

**Geological, Geochemical, Geophysical  
Assessment Report**

**for the**

**CH 10-16 Mineral Claims**

**Lat 53 31'N Long 124 25'W**

**NTS 93F-7E/8W**

**January 1992**

**VOLUME II OF II**

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22027

Part 2 of 2



- GEOLOGIC LEGEND**
- MAPS FOR THIS AREA AND ADJACENT AREAS:
1. Low Altitude, Northwest of Placer Dome, 1988
  2. Placer Dome, Regional Map
  3. Placer Dome, Regional Map
- SYMBOLS:**
1. Boundary Lines
    - a. Boundary 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
  2. Aggregate (see legend)
  3. 1:50,000 scale map; 2: 1:25,000 scale map
- PROPERTY AREAS:**
1. Placer Dome Inc. (see map)
  2. Placer Dome Inc. (see map)
  3. Placer Dome Inc. (see map)
  4. Placer Dome Inc. (see map)
  5. Placer Dome Inc. (see map)

**LEGEND**

- CH 4: Legal Corner Post with claim lines
- Topographic Contour with elevation in meters
- Clear cut area
- Lake with feeder stream and clear cut area
- 69-2: Drill Hole with hole number
- Road with stream and culvert

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

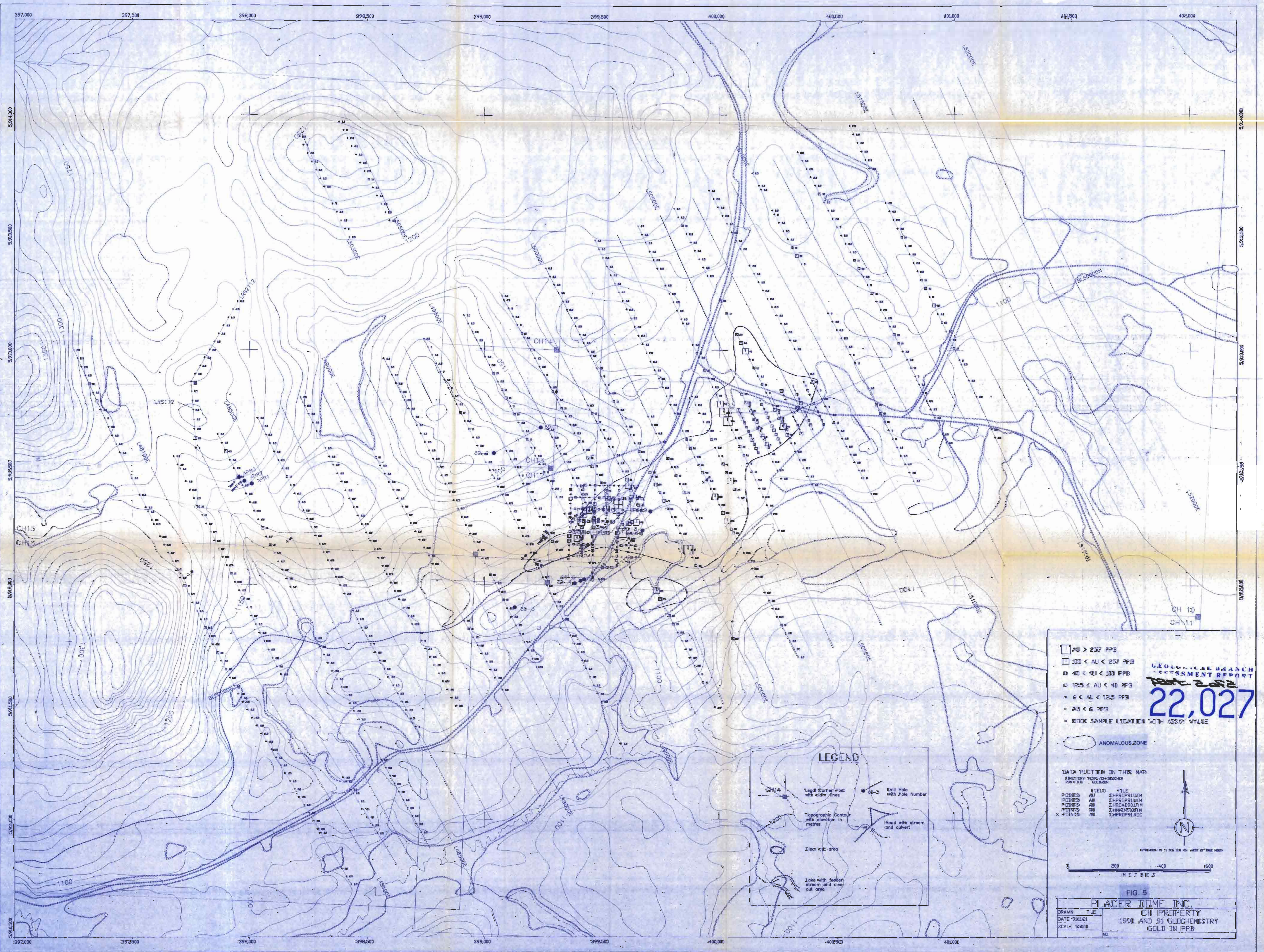
**22,027**

LOW NORTH IS 15 DEGREES WEST OF TRUE NORTH

0 200 400 600 METRES

PLACER DOME INC.  
CH PROPERTY  
GEOLOGY MAP

DRAWN: TJC  
SCALE: 1:50,000  
DATE: 7/28/92



□ AU > 257 PPB  
 □ 100 < AU < 257 PPB  
 □ 40 < AU < 100 PPB  
 □ 12.5 < AU < 40 PPB  
 □ 6 < AU < 12.5 PPB  
 \* AU < 6 PPB  
 \* ROCK SAMPLE LOCATION WITH ASSAY VALUE

○ ANOMALOUS ZONE

**22,027**  
 GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

**LEGEND**

- Legend Corner Point with ddim. lines
- Topographic Contour with elevation in metres
- Clear cut area
- Lake with feeder stream and clear cut area
- Drill Hole with hole Number
- Flood with stream and culvert

DATA PLOTTED ON THIS MAP:  
 □ DRILL HOLE / CORE / CHARGE  
 \* ROCK

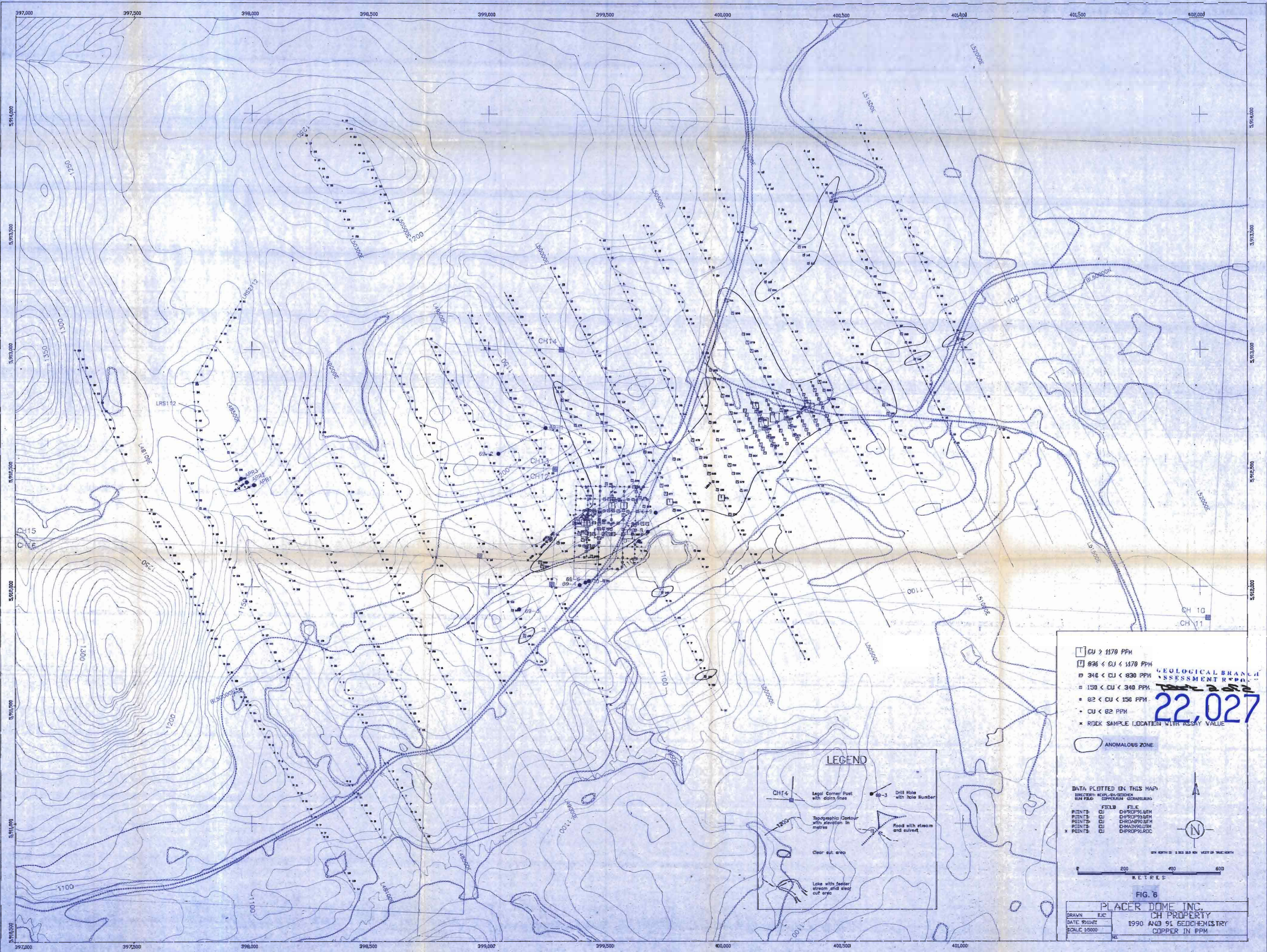
POINTS	FIELD	FILE
□	AU	CHPROP91A1M
□	AU	CHPROP91B1M
□	AU	CHPROP91C1M
□	AU	CHPROP91D1C

1:50,000 IS 1:50,000 FOR WEST OF TRUE NORTH

0 200 400 600 METRES

**FIG. 5**  
**PLACER DOME INC.**  
 CH PROPERTY  
 1990 AND 91 GEOCHEMISTRY  
 GOLD IN PPB

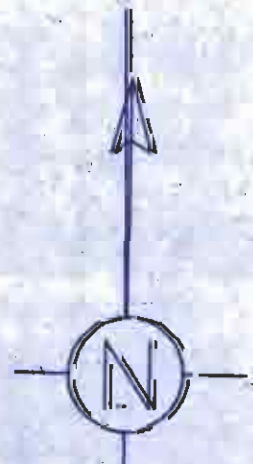
DRAWN T.J.E.  
 DATE 9/11/91  
 SCALE 1:5000



- GEOLOGICAL BRANCH  
ASSESSMENT REPORT**
- 22,027**
- CU > 1570 PPM
  - ▣ 826 < CU < 1570 PPM
  - ▢ 340 < CU < 830 PPM
  - ◻ 150 < CU < 340 PPM
  - 82 < CU < 150 PPM
  - CU < 82 PPM
  - × ROCK SAMPLE LOCATION WITH ASSAY VALUE

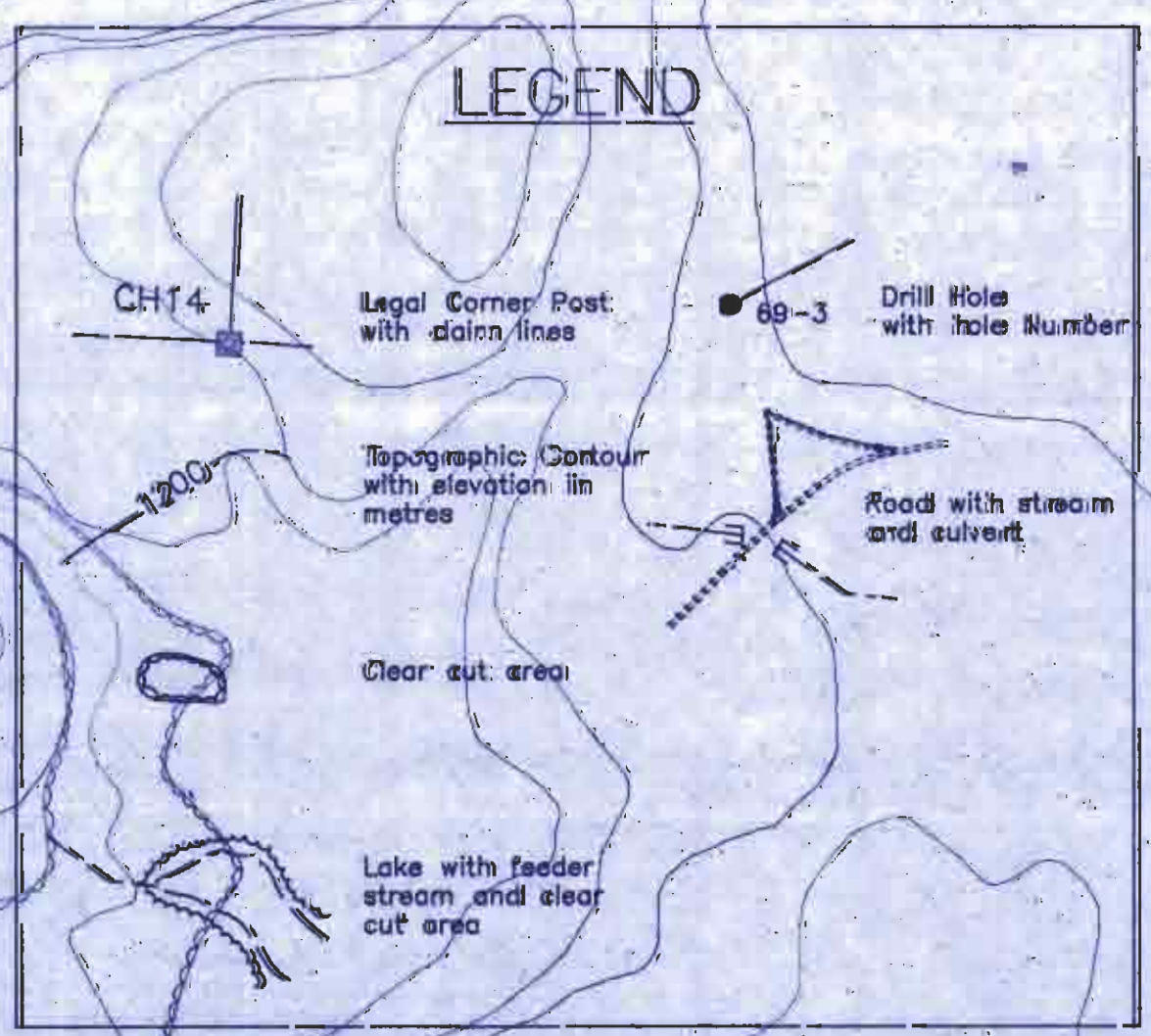
○ ANOMALOUS ZONE

DATA PLOTTED ON THIS MAP:  
 DIRECTORY: 80PL/84/GEOCHEM  
 ROOM #160  
 FIELD FILE: CHPROP91LIM  
 FILE: CHPROP91LIM  
 PRINTS: CU CHPROP91LIM  
 PRINTS: CU CHPROP91LIM  
 PRINTS: CU CHPROP91LIM  
 PRINTS: CU CHPROP91LIM  
 PRINTS: CU CHPROP91LIM



800 NORTH IS 1.000 000 METERS WEST OF TRUE NORTH

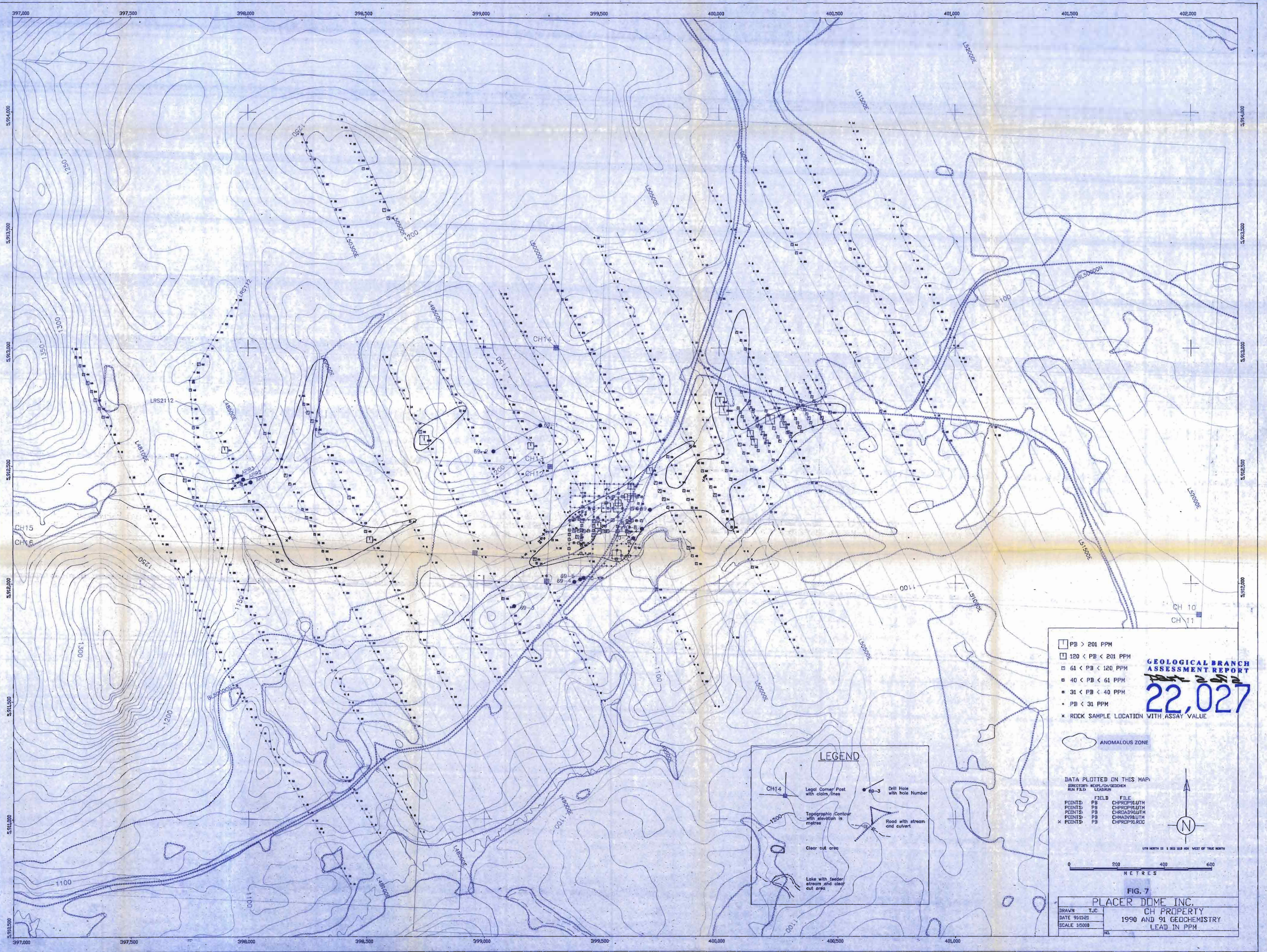
0 200 400 600 METERS



**FIG. 6**

**PLACER DOME INC.**  
**CH PROPERTY**  
 1990 AND 91 GEOCHEMISTRY  
 COPPER IN PPM

DRAWN: EJC  
 DATE: 9/11/92  
 SCALE: 1:5000



□ PB > 201 PPM  
 □ 120 < PB < 201 PPM  
 □ 61 < PB < 120 PPM  
 □ 40 < PB < 61 PPM  
 □ 31 < PB < 40 PPM  
 • PB < 31 PPM  
 x ROCK SAMPLE LOCATION WITH ASSAY VALUE

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**  
**22,027**

○ ANOMALOUS ZONE

DATA PLOTTED ON THIS MAP:  
 DIRECTORY: H:\GEO\CH\GEOCHEM  
 RUN FILE: LEAD.PRM  
 FIELD FILE: CHPROP91LUTM  
 POINTS: PB CHPROP91LUTM  
 POINTS: PB CHPROP91LUTM  
 POINTS: PB CHPROP91LUTM  
 POINTS: PB CHPROP91LUTM  
 x POINTS: PB CHPROP91LUTM

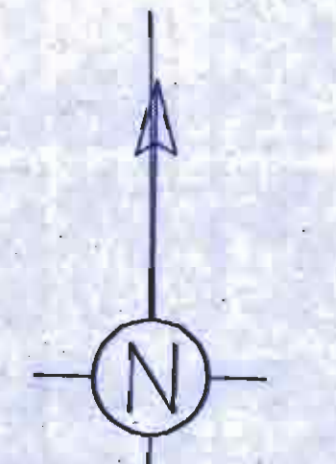
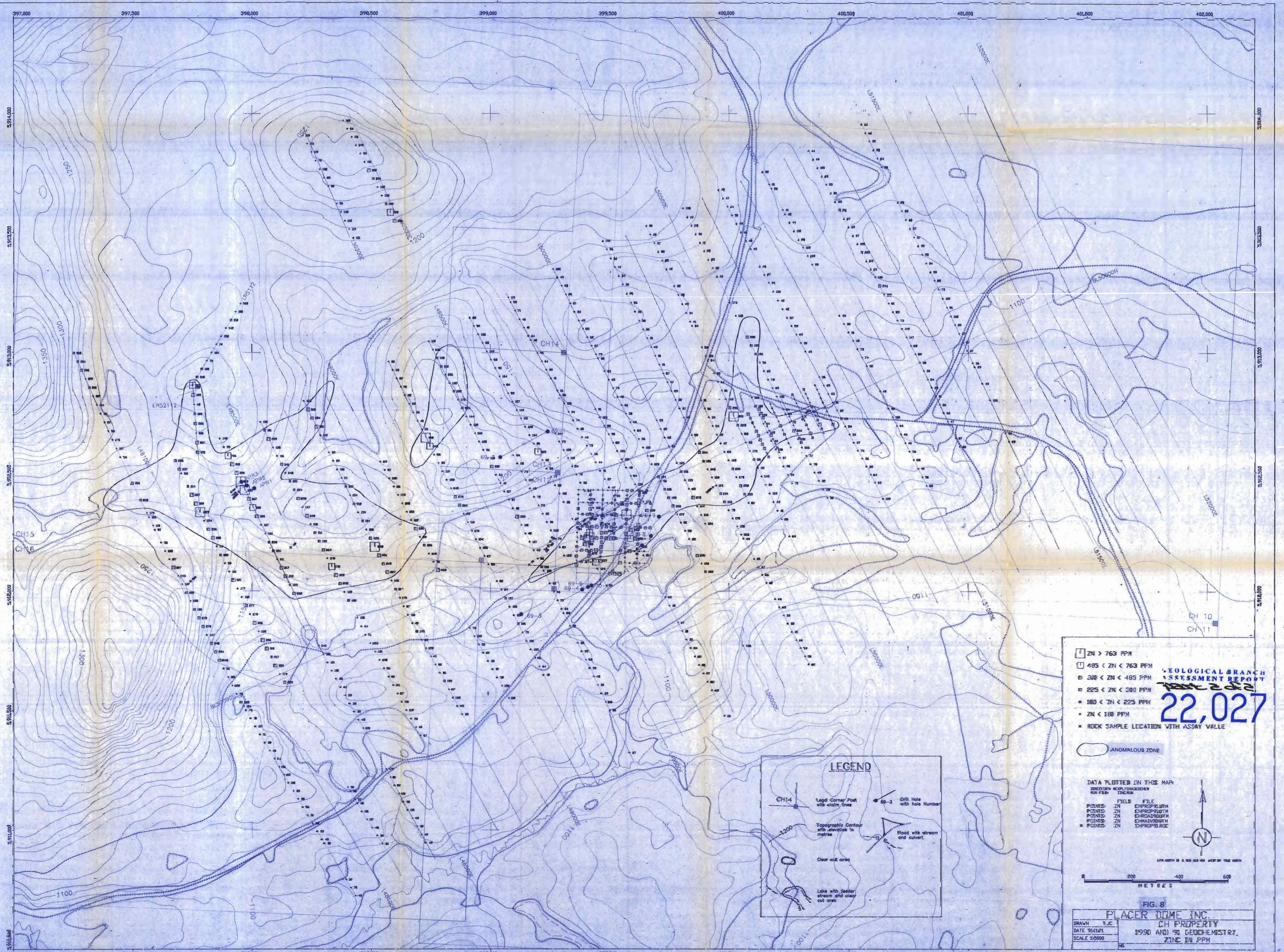


FIG. 7

PLACER DOME INC.  
 CH PROPERTY  
 1990 AND 91 GEOCHEMISTRY  
 LEAD IN PPM  
 DRAWN: TJC  
 DATE: 9/11/91  
 SCALE: 1:5000



- GEOLOGICAL BRANCH  
ASSESSMENT REPORT**
- 22,027**
- ZN > 763 PPM
  - 485 < ZN < 763 PPM
  - 300 < ZN < 485 PPM
  - 225 < ZN < 300 PPM
  - 180 < ZN < 225 PPM
  - ZN < 180 PPM
  - \* ROCK SAMPLE LOCATION WITH ASSAY VALUE

○ ANOMALOUS ZONE

DATA PLOTTED IN THIS MAP

SYMBOL	FIELD	FILE
□	ZN	CHPROP99BHM
□	ZN	CHPROP99BHM
□	ZN	CHROAD99BHM
□	ZN	CHMANS99BHM
□	ZN	CHPROP99BHM

Legend symbols include: Legd Corner/Post with claim lines, Topographic Contour with elevation in metres, Clear cut area, Lake with feeder stream and clear cut area, Drill Hole with hole Number, and Road with stream and culvert.

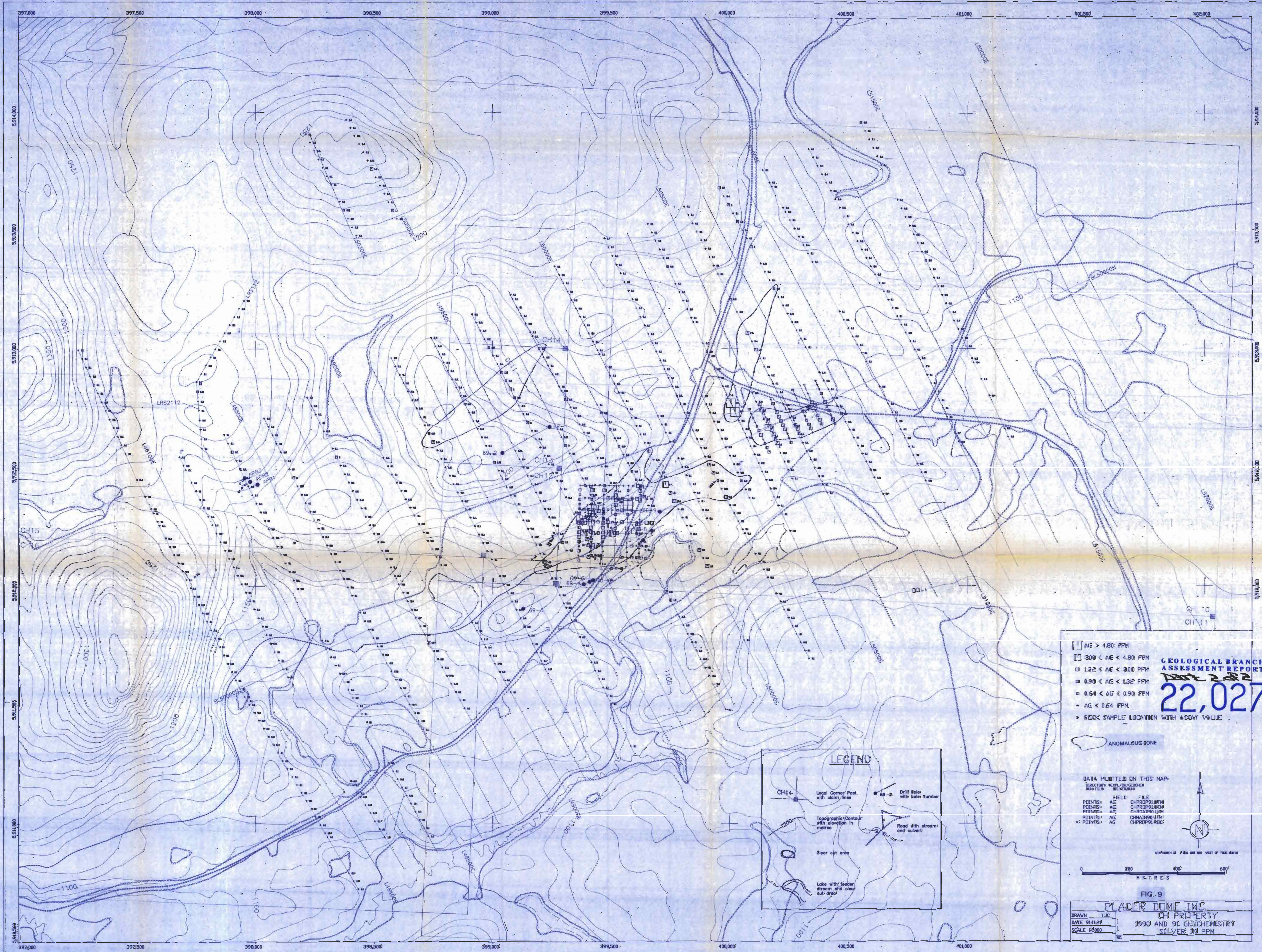
UPM NORTH IS 1.163 DEGREES WEST OF TRUE NORTH

0 200 400 600 METRES

**FIG. 8**

**PLACER DOME INC.**  
CH PROPERTY  
1990 AND '91 GEOCHEMISTRY.  
ZINC IN PPM

DRAWN TJC  
DATE 9/11/91  
SCALE 1:5000



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**22,027**

- AG > 4.80 PPM
- 3.00 < AG < 4.80 PPM
- 1.32 < AG < 3.00 PPM
- 0.90 < AG < 1.32 PPM
- 0.64 < AG < 0.90 PPM
- AG < 0.64 PPM
- × ROCK SAMPLE LOCATION WITH ASSAY VALUE

**LEGEND**

- CH14 Legal Corner Post with claim lines
- Topographic Contour with elevation in metres
- clear cut area
- Lake with feeder stream and clear cut drain
- Drill Hole with hole number
- Road with stream and culvert

**DATA PLOTTED ON THIS MAP:**  
 DIRECTORY: BCP/PL/GEODATA  
 RUN: 13.0

POINTS	FIELD	FILE
POINTS	AG	CHPROP1.WFM
POINTS	AG	CHPROP2.WFM
POINTS	AG	CHPROP3.WFM
POINTS	AG	CHPROP4.WFM
POINTS	AG	CHPROP5.WFM
POINTS	AG	CHPROP6.WFM
POINTS	AG	CHPROP7.WFM
POINTS	AG	CHPROP8.WFM
POINTS	AG	CHPROP9.WFM
POINTS	AG	CHPROP10.WFM
POINTS	AG	CHPROP11.WFM
POINTS	AG	CHPROP12.WFM
POINTS	AG	CHPROP13.WFM
POINTS	AG	CHPROP14.WFM
POINTS	AG	CHPROP15.WFM
POINTS	AG	CHPROP16.WFM
POINTS	AG	CHPROP17.WFM
POINTS	AG	CHPROP18.WFM
POINTS	AG	CHPROP19.WFM
POINTS	AG	CHPROP20.WFM
POINTS	AG	CHPROP21.WFM
POINTS	AG	CHPROP22.WFM
POINTS	AG	CHPROP23.WFM
POINTS	AG	CHPROP24.WFM
POINTS	AG	CHPROP25.WFM
POINTS	AG	CHPROP26.WFM
POINTS	AG	CHPROP27.WFM
POINTS	AG	CHPROP28.WFM
POINTS	AG	CHPROP29.WFM
POINTS	AG	CHPROP30.WFM
POINTS	AG	CHPROP31.WFM
POINTS	AG	CHPROP32.WFM
POINTS	AG	CHPROP33.WFM
POINTS	AG	CHPROP34.WFM
POINTS	AG	CHPROP35.WFM
POINTS	AG	CHPROP36.WFM
POINTS	AG	CHPROP37.WFM
POINTS	AG	CHPROP38.WFM
POINTS	AG	CHPROP39.WFM
POINTS	AG	CHPROP40.WFM
POINTS	AG	CHPROP41.WFM
POINTS	AG	CHPROP42.WFM
POINTS	AG	CHPROP43.WFM
POINTS	AG	CHPROP44.WFM
POINTS	AG	CHPROP45.WFM
POINTS	AG	CHPROP46.WFM
POINTS	AG	CHPROP47.WFM
POINTS	AG	CHPROP48.WFM
POINTS	AG	CHPROP49.WFM
POINTS	AG	CHPROP50.WFM

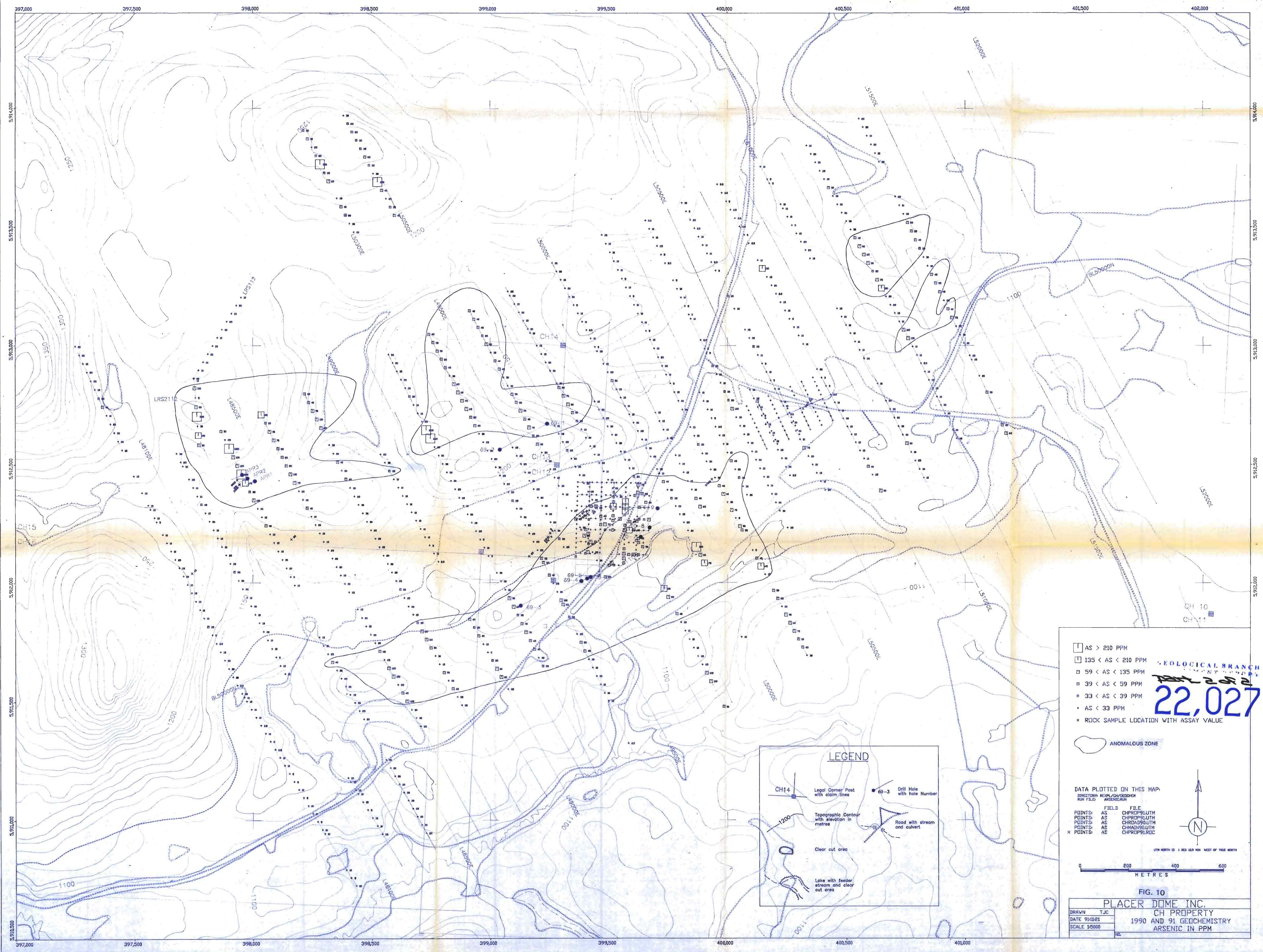
1:62,500  
 0 200 400 600 METRES

North arrow pointing up.

**FIG. 9**

**PLACER DOME INC.**  
 CH PROPERTY  
 1990 AND 91 GEOCHEMISTRY  
 SILVER: 22,027 PPM

DRAWN: JLC  
 DATE: 9/11/91  
 SCALE: 1:50,000



- AS > 210 PPM
- 135 < AS < 210 PPM
- 59 < AS < 135 PPM
- 39 < AS < 59 PPM
- 33 < AS < 39 PPM
- AS < 33 PPM
- × ROCK SAMPLE LOCATION WITH ASSAY VALUE

ANOMALOUS ZONE

DATA PLOTTED ON THIS MAP:  
 DIRECTORY: HXPL/CH/GEOCHEM  
 RUN FILE: ARSENICAH

POINTS	FIELD	FILE
POINTS	AS	CHPROP91UTM
POINTS	AS	CHPROP90UTM
POINTS	AS	CHPROP90UTM
POINTS	AS	CHPROP91UTM
POINTS	AS	CHPROP91UTM



FIG. 10  
**PLACER DOME INC.**  
 CH PROPERTY  
 1990 AND 91 GEOCHEMISTRY  
 ARSENIC IN PPM

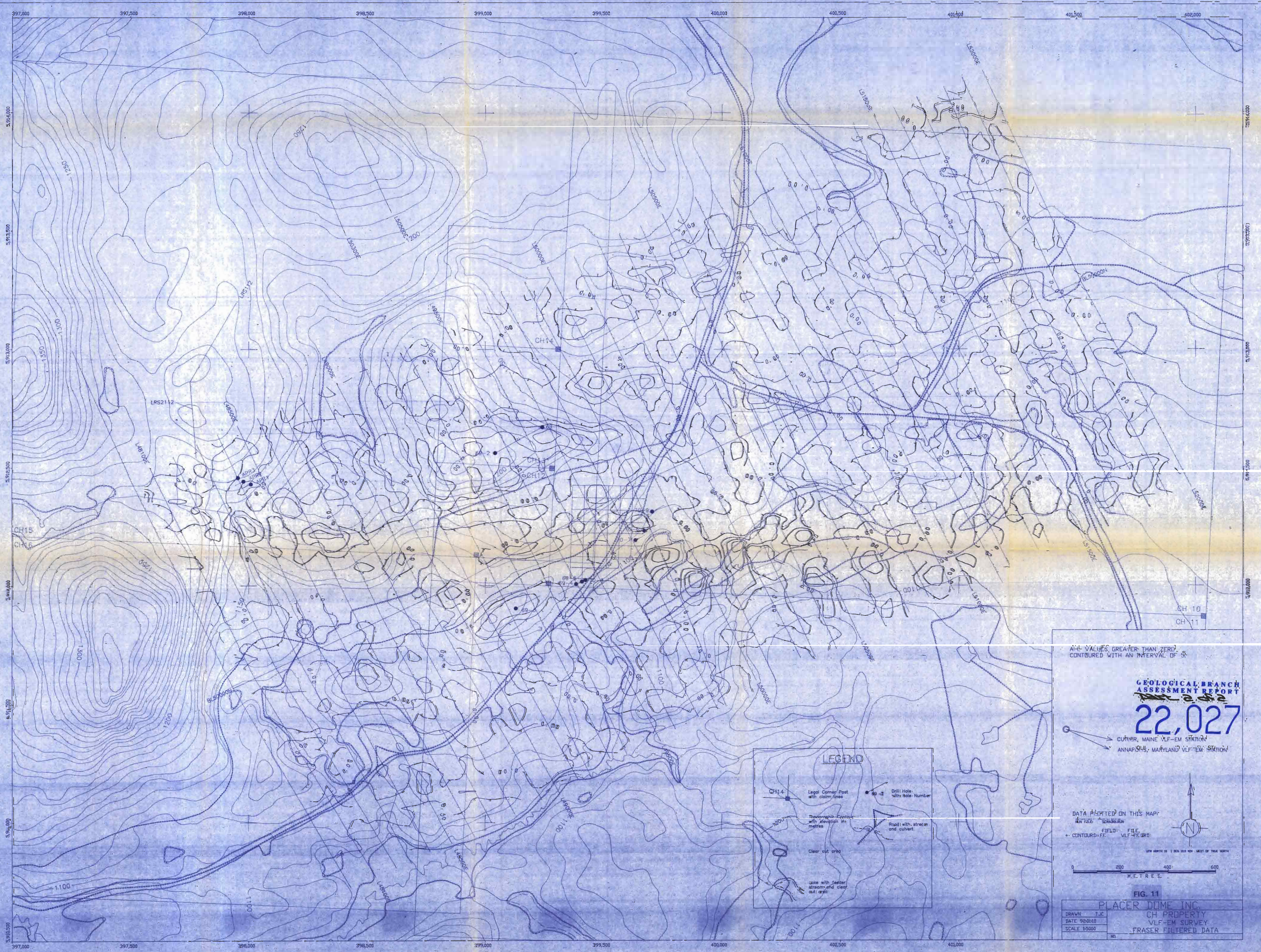
DRAWN	TJC
DATE	9/11/91
SCALE	1:5000

22,027

**LEGEND**

- CH14 Legal Corner Post with claim lines
- Topographic Contour with elevation in metres
- Clear cut area
- Lake with feeder stream and clear cut area
- 69-3 Drill Hole with hole Number
- Road with stream and culvert





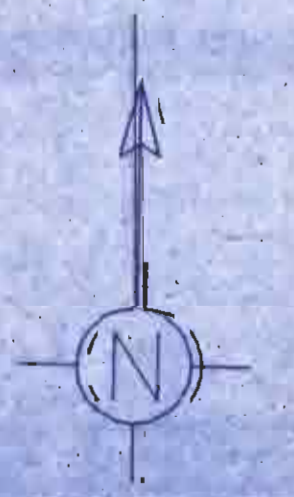
ALL VALUES GREATER THAN ZERO,  
CONTOURED WITH AN INTERVAL OF 5.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**22,027**

CUTLER, MAINE VLF-EM STATION  
ANNAPOLIS, MARYLAND VLF-EM STATION

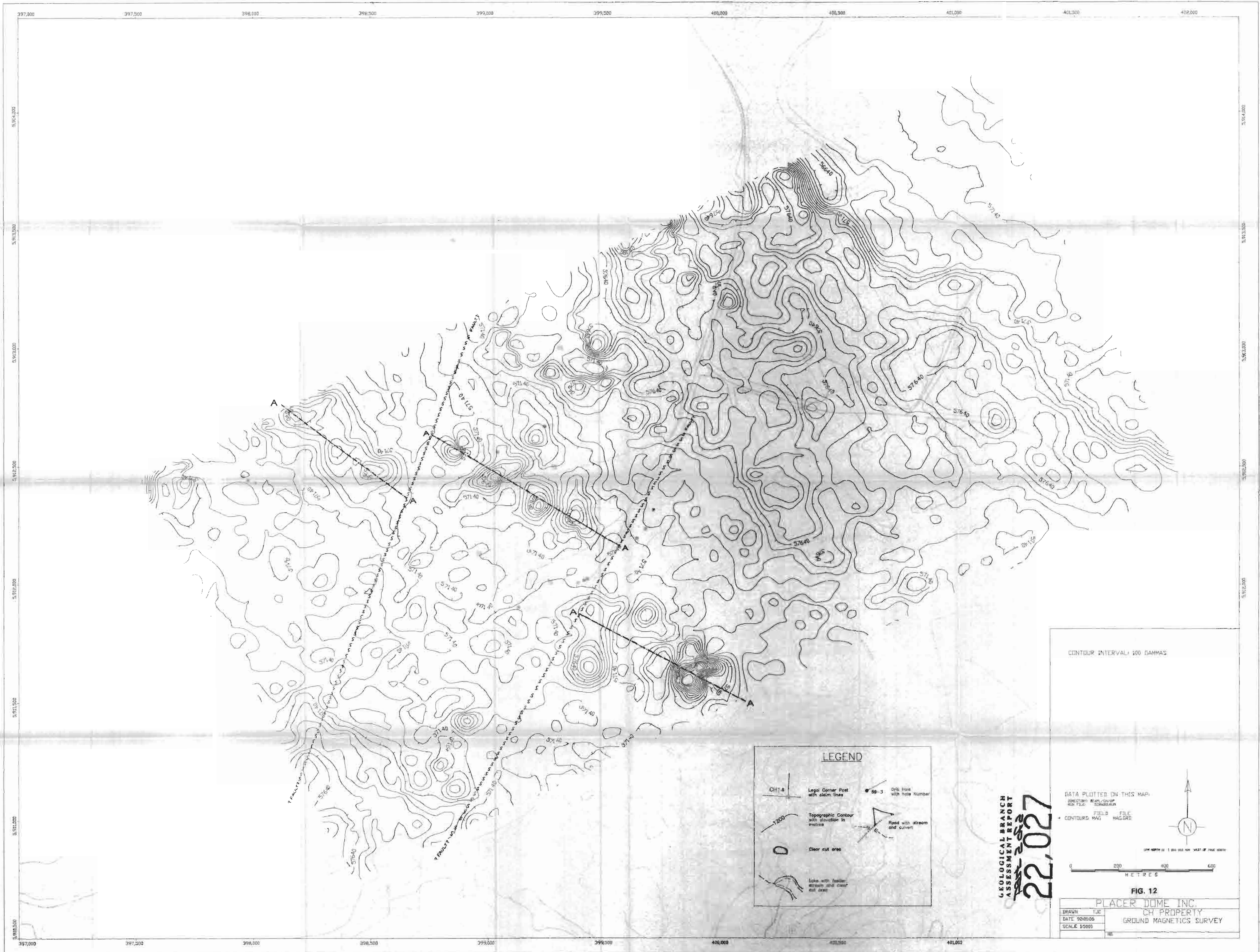
DATA PLOTTED ON THIS MAP:  
 NEW FILE SCANS  
 FIELD FILE VLF-EM  
 + CONTOURS OFF



**LEGEND**

- CH14 Legal Corner Post with claim lines
- CH15 Topographic Contour with elevation in metres
- CH16 Clear cut area
- CH10 Lake with feeder stream and clear cut area
- CH11 Drill Hole with Hole Number
- CH12 Road with stream and culvert

**FIG. 11**  
**PLACER DOME INC.**  
 CH PROPERTY  
 VLF-EM SURVEY  
 FRASER FILTERED DATA



CONTOUR INTERVAL: 100 GAMMAS

**LEGEND**

	Legal Corner Post with claim lines		09-3 Ore Hole with hole number
	Topographic Contour with elevation in metres		Road with stream and culvert
	Clear cut area		Lake with feeder stream and clear cut area

DATA PLOTTED ON THIS MAP:  
 PROJECT: MAPLE CREEK  
 JOB FILE: 030408000

FIELD FILE: MAG  
 FILE: MAG GRID

CONTOURS: MAG

UPM NORTH IS 1.000 HIGHER WEST OF TRUE NORTH

0 200 400 600 METRES

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT  
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**FIG. 12**

PLACER DOME INC.  
 CH PROPERTY  
 GROUND MAGNETICS SURVEY

DRAWN: TJC	FILE:
DATE: 980106	
SCALE: 1:5000	