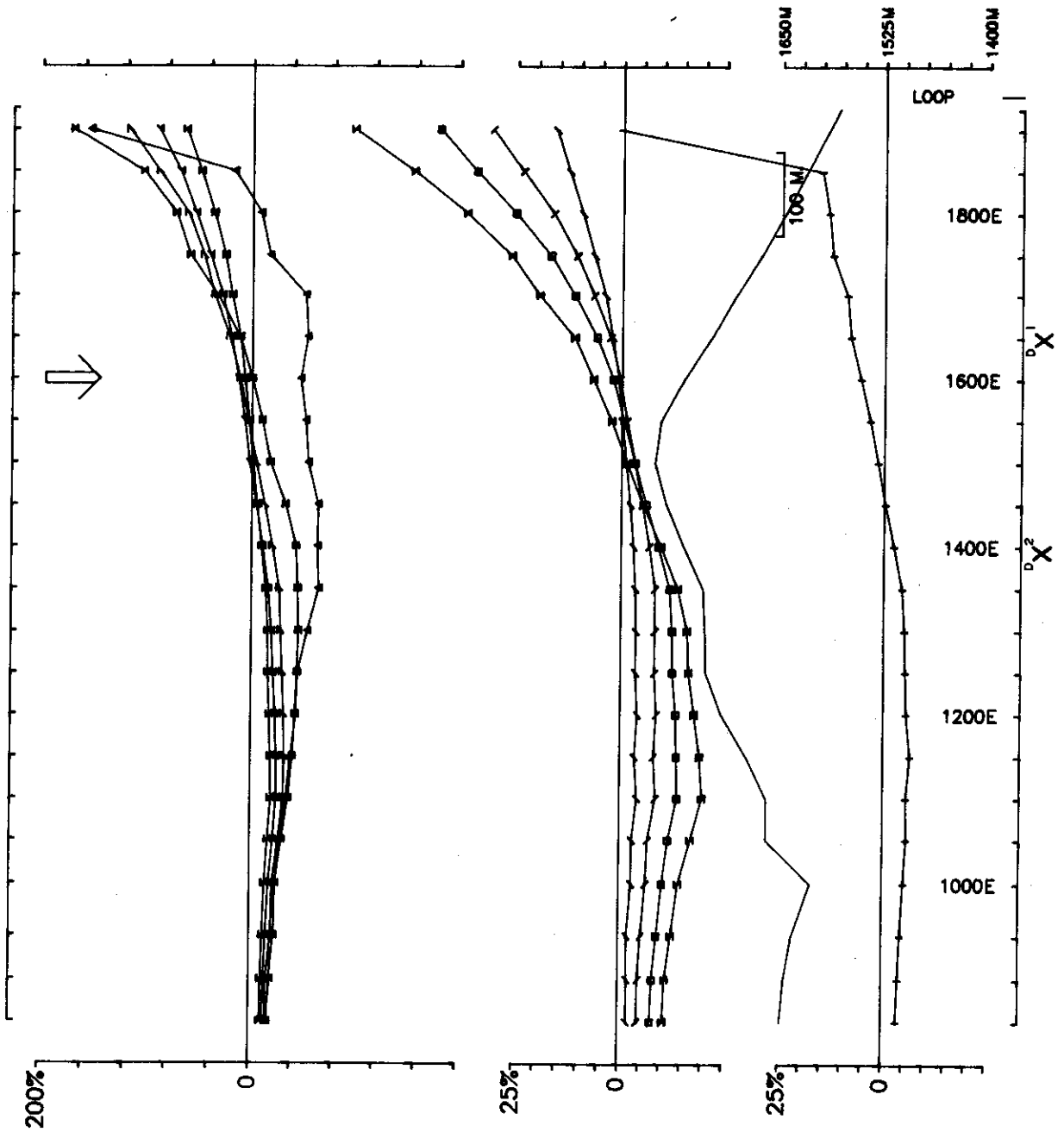


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3300N

Ch1 reduced. Ch1 normalized. Totals:P- 1063M. /L- 1088M. Line Azim.: 250 . Rx Label: 33

D.S. II

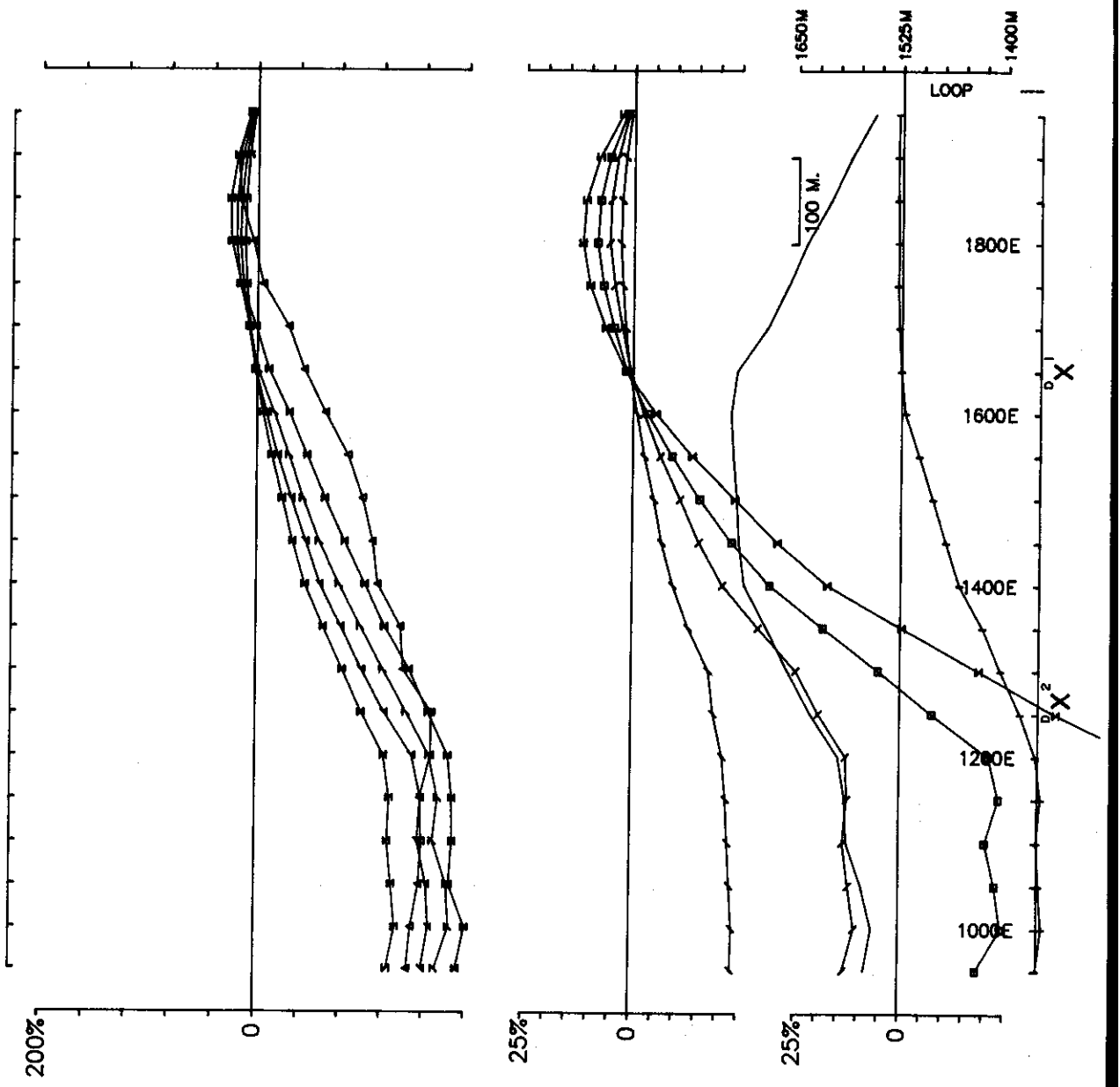


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3300N

Ch1 reduced. Ch1 normalized. Totals:P– 1063M. /L– 1088M. Line Azim.: 250 . Rx Label: 33 Point Normalized.

D.S. IIp

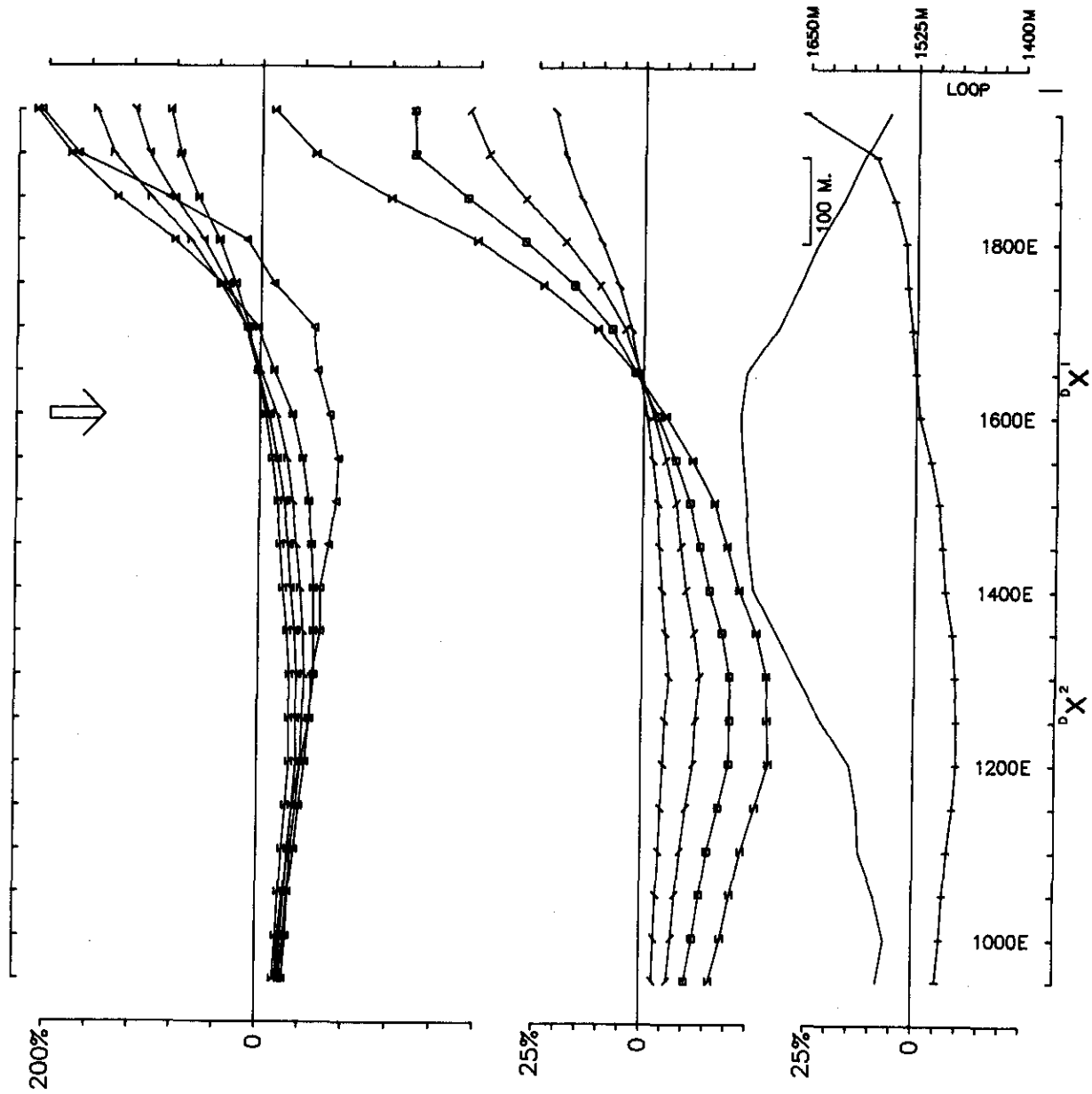


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3550N

Ch1 reduced. Ch1 normalized. Totals:P-999M./L-999M. Line Azim.: 250 . Rx Label: 35

D.S. 12

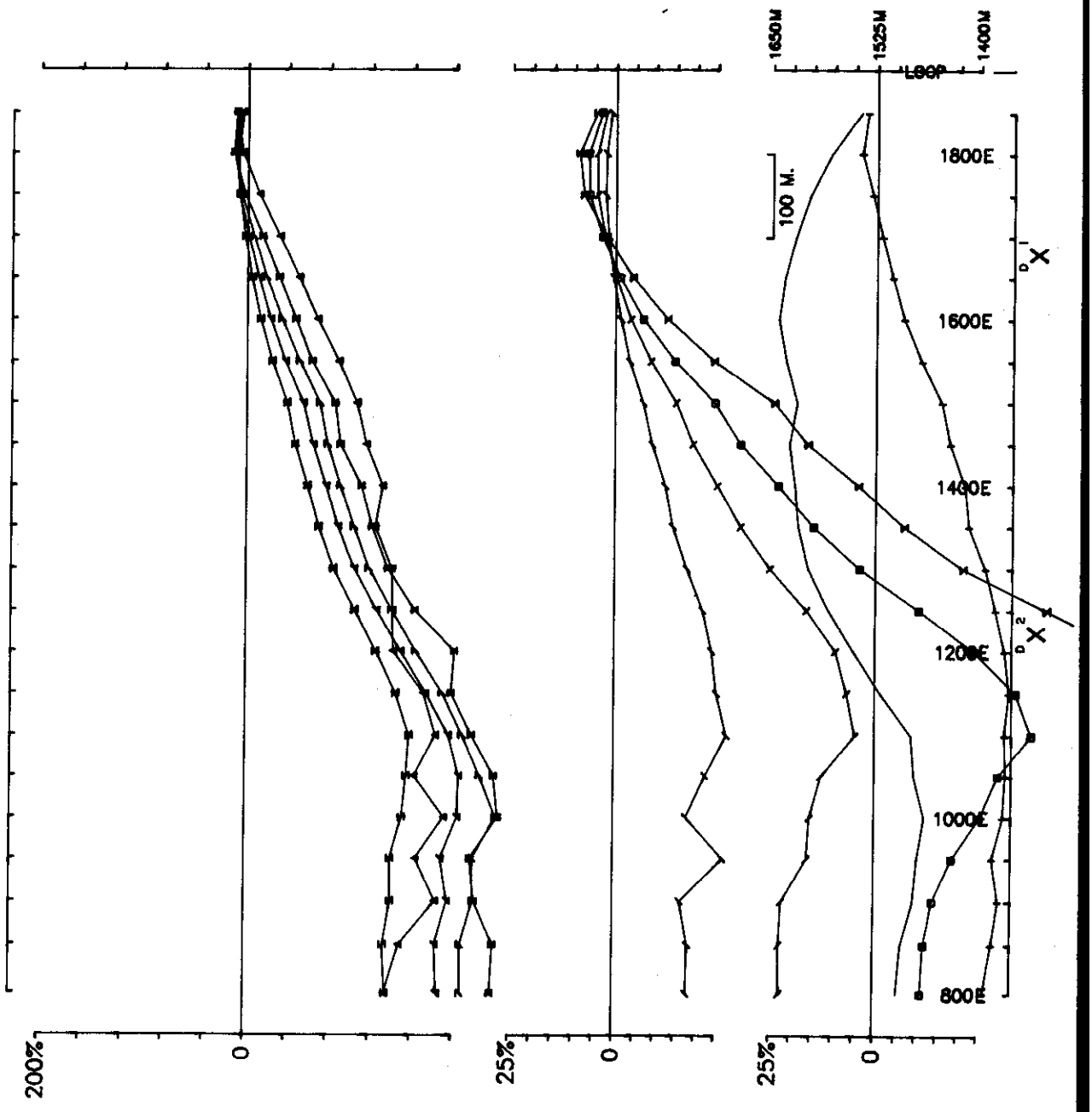


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3550N

Ch1 reduced. Ch1 normalized. Totals:P-999M./L-999M. Line Azim.: 250 . Rx Label: 35 Point Normalized.

D.S. 12 p

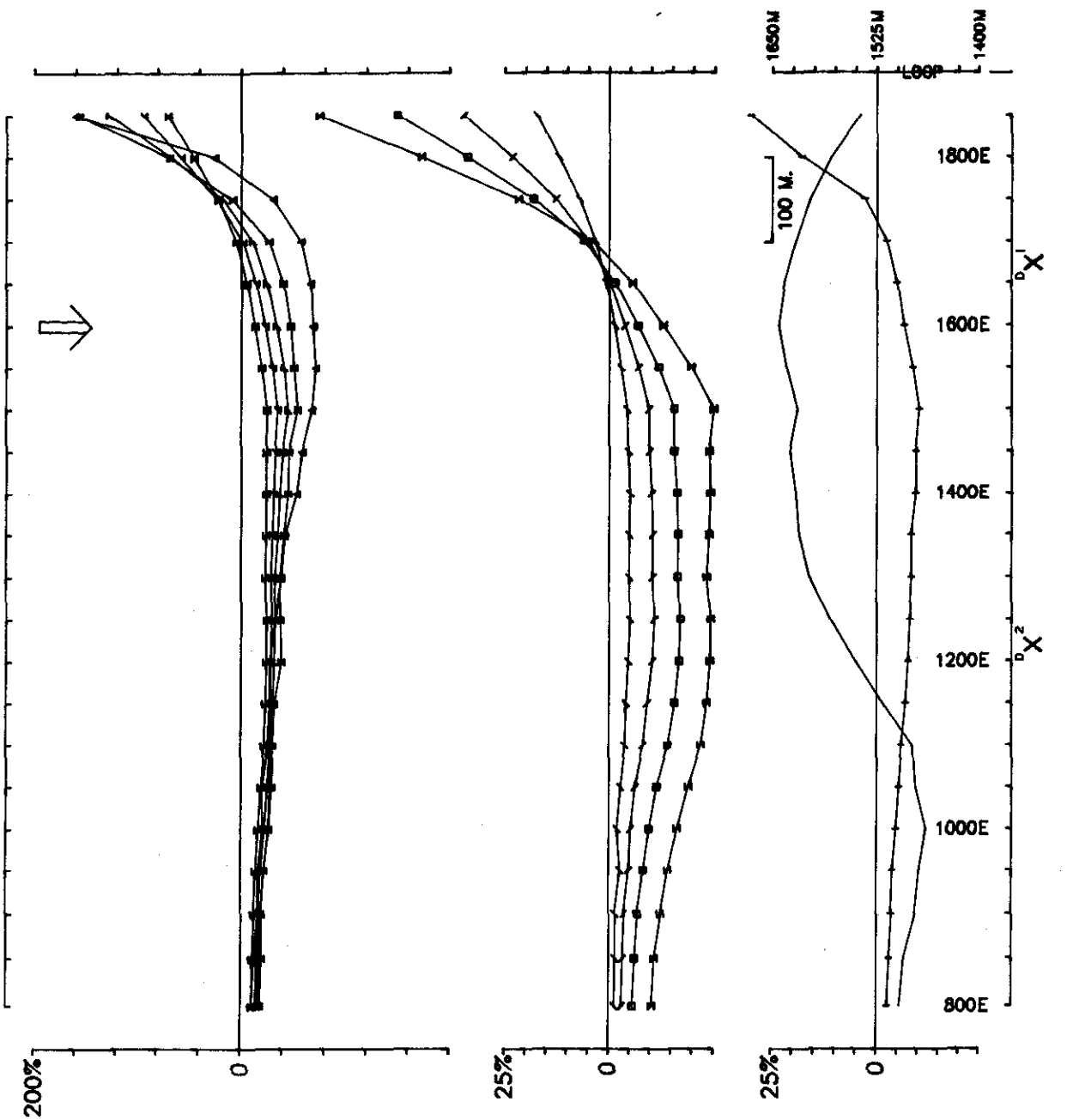


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3800N

Ch1 reduced. Ch1 normalized. Totals:P- 1061M./L- 1061M. Line Azim.: 250 . Rx Label: 38

D.S. 13

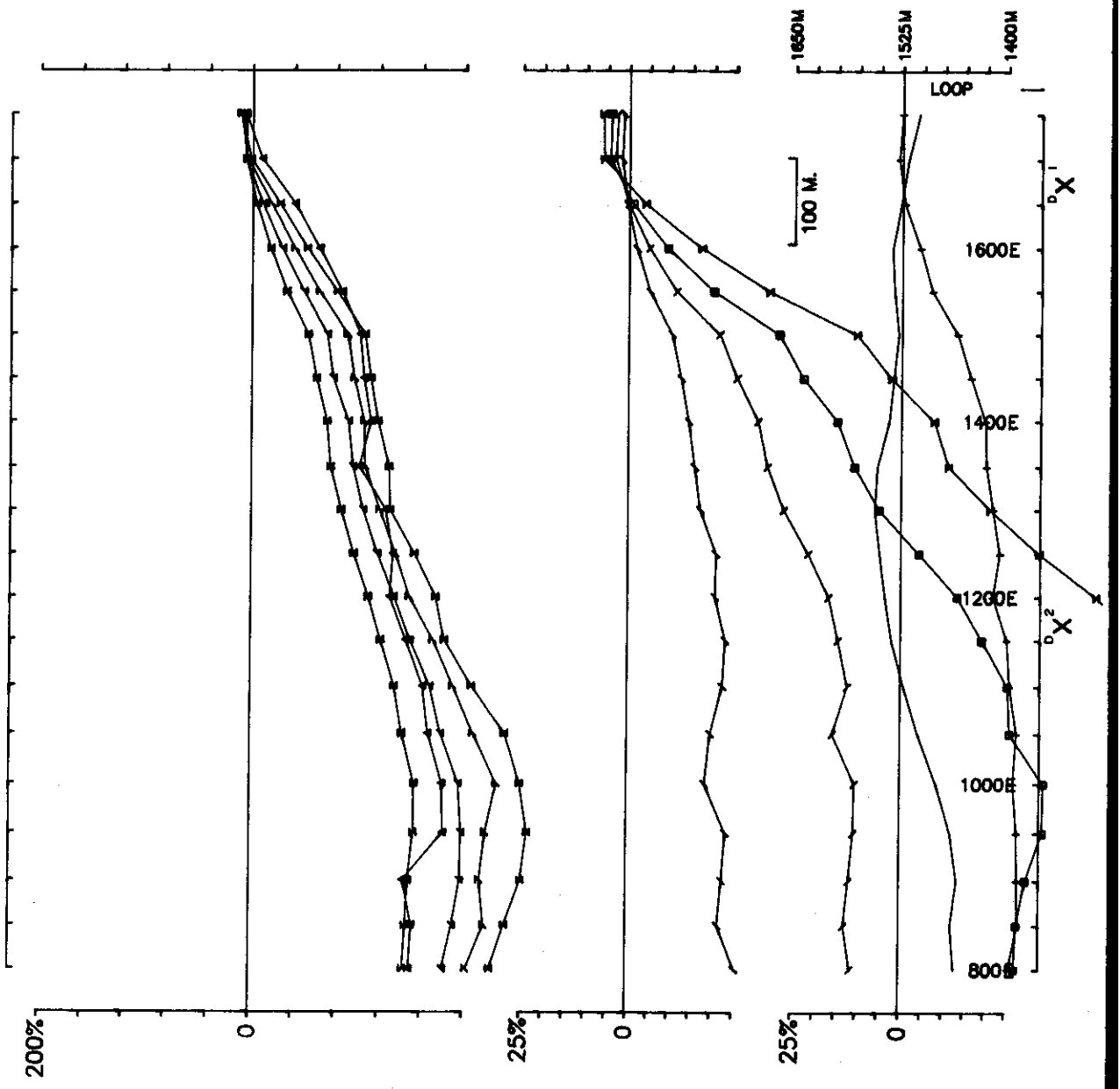


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 3800N

Ch1 reduced. Ch1 normalized. Totals:P- 1061M./L- 1061M. Line Azim.: 250 . Rx Label: 38 Point Normalized.

D.S. 13p

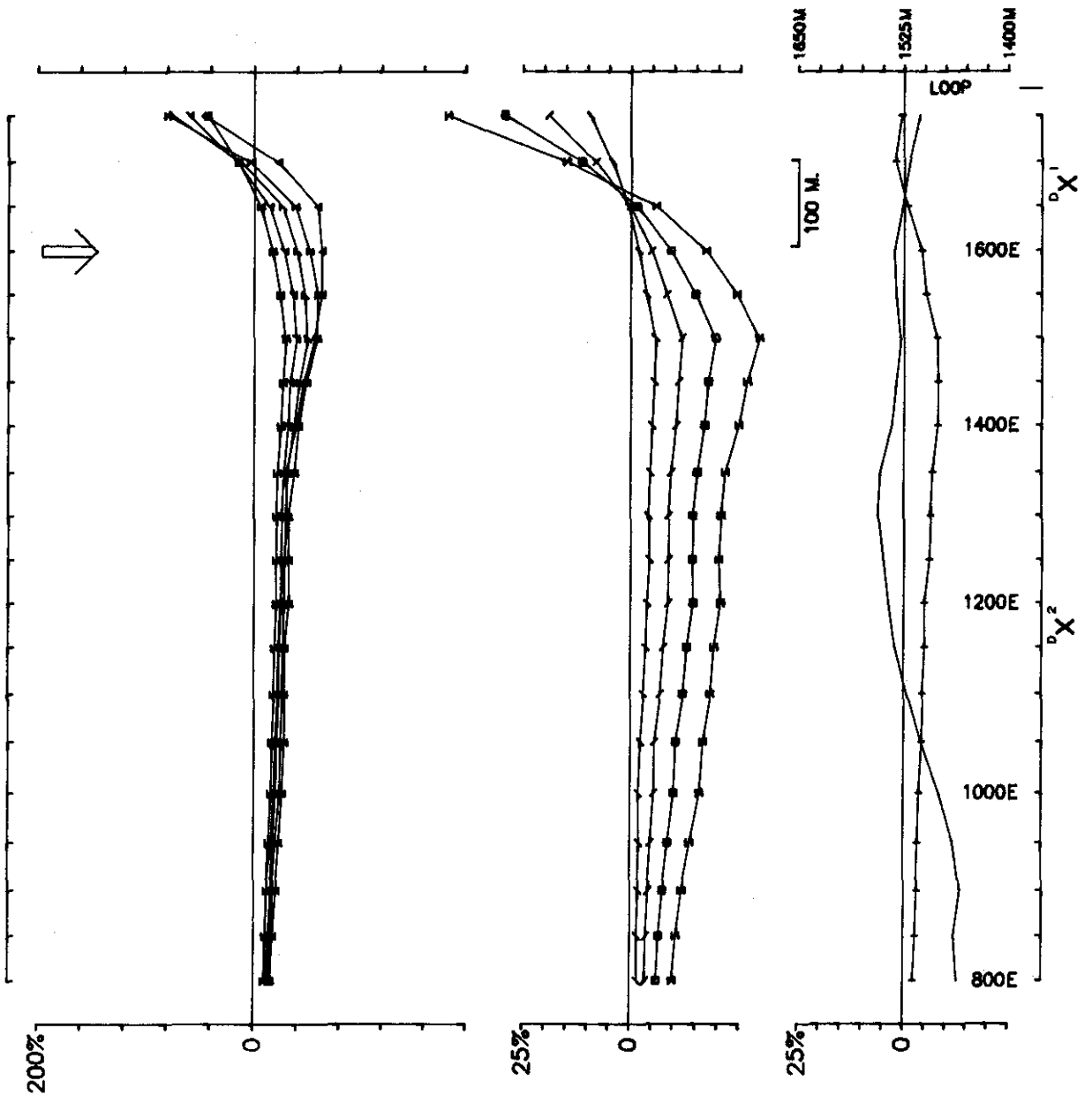


ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 4050N

Ch1 reduced. Ch1 normalized. Totals:P- 1001M. /L- 1001M. Line Azim.: 250 . Rx Label: 40

D.S. 14



ESTELLA 91 COMINCO Hz

Op: JJL & IJ Freq(Hz): 30.974 Loop: 5 Line: 4050N

Ch1 reduced. Ch1 normalized. Totals:P-1001M./L-1001M. Line Azim.: 250 . Rx Label: 40 Point Normalized.

D.S. 14p

Transmitter Loop and Loop number.

L-2800 N. Survey Line and Line number

UTEM Conductor

0 100 200 500 1000m

METRES

ESTELLA PROPERTY		NTS 82G/13
Drawn by:	Traced by:	CLAIM and GRID MAP
		FT. STEELE M.D., B.C.
Scale: 1:10,000	Date: NOV. 1991	Plate: 392-91-04

4550 N.

4300 N.

4050 N.

3800 N.

3550 N.

3300 N.

3050 N.

2800 N.

2500 N.

2200 N.

1900 N.

1600 N.

1300 N.

1000 N.

1000 E.

2800 E.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,935

SAMPLE NO

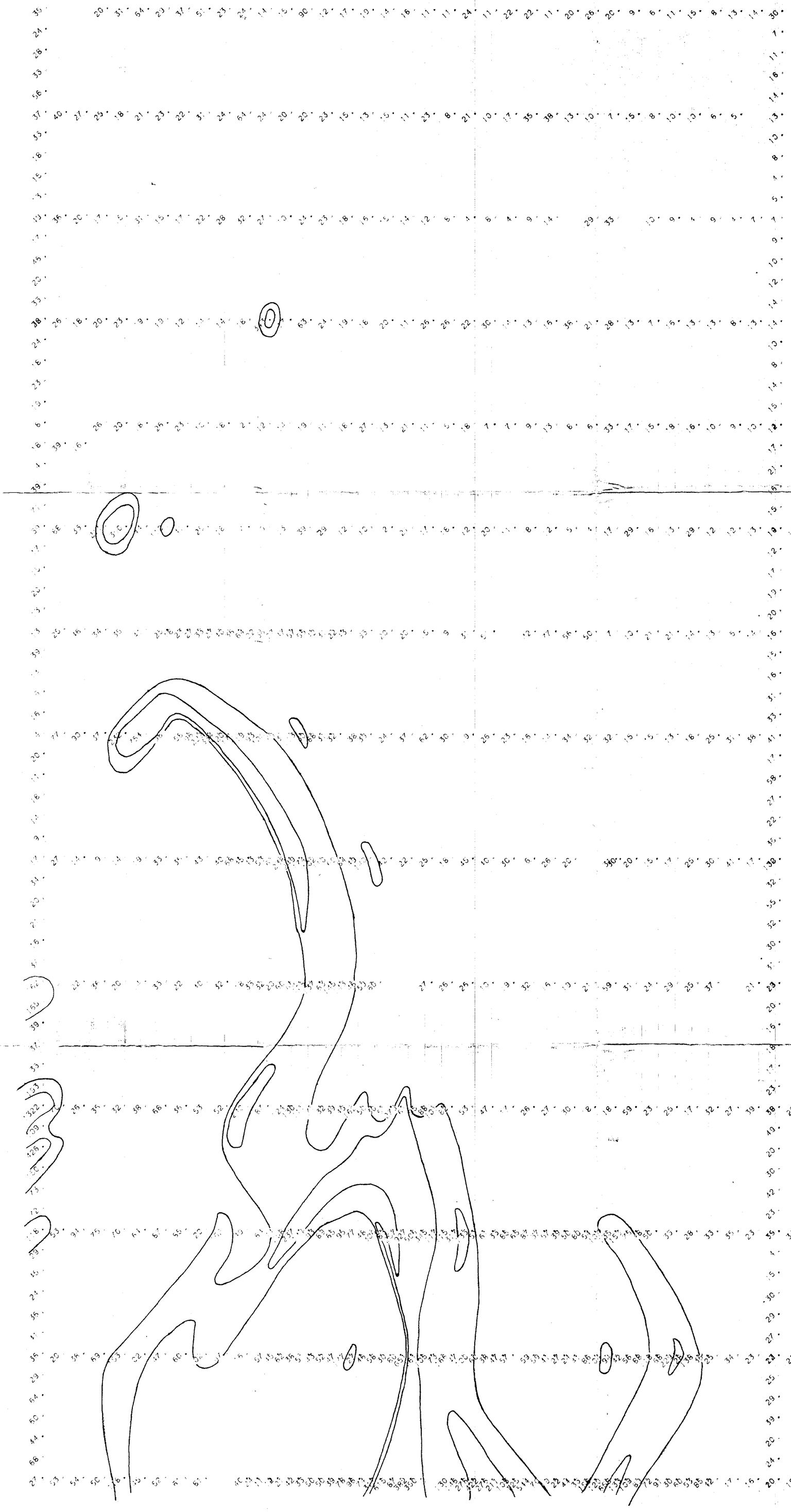
0 100.0 200.0 400.0 METRIC

ESTELLA 1991

DRAWN BY:		TRACED BY:	
REVISED BY	DATE	REVISED BY	DATE

SOIL GEOCHEMISTRY
SAMPLE NUMBERS

SCALE: 1:5000 | DATE: MAY 1992 | PLATE:



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,935

Contours at:
100ppm
200ppm

PB PPM

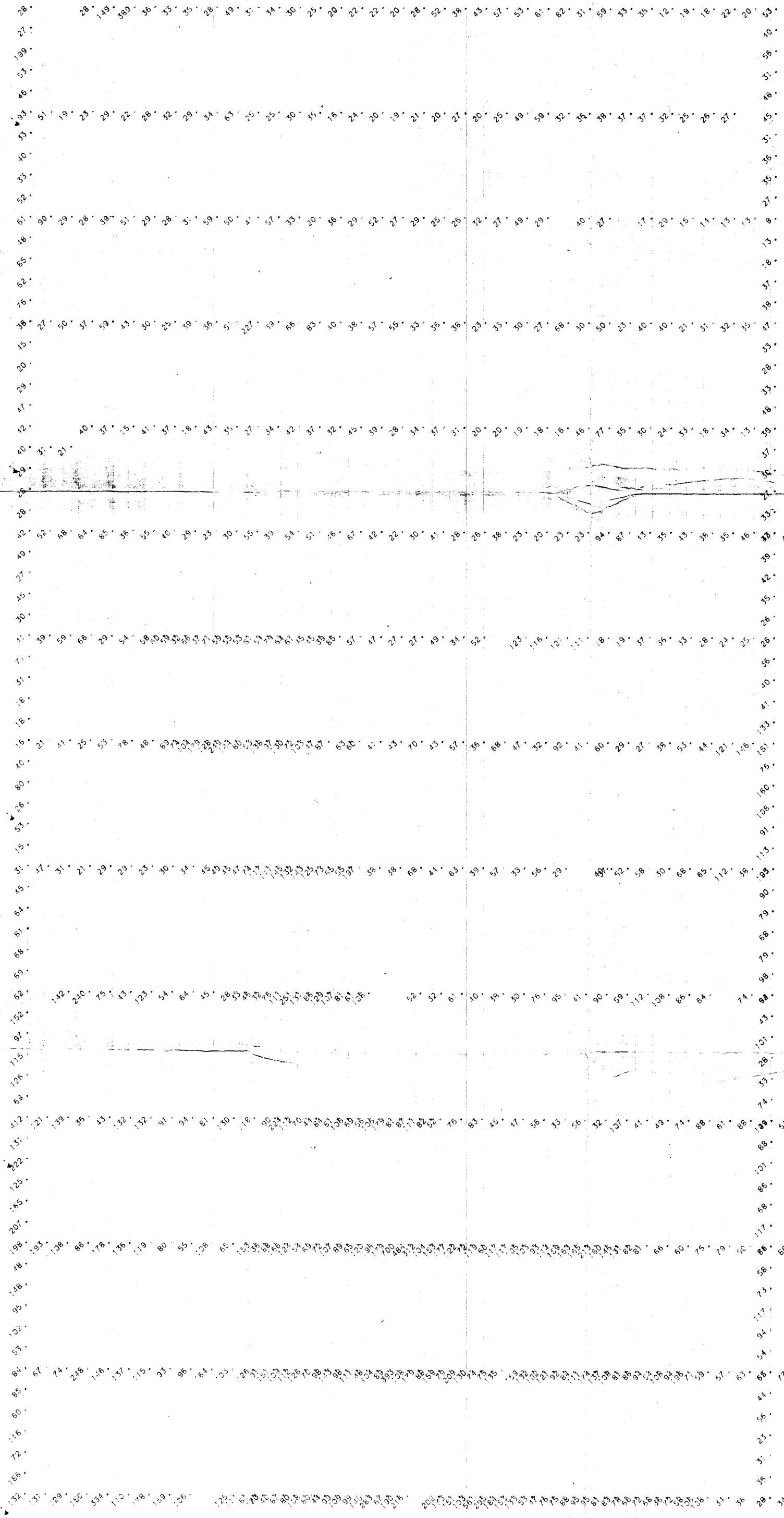
0.0 100.0 200.0 400.0 METRIC

ESTELLA 1991

DRAWN BY:		TRACED BY:	
REVISED BY:	DATE:	REVISED BY:	DATE:

SOIL GEOCHEMISTRY
PB PPM

SCALE: 1:5000 | DATE: FEB. 1992 | PLATE: 7



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,935

ZN PPM

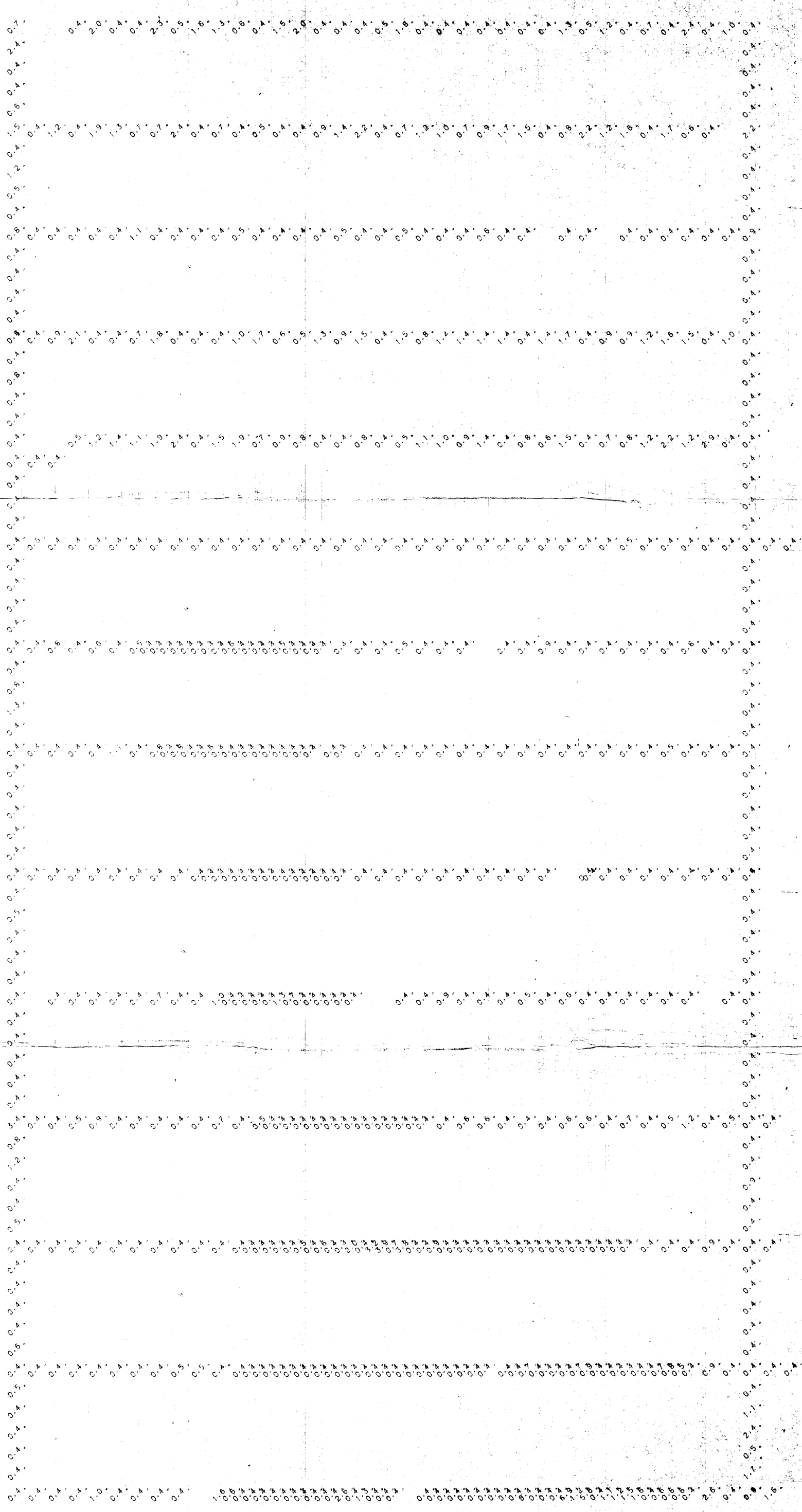
0.0 100.0 200.0 400.0 METRIC

ESTELLA 1991

DRAWN BY:		TRACED BY:	
REVISED BY:	DATE:	REVISED BY:	DATE:

SOIL GEOCHEMISTRY
ZN PPM

SCALE: 1:5000 | DATE: FEB 1992 | PLATE: 8



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,935

AG PPM

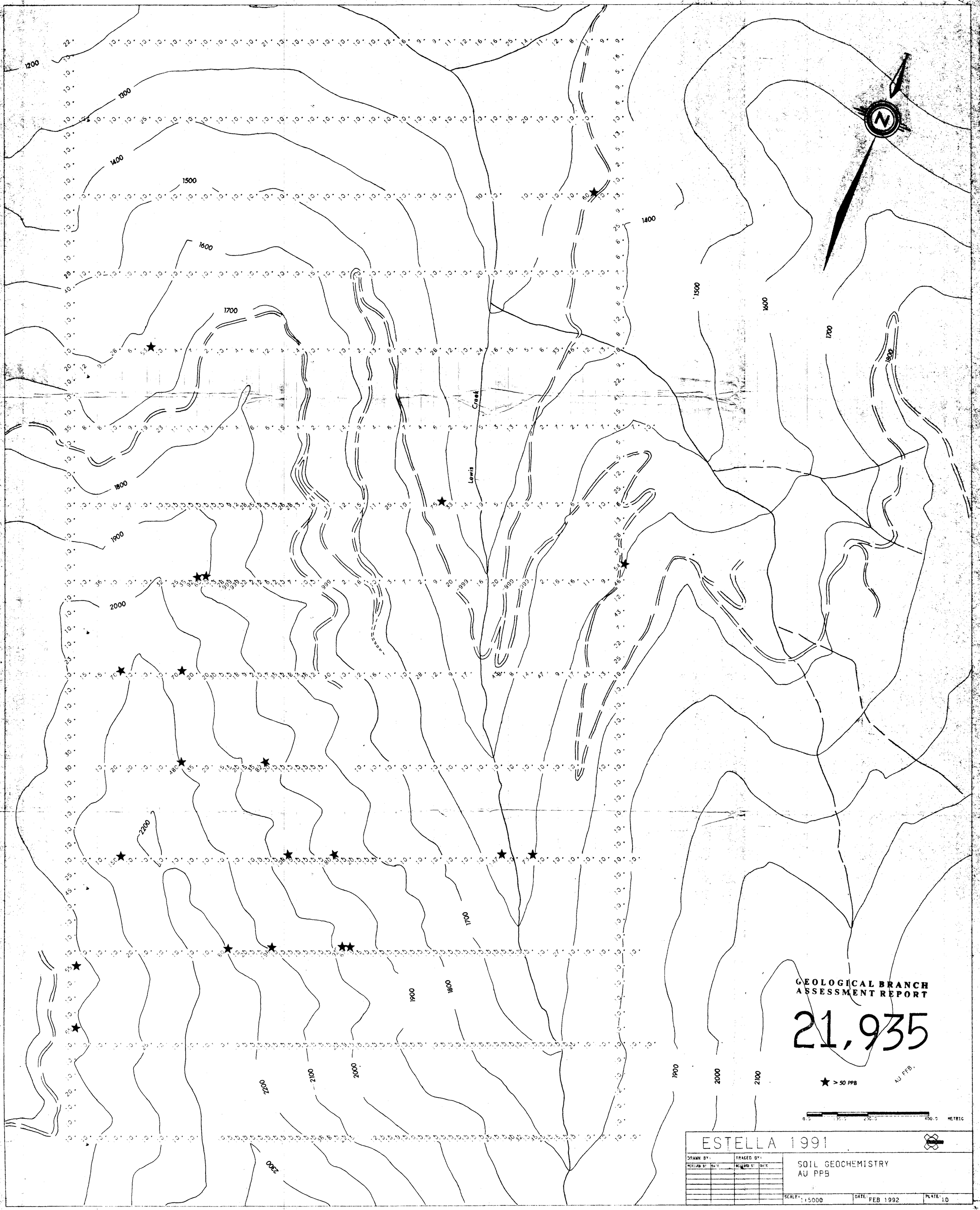
0.0 100.0 200.0 400.0 METRES

ESTELLA 1991

DRAWN BY:		TRACED BY:	
REVISED BY	DATE	REVISED BY	DATE

SOIL GEOCHEMISTRY
AG PPM

SCALE: 1:5000 | DATE: FEB 1992 | PLATE: 1


1200
1300
1400
1500
1600
1700
1800
1900
2000
2200
2100
2300
Creek
Lewis
N
GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,935
★ > 50 PPB
AU PPB.
0.0
100.0
200.0
400.0 METRIC
ESTELLA 1991
DRAWN BY:
TRACED BY:
REVISED BY: DATE
REVISED BY: DATE
SOIL GEOCHEMISTRY
AU PPB
SCALE: 1:5000
DATE: FEB 1992
PLATE: 10