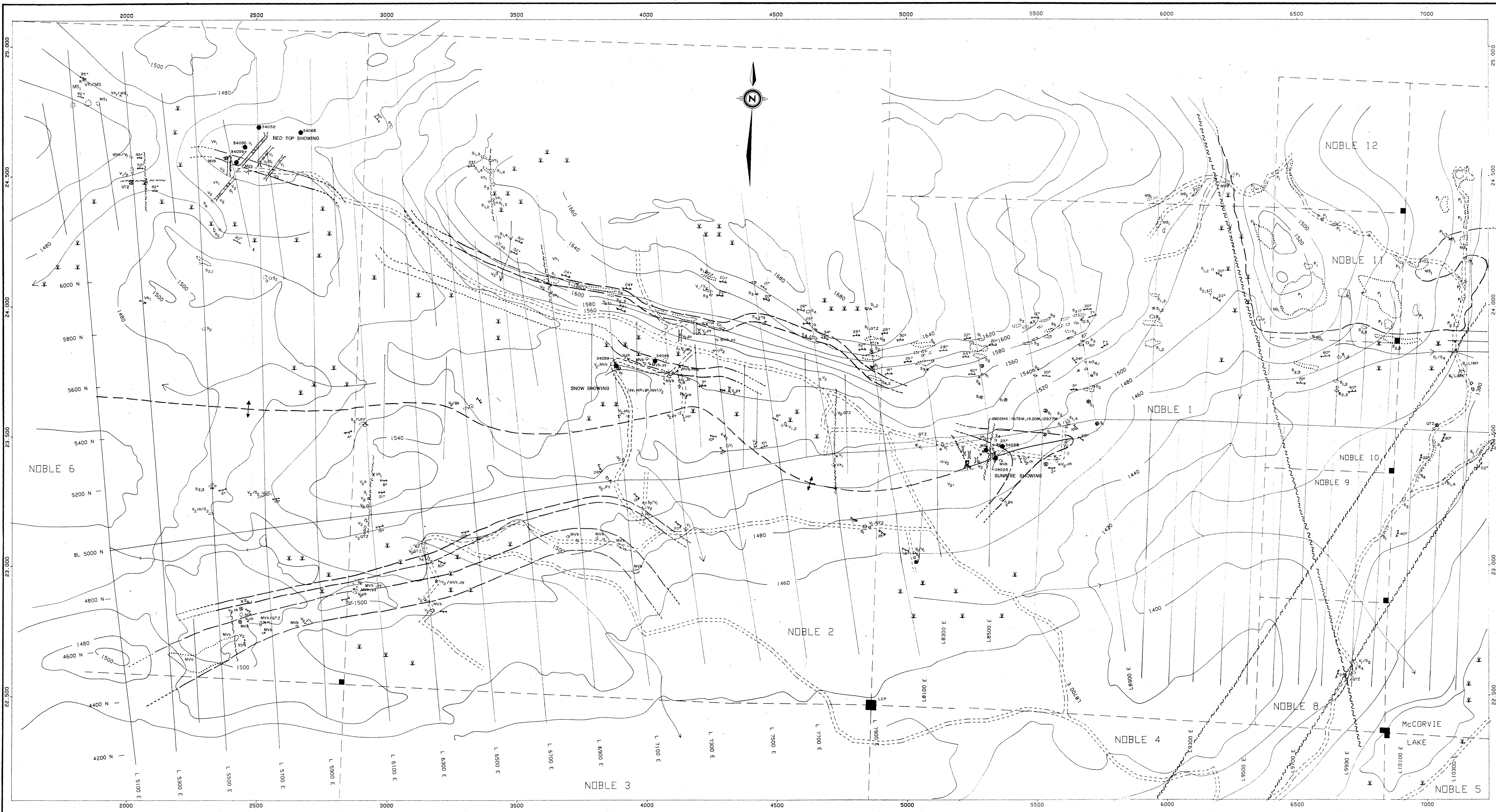


Geological and Geochemical
Assessment Report
of the
NOBLE 1-12 CLAIMS
NTS 82M/12W
Lat. 51°36'N Long. 119°47'W
by
Lorne Warner, Geologist
April 1990

VOLUME #

20019
Part 2
of 3



Volcanics

V1 Sericite Schist; fine grained, medium grey, generally well foliated, rusty weathered surface, minor limy/skarified sections.

V2 Quartz-Sericite Schist; fine grained, light grey-white, generally well foliated, minor limy/limestone sections.

VH1 Mafic Dyke; fine grained, dark grey-black, feldspar phenocrysts, associated with shear/fault zones.

Intrusives

P1 Biotite Granodiorite; medium grained, white - black, equigranular.

P2 Granite; fine grained, light grey - white, equigranular.

Sedimentary

S1 Phyllite; very fine grained, dark grey-black, moderately to well foliated ± graphic sections.

S2 Feldspathic Litharenite; fine grained, medium to dark grey, moderately foliated to massive.

S2a same as S2 except has fine felsic fragments (Tuff?)

S3 Litharenite-Arenite; fine grained, medium grey, generally massive.

S4 Limestone; crystalline, dark bluish grey to white, highly calcareous poorly foliated to massive, units S1-S3 can be intercalated with limestone.

Metamorphic

MS Hornfels; fine grained, massive, medium grey to black, conical fractures.

MVB metamorphosed mafic volcanic, carbonitized, fine grained, massive, medium greenish-grey to dark green, non calcareous.

Abbreviations

po - pyrrhotite py - pyrite Bx - Breccia

gn - galena epi - epidote Qtz/Carb - Quartz-Carbonate alteration

sph - sphalerite ch - chlorite Si - Siliceous

cpy - chalcopyrite mag - magnetite Fe - Rusty

bl - bleached Qtz - Quartz Vein/Sweat

SYMBOLS

Anticline

Strike and dip of foliation

Horizontal foliation

Fault/shear zone

Outcrop, (large, small)

Subcrop

Geological Contact:

- inferred

- assumed

Trench

LEGEND

POI GRID LINES

LEGAL CORNER POST

CLAIM LINE

LAKE OR SLOUGH

SWAMPY AREA

STREAM; CONTINUOUS FLOW

STREAM; INTERMITTENT FLOW

CONTOUR LINES (METERS)

SECONDARY OR LOGGING ROAD

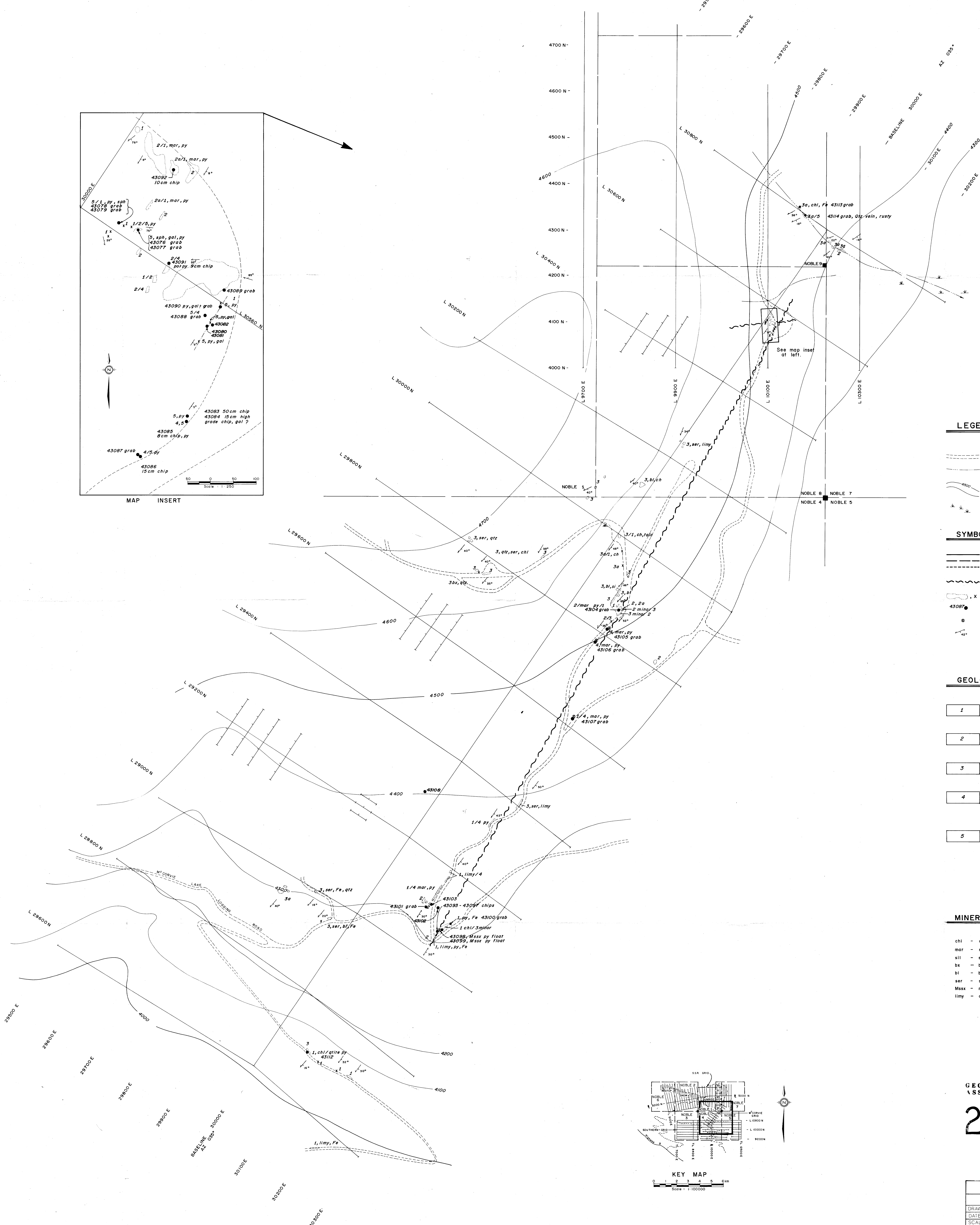
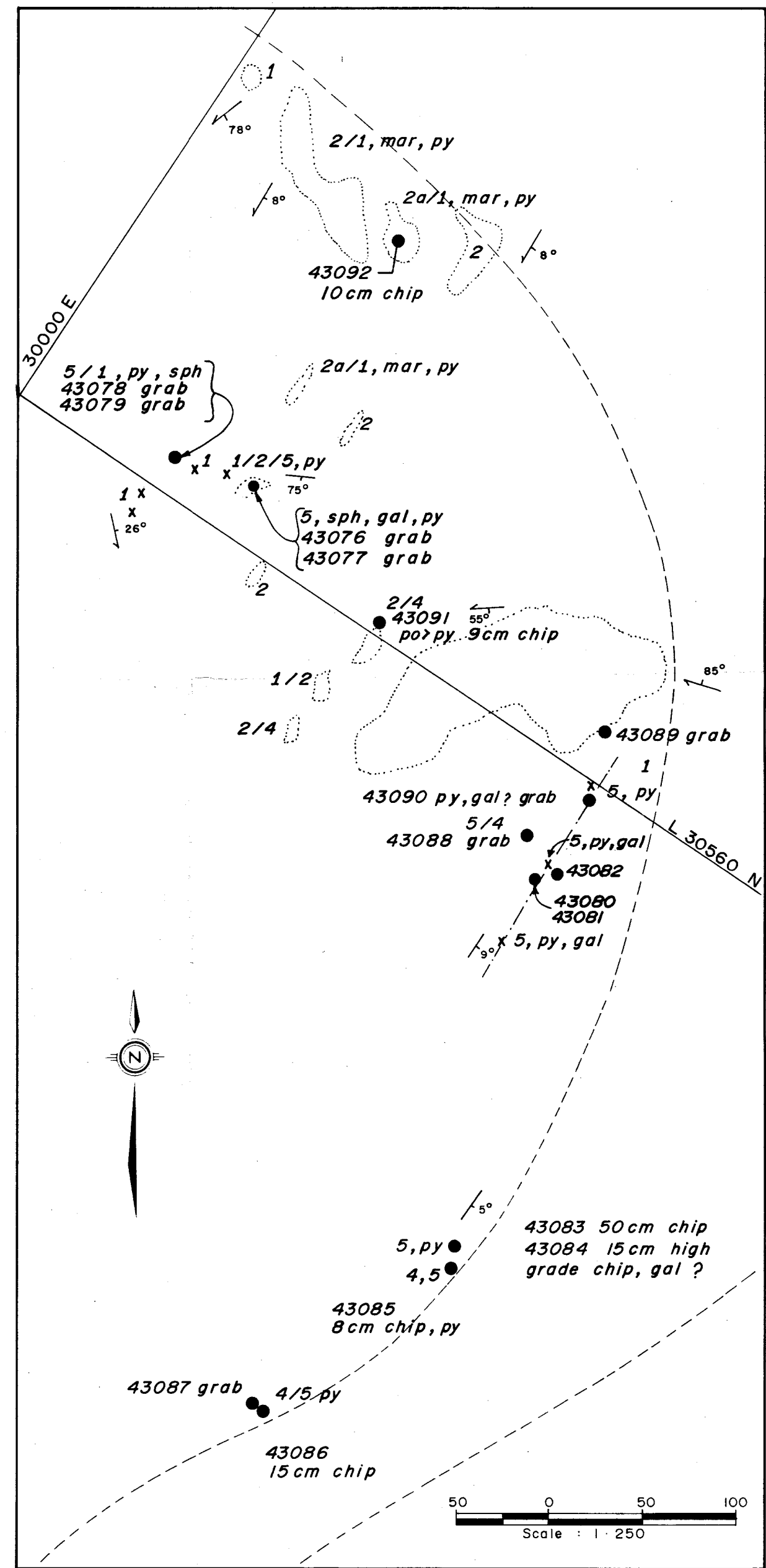
THIN SECTION SAMPLE LOCATION

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,019

Part 2 of 3

PLACER DOME INC.	
NOBLE CLAIMS V188	
DRAWN: GAD	GEOLOGY MAP AND
DATE: MAY 90	THIN SECTION LOCATION MAP
SCALE: 1:5000	REV. FIGURE 4



LEGEND

- LOGGING ROAD
- CREEK
- CONTOURS (feet)
- SWAMPY
- L 30000 N P.D.I. GRID LINE (1989)
- L 30000 E P.D.I. GRID LINE (1989)
- CLAIM BOUNDARY AND POST

SYMBOLS

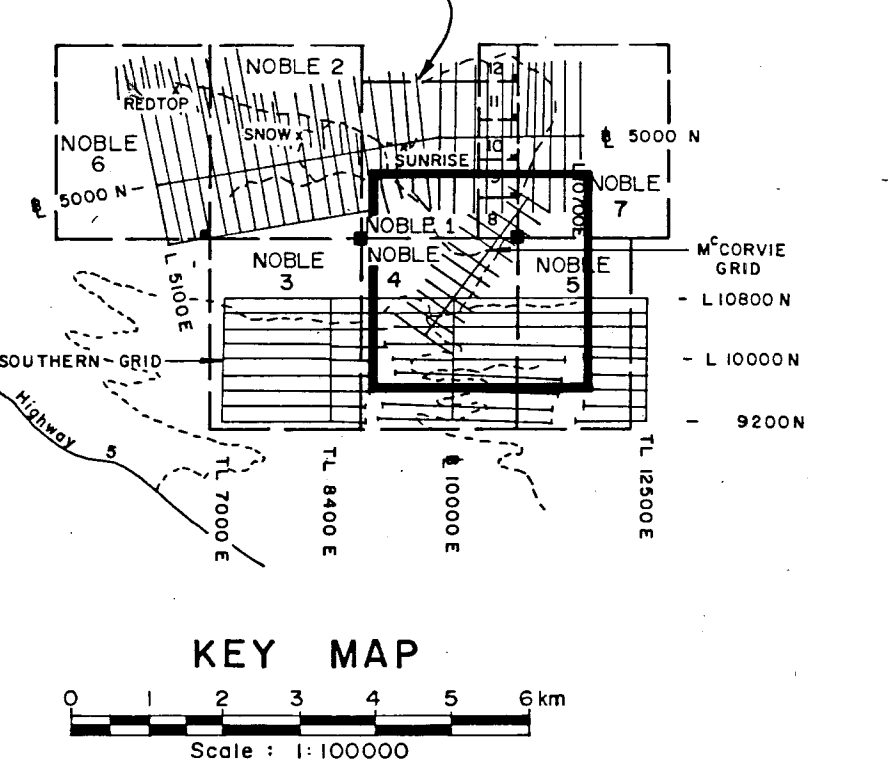
- GEOLOGICAL CONTACT; DEFINED
- INFERRED
- ASSUMED
- FAULT, SHEAR ZONE (assumed)
- OUTCROP LARGE, SMALL
- ROCK SAMPLE NUMBER & LOCATION
- SUBCROP
- STRIKE & DIP OF FOLIATION

GEOLOGY

- 1** SERICITE SCHIST
Light to medium grey, highly oxidized surface, fine to medium grained, well foliated, bleaching, silicification, highly calcareous, ankeritic sections, clean to dirty, intercalations of phyllite.
- 2** LIMESTONE
Light to dark grey, fine to medium grained, recrystalline, highly calcareous, ankeritic sections, clean to dirty, intercalations of phyllite.
- 3** PHYLLITE
Dark grey to black, fine grained, moderately to well foliated, graphitic sections, minor disseminated and fracture filling pyrite.
- 4** QUARTZ-CARBONATE ZONE
Shear zone containing altered sericite schists and limestone with quartz veins. Zone can contain up to 40% ankerite, 2% mariposite, 30% free quartz plus minor pyrite and magnetite, zone is generally highly oxidized.
- 5** QUARTZ VEIN
Clear to milky white, fine to coarse crystalline & ankerite, pyrite, pyrrhotite, sphaerulite and galena, veins are discordant and concordant to stratigraphy.

MINERALS

- chl - chlorite
- mar - mariposite
- sil - sillicious
- bx - brecciated
- bl - bleached
- ser - sericite
- Mssx - massive pyrite
- limy - carbonate rich
- py - pyrite
- po - pyrrhotite
- sph - sphalerite
- gal - galena
- car - carbonates (ankerite)
- Fe - iron oxidized
- mag - magnetite



GEOLOGICAL BRANCH ASSESSMENT REPORT

20,019 Part 2 of 3

CONTOUR INTERVAL 100 feet

0 125 250 metres

FIG. 5

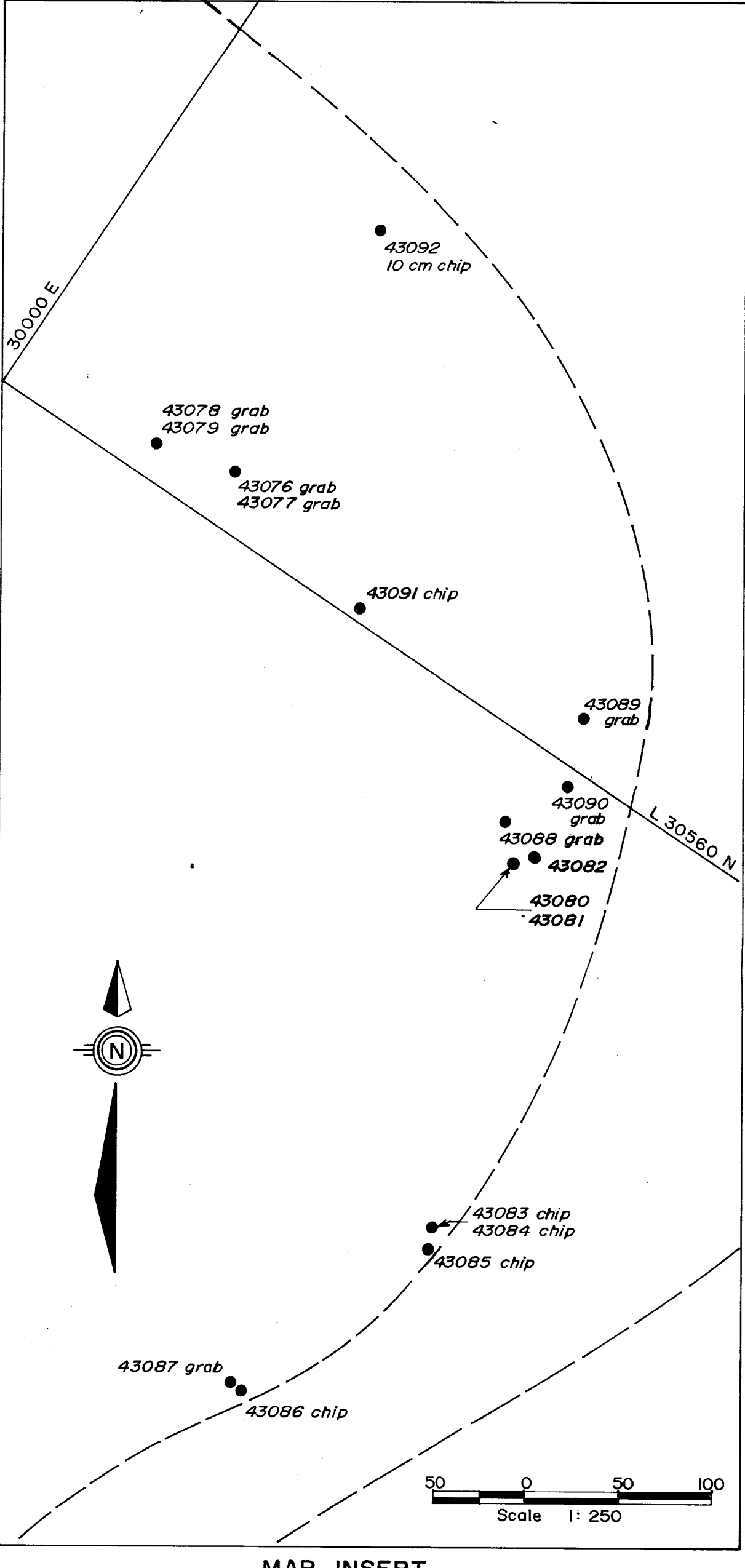
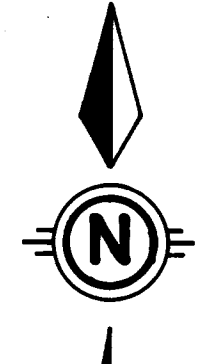
PLACER DOME INC.

NOBLE CLAIMS

DRAWN DBM
DATE JULY 1989
SCALE 1:2500
REVISED

MCCORVIE GRID
Geology

FILE No. FIGURE



NOBLE PROPERTY - MCCORVIE GRID - 1989 ROCK SAMPLE ASSAYS

SAMPLE #	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Hg (ppb)	As (ppm)
43076	6470	>30.0 (6P-4 g/t)	284	>1000 (4.48 %)	>1000 (5.67 %)	165	17
43077	425	1.3	56	138	206	15	52
43078	2450	1.9	151	208	656	10	391
43079	1970	1.3	234	570	>1000 (1.13 %)	5	135
43080	425	3	49	185	196	<5	4
43081	35	1	254	574	352	<5	22
43082	20	4	95	356	97	<5	1
43083	15	<1	11	14	14	10	3
43084	25	2	62	8	16	5	10
43085	25	3	34	11	23	<5	2
43086	25	3	34	9	26	<5	16
43087	25	3	47	6	14	<5	13
43088	20	4	9	6	23	<5	2
43089	15	2	8	5	5	40	1
43090	20	3	248	12	41	50	6
43091	30	<1	32	26	46	35	10
43092	25	<1	23	21	79	20	16
43093	20	<1	25	11	46	10	4
43094	10	<1	42	12	51	10	16
43095	25	<1	48	14	50	10	1
43096	15	1	87	16	51	15	43
43097	25	1	7	252	31	30	79
43098	90	1.8	>1000 (1.14 %)	12	6	<5	8
43099	60	<1	352	13	52	<5	17
43100	25	<1	59	13	120	15	17
43101	30	<1	77	10	48	10	19
43102	50	<1	34	18	45	19	26
43103	5	<1	31	63	5	20	43
43104	5	<1	26	207	131	<5	19
43105	10	<1	12	37	45	5	36
43106	5	<1	12	13	49	5	43
43107	5	2	73	9	51	<5	52
43108	5	<1	92	24	7	9	9
43112	20	1	15	23	31	30	5
43113	10	<1	40	39	66	5	3
43114	15	<1	7	4	4	<5	3

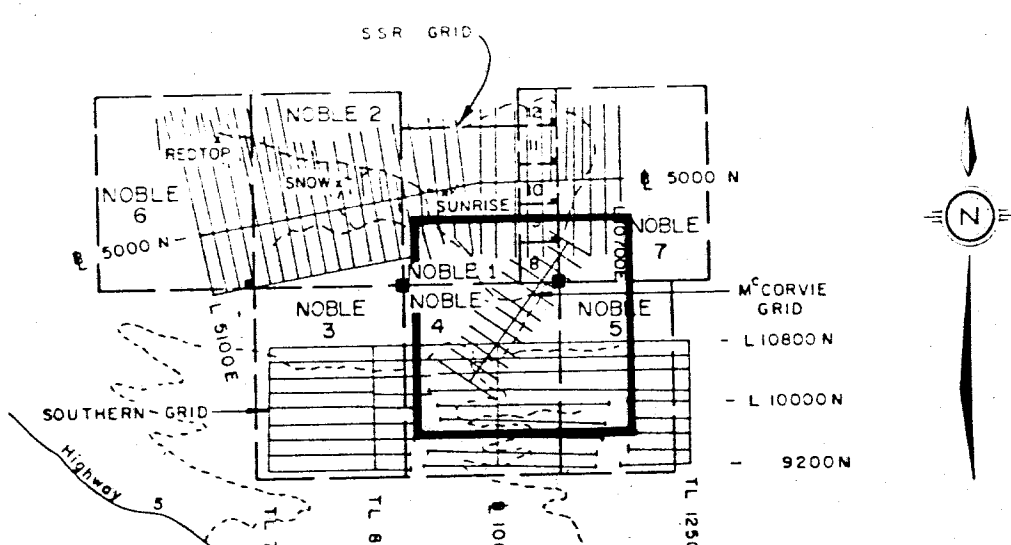
GEOLOGICAL BRANCH ASSESSMENT REPORT
20,019 *Part 2 of 3*

LEGEND

- LOGGING ROAD
- ~ CREEK
- 4400 CONTOUR INTERVAL
- P.D.I. GRID LINE
- CLAIM BOUNDARY
- 43098 ROCK SAMPLE NO. AND LOCATION

CONTOUR INTERVAL 100 FEET

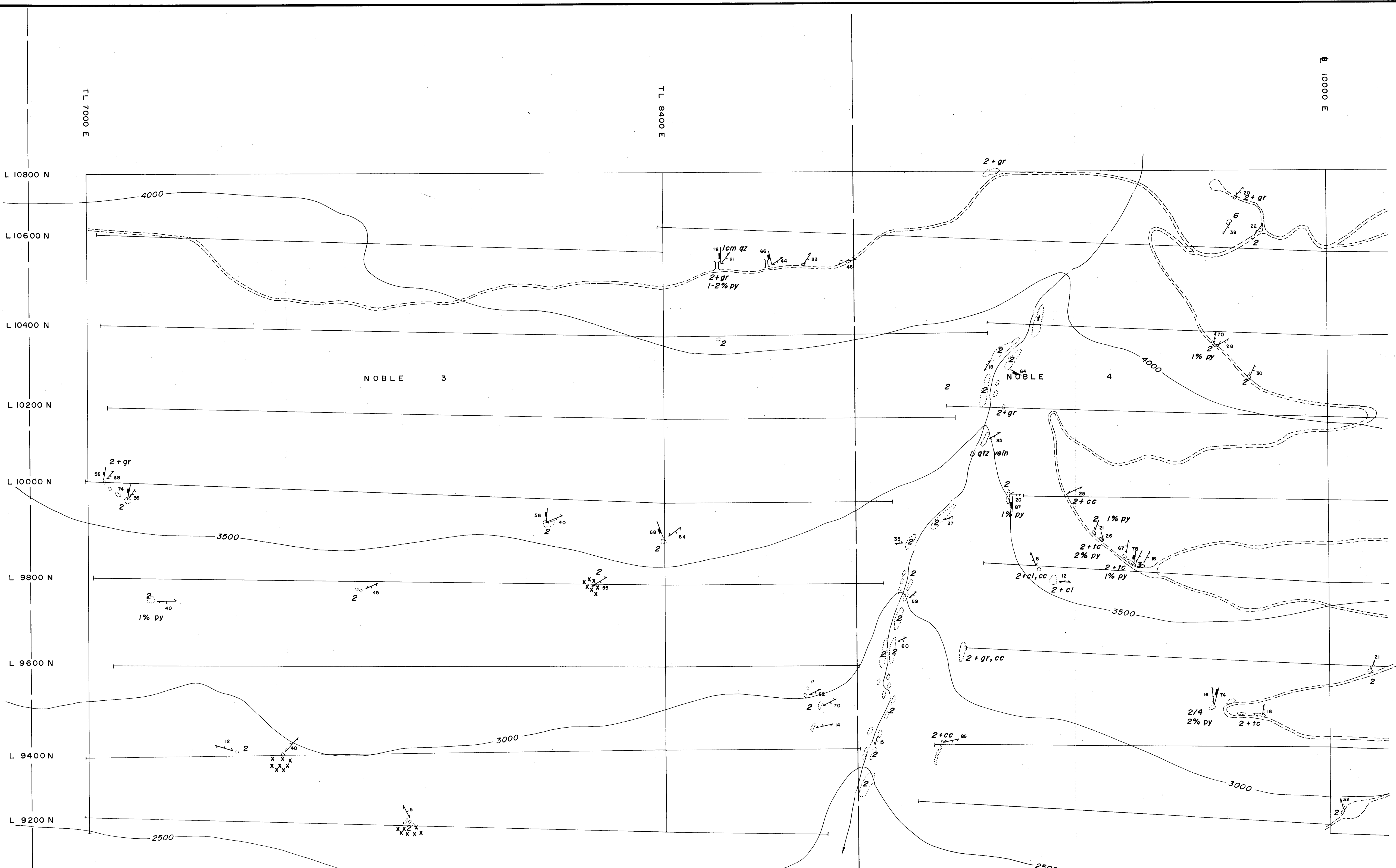
0 125 250 metres



PLACER DOME INC.
 NOBLE CLAIMS

DRAWN: GAD	MCCORVIE GRID
DATE:	SAMPLE LOCATION
SCALE: 1:2500	
REV:	

FIG. 6



LEGEND

- LOGGING ROAD
- CREEK
- CONTOUR INTERVAL 500 feet
- P.D.I. GRID LINE
- CLAIM BOUNDARY

GEOLOGY

- 1** Greenstone (mafic meta-volcanic) light to dark greenish grey, fine to medium grained, massive to moderately foliated, quartz-carbonate altered, ± cl.
- 2** Sericitic quartz phyllite, light to dark grey, bleached and oxidized ± cl, gr, tc, cc. Fine grained and well foliated, often with up to 2% disseminated py. Minor amounts of dark grey-black argillite and grey-brown quartzite.
- 3** Limestone and dolostone, light grey and white to tan brown, massive to well bedded, finely crystalline. May contain up to 2% disseminated py.
- 4** Sandstone, light to dark brown, coarse grained, poorly sorted, relatively unaltered.
- 5** Chlorite schist, dark greenish grey, well-foliated fine grained ± cc. 5a silicious chlorite schist.

MINERALS

- cl - chlorite tc - talc cc - calcite
- gr - graphite py - pyrite

SYMBOLS

- GEOLOGIC CONTACT DEFINED
- APPROXIMATE
- FAULT, SHEAR ZONE
- OUTCROP, FLOAT (talus)
- FOLIATION
- BEDDING
- JOINTS AND FRACTURES
- TRENCH
- ADIT

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,019 *Part 2 of 3*

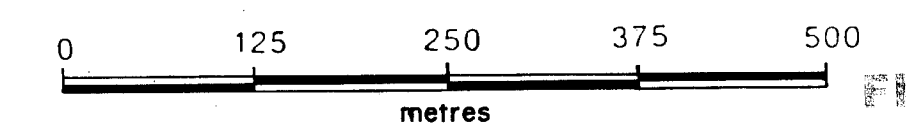
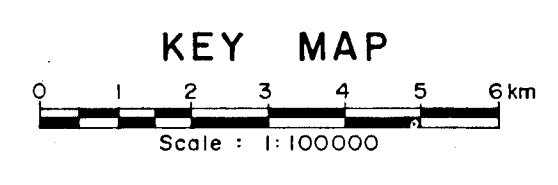
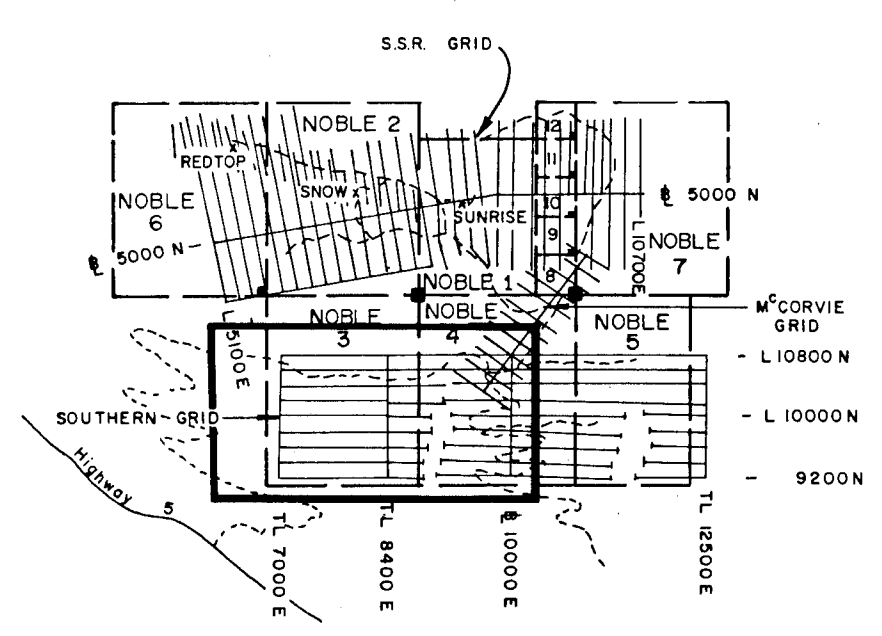
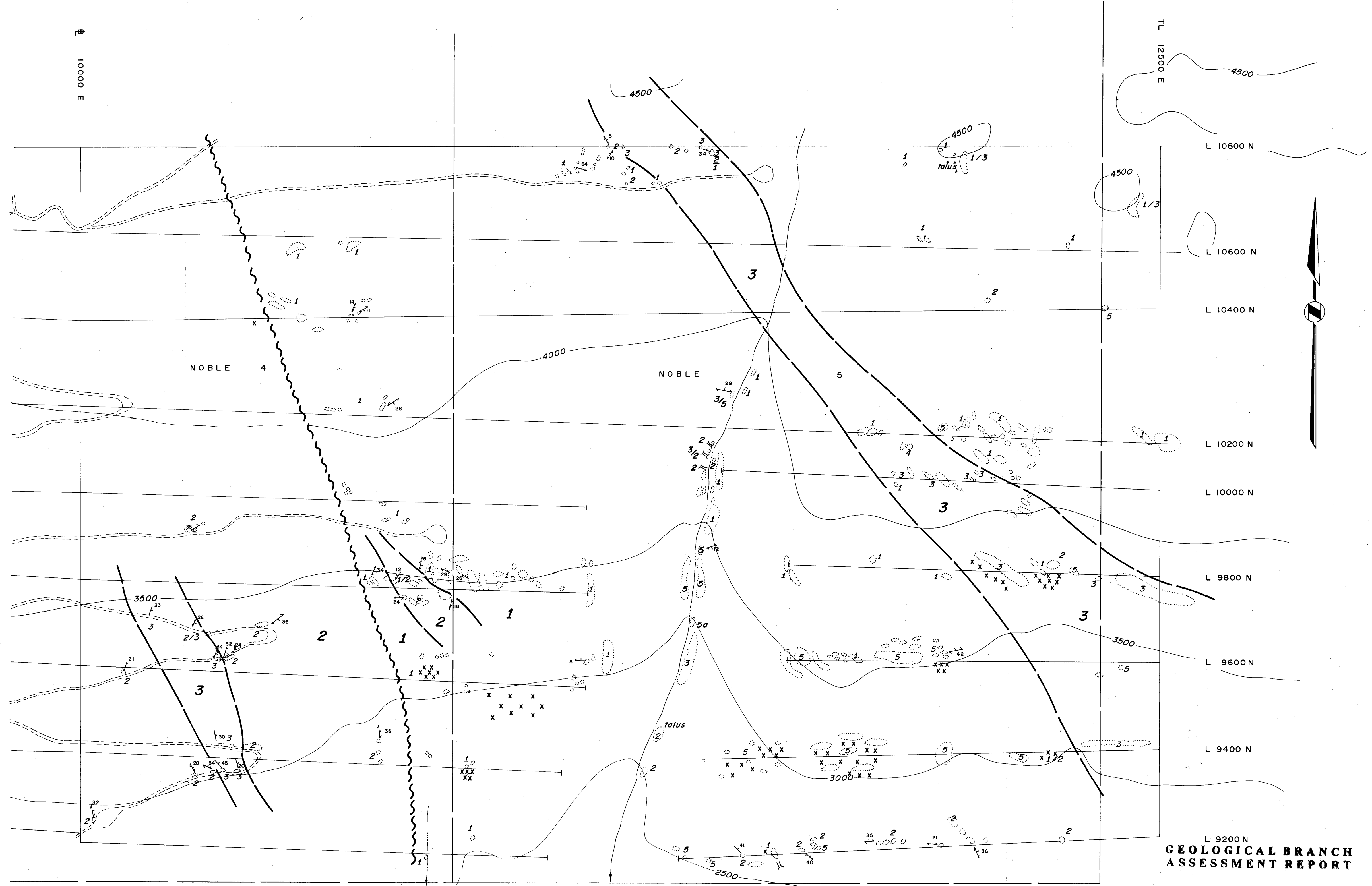


FIG. 7



PLACER DOME INC.	
NOBLE CLAIMS	
DRAWN DBM	SOUTHERN GRID
DATE JULY 1989	<i>Geology</i>
SCALE 1:5000	
REVISED	FILE No. FIGURE
	82M/12W



L 9200 N
**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

20,019

**Part 2
 of 3**

GEOLOGY

- 1** Greenstone, (mafic meta-volcanic) light to dark greenish grey, fine to medium grained, massive to moderately foliated, quartz-carbonate altered, ± cl.
- 2** Sericitic quartz phyllite, light to dark grey, bleached and oxidized ± cl, gr, tc, cc. Fine grained and well foliated, often with up to 2% disseminated py. Minor amounts of dark grey-black argillite and grey-brown quartzite.
- 3** Limestone and dolostone, light grey and white to tan brown, massive to well bedded, finely crystalline. May contain up to 2% disseminated py.
- 4** Sandstone, light to dark brown, coarse grained, poorly sorted, relatively unaltered.
- 5** Chlorite schist, dark greenish grey, well-foliated fine grained ± cc. 5a silicious chlorite schist.

MINERALS

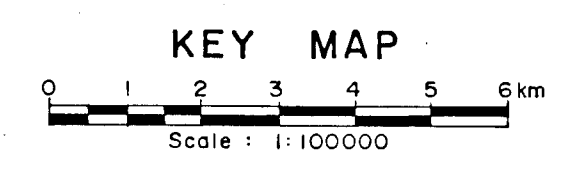
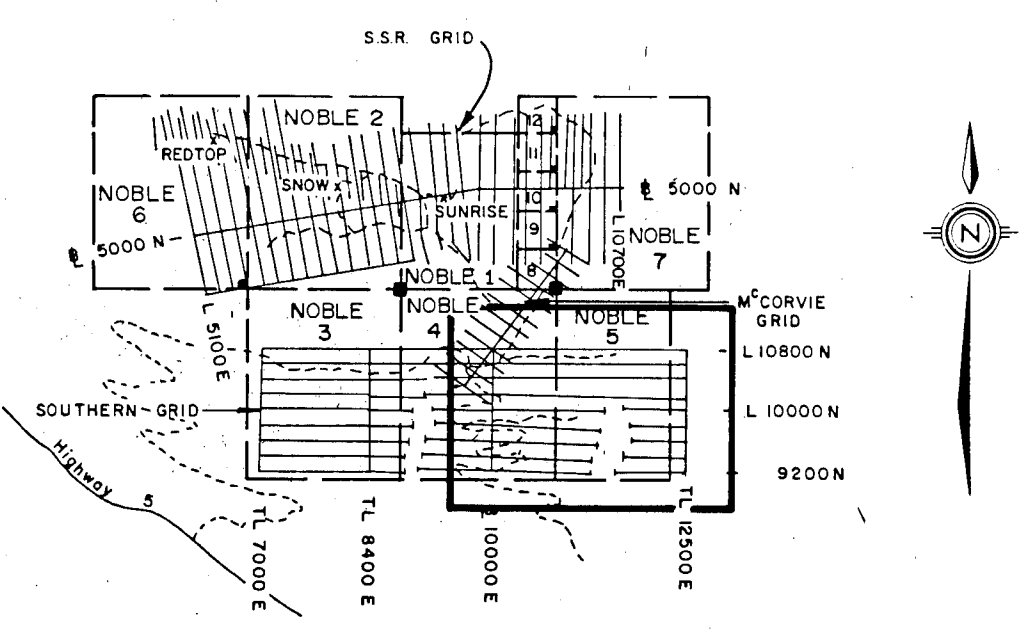
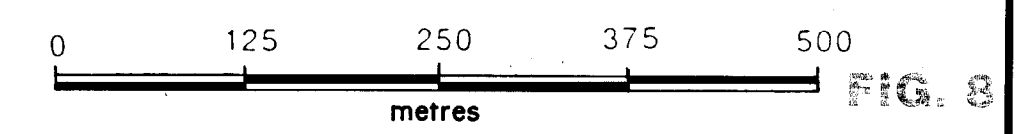
cl - chlorite tc - talc cc - calcite
 gr - graphite py - pyrite

SYMBOLS

- ===== GEOLOGIC CONTACT DEFINED
- GEOLOGIC CONTACT APPROXIMATE
- ~~~~~ FAULT, SHEAR ZONE
- , X OUTCROP, FLOAT (talus)
- ↗ FOLIATION
- ↘ BEDDING
- ↖ JOINTS AND FRACTURES
- TRENCH
- ADIT

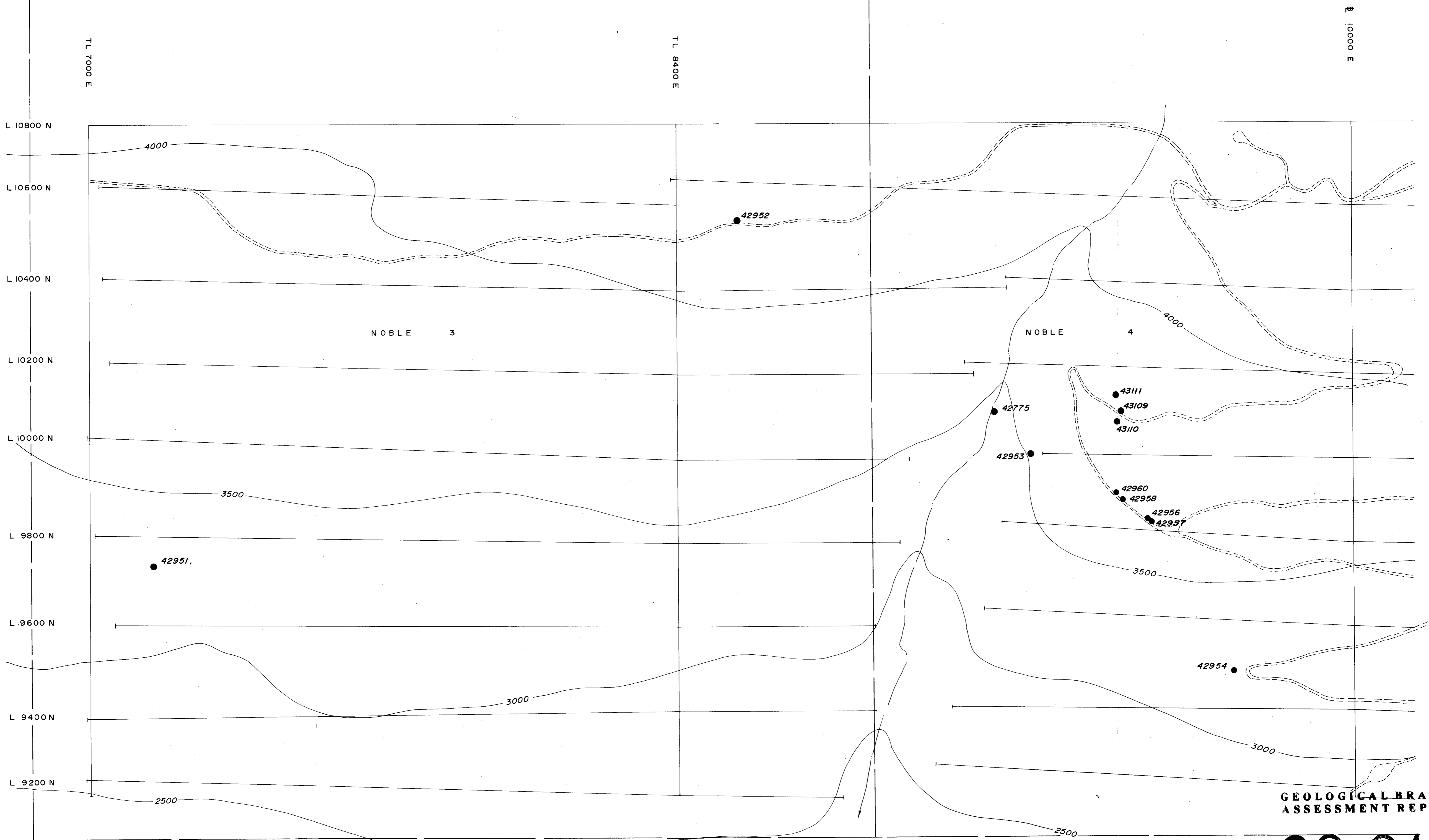
LEGEND

- LOGGING ROAD
- ~ CREEK
- 4500 CONTOUR INTERVAL 500 feet
- P.D.I. GRID LINE
- CLAIM BOUNDARY



PLACER DOME INC.
NOBLE CLAIMS

DRAWN DBM	SOUTHERN GRID Geology
DATE JULY 1989	
SCALE 1:50000	
REVISED	
FILE No FIGURE	82M:12W

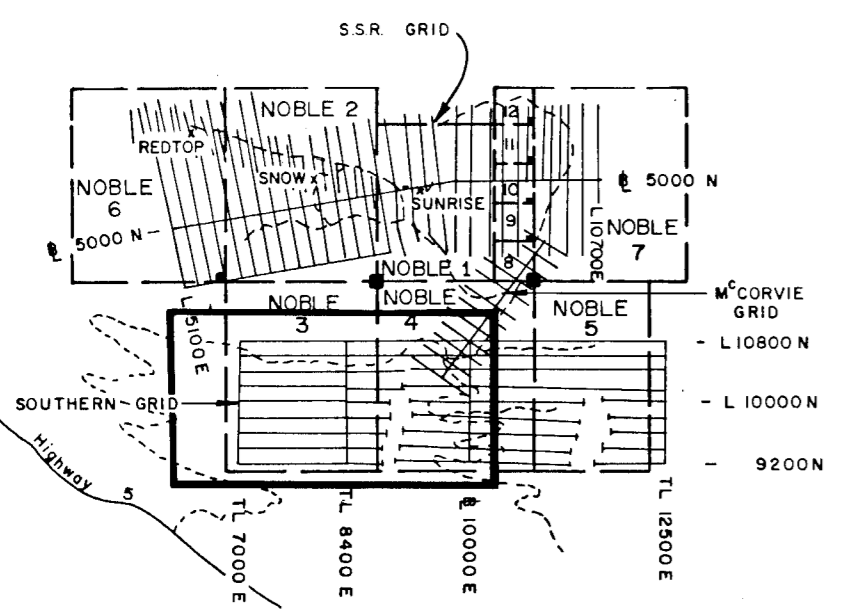


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

LEGEND

- LOGGING ROAD
- CREEK
- CONTOUR INTERVAL 500 feet
- P.D.I. GRID LINE
- CLAIM BOUNDARY
- ROCK SAMPLE NUMBER & LOCATION

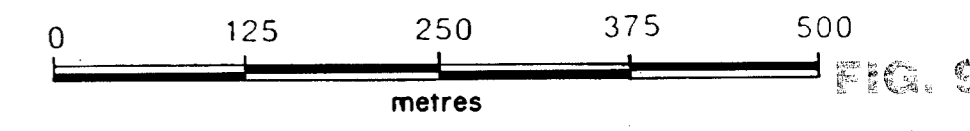
20,019
Part 2 of 3



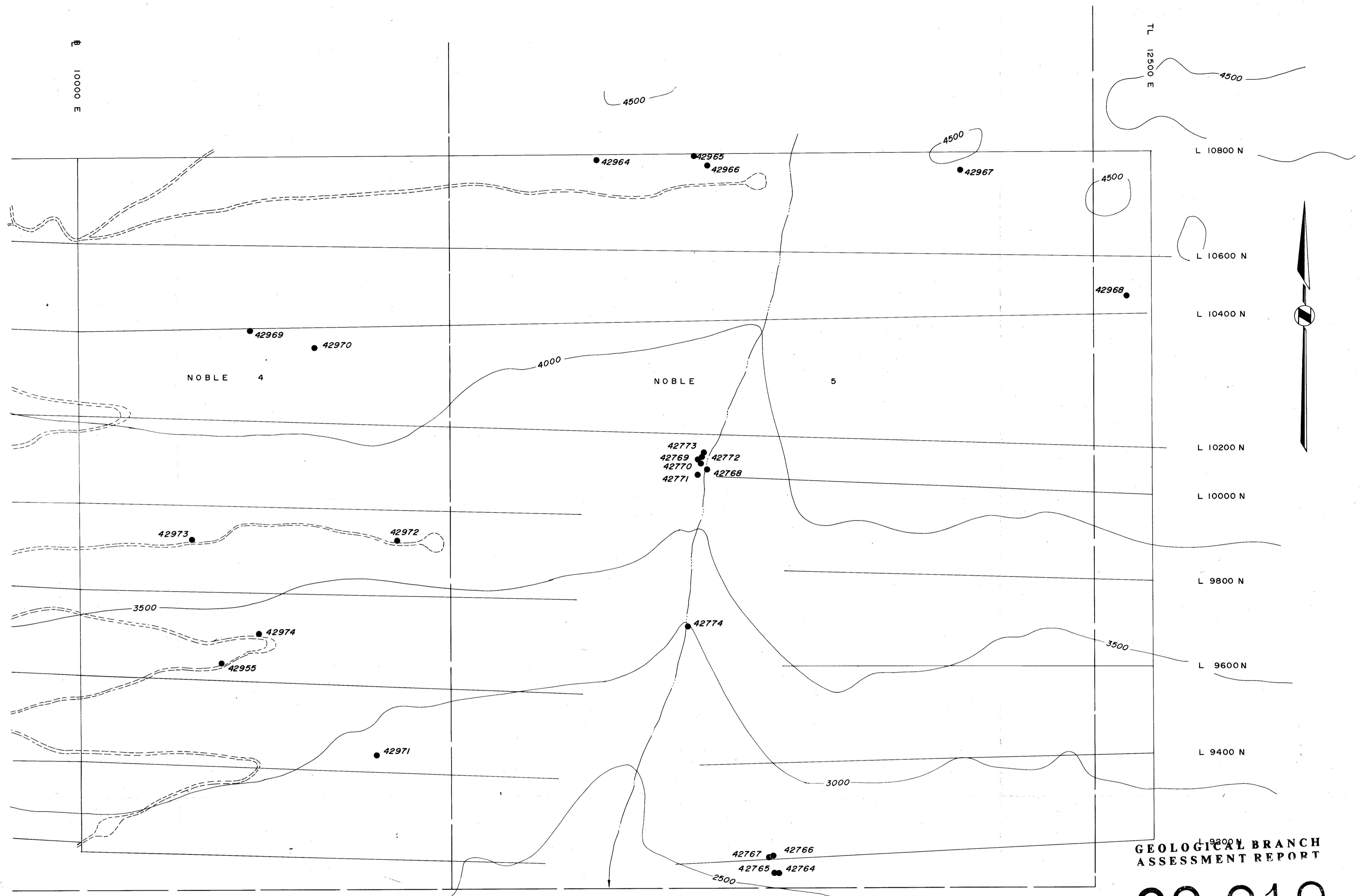
KEY MAP
Scale: 1:100000

NOBLE PROPERTY
SOUTHERN RECON. WEST GRID 1989 ROCK SAMPLE ASSAYS

SAMPLE #	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Hg (ppb)
42775	10	<.1	11	5	9	9	10
42951	20	.8	>1000 (<.10 %)	20	56	12	25
42952	15	.1	42	48	76	9	<5
42953	10	<.1	37	14	69	7	10
72954	35	.1	44	26	58	21	5
42956	20	.1	82	18	187	15	20
42957	10	<.1	18	12	29	15	45
42958	30	.4	43	24	44	35	35
42960	5	<.1	37	13	49	5	10
43109	5	.2	60	17	135	74	5
43110	5	.2	58	35	218	7	5
43111	20	.3	39	49	10	5	30



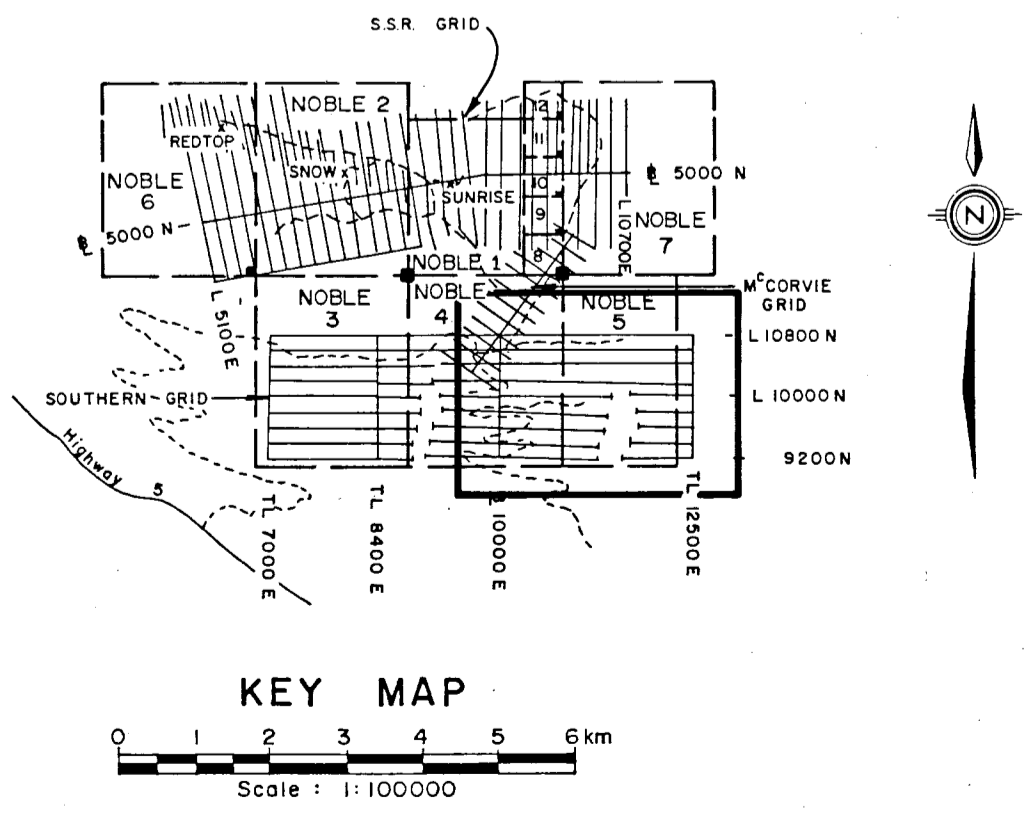
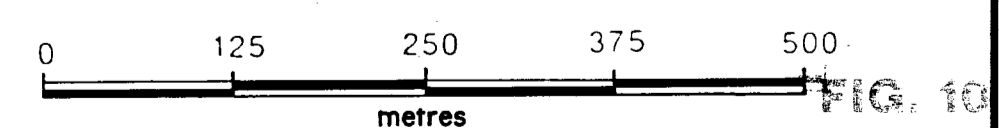
PLACER DOME INC.	
NOBLE CLAIMS	
DRAWN DBM	SOUTHERN GRID
DATE JULY 1989	Sample Locations
SCALE 1:5000	
REVISED	FILE No. FIGURE 82M/12W



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,019
Part 2 of 3

- LEGEND**
- LOGGING ROAD
 - CREEK
 - CONTOUR INTERVAL 500 feet
 - P.D.I. GRID LINE
 - CLAIM BOUNDARY
 - ROCK SAMPLE NUMBER & LOCATION



NOBLE PROPERTY
SOUTHERN RECON. EAST GRID 1989 ROCK SAMPLE ASSAYS

SAMPLE #	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Hg (ppb)
42764	30	1.7	70	45	253	47	305
42765	25	19.6	24.1	109	175	41	>1000
42766	1330	304.0	365	>1000 (3.9 %)	252	25	>1000
42767	35	2	52	347	29	24	85
42768	20	.7	42	124	70	26	35
42769	20	<.1	9	21	14	12	65
42770	25	.1	8	19	22	19	50
42771	10	.1	6	26	8	11	35
42772	15	<.1	17	17	54	21	25
42773	15	<.1	9	9	13	24	35
42774	10	.1	17	6	6	18	25
42955	10	<.1	6	16	6	10	25
42964	10	<.1	15	8	68	17	5
42965	15	<.1	7	18	6	15	25
42966	5	<.1	43	21	112	45	10
42967	5	.1	58	11	103	22	15
42968	5	<.1	17	6	61	9	10
42969	15	<.1	26	12	18	26	80
42970	20	.2	160	6	33	33	25
42971	5	.1	27	14	103	14	<5
42972	10	.1	15	30	13	17	<5
42973	5	.1	41	21	87	7	<5
42974	5	.1	11	11	12	8	5

PLACER DOME INC.
NOBLE CLAIMS

DRAWN DBM	SOUTHERN GRID Sample Locations	
DATE JULY 1989		
SCALE 1:5000		
REVISED		
FILE No	FIGURE	82M/12W

NOBLE 1988 & 1989 SOILS
SSR GRID WEST HALF
ZINC SYMBOL PLOT

LEGEND

1989 ZINC VALUES

- ZINC VALUES < 150 PPM.
- ZINC VALUES 150 - 224 PPM.
- ⊙ ZINC VALUES 225 - 349 PPM.
- ⊗ ZINC VALUES 350 - 700 PPM.
- ⊗ ZINC VALUES > 700 PPM.

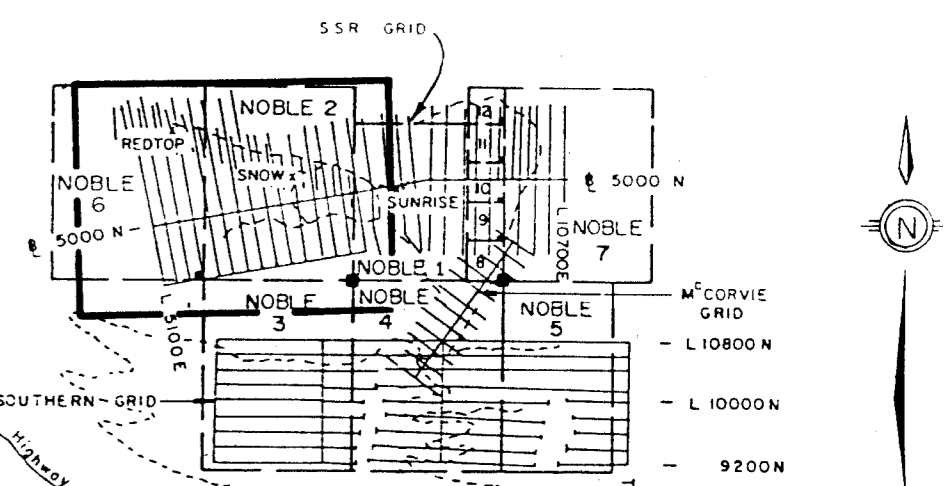
1988 ZINC VALUES

- ZINC VALUES < 150 PPM.
- ZINC VALUES 150 - 224 PPM.
- ⊙ ZINC VALUES 225 - 349 PPM.
- ⊗ ZINC VALUES 350 - 700 PPM.
- ⊗ ZINC VALUES > 700 PPM.

ASSAY VALUES POSTED FOR SAMPLES > 700 PPM.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - CLAIM BOUNDARIES
- L.C.P. - LEGAL CORNER POST
- 1500 CONTOUR LINES (20 m. intervals)
- STREAMS
- SWAMPS
- ROADS
- ▲ CORE RACK AND CAMP LOCATION



KEY MAP
Scale = 1:100000

DATA PLOTTED ON THIS MAP:
SEE PLTEG

POINTS:	FIELD	FILE
POINTS: ZN	SSRV-89.UTM	
POINTS: ZN	SSRV-89.UTM	
POINTS: ZN	SSRV-88.UTM	
POINTS: ZN	SSRV-88.UTM	

0 200 400 600
METRES

PLACER DOME INC.

DRAWN	NEM	NOBLE 1988 & 1989 SOILS
DATE	12/3/90	SSR GRID WEST HALF
SCALE	1:5000	ZINC SYMBOL PLOT
NO.		PLATE

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 20,019
 Part 2 of 3

FIG. 12

NOBLE 1988 & 1989 SOILS
SSR GRID WEST HALF
LEAD SYMBOL PLOT

LEGEND

1989 LEAD VALUES

- LEAD VALUES < 35 PPM.
- LEAD VALUES 35 - 69 PPM.
- ⊙ LEAD VALUES 70 - 99 PPM.
- ⊗ LEAD VALUES 100 - 150 PPM.
- ⊗ LEAD VALUES > 150 PPM.

1988 LEAD VALUES

- LEAD VALUES < 35 PPM.
- LEAD VALUES 35 - 69 PPM.
- ⊙ LEAD VALUES 70 - 99 PPM.
- ⊗ LEAD VALUES 100 - 150 PPM.
- ⊗ LEAD VALUES > 150 PPM.

ASSAY VALUES POSTED FOR SAMPLES > 150 PPM.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

CLAIM BOUNDARIES

■ L.C.P. - LEGAL CORNER POST

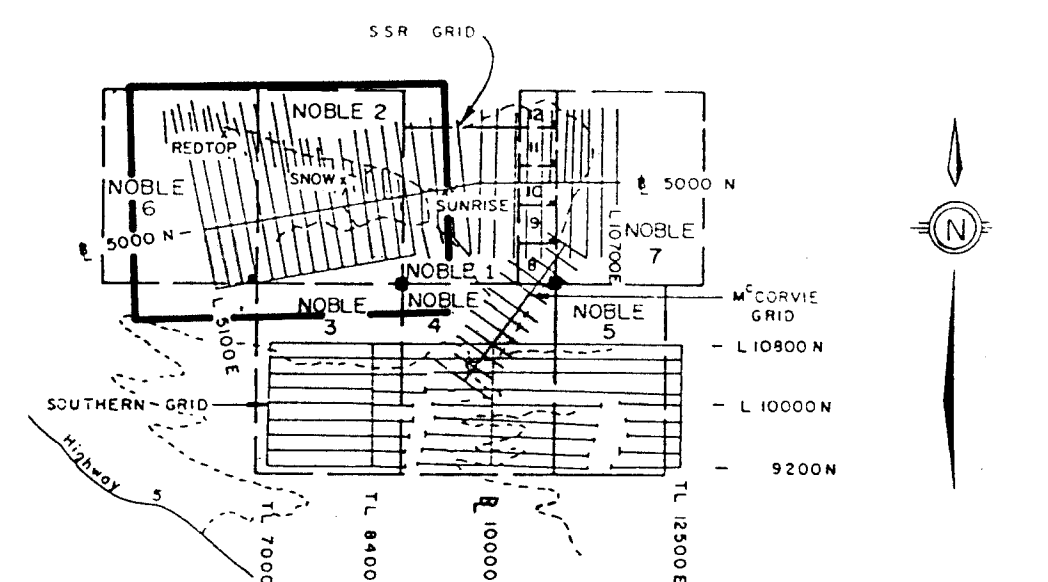
1500 CONTOUR LINES (20 m. intervals)

STREAMS

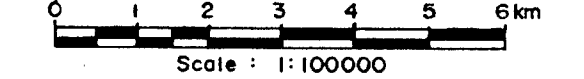
SWAMPS

ROADS

CORE RACK AND CAMP LOCATION

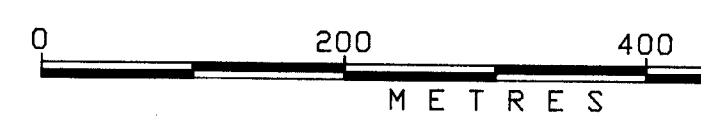


KEY MAP



DATA PLOTTED ON THIS MAP:
SEE PLTEG

POINTS:	FIELD	FILE
POINTS: PB	SSRV-89 UTM	
POINTS: PB	SSRV-89 UTM	
POINTS: PB	SSRV-88 UTM	
POINTS: PB	SSRV-88 UTM	



GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 20,019
 Part 2 of 3
 FIG. 13

PLACER DOME INC.

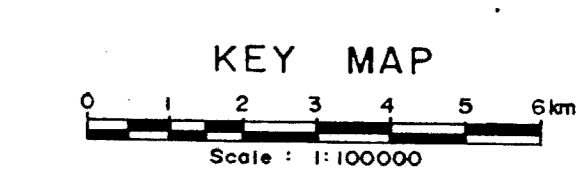
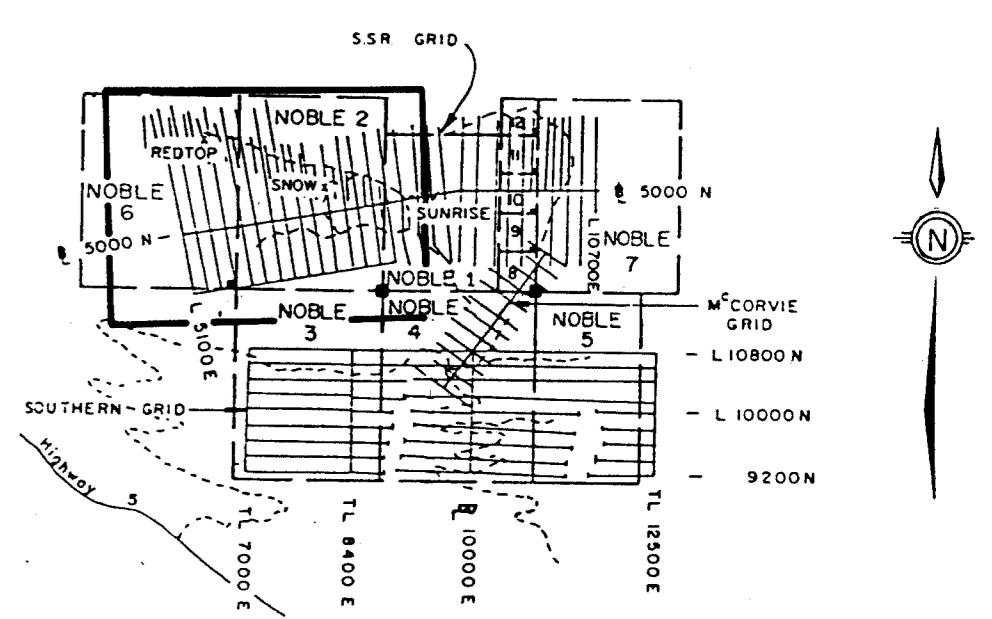
DRAWN	NEM	NOBLE 1988 & 1989 SOILS SSR GRID WEST HALF LEAD SYMBOL PLOT
DATE	12/ 3/90	
SCALE	1:5000	
No.		PLATE

NOBLE 1988 & 1989 SOILS
SSR GRID WEST HALF
SILVER SYMBOL PLOT

LEGEND

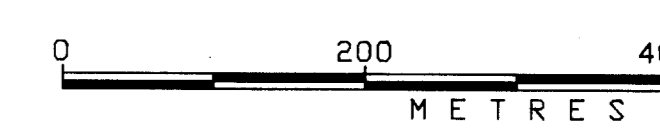
- 1989 SILVER VALUES
- SILVER VALUES < 0.5 PPM.
 - SILVER VALUES 0.5 - 0.74 PPM.
 - ⊗ SILVER VALUES 0.75 - 1.0 PPM.
 - ⊗ SILVER VALUES > 1.0 PPM.
- 1988 SILVER VALUES
- SILVER VALUES < 0.5 PPM.
 - SILVER VALUES 0.5 - 0.75 PPM.
 - ⊗ SILVER VALUES 0.75 - 1.0 PPM.
 - ⊗ SILVER VALUES > 1.0 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 1.0 PPM.
- 300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - - CLAIM BOUNDARIES
- L.C.P. - LEGAL CORNER POST
- ~ CONTOUR LINES (20 m. intervals)
- STREAMS
- ∩ SWAMPS
- - - - - ROADS
- ▲ CORE RACK AND CAMP LOCATION



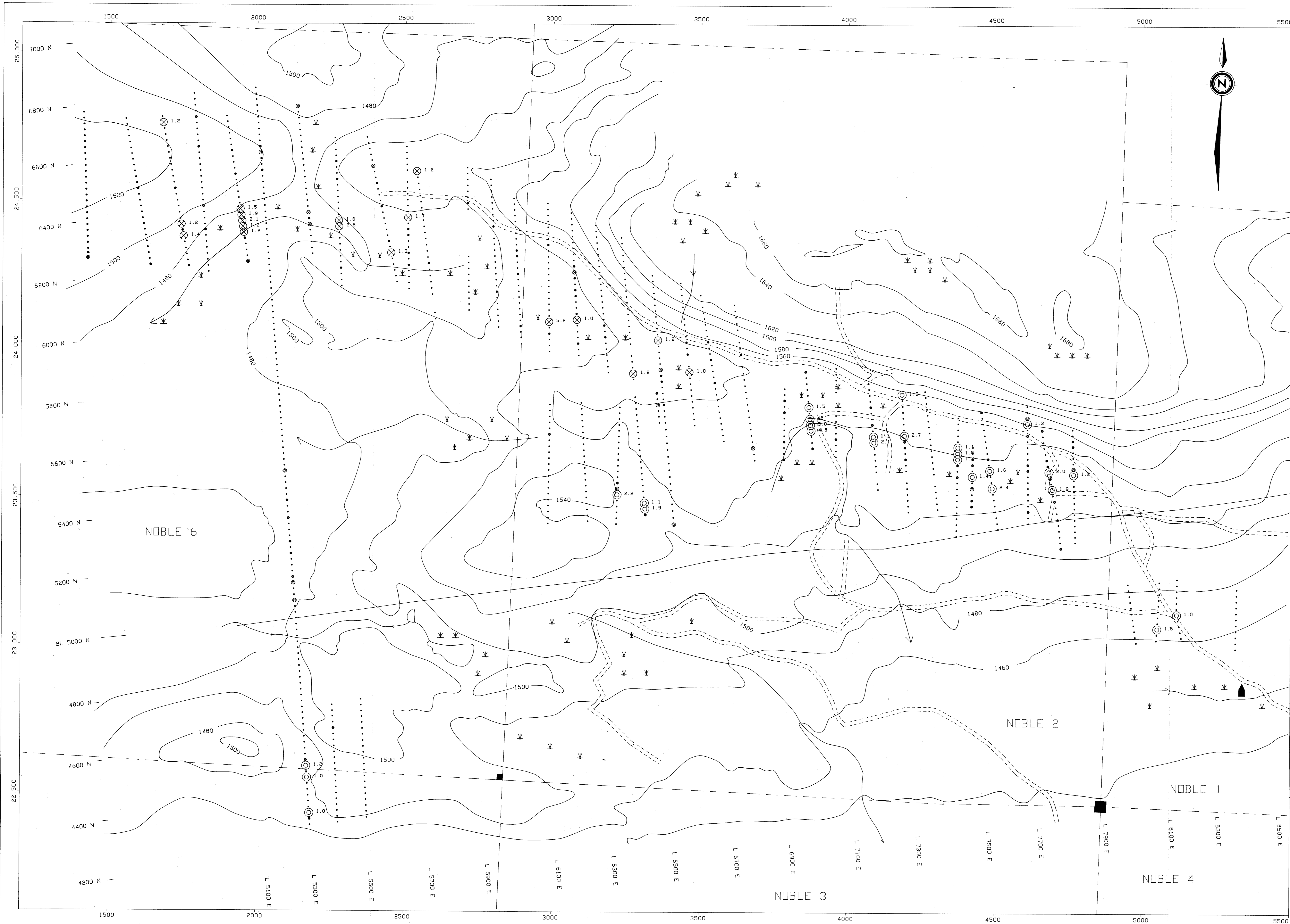
DATA PLOTTED ON THIS MAP:
SEE PLT/EG

POINTS:	AG	FILE
POINTS:	AG	SSRV-89 UTM
POINTS:	AG	SSRV-89 UTM
POINTS:	AG	SSRV-88 UTM
POINTS:	AG	SSRV-88 UTM



DRAWN NEM		PLACER DOME INC.	
DATE 9/3/90		NOBLE 1988 & 1989 SOILS	
SCALE 1:5000		SSR GRID WEST HALF	
NO.		SILVER SYMBOL PLOT	
		PLATE	

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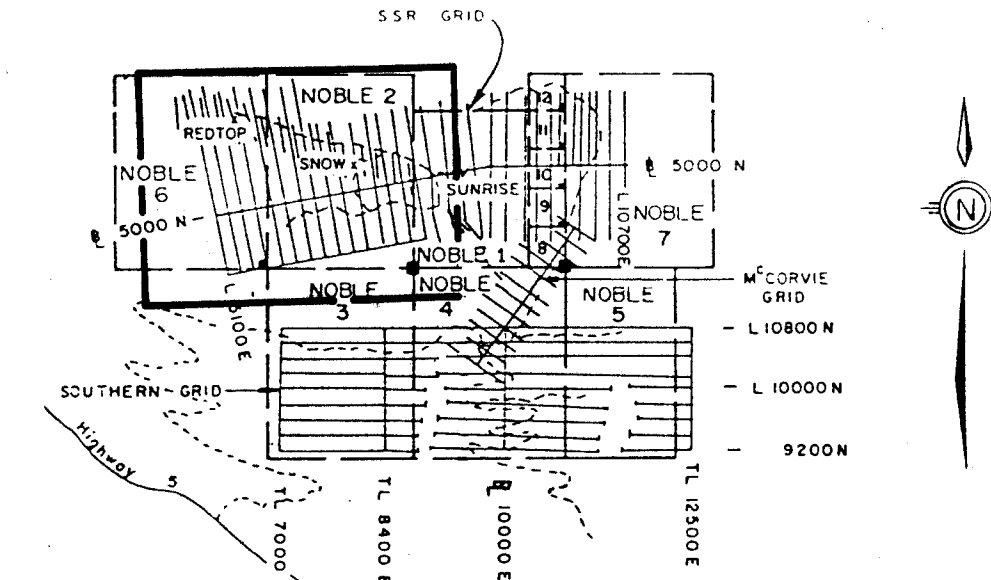


NOBLE 1988 & 1989 SOILS
SSR GRID WEST HALF
GOLD SYMBOL PLOT

LEGEND

- 1989 GOLD VALUES
- GOLD VALUES < 15 PPB.
 - GOLD VALUES 15 - 24 PPB.
 - ⊗ GOLD VALUES 25 - 40 PPB.
 - ⊗ GOLD VALUES > 40 PPB.
- 1988 GOLD VALUES
- GOLD VALUES < 15 PPB.
 - GOLD VALUES 15 - 24 PPB.
 - ⊗ GOLD VALUES 25 - 40 PPB.
 - ⊗ GOLD VALUES > 40 PPB.
- ASSAY VALUES POSTED FOR SAMPLES > 40 PPB.
- 300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- CLAIM BOUNDARIES
- L.C.P. - LEGAL CORNER POST
- CONTOUR LINES (20 m. intervals)
- STREAMS
- ↓ SWAMPS
- ROADS
- ▲ CORE RACK AND CAMP LOCATION



KEY MAP
Scale: 1:100000

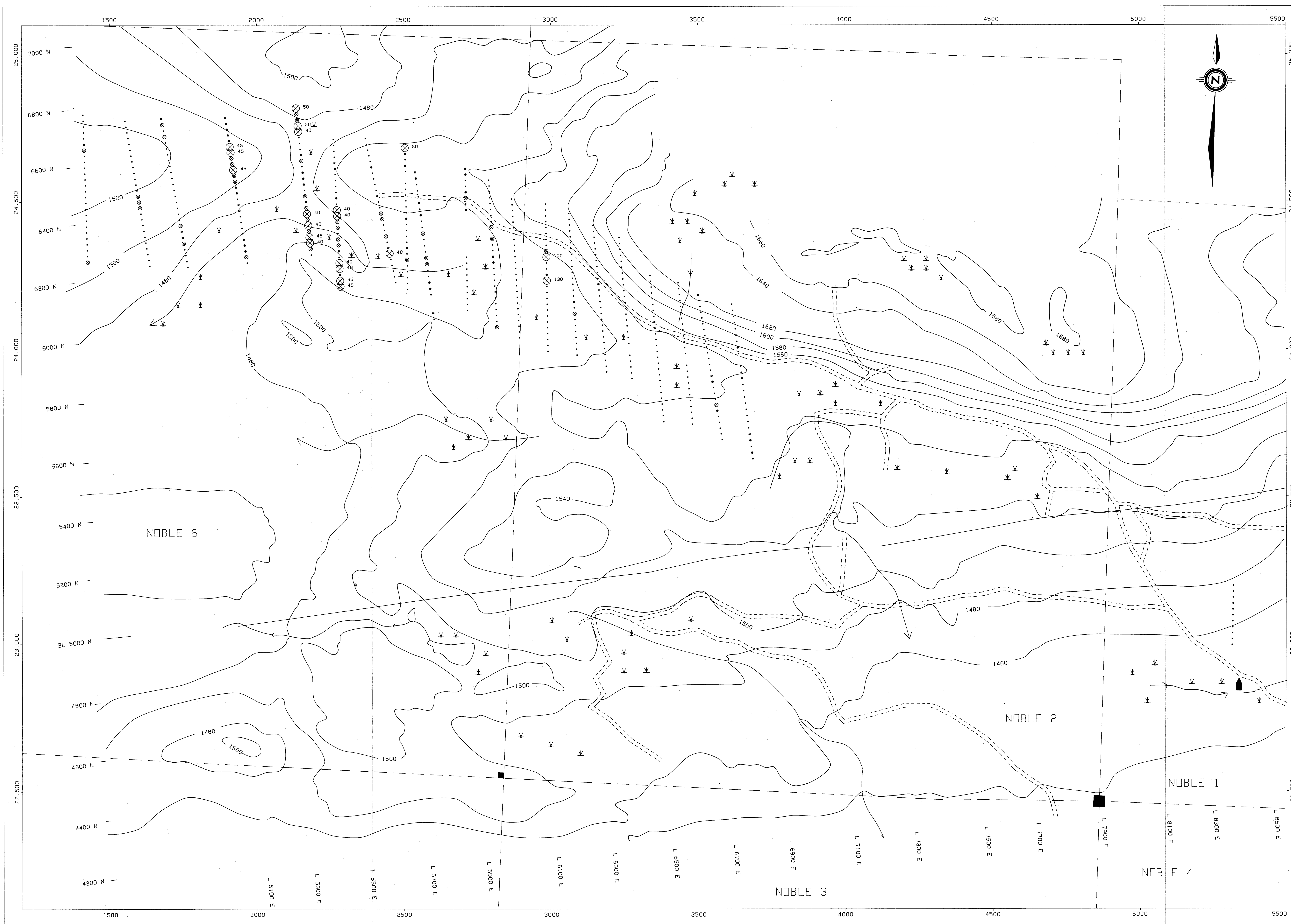
DATA PLOTTED ON THIS MAP:
SEE PLTEG

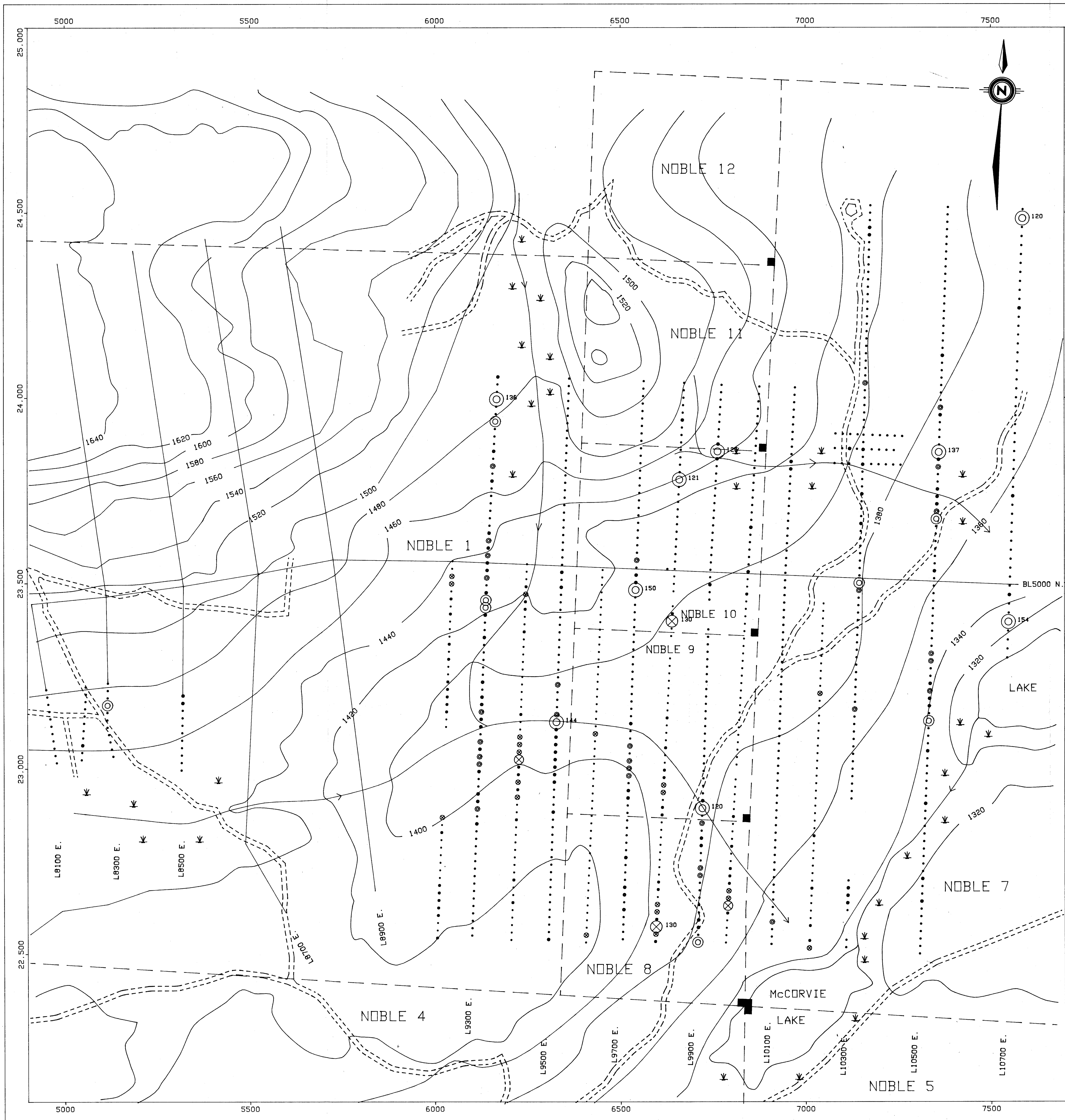
POINTS:	FIELD	FILE
POINTS:	AU	SSRV-89.UTM
POINTS:	AU	SSRV-89.UTM
POINTS:	AU	SSRV-88.UTM
POINTS:	AU	SSRV-88.UTM

0 200 400 600 METRES

DRAWN NEM		NOBLE 1988 & 1989 SOILS	
DATE 9/3/90		SSR GRID WEST HALF	
SCALE 1:5000		GOLD SYMBOL PLOT	
NO.	PLATE		

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NOBLE 1988 & 1989 SOILS
SSR GRID EAST HALF
COPPER SYMBOL PLOT

LEGEND

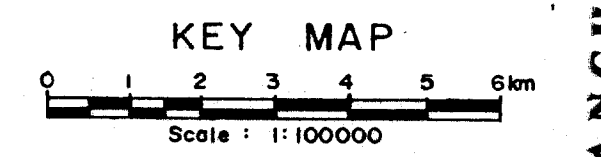
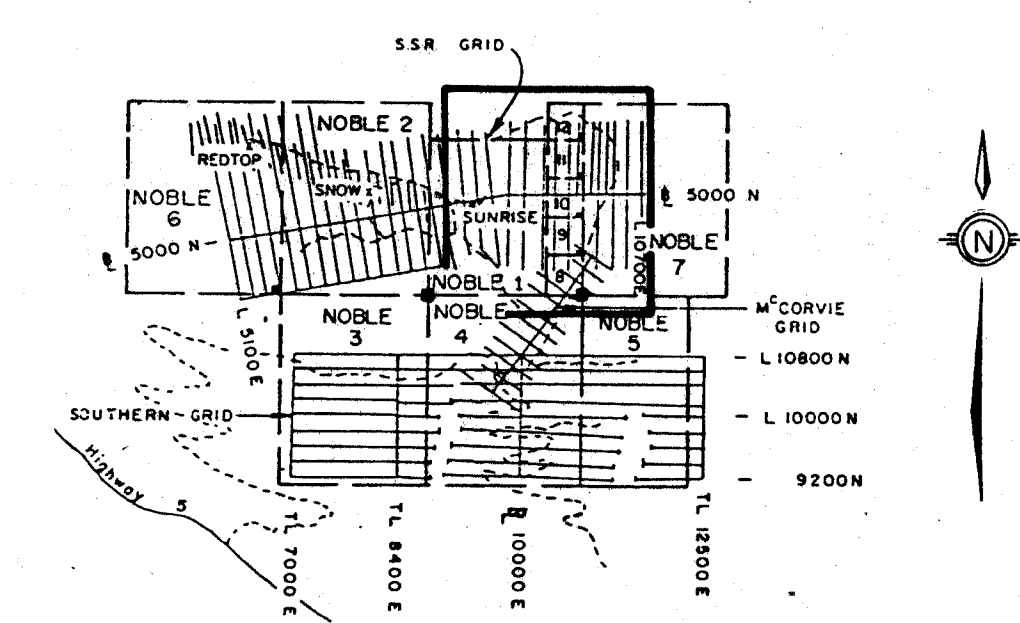
- 1989 COPPER VALUES
- COPPER VALUES < 35 PPM.
 - COPPER VALUES 35 - 59 PPM.
 - ⊙ COPPER VALUES 60 - 94 PPM.
 - ⊗ COPPER VALUES 95 - 120 PPM.
 - ⊗ COPPER VALUES > 120 PPM.

- 1988 COPPER VALUES
- COPPER VALUES < 35 PPM.
 - COPPER VALUES 35 - 59 PPM.
 - ⊙ COPPER VALUES 60 - 94 PPM.
 - ⊙ COPPER VALUES 95 - 120 PPM.
 - ⊙ COPPER VALUES > 120 PPM.

ASSAY VALUES POSTED FOR SAMPLES > 120 PPM.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - CLAIM BOUNDARIES
- L.C.P. LEGAL CORNER POST
- ~ CONTOURS (20m. intervals)
- ~ STREAMS
- - - ROADS
- ~ SWAMPS



DATA PLOTTED ON THIS MAP:
SEE PLTEG

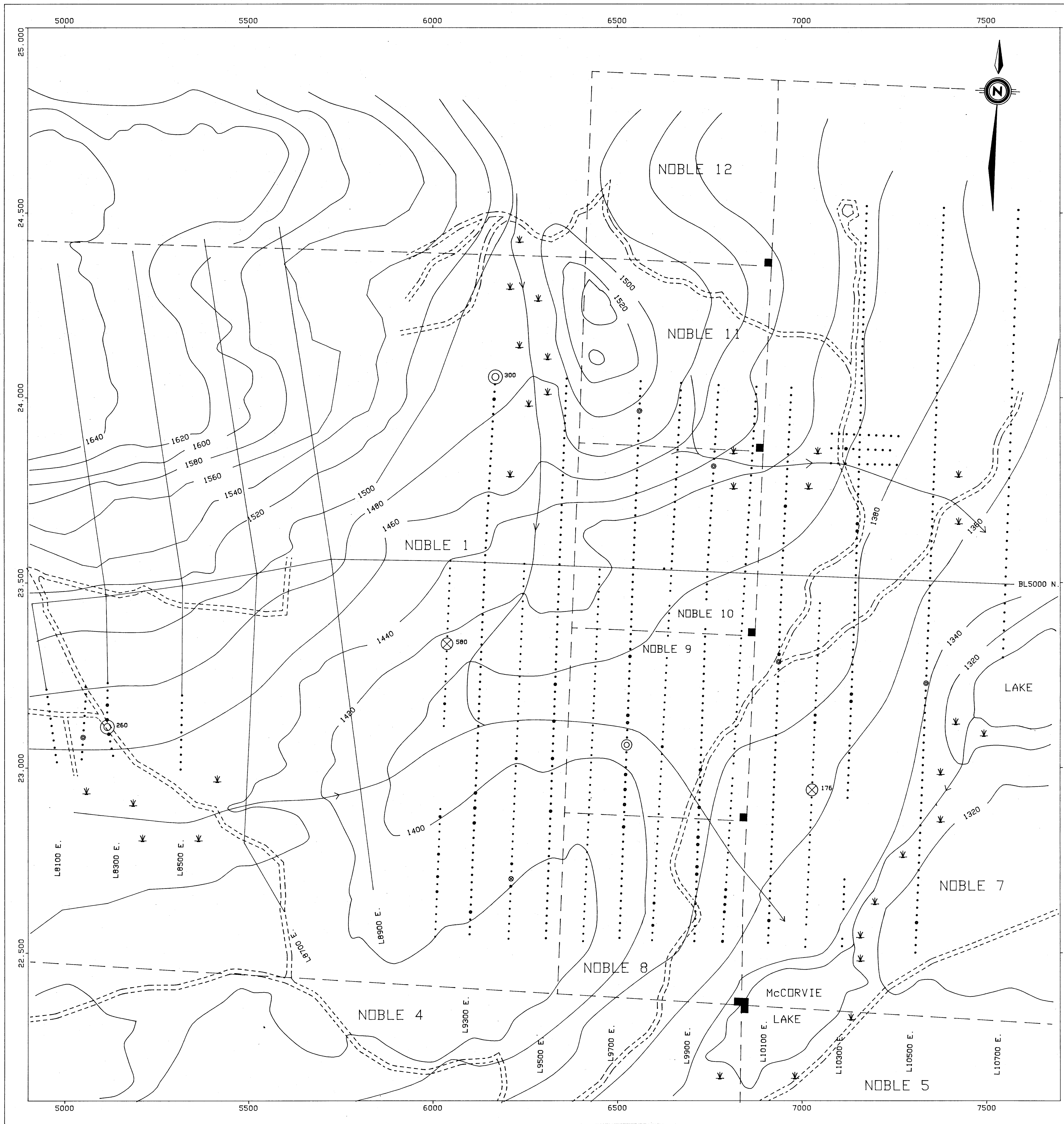
	FIELD	FILE
POINTS:	CU	SSRE-89.UTM
POINTS:	CU	SSRE-89.UTM
POINTS:	CU	SSRE-88.UTM
POINTS:	CU	SSRE-88.UTM



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DRAWN NEM		NOBLE 1988 & 1989 SOILS	
DATE 13/ 3/90		SSR GRID EAST HALF	
SCALE 1:5000		COPPER SYMBOL PLOT	
NO.		PLATE	

FIG. 16



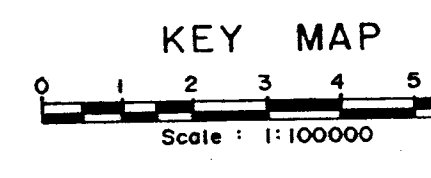
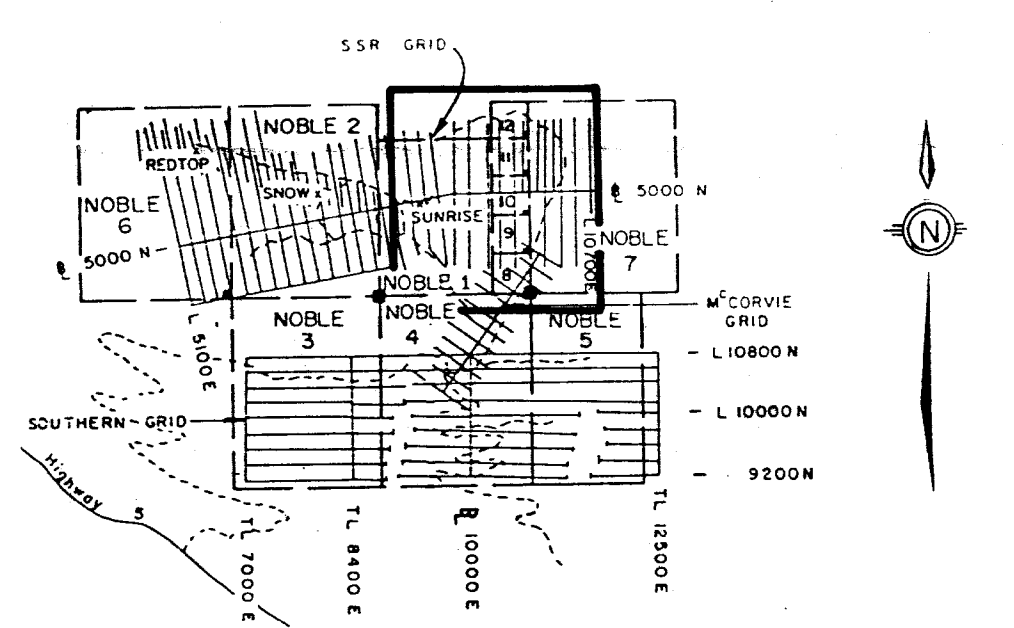
NOBLE 1988 & 1989 SOILS
SSR GRID EAST HALF
LEAD SYMBOL PLOT

LEGEND

- 1989 LEAD VALUES
- LEAD VALUES < 35 PPM.
 - LEAD VALUES 35 - 69 PPM.
 - ⊖ LEAD VALUES 70 - 99 PPM.
 - ⊗ LEAD VALUES 100 - 150 PPM.
 - ⊗ LEAD VALUES > 150 PPM.
- 1988 LEAD VALUES
- LEAD VALUES < 35 PPM.
 - LEAD VALUES 35 - 69 PPM.
 - ⊖ LEAD VALUES 70 - 99 PPM.
 - ⊙ LEAD VALUES 100 - 150 PPM.
 - ⊙ LEAD VALUES > 150 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 150 PPM.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - CLAIM BOUNDARIES
- L.C.P. LEGAL CORNER POST
- ~ CONTOURS (20m. intervals)
- STREAMS
- - - - - ROADS
- ⊥ SWAMPS



DATA PLOTTED ON THIS MAP:
SEE PLTLEG

	FIELD	FILE
POINTS:	PB	SSRE-89.UTH
POINTS:	PB	SSRE-89.UTH
POINTS:	PB	SSRE-88.UTH
POINTS:	PB	SSRE-88.UTH

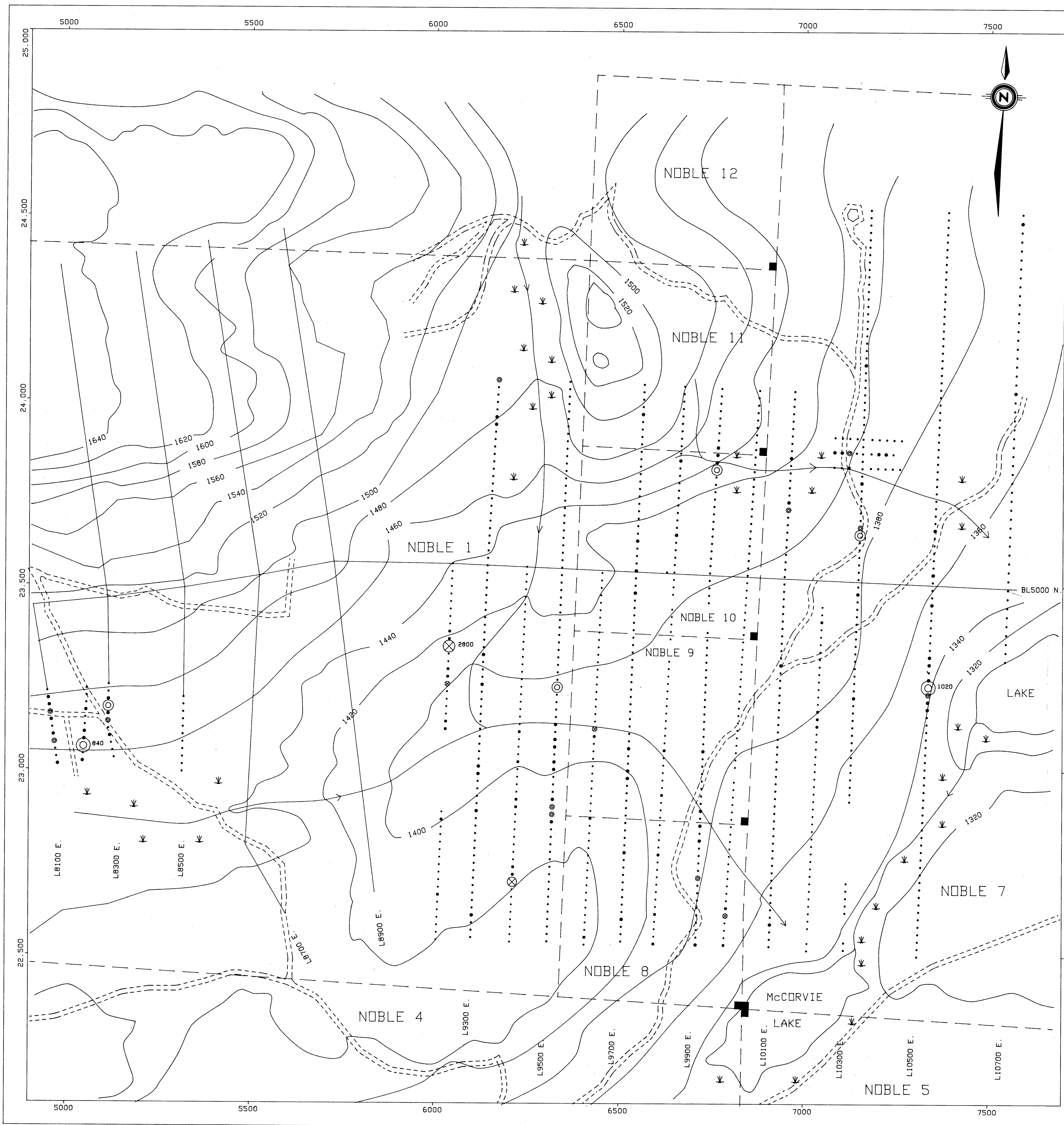


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PLACER DOME INC.

DRAWN	NEM	NOBLE 1988 & 1989 SOILS
DATE	13/ 3/90	SSR GRID EAST HALF
SCALE	1:5000	LEAD SYMBOL PLOT
NO.		PLATE

FIG. 17



NOBLE 1988 & 1989 SOILS
SSR GRID EAST HALF
ZINC SYMBOL PLOT

LEGEND

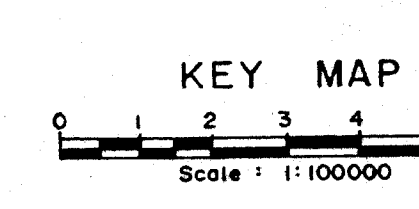
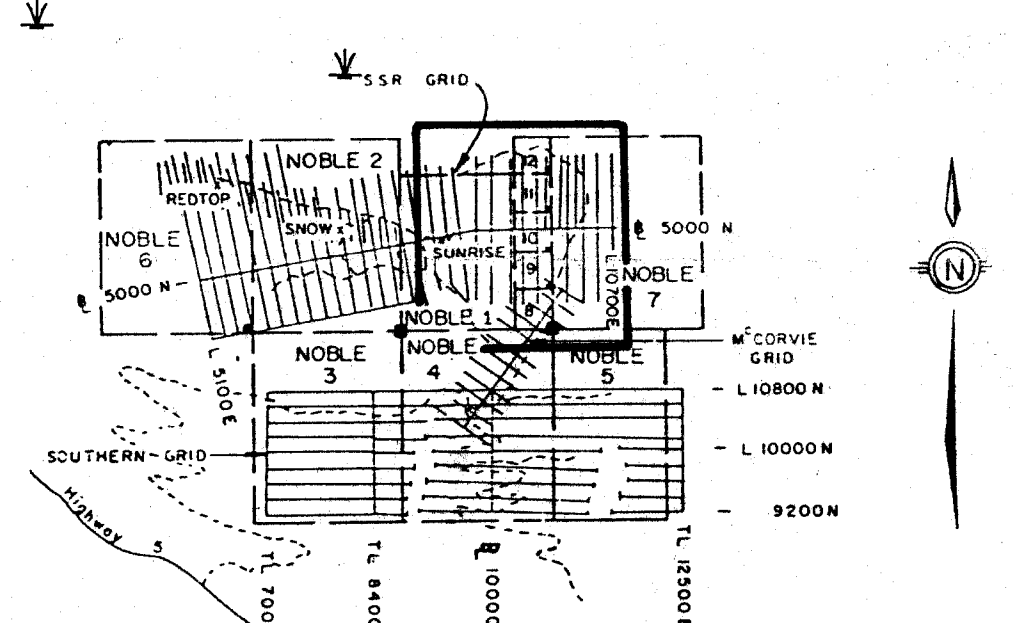
- 1989 ZINC VALUES
- ZINC VALUES < 150 PPM.
 - ZINC VALUES 150 - 224 PPM.
 - ⊙ ZINC VALUES 225 - 349 PPM.
 - ⊗ ZINC VALUES 350 - 700 PPM.
 - ⊗ ZINC VALUES > 700 PPM.

- 1988 ZINC VALUES
- ZINC VALUES < 150 PPM.
 - ZINC VALUES 150 - 224 PPM.
 - ⊙ ZINC VALUES 225 - 349 PPM.
 - ⊙ ZINC VALUES 350 - 700 PPM.
 - ⊙ ZINC VALUES > 700 PPM.

ASSAY VALUES POSTED FOR SAMPLES > 700 PPM.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - CLAIM BOUNDARIES
- L.C.P. LEGAL CORNER POST
- CONTOURS (20m. intervals)
- ~ STREAMS
- - - ROADS
- ↓ SWAMPS



DATA PLOTTED ON THIS MAP
SEE PLTEG

	FIELD	FILE
POINTS:	ZN	SSRE-89.UTM
POINTS:	ZN	SSRE-89.UTM
POINTS:	ZN	SSRE-88.UTM
POINTS:	ZN	SSRE-88.UTM

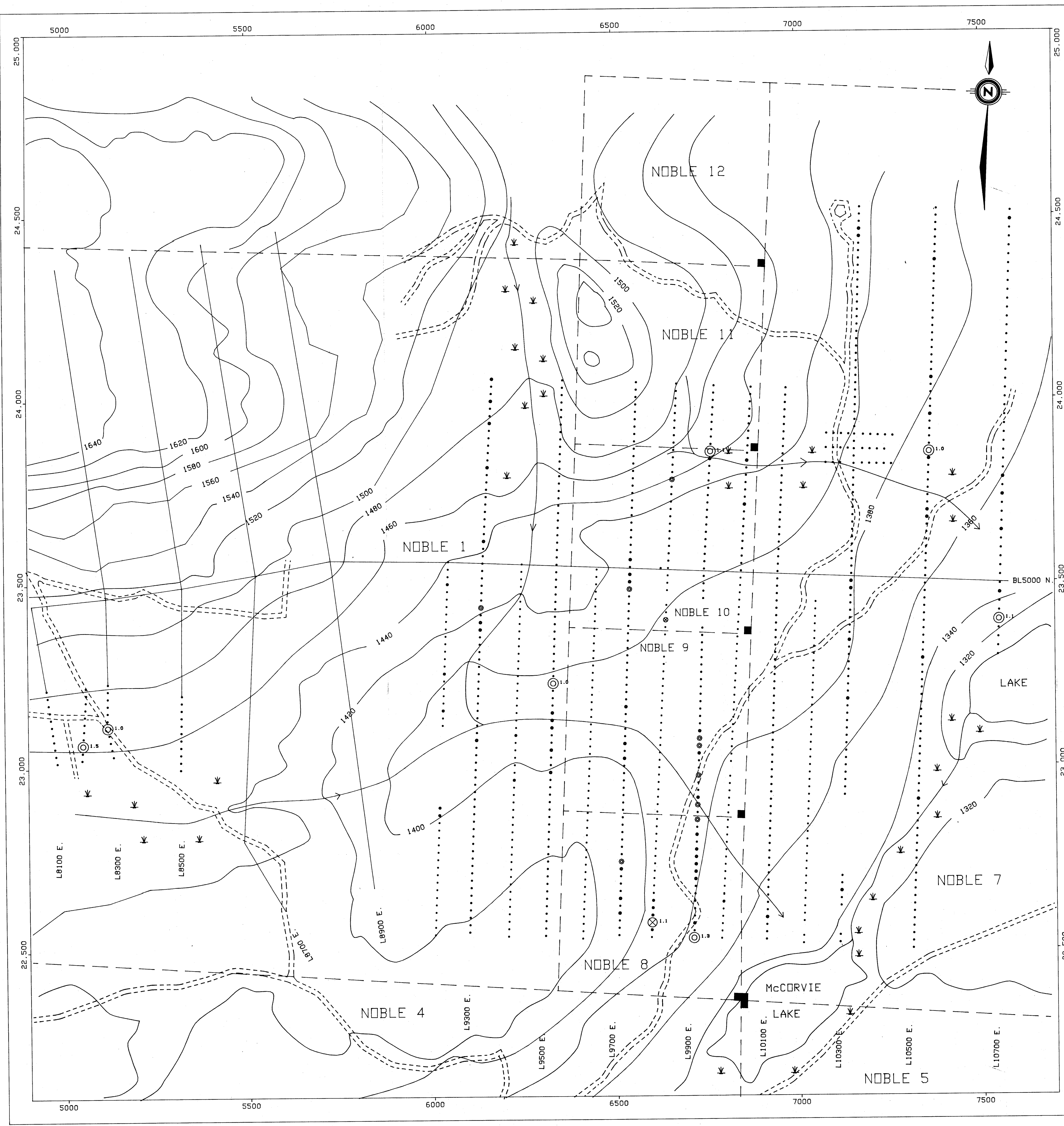
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FIG. 18

DRAWN NEM		NOBLE 1988 & 1989 SOILS	
DATE 13/ 3/90		SSR GRID EAST HALF	
SCALE 1:5000		ZINC SYMBOL PLOT	
NO.		PLATE	



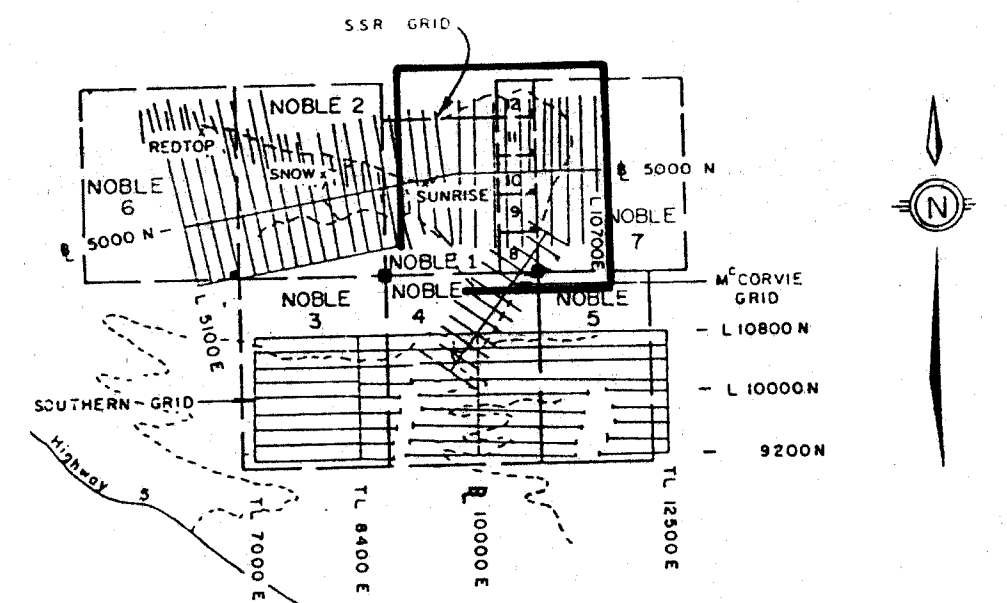
NOBLE 1988 & 1989 SOILS
SSR GRID EAST HALF
SILVER SYMBOL PLOT

LEGEND

- 1989 SILVER VALUES
- SILVER VALUES < 0.5 PPM.
 - SILVER VALUES 0.5 - 0.74 PPM.
 - ⊙ SILVER VALUES 0.75 - 1.0 PPM.
 - ⊗ SILVER VALUES > 1.0 PPM.
- 1988 SILVER VALUES
- SILVER VALUES < 0.5 PPM.
 - SILVER VALUES 0.5 - 0.74 PPM.
 - ⊙ SILVER VALUES 0.75 - 1.0 PPM.
 - ⊗ SILVER VALUES > 1.0 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 1.0 PPM.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - CLAIM BOUNDARIES
- L.C.P. LEGAL CORNER POST
- CONTOURS (20m. intervals)
- ~ STREAMS
- - - - - ROADS
- ↓ SWAMPS



KEY MAP
Scale: 1:100000

DATA PLOTTED ON THIS MAP
SEE PLTLEG

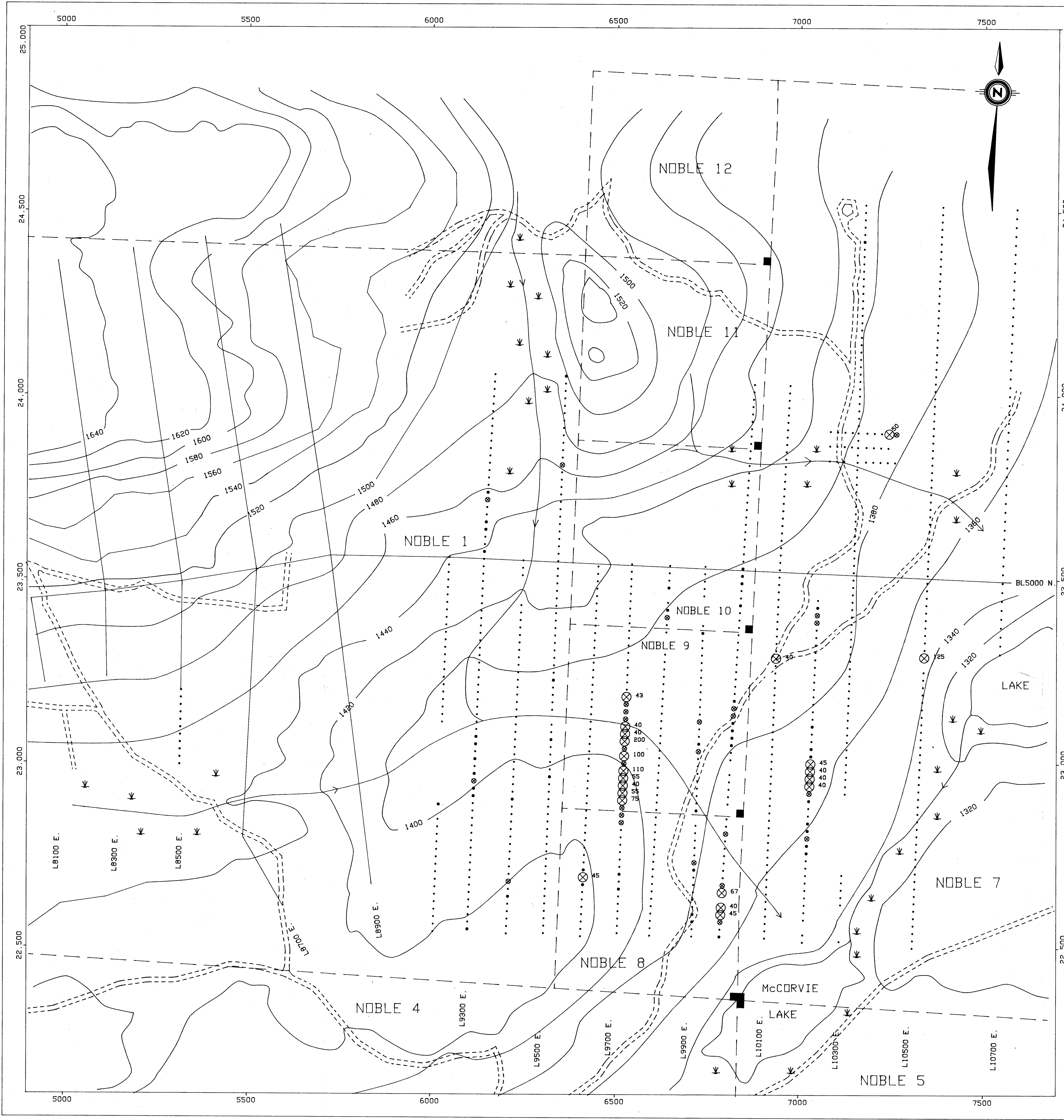
POINTS:	FIELD	FILE
POINTS:	AG	SSRE-89.UTM
POINTS:	AG	SSRE-89.UTM
POINTS:	AG	SSRE-88.UTM
POINTS:	AG	SSRE-88.UTM



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DRAWN NEM		NOBLE 1988 & 1989 SOILS	
DATE 12/ 3/90		SSR GRID EAST HALF	
SCALE 1:5000		SILVER SYMBOL PLOT	
NO.		PLATE	

FIG. 19



NOBLE 1988 & 1989 SOILS
SSR GRID EAST HALF
GOLD SYMBOL PLOT

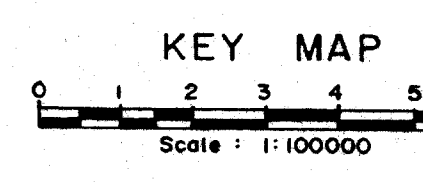
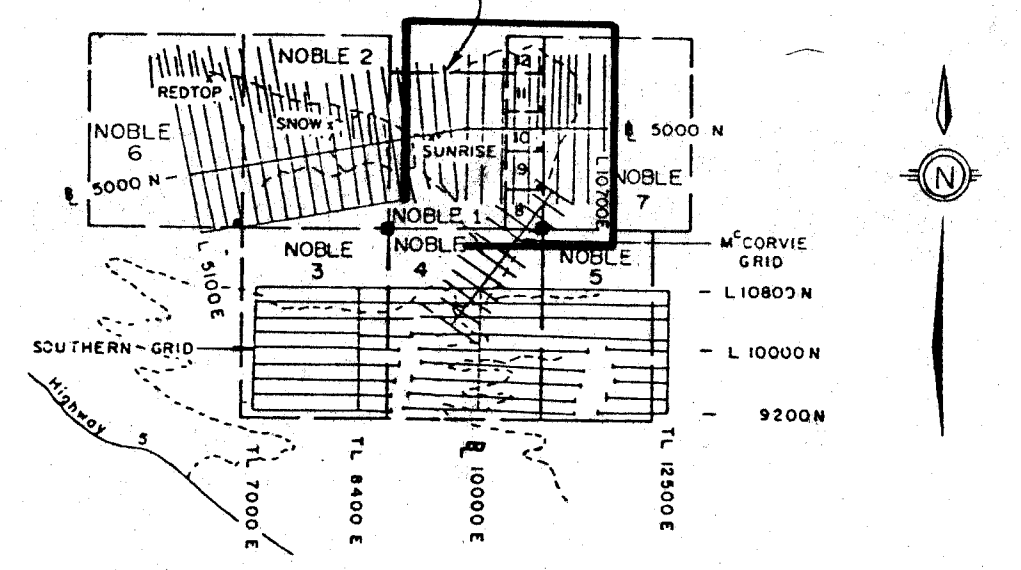
LEGEND

- 1989 GOLD VALUES
- GOLD VALUES < 15 PPB.
 - GOLD VALUES 15 - 24 PPB.
 - ⊙ GOLD VALUES 25 - 40 PPB.
 - ⊗ GOLD VALUES > 40 PPB.
- 1988 GOLD VALUES
- GOLD VALUES < 15 PPB.
 - GOLD VALUES 15 - 24 PPB.
 - ⊙ GOLD VALUES 25 - 40 PPB.
 - ⊗ GOLD VALUES > 40 PPB.

ASSAY VALUES POSTED FOR SAMPLES > 40 PPB.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - CLAIM BOUNDARIES
- L.C.P. LEGAL CORNER POST
- 1500 CONTOURS (20m. Intervals)
- STREAMS
- - - ROADS
- ↘ SWAMPS



DATA PLOTTED ON THIS MAP
SEE PLTLEG

	FIELD	FILE
POINTS:	AU	SSRE-89.UTM
POINTS:	AU	SSRE-89.UTM
POINTS:	AU	SSRE-88.UTM
POINTS:	AU	SSRE-88.UTM

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DRAWN NEM		NOBLE 1988 & 1989 SOILS	
DATE 13/ 3/90		SSR GRID EAST HALF	
SCALE 1:5000		GOLD SYMBOL PLOT	
NO.		PLATE	

NOBLE 1988 & 1989 SOILS
SSR GRID EAST HALF
ARSENIC SYMBOL PLOT

LEGEND

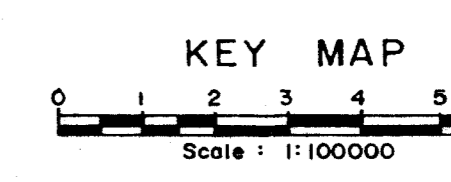
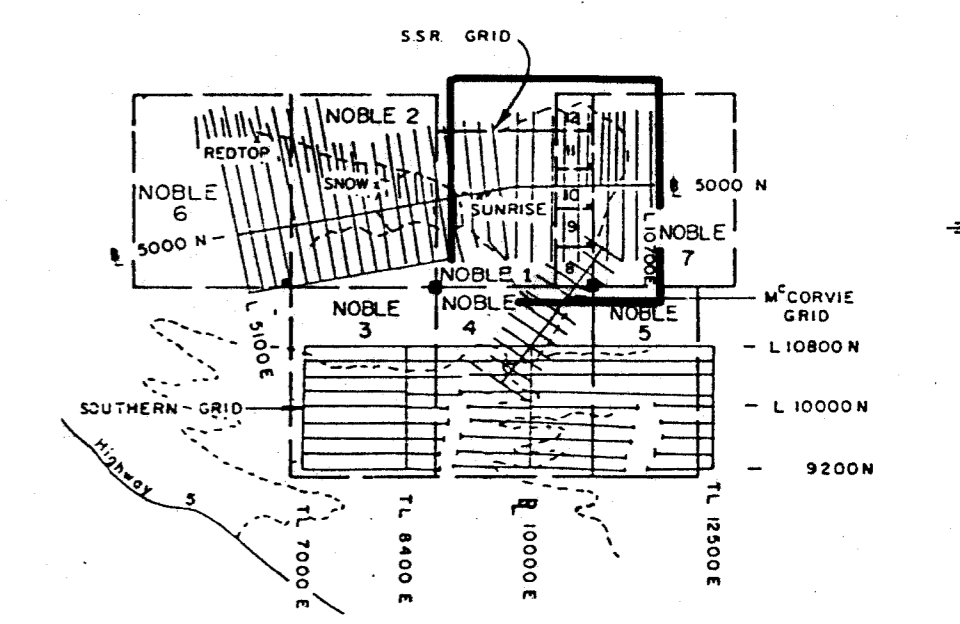
- 1989 ARSENIC VALUES
- ARSENIC VALUES < 10 PPM.
 - ARSENIC VALUES 10 - 14 PPM.
 - ⊙ ARSENIC VALUES 15 - 19 PPM.
 - ⊗ ARSENIC VALUES 20 - 25 PPM.
 - ⊗ ARSENIC VALUES > 25 PPM.

- 1988 ARSENIC VALUES
- ARSENIC VALUES < 10 PPM.
 - ARSENIC VALUES 10 - 14 PPM.
 - ⊙ ARSENIC VALUES 15 - 19 PPM.
 - ⊗ ARSENIC VALUES 20 - 25 PPM.
 - ⊗ ARSENIC VALUES > 25 PPM.

ASSAY VALUES POSTED FOR SAMPLES > 25 PPM.

300,000 M. HAS BEEN SUBTRACTED FROM THE X (EAST) UTM COORDINATES.
5,700,000 M. HAS BEEN SUBTRACTED FROM THE Y (NORTH) UTM COORDINATES.

- - - CLAIM BOUNDARIES
- L.C.P. LEGAL CORNER POST
- CONTOURS (20m. intervals)
- STREAMS
- - - ROADS
- ↓ SWAMPS



DATA PLOTTED ON THIS MAP:
SEE PLTLEG

POINTS:	FIELD	FILE
AS	SSRE-89 UTM	
AS	SSRE-89 UTM	
AS	SSRE-88 UTM	
AS	SSRE-88 UTM	

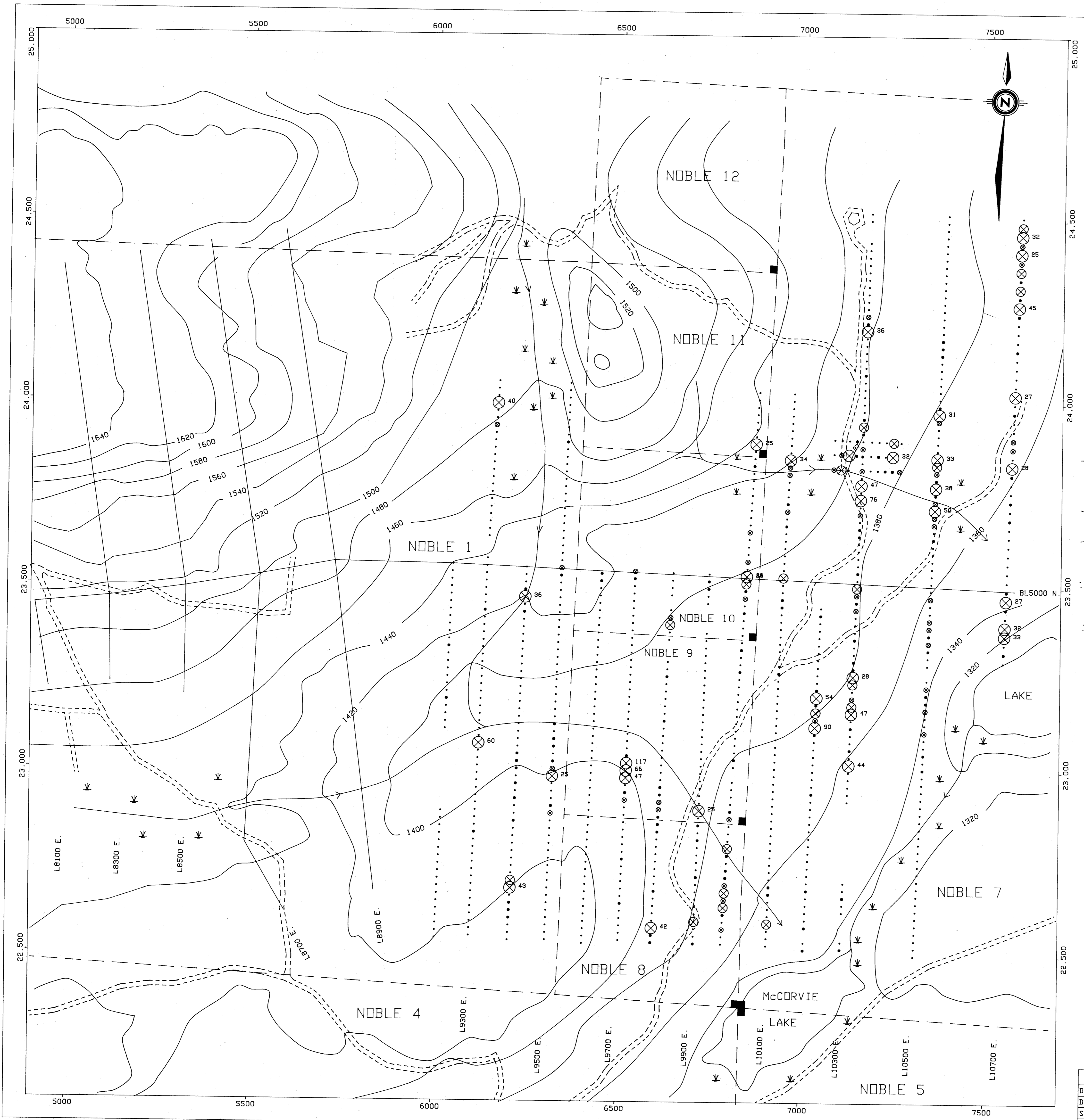
GEOLOGICAL BRANCH
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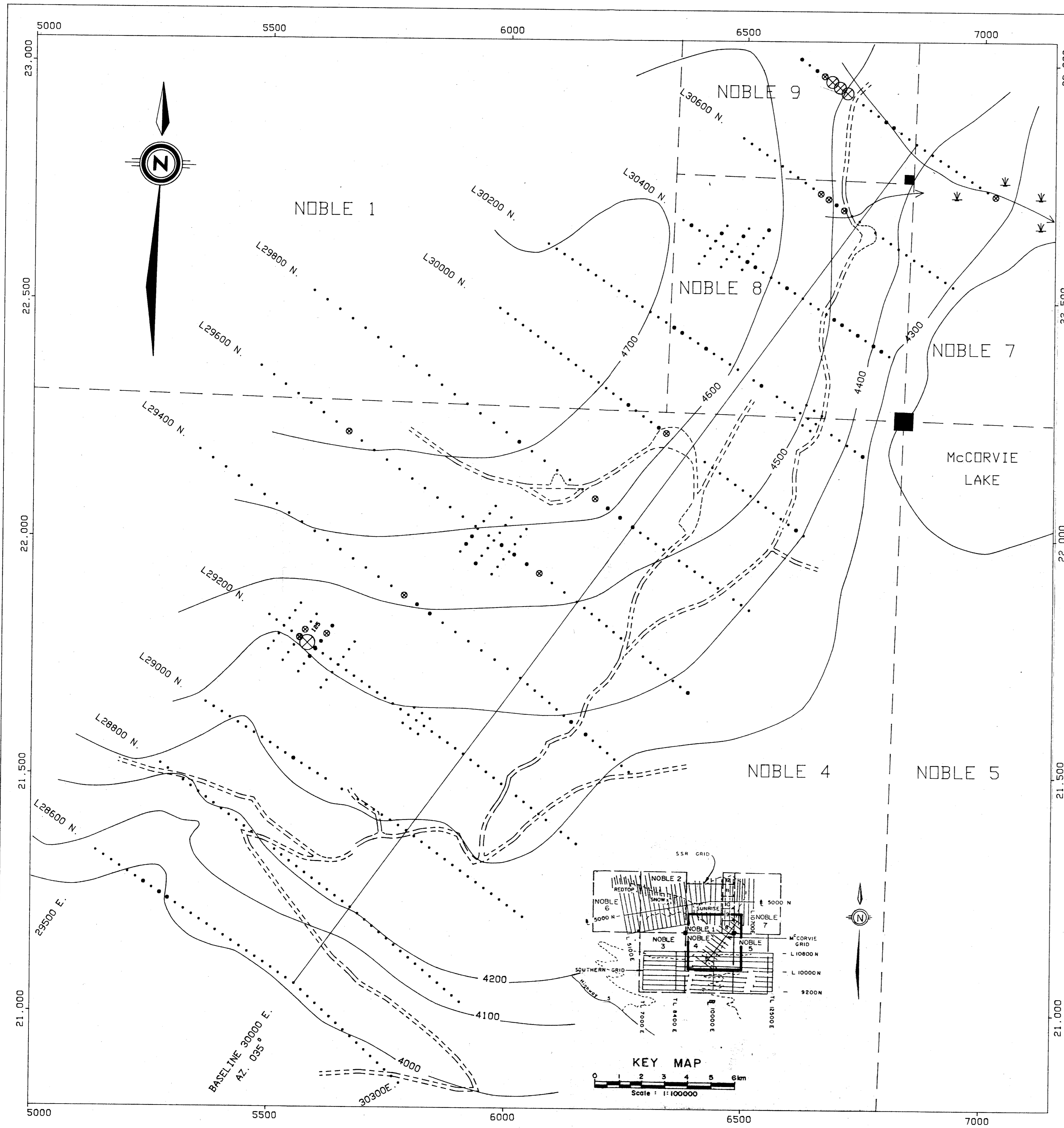
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FIG. 2:

DRAWN NEM		PLACER DOME INC.	
DATE 13/ 3/90		NOBLE 1988 & 1989 SOILS	
SCALE 1:5000		SSR GRID EAST HALF	
		ARSENIC SYMBOL PLOT	
NO.		PLATE	





NOBLE 1989 SOILS
McCORMIE GRID
COPPER SYMBOL PLOT

LEGEND

1989 COPPER VALUES

- COPPER VALUES < 35 PPM.
 - COPPER VALUES 35 - 59 PPM.
 - ⊙ COPPER VALUES 60 - 94 PPM.
 - ⊗ COPPER VALUES 94 - 120 PPM.
 - ⊗ COPPER VALUES > 120 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 120 PPM.

- STREAMS
- 4500 CONTOURS (100 ft. intervals)
- SWAMPS
- ROADS
- L.C.P. - Legal Corner Post
- CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
I.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)

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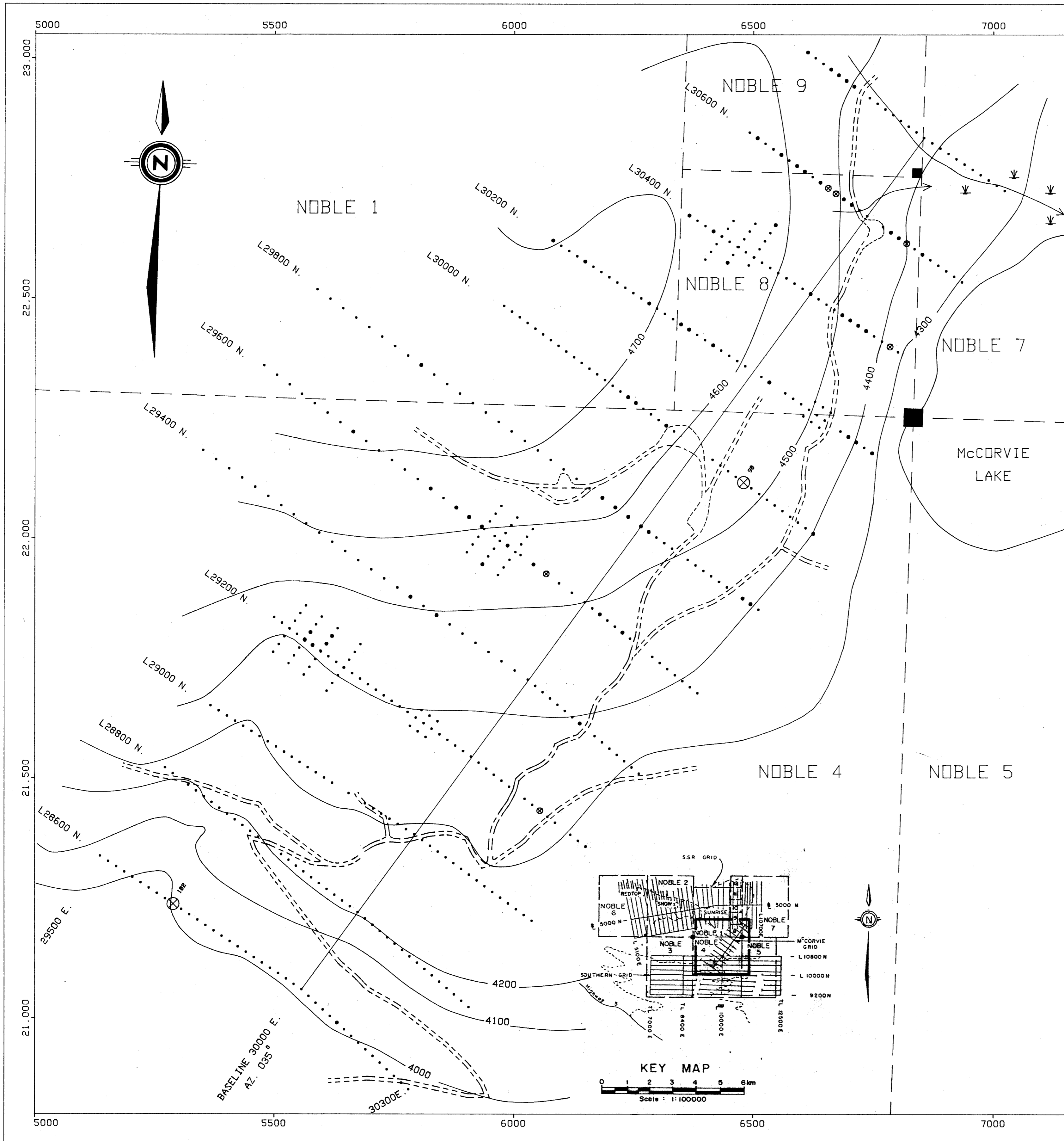
DATA PLOTTED ON THIS MAP:
SEE PLLEG

	FIELD	FILE
POINTS:	CU	MCCORSOIL.UTM
POINTS:	CU	MCCORSOIL.UTM



FIG. 22

DRAWN NEM		PLACER DOME INC.	
DATE 15/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		McCORMIE GRID	
		COPPER SYMBOL PLOT	
NO.			PLATE



NOBLE 1989 SOILS
McCORMIE GRID
LEAD SYMBOL PLOT

LEGEND

1989 LEAD VALUES

- LEAD VALUES < 30 PPM.
 - LEAD VALUES 31 - 49 PPM.
 - ⊗ LEAD VALUES 50 - 75 PPM.
 - ⊗ LEAD VALUES > 75 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 75 PPM.

- STREAMS
- 4500 CONTOURS (100 ft. intervals)
- SWAMPS
- ROADS
- L.C.P. - Legal Corner Post
- CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)

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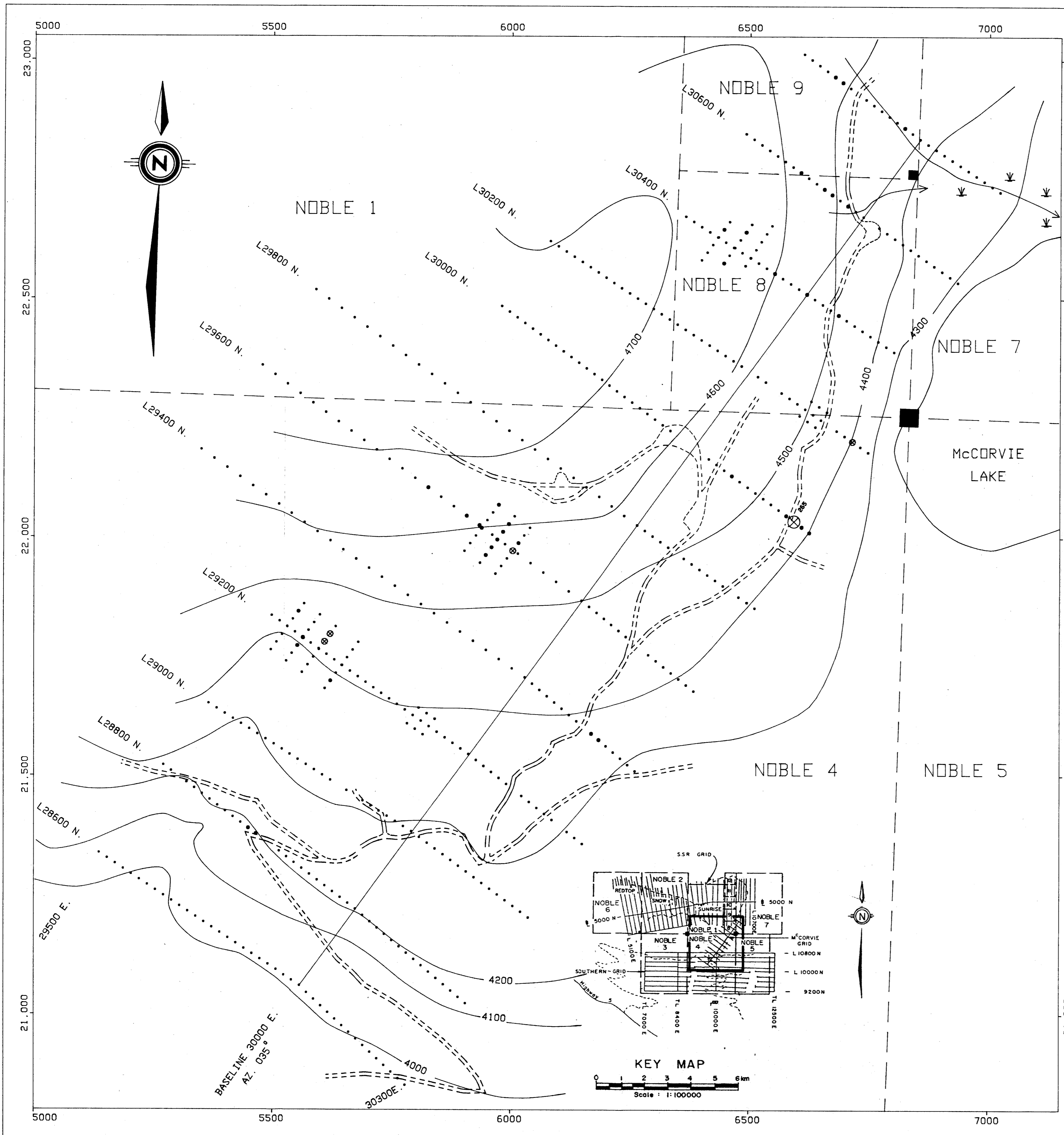
DATA PLOTTED ON THIS MAP:
SEE PLTLEG

	FIELD	FILE
POINTS:	PB	MCCORSOIL.UTM
POINTS:	PB	MCCORSOIL.UTM



FIG. 23

DRAWN NEM		PLACER DOME INC.	
DATE 15/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		McCORMIE GRID	
		LEAD SYMBOL PLOT	
NO.		PLATE	



NOBLE 1989 SOILS
 McCORVIE GRID
 ZINC SYMBOL PLOT

LEGEND

1989 ZINC VALUES

- ZINC VALUES < 150 PPM.
 - ZINC VALUES 150 - 199 PPM.
 - ⊙ ZINC VALUES 200 - 250 PPM.
 - ⊗ ZINC VALUES > 250 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 250 PPM.

- STREAMS
- 4500 CONTOURS (100 Ft. Intervals)
- SWAMPS
- ROADS
- L.C.P. - Legal Corner Post
- CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
 5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
 I.e. (Map coordinates 60,000 E. 20,000 N. represent
 real UTM coordinates 660,000 E. 5,720,000 N.)

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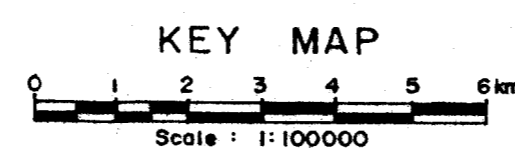
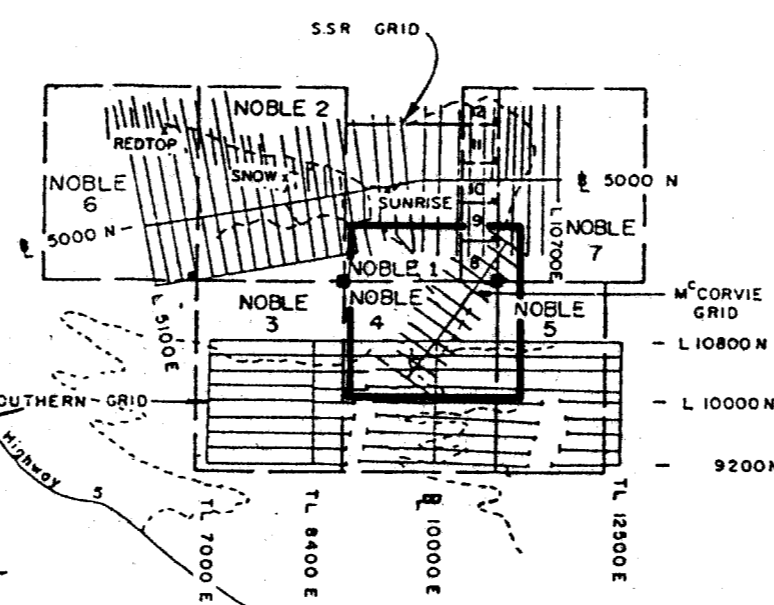
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DATA PLOTTED ON THIS MAP:
 SEE PLTLEG

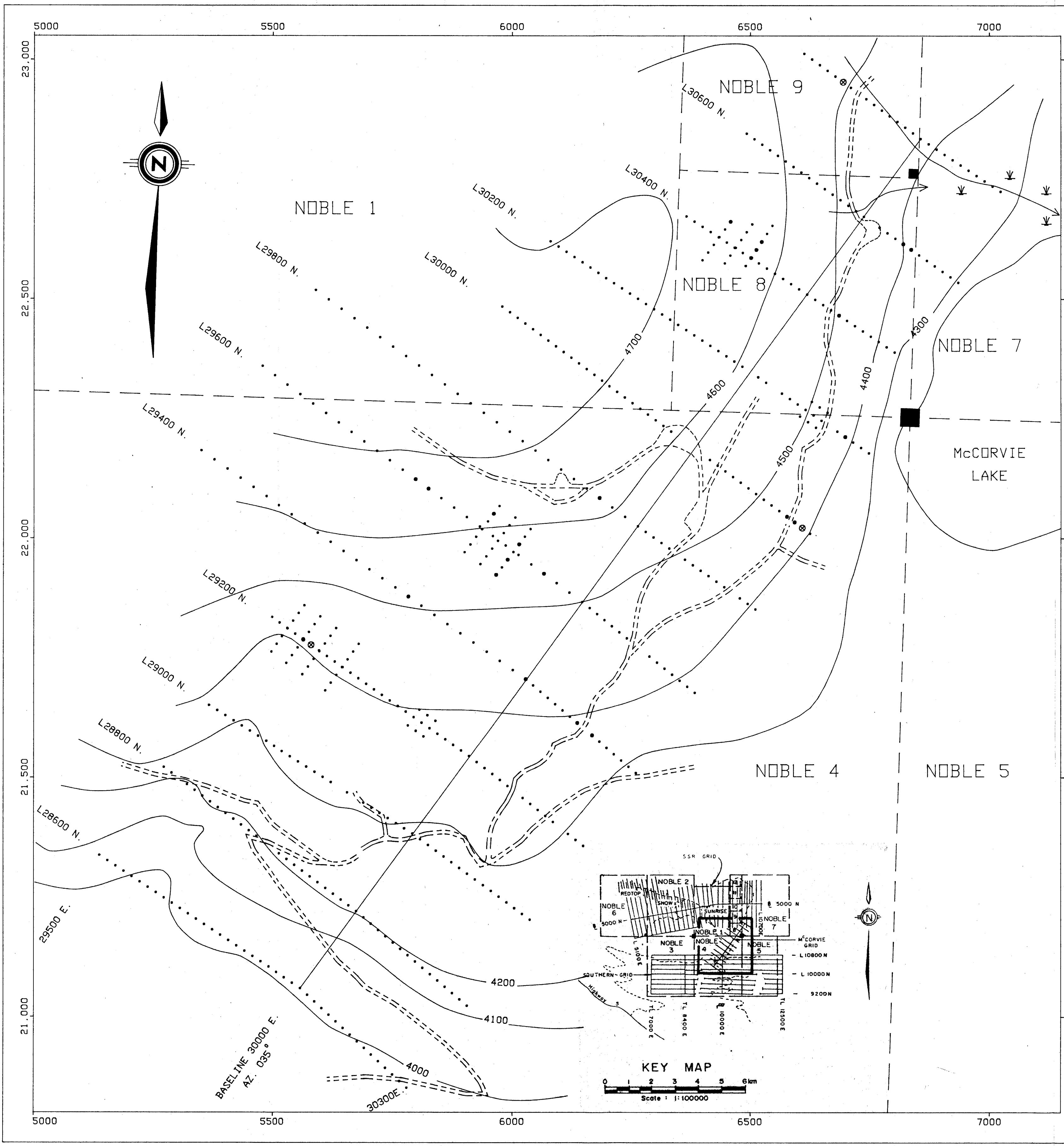
	FIELD	FILE
POINTS:	ZN	MCORSOIL.UTM
POINTS:	ZN	MCORSOIL.UTM



FIG. 24



DRAWN NEM		PLACER DOME INC. NOBLE 1989 SOILS McCORVIE GRID ZINC SYMBOL PLOT
DATE 15/ 3/90		
SCALE 1:5000		
ND.		PLATE



NOBLE 1989 SOILS
McCORVIE GRID
SILVER SYMBOL PLOT

LEGEND

- 1989 SILVER VALUES
- SILVER VALUES < 0.5 PPM.
 - SILVER VALUES 0.5 - 0.74 PPM.
 - ⊙ SILVER VALUES 0.75 - 1.0 PPM.
 - ⊗ SILVER VALUES > 1.0 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 1.0 PPM.
- STREAMS
 - CONTOURS (100 Ft. Intervals)
 - SWAMPS
 - ROADS
 - L.C.P. - Legal Corner Post
 - CLAIM BOUNDARIES

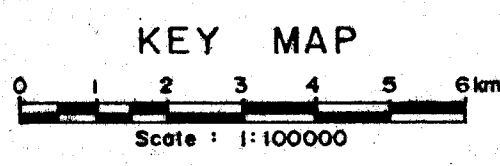
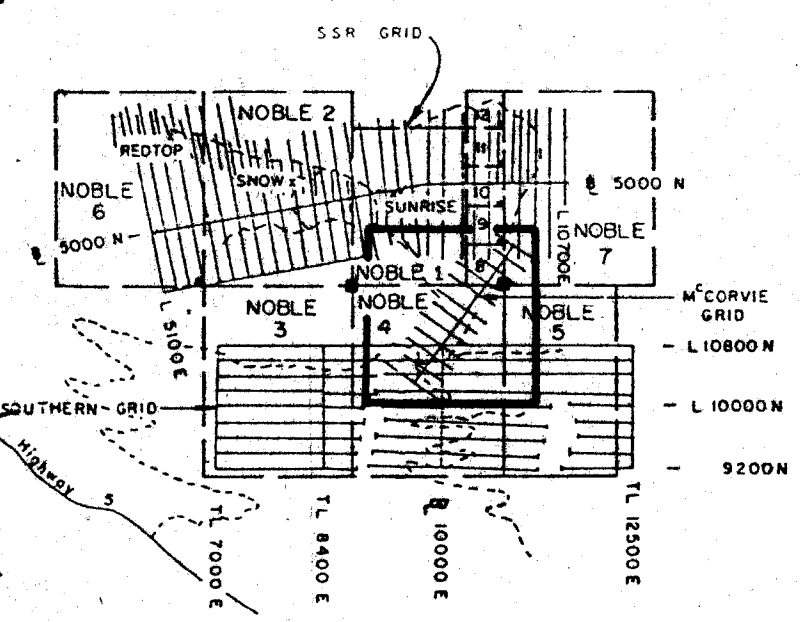
600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
I.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)

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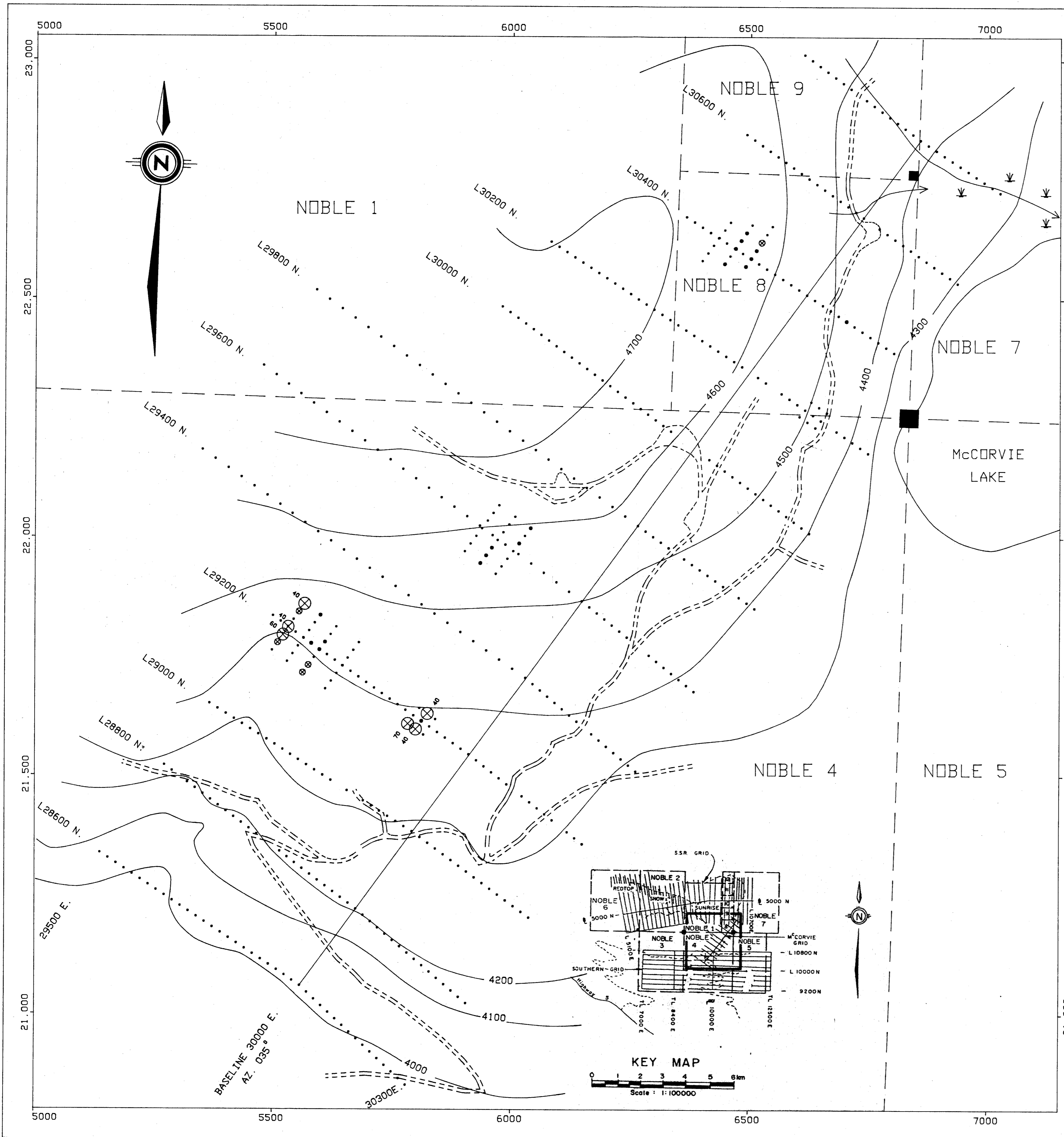
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DATA PLOTTED ON THIS MAP:
SEE PLTLEG

	FIELD	FILE
POINTS:	AG	MCORSOIL.UTM
POINTS:	AG	MCORSOIL.UTM



DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		McCORVIE GRID	
		SILVER SYMBOL PLOT	
ND.			PLATE



NOBLE 1989 SOILS
McCORMIE GRID
GOLD SYMBOL PLOT

LEGEND

- 1989 GOLD VALUES
- GOLD VALUES < 15 PPB.
 - GOLD VALUES 15 - 24 PPB.
 - ⊗ GOLD VALUES 25 - 40 PPB.
 - ⊗ GOLD VALUES > 40 PPB.
- ASSAY VALUES POSTED FOR SAMPLES > 40 PPB.
- STREAMS
 - CONTOURS (100 Ft. Intervals)
 - SWAMPS
 - ROADS
 - L.C.P. - Legal Corner Post
 - CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)

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DATA PLOTTED ON THIS MAP:
SEE PLTEG

	FIELD	FILE
POINTS:	AU	MCCORSOIL.UTM
POINTS:	AU	MCCORSOIL.UTM

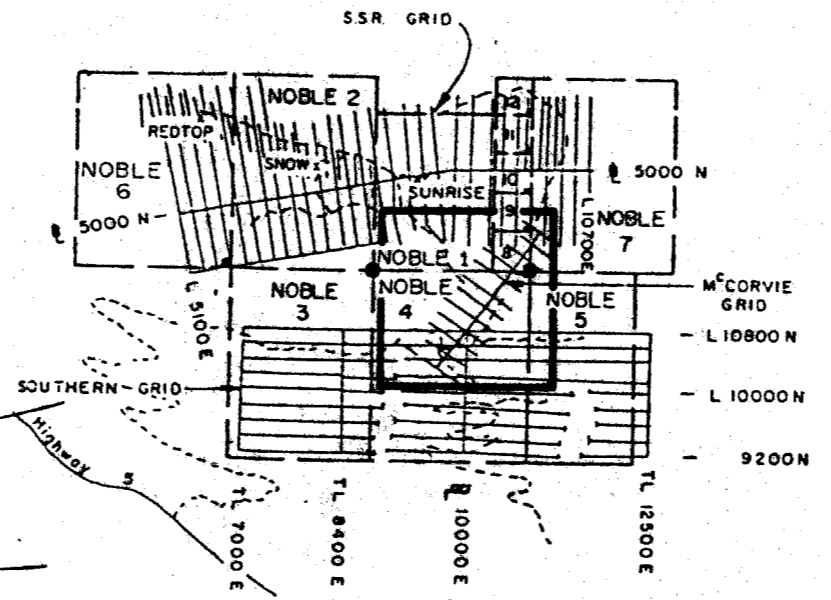
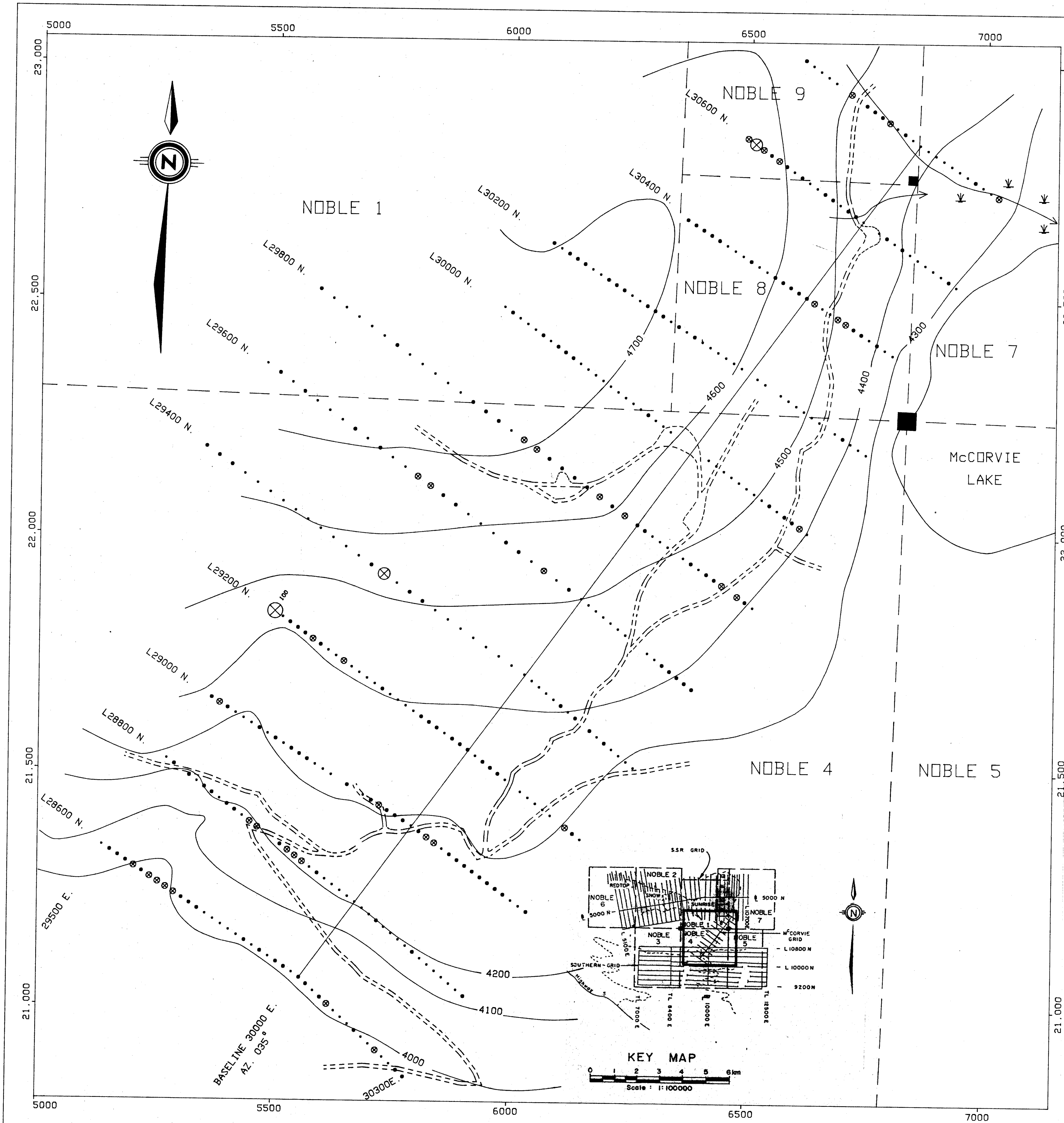


FIG. 26

DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		McCORMIE GRID	
		GOLD SYMBOL PLOT	
NO.		PLATE	



NOBLE 1989 SOILS
McCORMIE GRID
MERCURY SYMBOL PLOT

LEGEND

- 1989 MERCURY VALUES
- MERCURY VALUES < 20 PPM.
 - MERCURY VALUES 21 - 39 PPM.
 - ⊙ MERCURY VALUES 40 - 79 PPM.
 - ⊗ MERCURY VALUES 80 - 100 PPM.
 - ⊕ MERCURY VALUES > 100 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 100 PPM.
- STREAMS
 - 4500 CONTOURS (100 Ft. Intervals)
 - SWAMPS
 - ROADS
 - L.C.P. - Legal Corner Post
 - CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)

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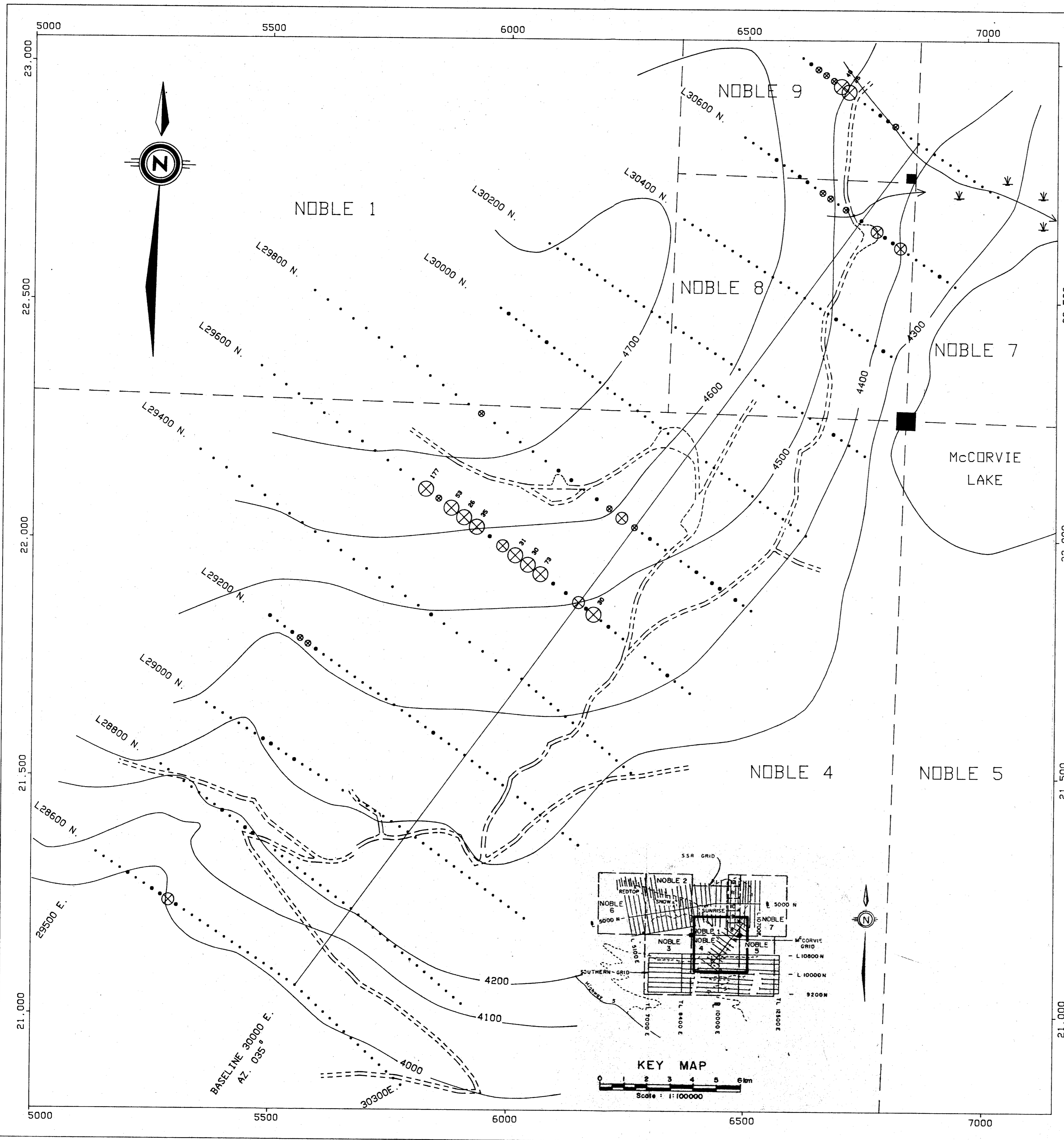
DATA PLOTTED ON THIS MAP:
SEE PLTLEG

	FIELD	FILE
POINTS:	HG	MCORSOIL.UTM
POINTS:	HG	MCORSOIL.UTM



FIG. 27

DRAWN NEM		PLACER DOME INC.	
DATE 15/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		McCORMIE GRID	
		MERCURY SYMBOL PLOT	
		NO.	PLATE



NOBLE 1989 SOILS
McCORVIE GRID
ARSENIC SYMBOL PLOT

LEGEND

- 1989 ARSENIC VALUES
- ARSENIC VALUES < 11 PPM.
 - ARSENIC VALUES 11 - 15 PPM.
 - ⊙ ARSENIC VALUES 16 - 20 PPM.
 - ⊗ ARSENIC VALUES 21 - 26 PPM.
 - ⊗ ARSENIC VALUES > 26 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 26 PPM.
- STREAMS
 - 4500 CONTOURS (100 Ft. Intervals)
 - SWAMPS
 - ROADS
 - L.C.P. - Legal Corner Post
 - CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)

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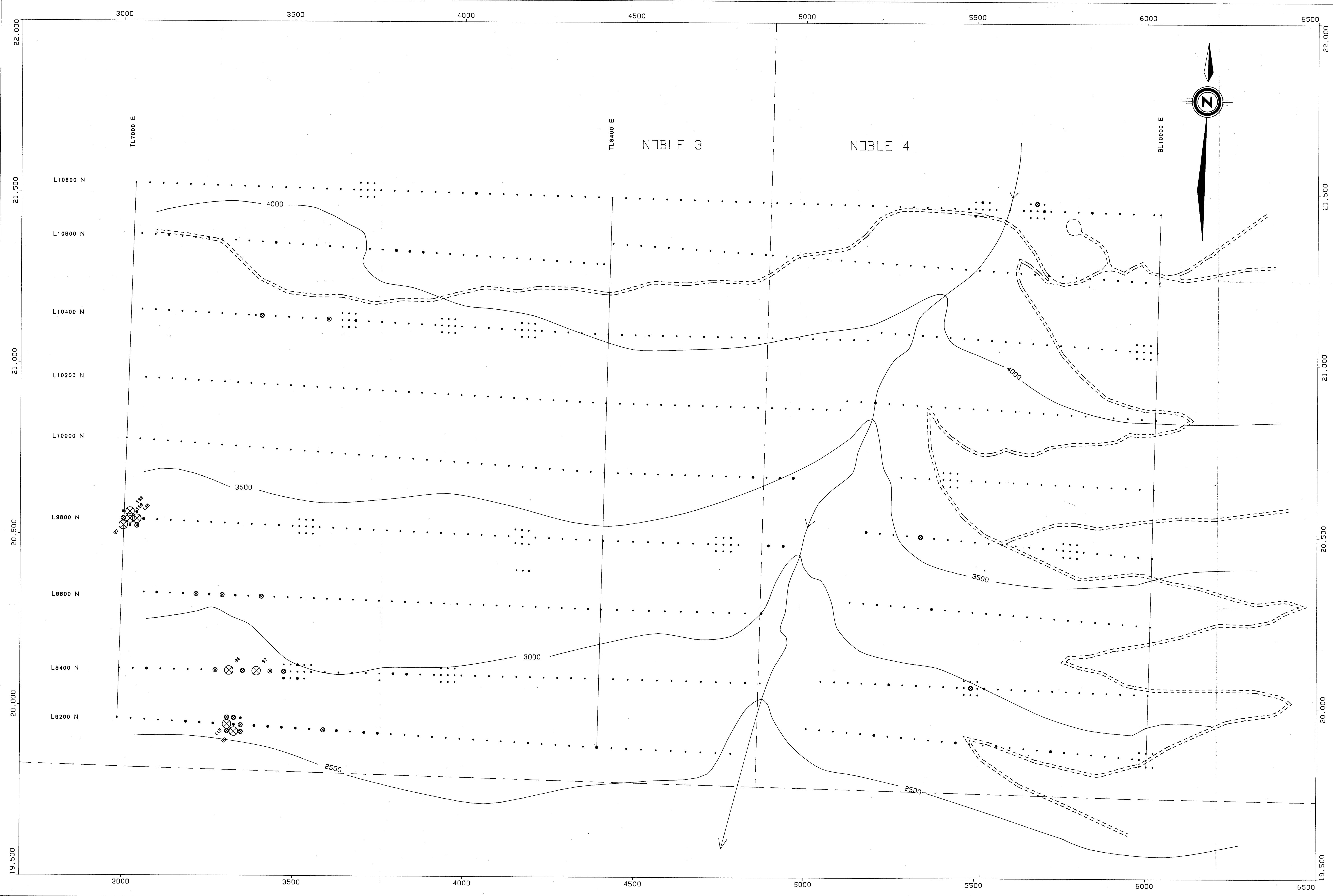
DATA PLOTTED ON THIS MAP:
SEE PLTLEG

	FIELD	FILE
POINTS:	AS	MCORSOIL.UTM
POINTS:	AS	MCORSOIL.UTM



FIG. 26

DRAWN NEM		PLACER DOME INC.	
DATE 15/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		McCORVIE GRID	
		ARSENIC SYMBOL PLOT	
NO.		PLATE	



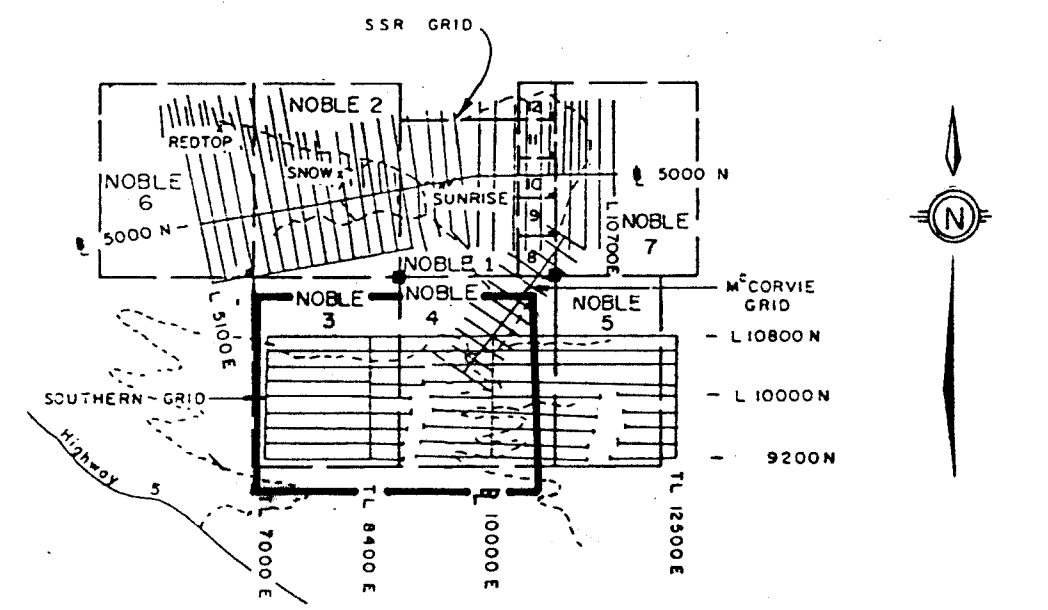
NOBLE 1989 SOILS
SOUTHERN RECON. GRID - WEST HALF
COPPER SYMBOL PLOT

LEGEND

- 1989 COPPER VALUES
- COPPER VALUES < 35 PPM.
 - COPPER VALUES 35 - 59 PPM.
 - ⊙ COPPER VALUES 60 - 90 PPM.
 - ⊗ COPPER VALUES > 90 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 90 PPM.

- STREAMS
- CONTOURS (500 Ft. Intervals)
- ROADS
- CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E, 20,000 N, represent
real UTM coordinates 660,000 E, 5,720,000 N.)



KEY MAP
Scale: 1:100000

DATA PLOTTED ON THIS MAP:
SEE PLTLEG

	FIELD	FILE
POINTS:	CU	SRV-SOIL.UTM
POINTS:	CU	SRV-SOIL.UTM



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DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - WEST HALF	
		COPPER SYMBOL PLOT	
NO.		PLATE	

FIG. 29

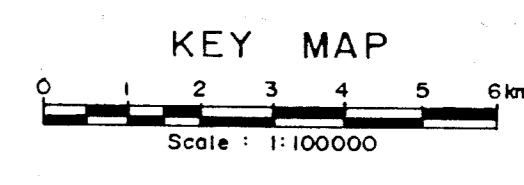
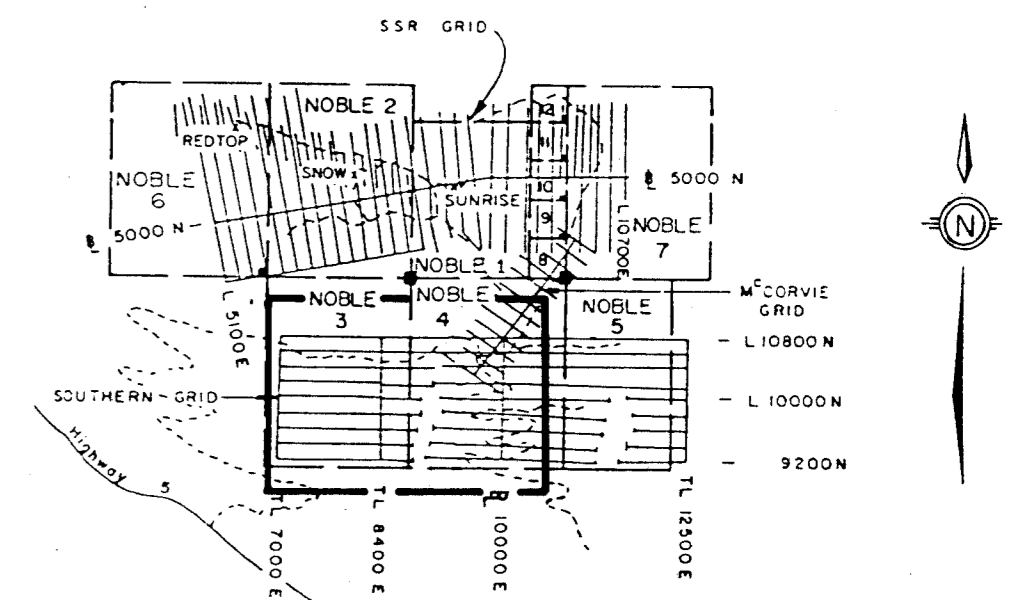
NOBLE 1989 SOILS
SOUTHERN RECON. GRID - WEST HALF
LEAD SYMBOL PLOT

LEGEND

- 1989 LEAD VALUES
- LEAD VALUES < 25 PPM.
 - LEAD VALUES 25 - 29 PPM.
 - ⊗ LEAD VALUES 30 - 39 PPM.
 - ⊗ LEAD VALUES 40 - 60 PPM.
 - ⊗ LEAD VALUES > 60 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 60 PPM.

- STREAMS
- CONTOURS (500 Ft. Intervals)
- ROADS
- CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E, 20,000 N. represent
real UTM coordinates 660,000 E, 5,720,000 N.)



DATA PLOTTED ON THIS MAP
SEE PLTLEG

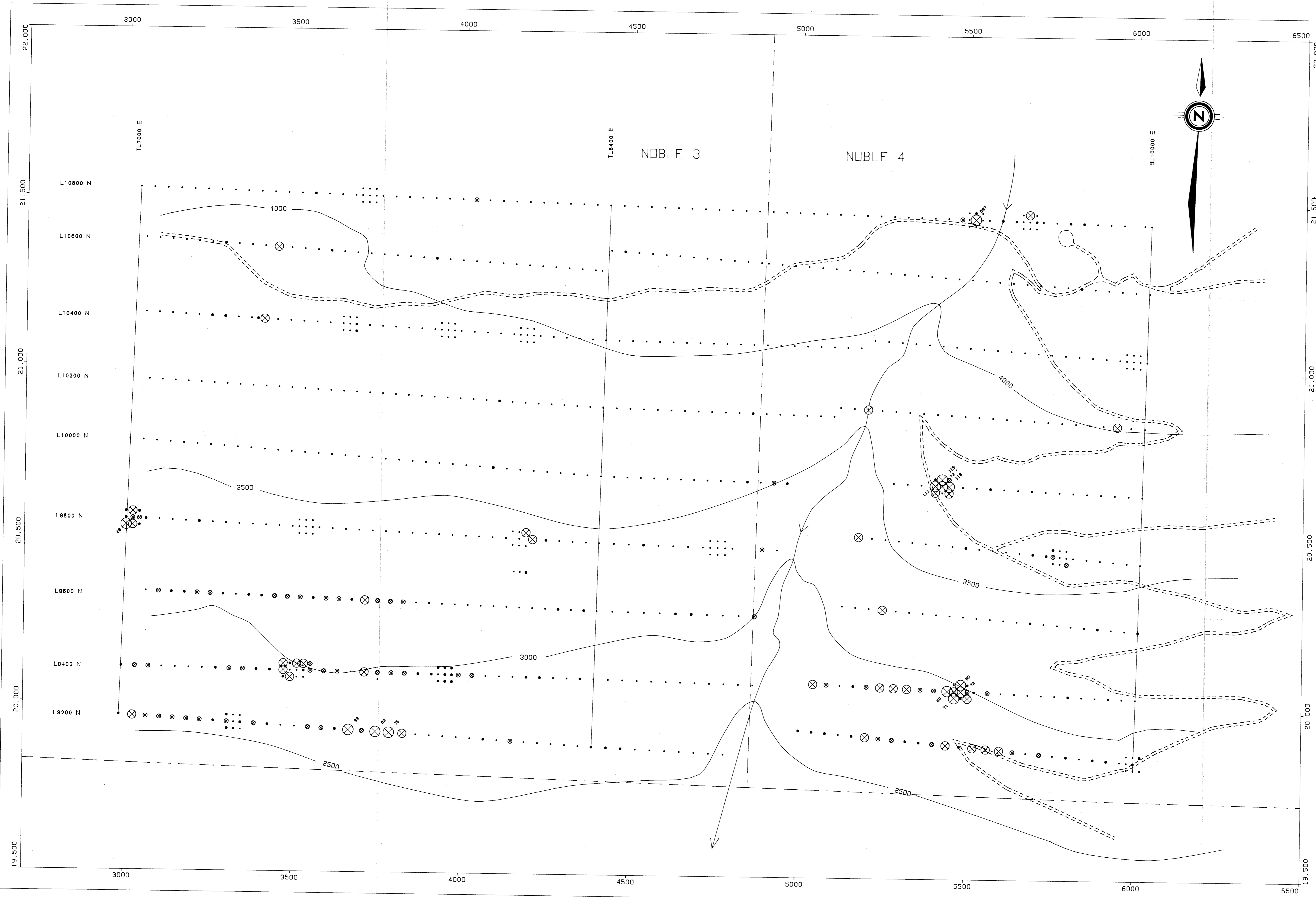
POINTS:	FIELD	FILE
POINTS:	PB	SRV-SOIL.UT
POINTS:	PB	SRV-SOIL.UT

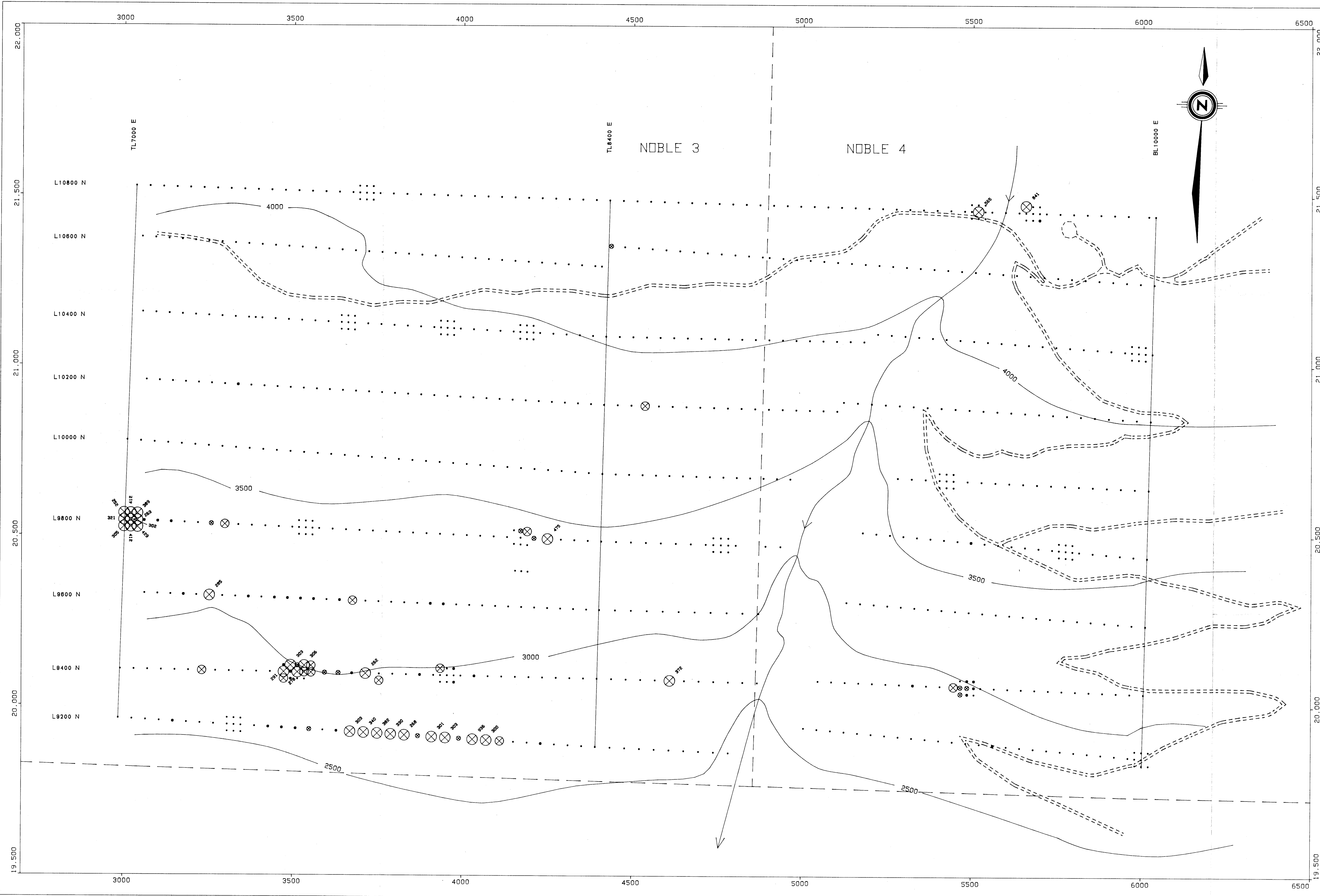


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FIG. 30

DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - WEST HALF	
		LEAD SYMBOL PLOT	
NO.		PLATE	





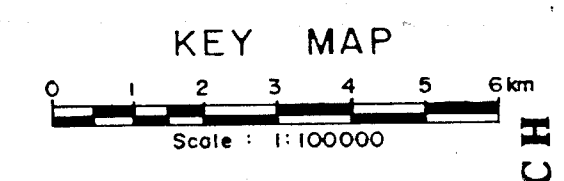
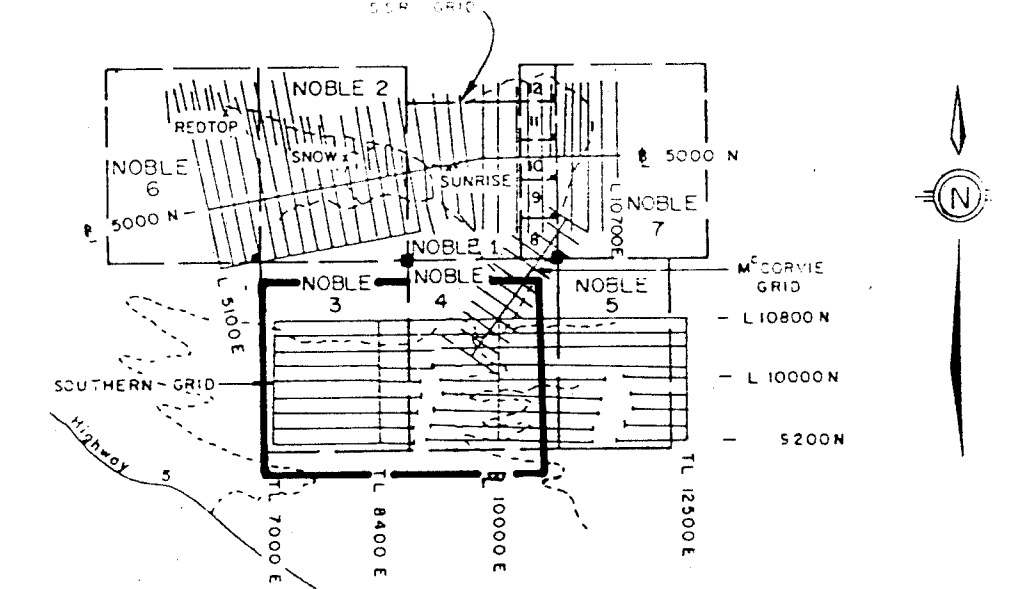
NOBLE 1989 SOILS
SOUTHERN RECON. GRID - WEST HALF
ZINC SYMBOL PLOT

LEGEND

- 1989 ZINC VALUES
- ZINC VALUES < 150 PPM.
 - ◉ ZINC VALUES 150 - 174 PPM.
 - ⊗ ZINC VALUES 175 - 199 PPM.
 - ⊗ ZINC VALUES 200 - 250 PPM.
 - ⊗ ZINC VALUES > 250 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 250 PPM.

- STREAMS
- CONTOURS (500 ft. intervals)
- ROADS
- CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)



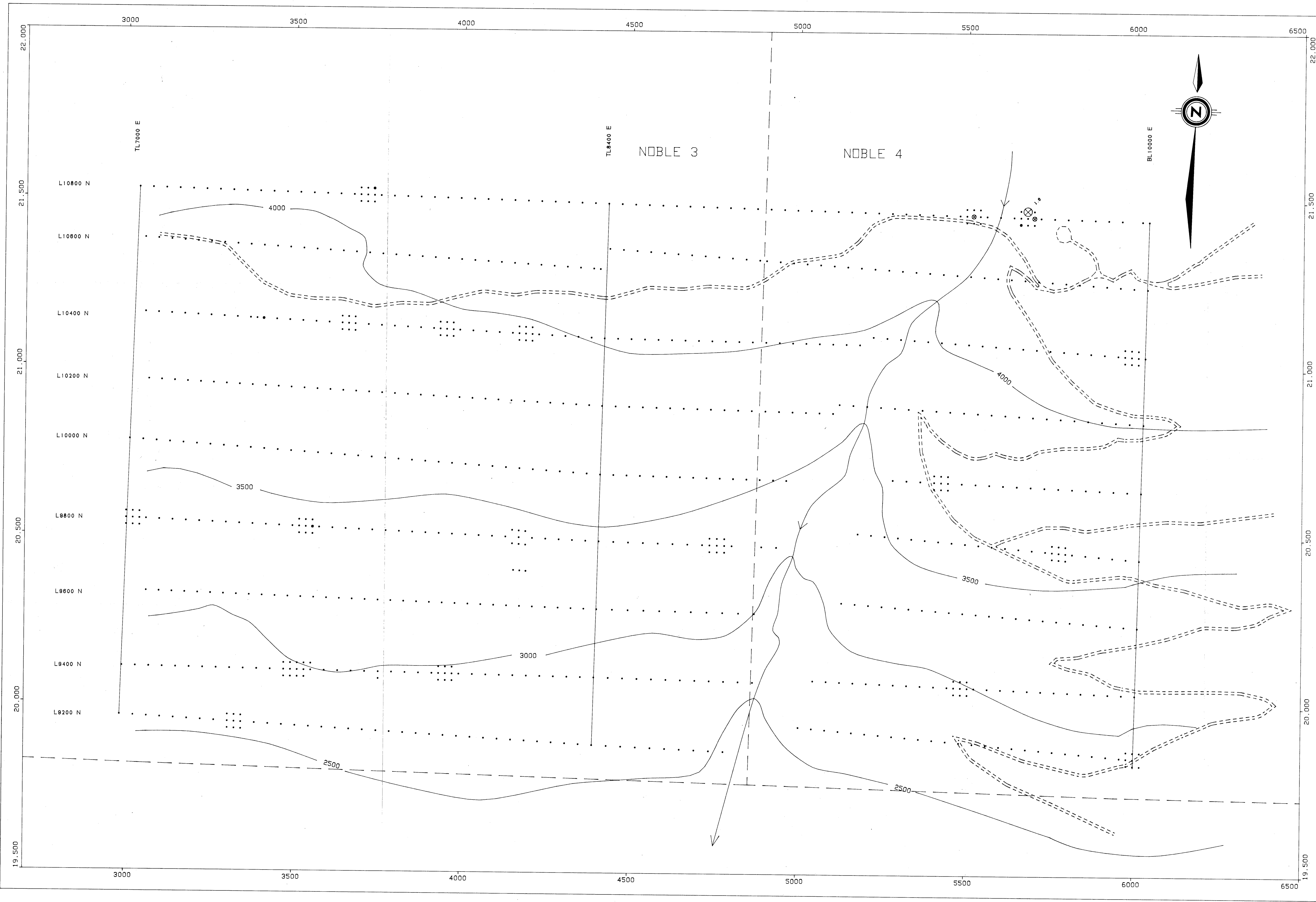
DATA PLOTTED ON THIS MAP
SEE PLOT LEG

POINTS:	FIELD ZN	FILE SRV-SOIL UTM
POINTS:	ZN	SRV-SOIL UTM



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DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - WEST HALF	
NO.		ZINC SYMBOL PLOT	
PLATE		FIG. 31	



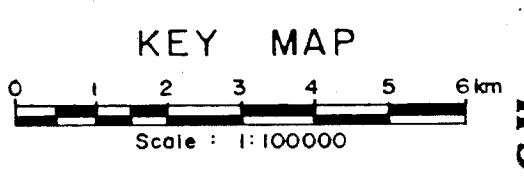
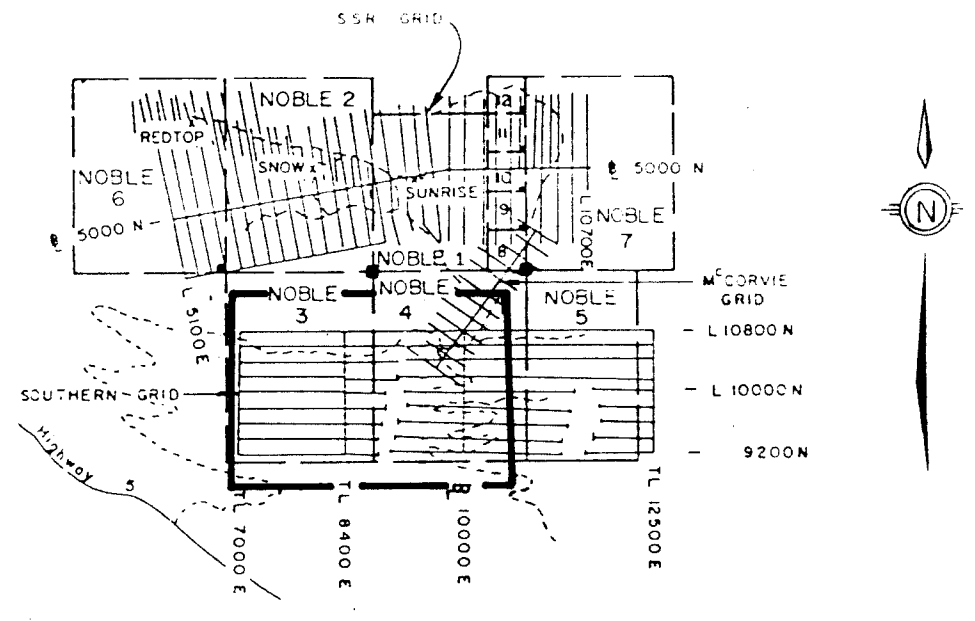
NOBLE 1989 SOILS
SOUTHERN RECON. GRID - WEST HALF
SILVER SYMBOL PLOT

LEGEND

- 1989 SILVER VALUES
- SILVER VALUES < 0.5 PPM.
 - SILVER VALUES 0.5 - 0.74 PPM.
 - ⊙ SILVER VALUES 0.75 - 1.0 PPM.
 - ⊗ SILVER VALUES > 1.0 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 1.0 PPM.

- STREAMS
- CONTOURS (500 Ft. Intervals)
- ROADS
- CLAIM BOUNDARIES

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E, 20,000 N, represent
real UTM coordinates 660,000 E, 5,720,000 N.)



DATA PLOTTED ON THIS MAP
SEE PLTLEG

	FIELD	FILE
POINTS:	AG	SRV-SOIL.UTM
POINTS:	AG	SRV-SOIL.UTM

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FIG. 32

DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - WEST HALF	
		SILVER SYMBOL PLOT	
NO.		PLATE	

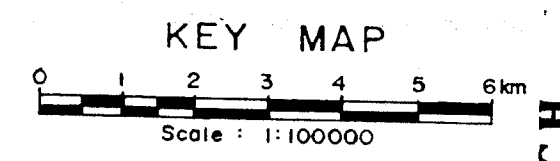
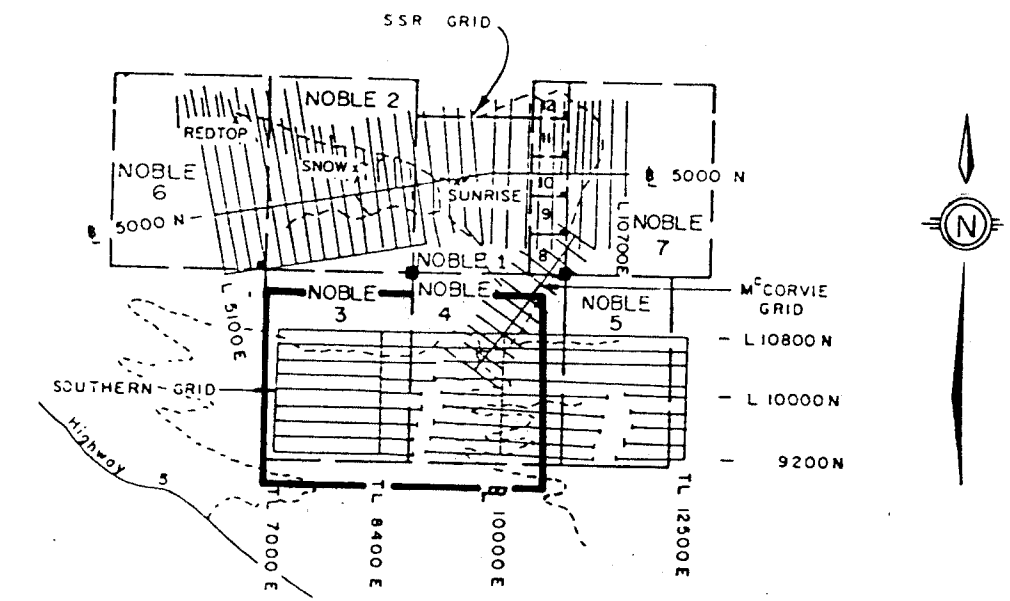
NOBLE 1989 SOILS
SOUTHERN RECON. GRID - WEST HALF
GOLD SYMBOL PLOT

LEGEND

- 1989 GOLD VALUES
- GOLD VALUES < 15 PPB.
 - GOLD VALUES 15 - 24 PPB.
 - ⊗ GOLD VALUES 25 - 40 PPB.
 - ⊗ GOLD VALUES > 40 PPB.
- ASSAY VALUES POSTED FOR SAMPLES > 40 PPB.

- STREAMS
- CONTOURS (500 Ft. Intervals)
- ROADS
- CLAIM BOUNDARIES

600,000 n. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 n. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)



DATA PLOTTED ON THIS MAP
SEE PLTEG

FIELD	FILE
POINTS: AU	SRV-SOIL.UT
POINTS: AU	SRV-SOIL.UT



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PLACER DOME INC.	
NOBLE 1989 SOILS	
SOUTHERN RECON. GRID - WEST HALF	
GOLD SYMBOL PLOT	
DRAWN	NEW
DATE	13/ 3/90
SCALE	1:5000
NO.	PLATE

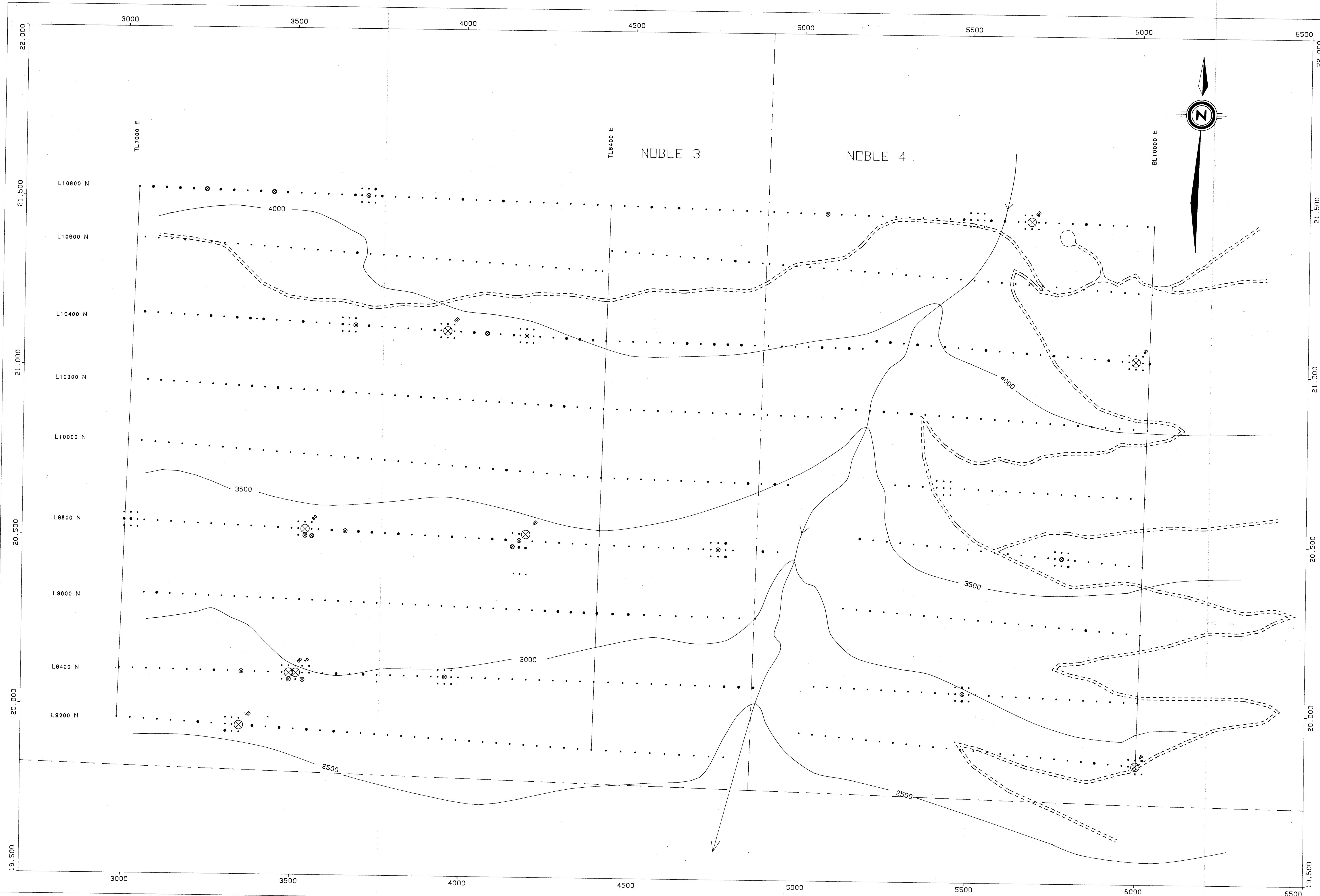


FIG. 33

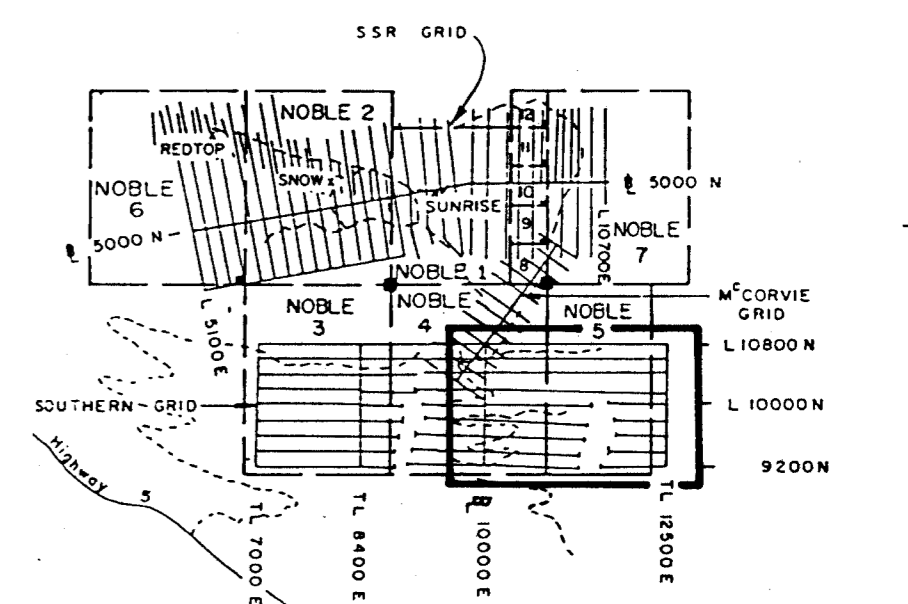
NOBLE 1989 SOILS
SOUTHERN RECON. GRID - EAST HALF
COPPER SYMBOL PLOT

LEGEND

- 1989 COPPER VALUES
- COPPER VALUES < 35 PPM.
 - COPPER VALUES 35 - 59 PPM.
 - ⊙ COPPER VALUES 60 - 90 PPM.
 - ⊗ COPPER VALUES > 90 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 90 PPM.

- - - CLAIM BOUNDARIES
- ~ ~ ~ STREAMS
- 4500 CONTOURS (500 Ft. Intervals)
- ==== ROADS

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)



KEY MAP

Scale: 1:100000

DATA PLOTTED ON THIS MAP
SEE PLTLEG

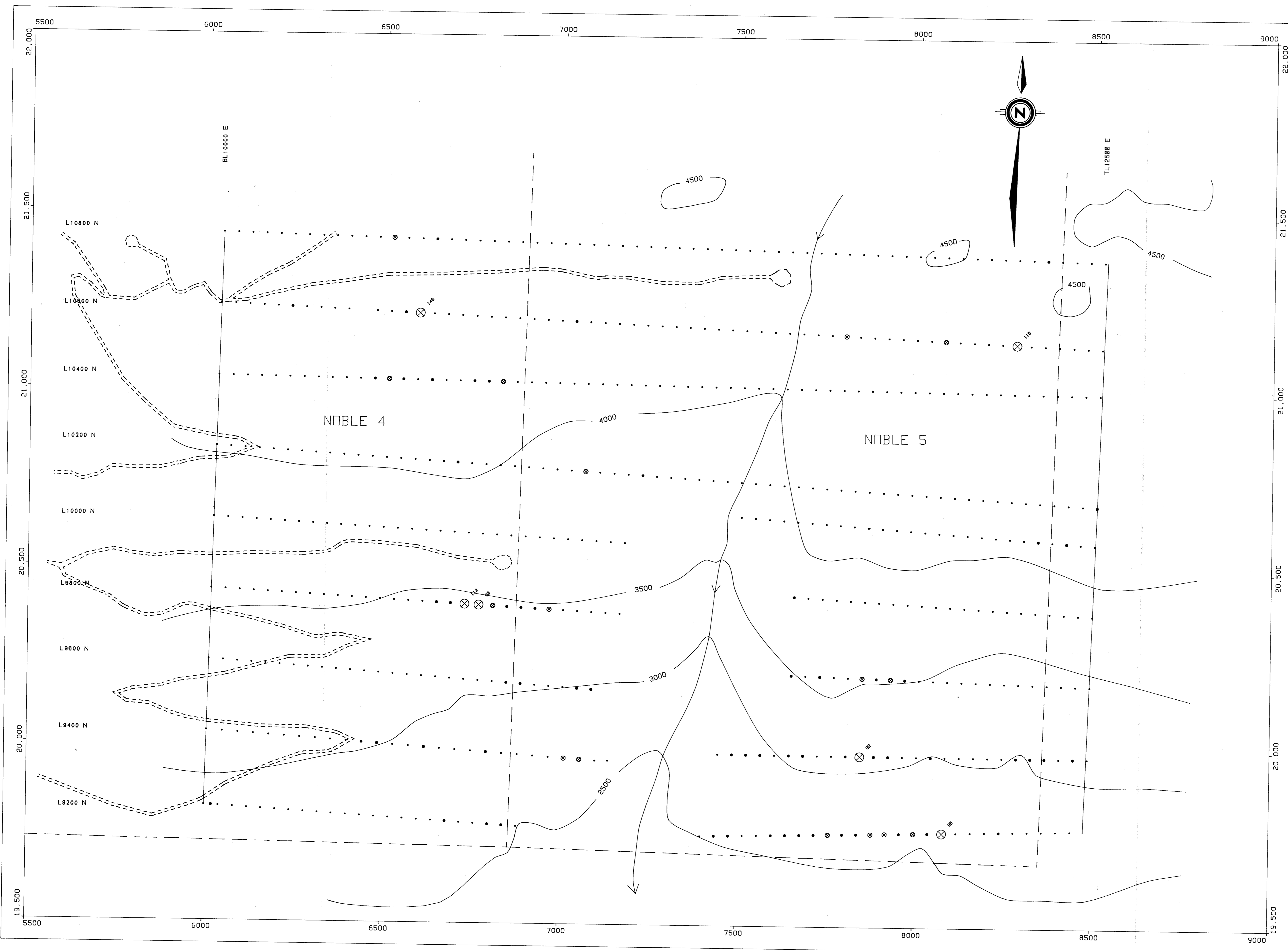
FIELD	FILE
POINTS: CU	SRE-SOIL.UTM
POINTS: CU	SRE-SOIL.UTM

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FIG. 34

DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - EAST HALF	
		COPPER SYMBOL PLOT	
NO.		PLATE	



NOBLE 1989 SOILS
SOUTHERN RECON. GRID - EAST HALF
LEAD SYMBOL PLOT

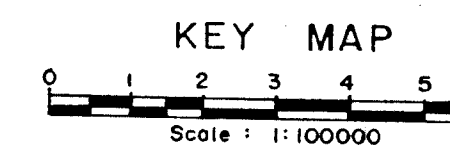
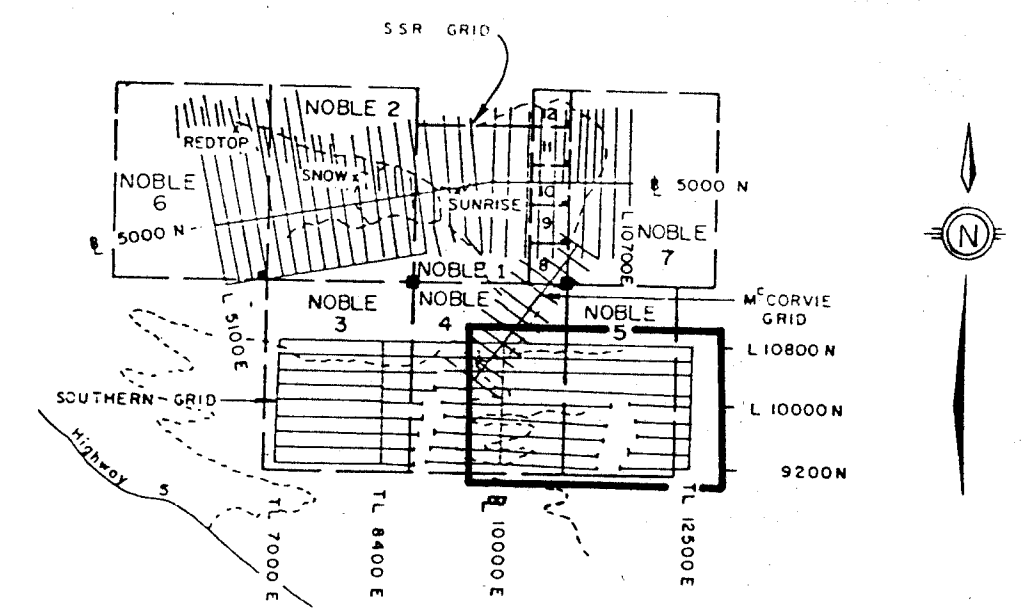
LEGEND

1989 LEAD VALUES

- LEAD VALUES < 25 PPM.
 - LEAD VALUES 25 - 29 PPM.
 - ⊗ LEAD VALUES 30 - 39 PPM.
 - ⊗ LEAD VALUES 40 - 60 PPM.
 - ⊗ LEAD VALUES > 60 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 60 PPM.

- - - - - CLAIM BOUNDARIES
- ~ ~ ~ ~ ~ STREAMS
- 4500 CONTOURS (500 ft. Intervals)
- ===== ROADS

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E, 20,000 N, represent
real UTM coordinates 660,000 E, 5,720,000 N.)



DATA PLOTTED ON THIS MAP
SEE PLTLEG

FIELD FILE
POINTS: PB SRE-SOIL.UTM
POINTS: PB SRE-SOIL.UTM

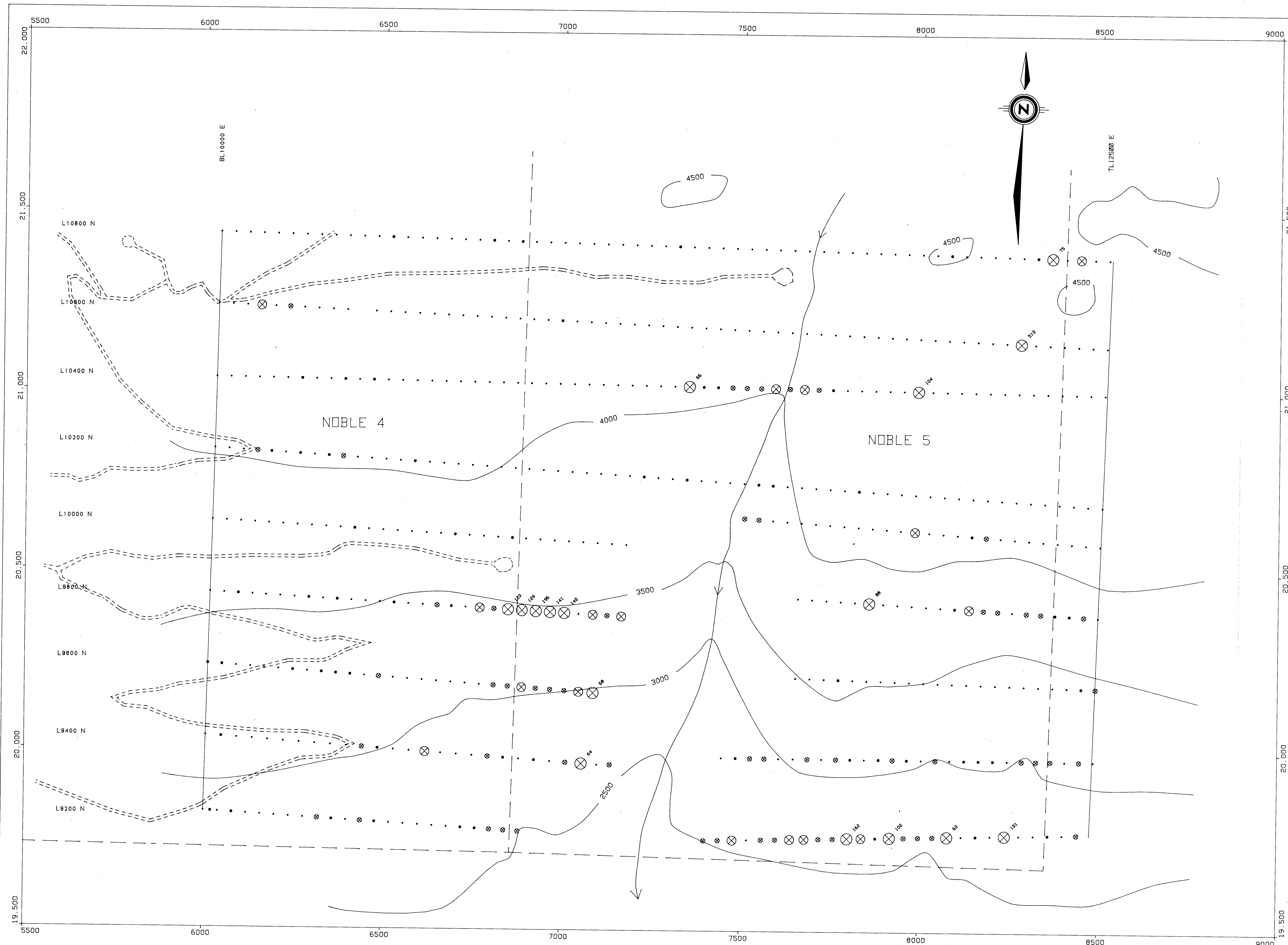


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FIG. 35

DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - EAST HALF	
		LEAD SYMBOL PLOT	
NO.		PLATE	



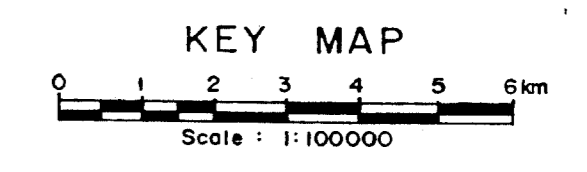
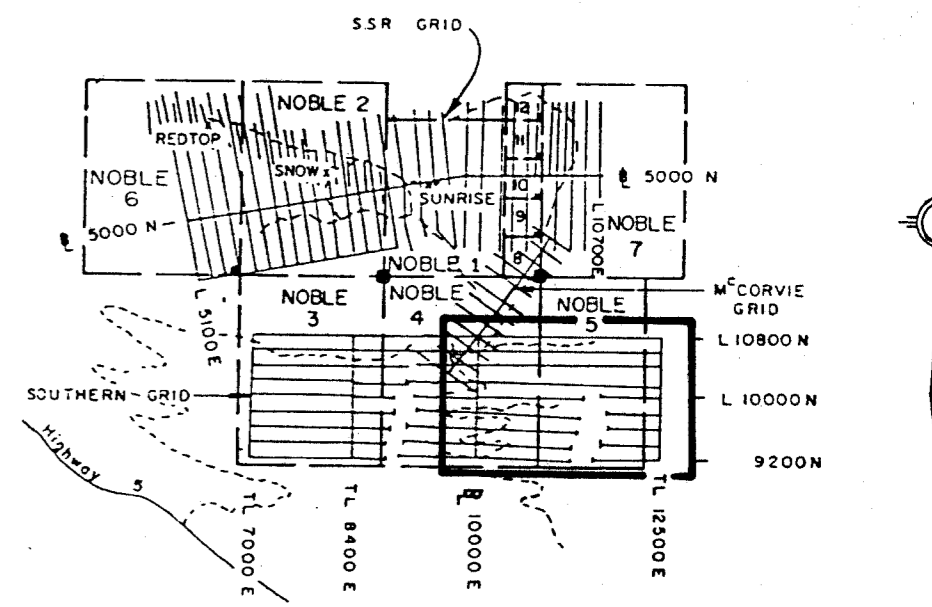
NOBLE 1989 SOILS
SOUTHERN RECON. GRID - EAST HALF
ZINC SYMBOL PLOT

LEGEND

- 1989 ZINC VALUES
- ZINC VALUES < 150 PPM.
 - ZINC VALUES 150 - 174 PPM.
 - ⊙ ZINC VALUES 175 - 199 PPM.
 - ⊗ ZINC VALUES 200 - 250 PPM.
 - ⊗ ZINC VALUES > 250 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 250 PPM.

- - - CLAIM BOUNDARIES
- ~ ~ ~ STREAMS
- 4500 CONTOURS (500 Ft. intervals)
- ==== ROADS

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)



DATA PLOTTED ON THIS MAP:
SEE PLTLEG

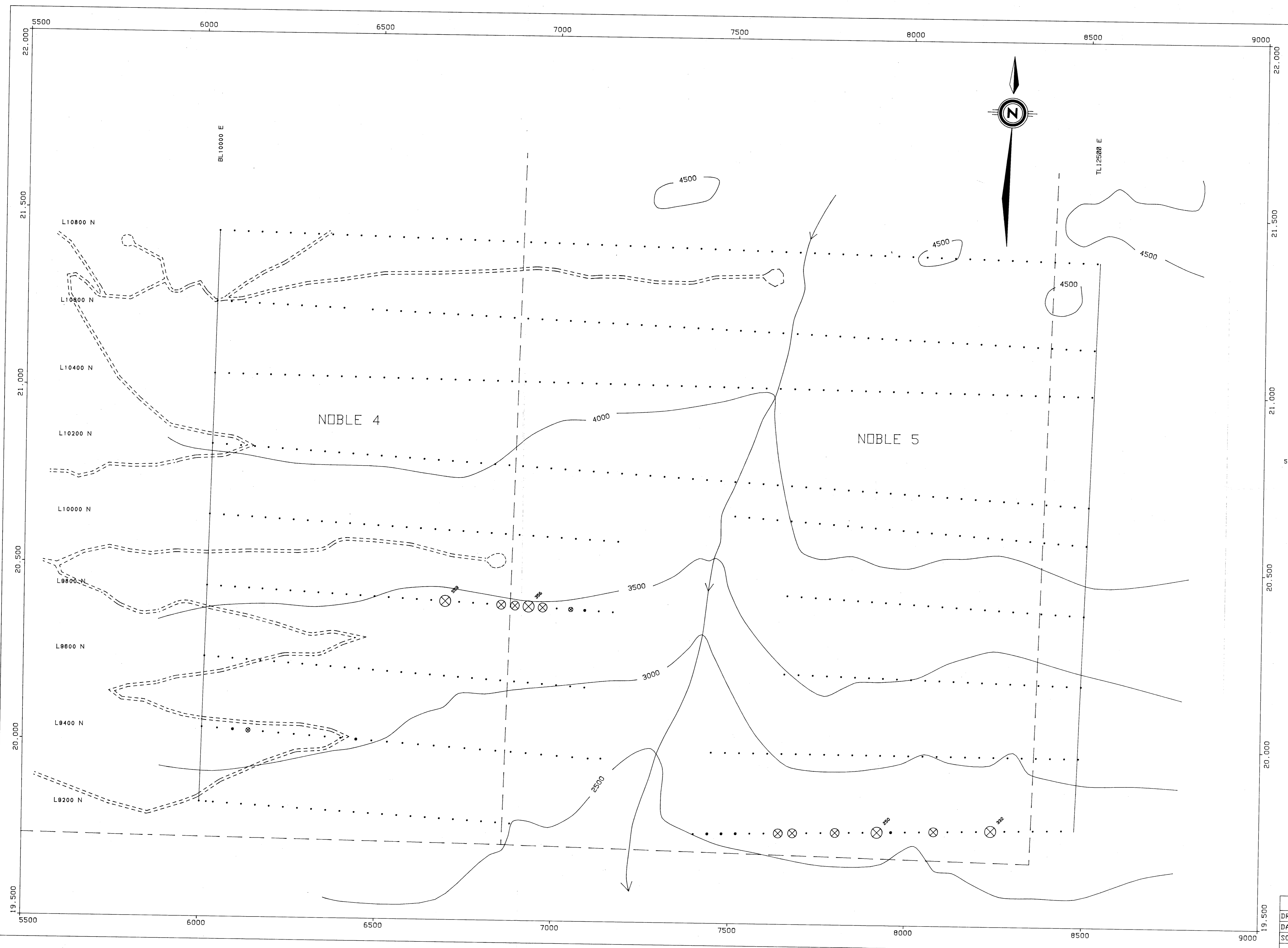
POINTS:	FIELD	FILE
POINTS:	ZN	SRE-SOIL.UTM
POINTS:	ZN	SRE-SOIL.UTM



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FIG. 36

DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - EAST HALF	
		ZINC SYMBOL PLOT	
NO.		PLATE	



NOBLE 1989 SOILS
SOUTHERN RECON. GRID - EAST HALF
SILVER SYMBOL PLOT

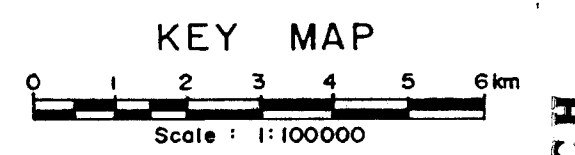
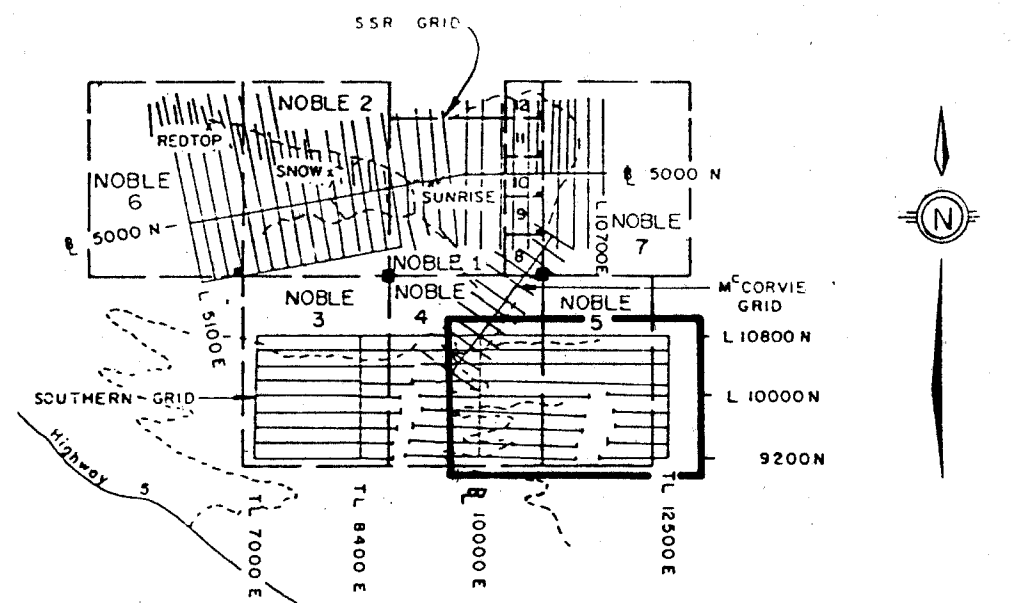
LEGEND

1989 SILVER VALUES

- SILVER VALUES < 0.5 PPM.
 - SILVER VALUES 0.5 - 0.74 PPM.
 - ⊗ SILVER VALUES 0.75 - 1.0 PPM.
 - ⊗ SILVER VALUES > 1.0 PPM.
- ASSAY VALUES POSTED FOR SAMPLES > 1.0 PPM.

- CLAIM BOUNDARIES
- ~ STREAMS
- 4500 CONTOURS (500 Ft. Intervals)
- ==== ROADS

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
i.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)



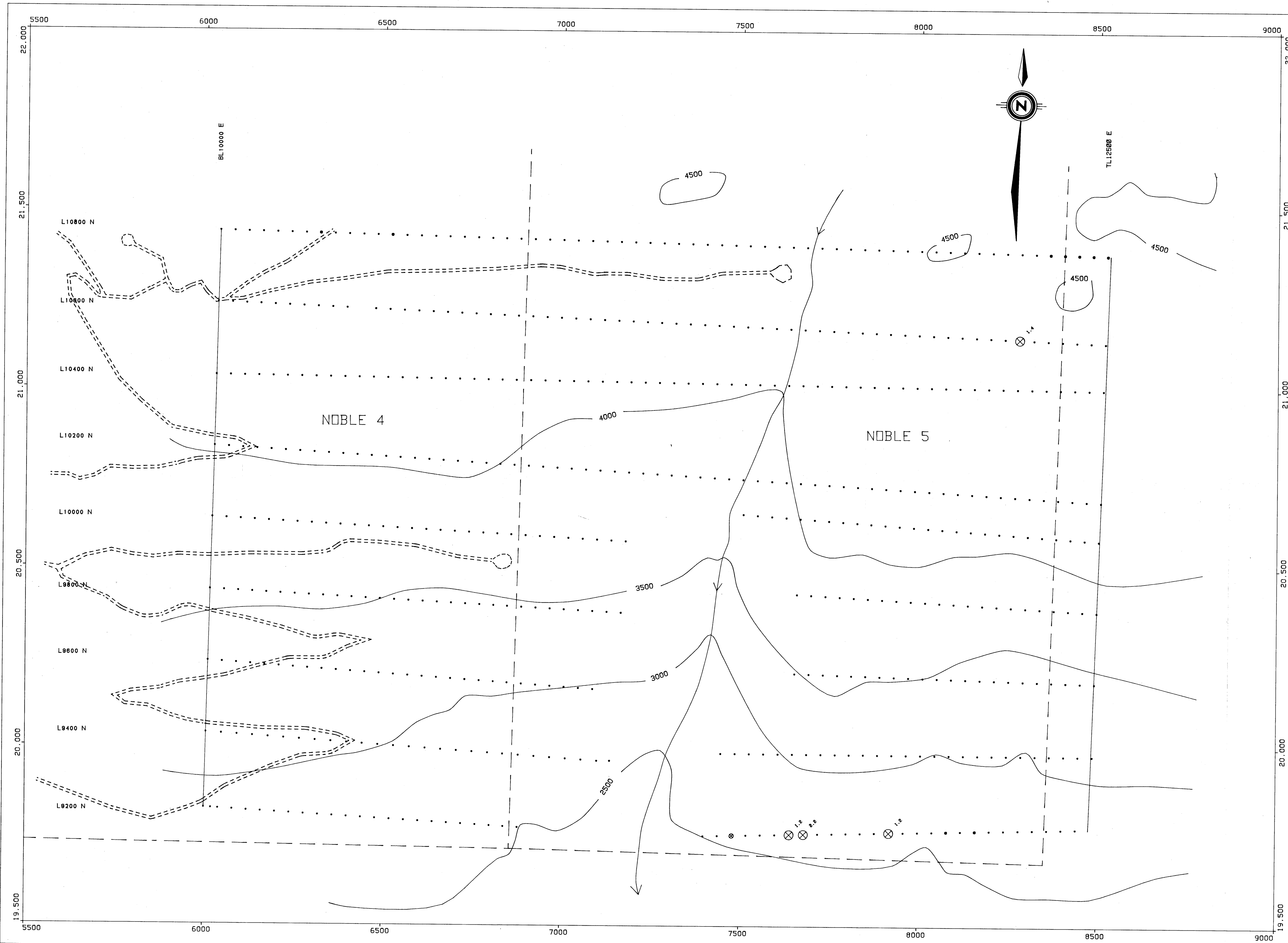
DATA PLOTTED ON THIS MAP:
SEE PLTLEG

POINTS:	AG	FILE	SRE-SOIL.UTM
POINTS:	AG	FILE	SRE-SOIL.UTM



FIG. 37

DRAWN NEM		PLACER DOME INC.	
DATE 14/ 3/90		NOBLE 1989 SOILS	
SCALE 1:5000		SOUTHERN RECON. GRID - EAST HALF	
NO.		SILVER SYMBOL PLOT	
		PLATE	



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NOBLE 1989 SOILS
SOUTHERN RECON. GRID - EAST HALF
GOLD SYMBOL PLOT

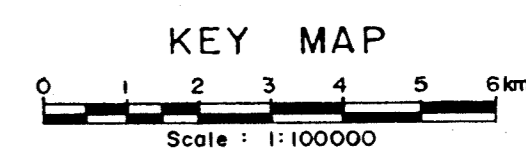
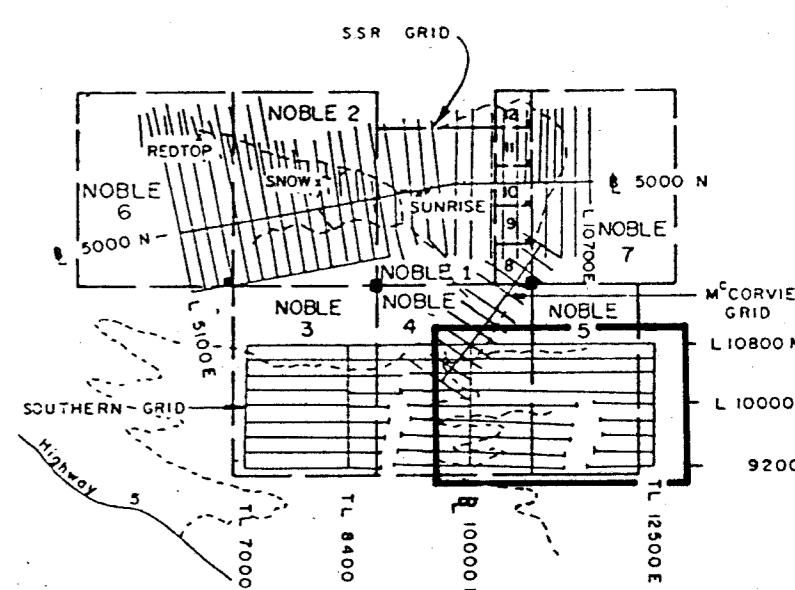
LEGEND

1989 GOLD VALUES

- GOLD VALUES < 15 PPB.
 - GOLD VALUES 15 - 24 PPB.
 - ⊗ GOLD VALUES 25 - 40 PPB.
 - ⊗ GOLD VALUES > 40 PPB.
- ASSAY VALUES POSTED FOR SAMPLES > 40 PPB.

- - - CLAIM BOUNDARIES
- ~ STREAMS
- 4500 CONTOURS (500 Ft. Intervals)
- ==== ROADS

600,000 m. HAS BEEN SUBTRACTED FROM THE EAST UTM COORDINATE.
5,700,000 m. HAS BEEN SUBTRACTED FROM THE NORTH UTM COORDINATE.
I.e. (Map coordinates 60,000 E. 20,000 N. represent
real UTM coordinates 660,000 E. 5,720,000 N.)



DATA PLOTTED ON THIS MAP
SEE PLTLEG

FIELD FILE
POINTS: AU SRE-SOIL UTM
POINTS: AU SRE-SOIL UTM



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FIG. 38

PLACER DOME INC.

DRAWN	NEM	NOBLE 1989 SOILS
DATE	14/ 3/90	SOUTHERN RECON. GRID - EAST HALF
SCALE	1:5000	GOLD SYMBOL PLOT
NO.		PLATE

