NORCAL

GEOPHYSICAL INVESTIGATION
LABORATORY FOR ENERGY-RELATED HEALTH RESEARCH (LEHR)
UNIVERSITY OF CALIFORNIA
DAVIS, CA

A report prepared for

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1.0 INTRODUCTION

This report presents the findings of a geophysical investigation performed by NORCAL Geophysical Consultants, Inc. at the Laboratory for Energy-Related Health Research (LEHR) at the University of California (UC) Davis. The field survey was conducted on November 7 through November 18, 1994 by Donald J. Kirker, Geophysicist and Ted Heinse, Geophysical Technician. Both were under the supervision of William E. Black, NORCAL Project Manager. The QA/QC manager for this investigation was Kenneth Blom, Geophysicist. Logistical support was provided by Mark Eisen and Dave Zuber of Dames & Moore. The investigation was conducted under Dames & Moore Job No. 10805-720-044. All geophysical work performed at LEHR was governed by the NORCAL Standard Operating Procedures (SOP), included in Appendix A, and the Dames & Moore Quality Assurance Program Plan (QAPP) prepared for Battelle Pacific Northwest Laboratories.

1.1 Site Description

The geophysical investigation was conducted on two sites at LEHR. These are designated as Operable Unit One (OU-1) and Operable Unit Five (OU-5). Each of these sites have specific survey areas or units all of which are described in the following paragraphs. The distribution of these sites and survey areas are shown on the Site Location Map, Plate 1.

1.11 OU-1

OU-1 is separated into three areas, as indicated in the Dames & Moore RI/FS Work Plan. These are referred to as the Southwest Disposal Area, the DOE Disposal Box Area, and the UC Davis Disposal Trench Area, as shown on Plate 1.

1.111 Southwest Disposal Area

The Southwest Disposal Area occupies an area of approximately 120 by 160 feet in the southwest corner of the LEHR facility. This portion is bound by Buildings H-215 and 216 to the north (not shown on Plate 1), dog pens to the east, and chain link fences to the south and west. The northern portion is covered with asphalt and is used as a parking lot. The remaining area is gravel covered and represents a storage area. Several surface depressions are evident on this site.

1.112 DOE Disposal Box Area

The DOE Disposal Box Area measures approximately 40 by 200 feet. This parcel trends north-south and is located between two sets of dog pens. It has been reported that a steel dumpster-like container was buried in this area.

1.113 UC Davis Disposal Trench Area

The UC Davis Disposal Trench Area is located along the southern and eastern portion of LEHR as shown on Plate 1. The east-west trending portion of the site measures approximately 30 feet wide by 540 feet long and terminates at the west border of one of the three sites included in OU-5 (Landfill Disposal Unit #1). It is

bordered by a chain link fence to the south and two sets of dog pens to the north. The north-south trending portion measures approximately 30 feet wide by 440 long. It trends adjacent to the chain link fence that represents the west boundary of OU-5 Landfill Disposal Unit #1. This site is characterized by a level surface covered by gravel and low grass.

Information, provided by Dames & Moore, indicates that waste was disposed in 17 trenches and 49 pits. The trenches are reported to be approximately two feet wide and from 33 to 270 feet long. The disposal pits were typically 4 by 4 feet.

1.12 OU-5

The area of investigation at OU-5 (UC Davis Landfill Disposal Units) represents three separate sites. They are referred to as Landfill Units #1, #2, and #3. Plan view diagrams of each of these landfill units are shown on Plates 2, 3, and 4..

1.121 Landfill Disposal Unit #1

The area of investigation at the Landfill Disposal Unit #1 measures approximately 335 by 360 feet. It is referred to as the Cobalt-60 Field in the Dames & Moore RI/FS Work Plan. The site is bound by a chain link fence on all sides as shown on Plate 2. It is bordered on the west by the UC Davis Disposal Trench Area (OU-1). Building H-229 is located in the northwest corner of the site. An asphalt/reinforced concrete pad of approximately 30,000 square feet is located adjacent to this building. The pad occupies approximately a quarter of the survey

area. Pallets of 55 gallon drums are located on the southeast portion of this pad. The remaining area is characterized by a soil field with low grasses.

1.122 Landfill Disposal Unit #2

The area of investigation at Landfill Disposal Unit #2 measures approximately 250 by 400 feet. A dog pen area covers the southern portion of this site. The pen area is approximately 200 by 170 feet and surrounded by chain-link fence. The ground surface of these pens consists of buried wire mesh covered with gravel. The northern portion of the site includes Buildings H-292 and H-293, a metal storage bin, and a small dog pen. The remaining area consists of open field and asphalt roads. Information, provided by Dames & Moore, indicates that Landfill Unit #2 consists of 12 east-west trending disposal pits.

1.123 Landfill Disposal Unit #3

Landfill Disposal Unit #3 is located east of the LEHR Site on UC Davis property. It measures approximately 250 by 260 feet and is bound by a chain link fence along the southern and eastern borders. An asphalt road, four buildings, and a storage shed occupy the northwest portion of the site. An east-west trending drainage ditch (wash), approximately 4 feet deep, is located 87 feet north of the southern boundary chain link fence. A chain-link fence bird cage is in the southeast corner. The remaining area is characterized by gravel lots and open fields with low grass. It is reported that waste was disposed of in two large pits and covered with soil during

a 4 year period.

1.2 Purpose

Sites OU-1 and OU-5 represent areas used for the disposal of various waste materials during the 1940's to the 1970's. These waste materials were disposed of in trenches and pits, however, the exact locations are not known. Therefore, the purpose of this geophysical investigation is to obtain subsurface information that will aid in locating the burial areas. This information will be used to help in planning subsequent investigations.

2.0 METHODOLOGY

For this investigation, we used the magnetic, electromagnetic, and ground penetrating radar methods. Magnetometer (MAG) surveys provide both total field magnetic (TFM) and vertical magnetic gradient (VMG) information. TFM surveys are used to determine the presence of buried ferrous objects and to define the general limits of fill containing metallic debris. VMG surveys are commonly used to provide further definition of closely spaced buried metal objects.

Electromagnetic (EM) surveys are used to determine shallow conductivity variations that may be due to buried foreign debris, chemical differences, etc. This is done by obtaining both terrain conductivity (TC) and in-phase (IP) information. TC surveys determine the electrical conductivity of the subsurface materials to a depth of approximately 15 feet. IP surveys also measure the electrical conductivity of the subsurface, however, it is especially sensitive to both ferrous and non-ferrous debris.

The ground penetrating radar is used to map shallow subsurface structures and features. It is also used to obtain subsurface data in those areas where magnetic and electromagnetic data can not be collected due to interferences from above ground metal sources.

A detailed description of these methods is provided in Appendix B.

3.0 EQUIPMENT FUNCTIONAL CHECKS

We performed both internal and external system function tests prior to the use of the equipment each day as defined in the QAPP and SOP. We initiated the internal functional checks in the magnetometer, electromagnetic conductivity meter, and ground penetrating radar to verify that they are operating properly. Following the internal test procedures, we conducted external tests by taking measurements under controlled conditions at a predetermined test site. We reviewed the data and compared them with previous test results to check equipment accuracy and repeatability. Proper functioning of the equipment was verified by determining that the trends observed in the data were repeatable. The results of these tests indicated that our equipment was functioning properly and accurately throughout the duration of the survey. A detailed description of the equipment function checks is included in the NORCAL Standard Operating Procedures, Appendix A. The daily raw MAG and EM data collected at the test site are provided in Appendix C.

4.0 DATA ACQUISITION

4.1 OU-1

OU-1 includes three survey areas referred to as the Southwest Disposal Area, DOE Disposal Box Area, and the UC Davis Disposal Trench Area (See Section 1.11). Within these areas GPR data were obtained along traverses spaced 5 feet apart oriented both north-south and east-west. The OU-1 index map, Plate 5 shows the limits of this survey coverage as well as the boundaries of the respective maps presenting the results.

MAG and EM surveys were also conducted within this site, however the survey coverage was limited to areas where metal objects such as fences, buildings, etc. did not interfere with the data quality. The limits of the MAG and EM survey coverage are shown on Plates 6 and 9. Within these areas measurements were taken on a 5 foot grid corresponding to the GPR traverses.

4.2 OU-5

4.21 Landfill Disposal Unit #1

At the Landfill Disposal Unit #1 we collected MAG and EM data at 10 foot intervals along north-south trending traverses spaced 10 feet apart. Some of the 55 gallon drums stored in this area could not be moved because of their contents. Therefore, we obtained GPR data around the drum storage area, where interferences

precluded MAG and EM coverage. In addition, we obtained GPR profiles near Building H-229 and on the asphalt/reinforced concrete surface. Typically the GPR traverses ranged in length from 18 to 200 feet long. The limits of the MAG, EM, and GPR surveys are shown on Plate 2.

4.22 Landfill Disposal Unit #2

At the Landfill Disposal Unit #2 we collected MAG and EM data between the dog pens and Buildings H-292 and H-293. This data was collected at 10 foot intervals along north-south trending traverses spaced 10 feet apart. MAG and EM data could not be collected in close proximity to the metal dog pens. Therefore, we obtained GPR data around the perimeter of the pens. In addition, we obtained GPR profiles near Buildings H-292 and H-293. The GPR traverses ranged in length from 40 to 200 feet long. The limits of the MAG, EM, and GPR surveys are illustrated on Plate 3.

4.23 Landfill Disposal Unit #3

We collected MAG and EM data at 10 foot intervals north of the surface drain (wash). The north-south trending traverses were spaced 10 feet apart. In addition, we obtained north-south trending GPR profiles spaced 10 feet apart next to the buildings located in the northwest corner of the site. The limits of the MAG, EM, and GPR surveys are illustrated on Plate 4.

5.0 DATA ANALYSIS

Preliminary data analysis was performed in the field to monitor data quality and field survey parameters. Final analysis and data presentation were completed in our Petaluma, California office.

5.1 Computer Data Processing

We down-loaded the MAG and EM data to a micro-computer. We then generated a uniform grid and contoured the data sets using the software package SURFER by Golden Software. This resulted in vertical magnetic gradient, total field, terrain conductivity, and in-phase contour maps. The raw magnetic and electromagnetic data are provided in Appendices D and E respectively.

5.2 Contour Map Interpretation

Generally, terrain conductivity and magnetic values vary smoothly throughout a given region. Areas where variations are strong are defined by closely spaced contours and are typically considered anomalous. If the source of a particular anomaly is an isolated object or a group of closely spaced objects, the contours may form circular or elliptical closures. A large accumulation of buried objects may appear as a group of closely spaced anomalies or one large anomaly.

Actual anomaly magnitude and shape are dependent on the relative position and size of the buried objects with respect to the observed data points. In general

anomaly magnitude will decrease and anomaly width will increase as depth to the source increases.

5.3 Ground Penetrating Radar Profiles

For data analysis, we examined the GPR records for reflection patterns characteristic of buried debris and/or the possible limits of burial sites. These patterns include discontinuous (truncated) reflections, small localized hyperbolic reflections, and continuous (uniform) reflections. Discontinuous reflection patterns typically indicate disturbed subsurface conditions or a change in fill material. These disturbed conditions are often associated with former excavations or trenching. Localized hyperbolic reflections typically indicate discrete or isolated buried objects. Continuous (uniform) patterns typically indicate undisturbed or homogeneous subsurface materials.

We determined that the depth of detection of the GPR is approximately 2 to 5 feet throughout the LEHR facility.

6.0 RESULTS

The results of the geophysical investigation for the Laboratory for Energy-Related Health Research are presented on Plates 6 through 22. The specific results at each site are described in the following paragraphs.

6.1 OU-1

6.11 Southwest Disposal Area

The results of the GPR survey are shown on the Site Location Map, Plate 6. The GPR data resolved numerous reflection patterns that we interpret as representing buried debris, backfill material, and former trenching. Several strong truncated reflection patterns are evident on the profiles. We interpret these patterns as representing zones of dense accumulations of buried debris. These zones are referred to as "Distinct GPR Fill Reflection Patterns" on Plate 6. The depth to this possible debris is estimated at approximately 1.0 to 2.0 feet. The locations of the interpreted trenches correspond with the surface depressions mentioned above. Numerous less-distinct reflection patterns, also truncated, are resolved on the profiles. We believe that these patterns may represent former trenching because they also correspond to surface depressions. These patterns are referred to as "Subtle GPR Fill Reflection Patterns" on Plate 6.

The results of the MAG survey are presented on the VMG and TFM Contour

Maps, Plate 7. The magnetic contour maps represents the variations in the VMG and TFM throughout the site. The closely spaced contours along the north and east boundaries represent effects caused by the chain link fence, building and dog pens. The circular contours located at 80E 20N represent effects caused by the metal casings of three monitoring wells. Additional anomalies that may represent buried metallic debris are not apparent on these maps. Therefore, we do not believe that significant metal (ferrous) objects are buried within the limits of this survey.

The results of the EM survey are presented on the TC and IP Contour Maps, Plate 8. These contour maps represent the variations in the subsurface electrical properties throughout the site. These maps indicate a steep gradient around the perimeter of the site. We believe that this gradient represents the effects from the chain link fence and dog pens. Additional anomalies are not apparent on this map. Since the interpreted trenches were not detected by the EM method, we believe that the interferences caused by the surrounding chain link fences masked the subtle conductivity changes these trenches may exhibit.

6.12 DOE Disposal Box Area

The results of the GPR survey are shown on Plate 9. The data resolves reflection patterns that we interpret as representing buried debris, backfilled material and former trenching. As previously described, these reflection patterns have been characterized as "Subtle GPR Fill Reflection Patterns" and "Distinct GPR Fill Reflection

Patterns". Zones of the "subtle reflection patterns" are evident in the area where the DOE box is believed to be buried, as well as adjacent to the west dog pens. The reflection patterns apparent in the data are typical of disturbed soils and differential fill. There are not any reflection patterns indicative of a buried box or similar structures. Therefore, if the box exists it is buried deeper than the detection limits of the GPR. The patterns apparent in the data obtained adjacent to the west dog pens may represent portions of north-south trending trenches.

Two large zones of "distinct reflection patterns" are evident in the data obtained adjacent to the east dog pens. These zones may represent two trenches that extend beneath the dog pens. Subsidence of some of the dog pens in this area may also provide additional evidence for possible debris trenches.

The results of the MAG survey are presented on the VMG and TFM Contour Maps, Plate 10. The closely spaced contours shown on both maps along the borders represent effects caused by the dog pens. However, there is a relatively high magnitude anomaly near the northwest corner of the survey area (355E 160N). We believe that this anomaly may represent significant buried metal debris such as the possible DOE Box. Additional significant anomalies are not apparent on these map.

The results of the EM survey are presented on the TC and IP Contour Maps, Plate 11. These maps indicate similar anomalous features in the northwest portion (suspect box area) as do the MAG maps. A noticeable TC anomaly extends along the

eastern portion and corresponds to the possible trenches as defined by the GPR data. It is uncertain whether this anomaly could also be due to interference from the nearby metal fence. However fences did not affect the data in the same way elsewhere. There are not any additional anomalies that may represent buried debris.

6.13 UC Davis Disposal Trench Area

The results of the GPR survey are shown on the Anomaly Maps, Plates 6, 9, 12, 13, and 14. These results are similar to the Southwest Disposal Area. The GPR data resolved reflection patterns that are indicative of buried debris and backfill material. These patterns are characterized as "Distinct GPR Fill Reflection Patterns" and "Subtle GPR Fill Reflection Patterns" and represent interpreted burial sites. Most of the reflection patterns exhibit linear zones characteristic of former trenches. However, as shown on Plate 12 several small localized zones were resolved in the data obtained in the southeast corner of the site that may indicate isolated burial pits. As previously indicated, the MAG and EM methods could not be used in this area because of interferences caused by the metal chain link fence and dog pens.

6.2 OU-5

6.21 Landfill Disposal Unit #1

The results of the MAG survey are presented on the VMG and TFM Contour Maps, and the Anomaly Map, Plates 15, 16, and 19 respectively. The blank portion located in the northwest corner represents the location of the stored metal drums.

Both maps indicate magnetic variations around this area. These gradients are probably due to the above-ground drums. The MAG maps also indicate steep gradients along the west and south borders. These gradients are caused by obtaining data in close proximity to the metal chain link fence. Additional anomalies that are not associated with above ground sources are evident in the southeast corner. They exhibit relatively high intensities and indicate several north-south trending zones. These zones are located along lines 140E, 190E, 260E, and from 300E to the east beyond the boundary of the survey area.

The results of the EM survey are presented on the TC and IP Contour Maps, and the Anomaly Map, Plates 17 through 19 respectively. Both maps also indicate strong gradients around the concrete pads. These gradients are typical where the concrete contains wire reinforcement. The TC and IP map also exhibit subtle variations of the terrain conductivity in the southeast portion of the site. These variations exhibit linear trends, as did the MAG data. There are not any additional anomalies that may represent buried nonmetallic debris.

We obtained GPR profiles adjacent to the storage drums, building, and reinforced concrete slabs, as shown on Plate 2. The resulting GPR data did not resolve reflection patterns typical of disturbed soils or buried debris. However, the data do resolve reflections characteristic of shallow fill horizons beneath the asphalt surface. In addition to these near surface reflections, the data also resolved deeper

reflecting horizons characteristic of uniform subsurface conditions.

6.22 Landfill Disposal Unit #2

The results of the MAG survey are presented on the VMG and TFM Contour Maps, and the Anomaly Map, Plates 20 and 22, respectively. Two noticeable east-west trending bipolar anomalous zones are located in the center of the survey area. These bipolar zones are typical of significant debris in a localized area. The shape of the anomalies suggest the locations of at least two trenches approximately 150 feet long. The gradients in the northern portion are probably caused by the buildings and a storage bin.

The results of the EM survey are presented on the TC and IP Contour Maps, and the Anomaly Map, Plates 21 and 22, respectively. The TC map shows three anomalous areas located at 480E 220N, 480E 280N, and 570E 310N. The two areas located in the center of the site generally correspond to the linear anomalies shown on the MAG maps. The high magnitude anomaly located at 570E 310N is typical of shallow buried debris. The IP contour map shows subtle anomalies that exhibit the same linear trends as the MAG maps. Because of their small magnitudes, the debris may be buried at the detection limits of the IP survey. There are no additional anomalies that may represent buried nonmetallic debris in this survey area.

GPR profiles were obtained adjacent to Buildings H-292 and H-293, and the dog pens. The resulting GPR data resolved reflection patterns typical of disturbed

soils or buried debris. The locations of the interpreted trenches detected between the buildings are shown on Plate 22. The results of the data obtained adjacent to the dog pens have been previously discussed with the Site OU-1 results and are shown on Plates 9 and 12.

6.23 Landfill Disposal Unit #3

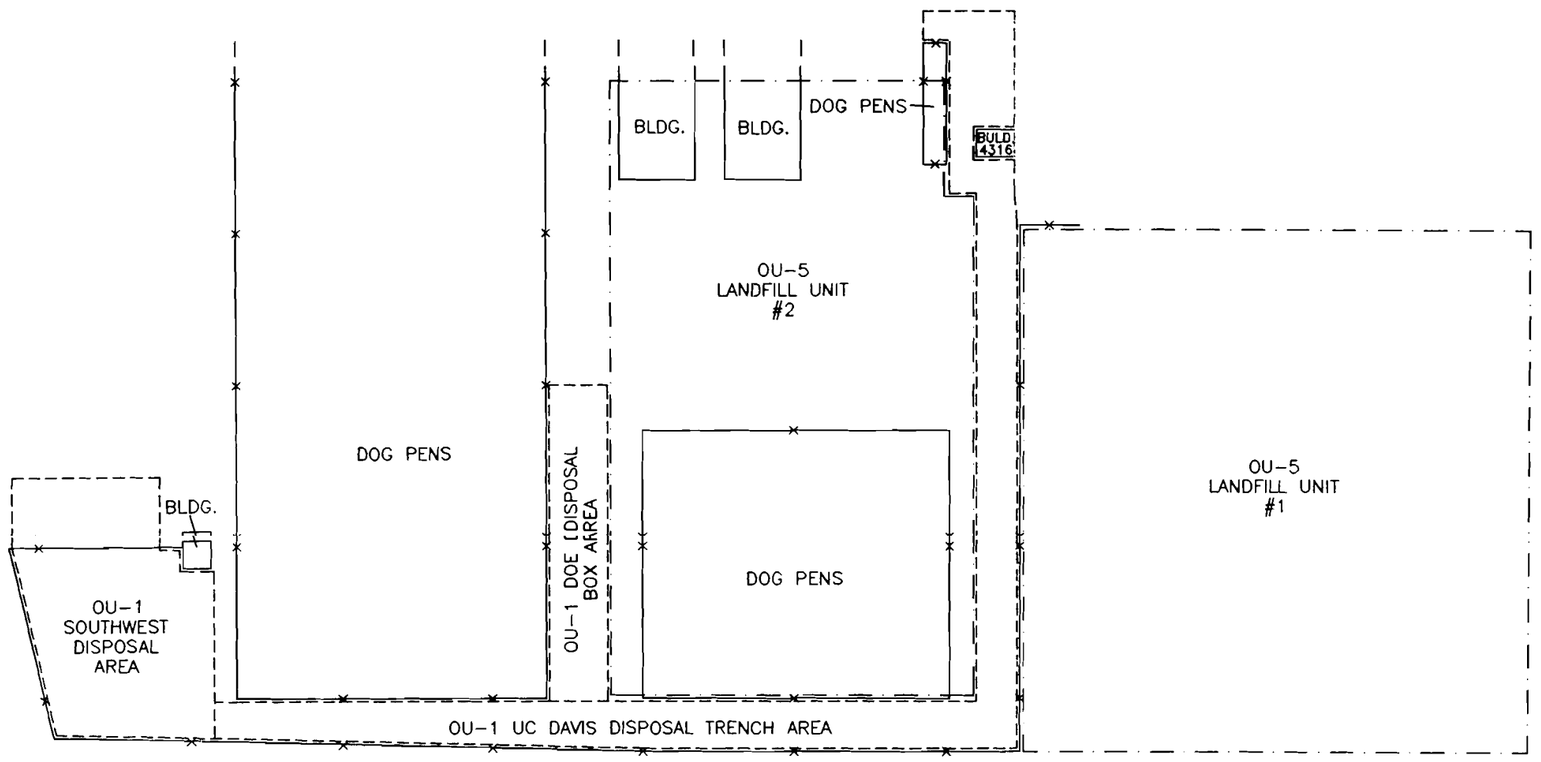
The results of the MAG survey are presented on the VMG and TFM Contour Maps, and the Anomaly Map, Plates 23 and 25, respectively. The blank rectangle areas on these maps represent the locations of the buildings on site. Both contour maps indicate steep gradients associated with the locations of the buildings. Additional anomalies that are not associated with above ground features are evident in the east portion of the survey area. The large magnitude anomaly in the northeast corner of the site extends from 170N to 250N and 170E to the eastern limit of the survey area. Its broad shape suggests a large area of possible metal debris. The southeast corner of the site exhibits an area of decreasing magnetic values. This may represent effects caused by a source that is located south and/or east of the survey area.

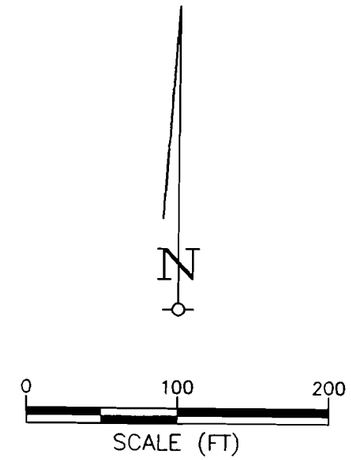
The results of the EM survey are presented on the TC and IP Contour Maps, and the Anomaly Map, Plate 24 and 25, respectively. These maps indicate similar features as those on the MAG maps. The TC map shows a conductivity high in the northeast corner of the survey area. This high corresponds with the MAG anomaly

previously described and is confined to the same lateral extent. The high conductivity values along the eastern boundary are due to the metal fence. The IP contour map shows slight variations in these areas. This suggests that buried metal objects may be buried deeper than the IP detection limits.

GPR profiles were obtained adjacent to the buildings. The resulting data did not resolve reflection patterns typical of disturbed soils or buried debris. However, the data did resolve isolated hyperbolic reflections. We believe that these isolated reflection patterns are produced by existing utility alignments.

7.0 ILLUSTRATIONS





OU-5
LANDFILL UNIT
#3
LOCATED
OFF-SITE

LEGEND

- OU-1 SITE BOUNDARY
- OU-5 SITE BOUNDARY
- CHAIN LINK FENCE

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SITE LOCATION MAP

GEOPHYSICAL INVESTIGATION
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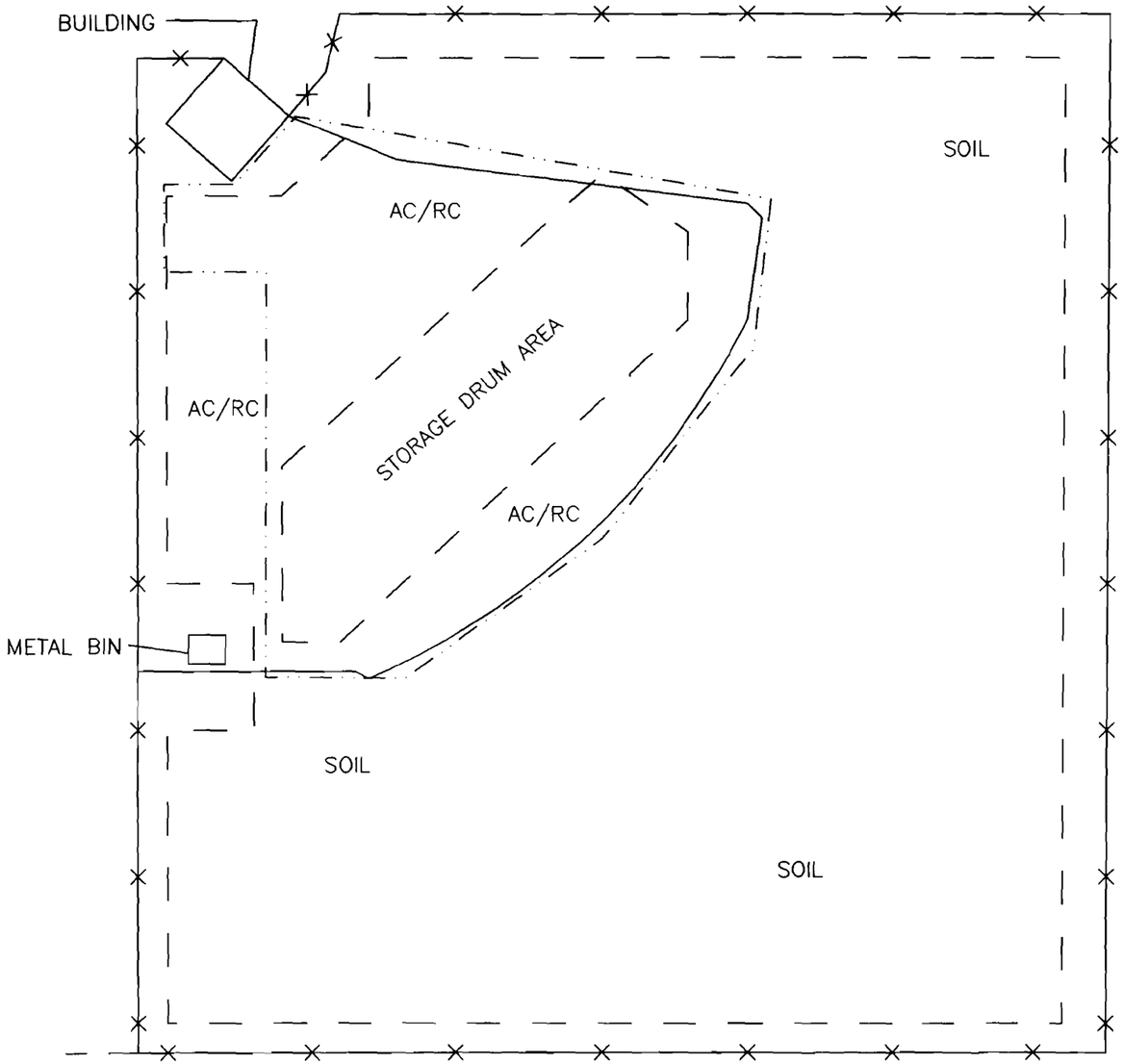
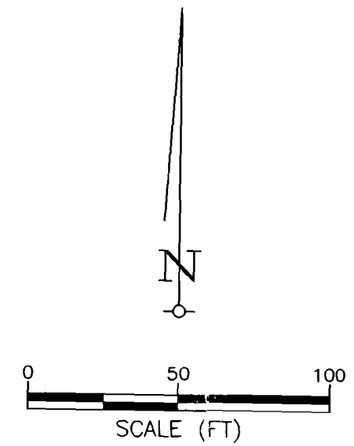
PLATE 1

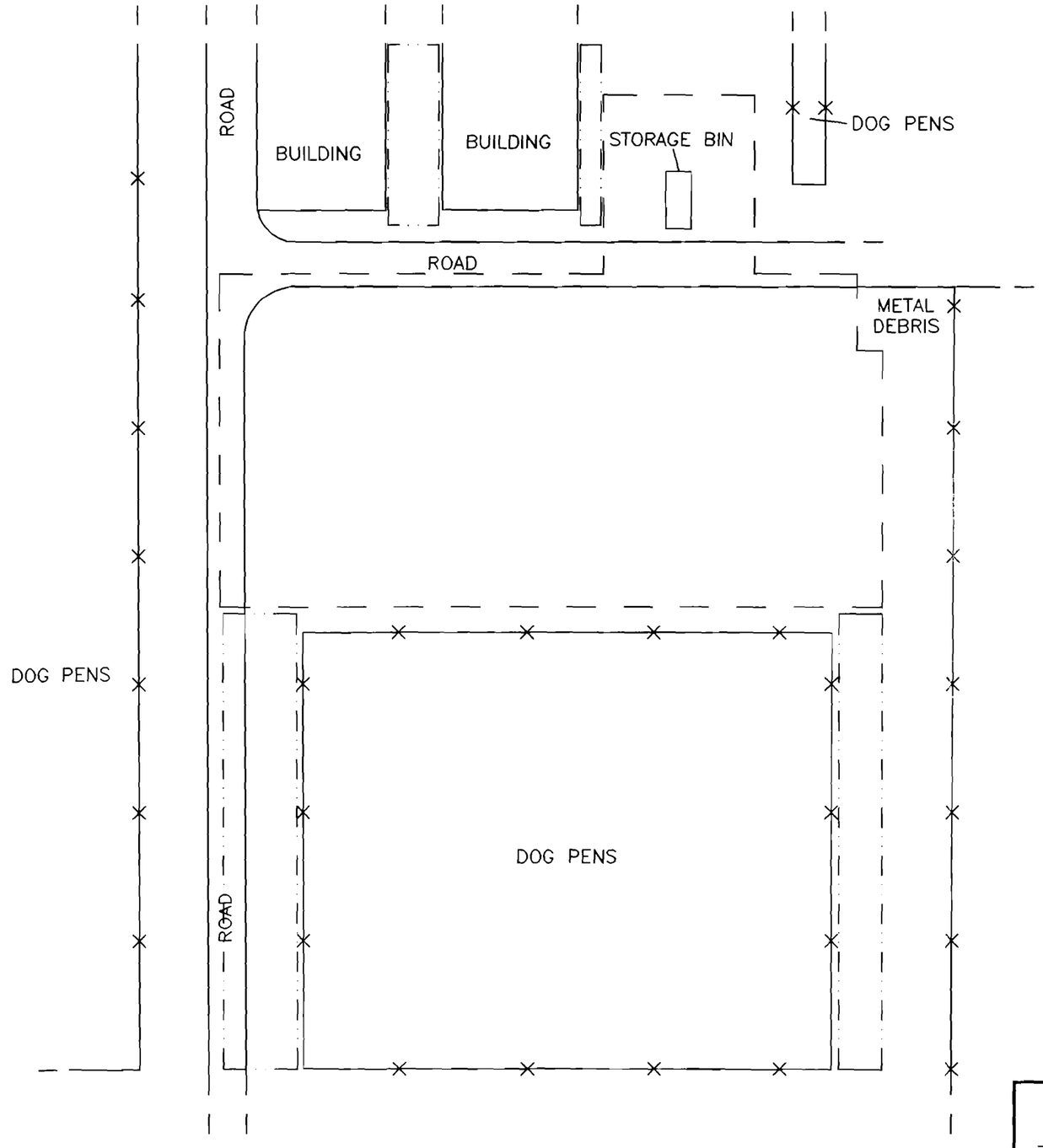


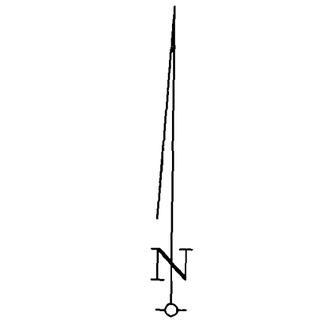


LEGEND

AC/RC	ASPHALT/CONCRETE
	LIMITS OF MAG AND EM SURVEYS
	CHAIN LINK FENCE
	LIMITS OF GPR SURVEY

NORCAL GEOPHYSICAL CONSULTANTS INC. NORCAL			LANDFILL DISPOSAL UNIT #1 SITE LOCATION MAP GEOPHYSICAL INVESTIGATION LEHR DAVIS, CA	PLATE 2
JOB: 94-118.34	APPR: DJK	DATE: 12/94		





LEGEND

- LIMITS OF MAG AND EM SURVEYS
- CHAIN LINK FENCE
- LIMITS OF GPR SURVEY

NORCAL GEOPHYSICAL CONSULTANTS INC.

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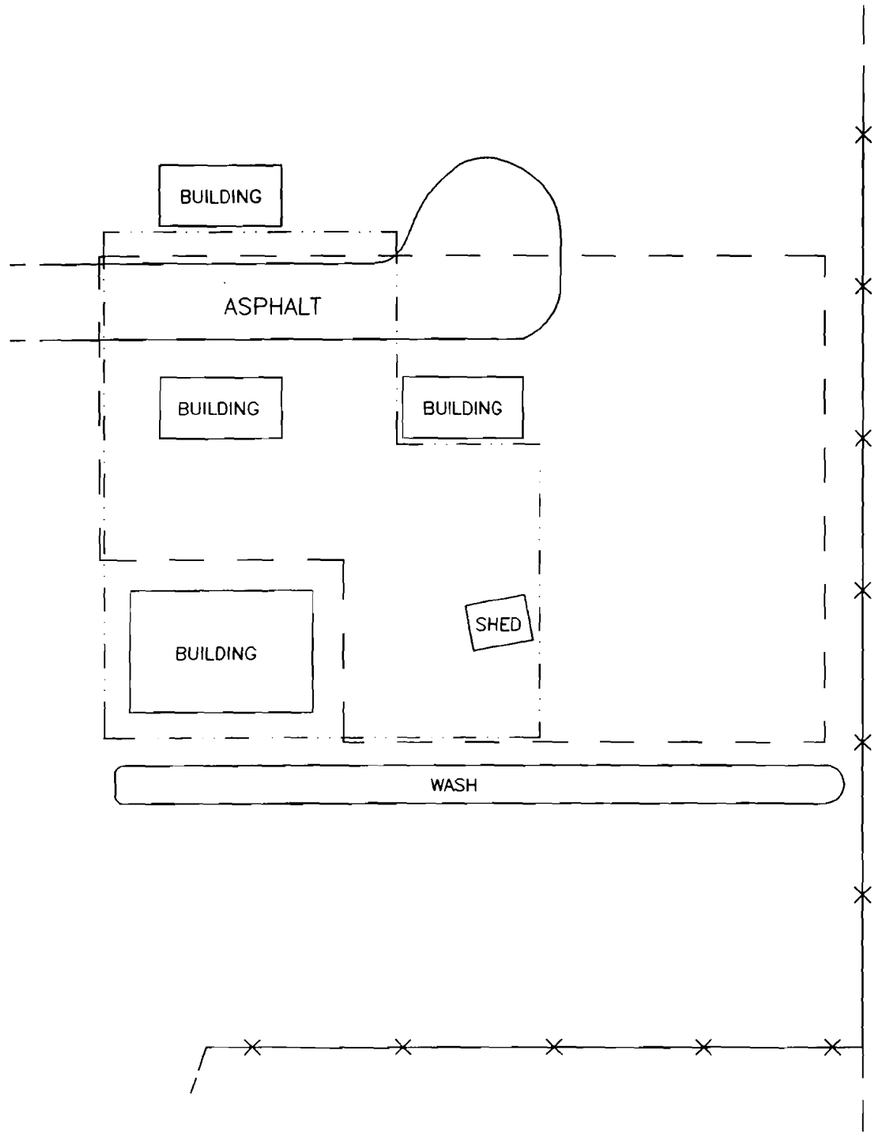
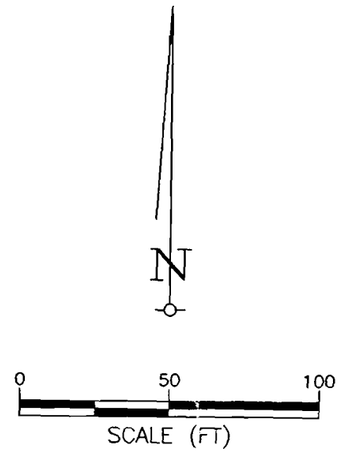
LANDFILL DISPOSAL UNIT #2
SITE LOCATION MAP

GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 3





LEGEND

LIMITS OF MAG AND EM SURVEYS

CHAIN LINK FENCE

LIMITS OF GPR SURVEY

NORCAL GEOPHYSICAL CONSULTANTS INC. NORCAL			LANDFILL DISPOSAL UNIT #3 LOCATION MAP GEOPHYSICAL INVESTIGATION LEHR DAVIS, CA	PLATE 4
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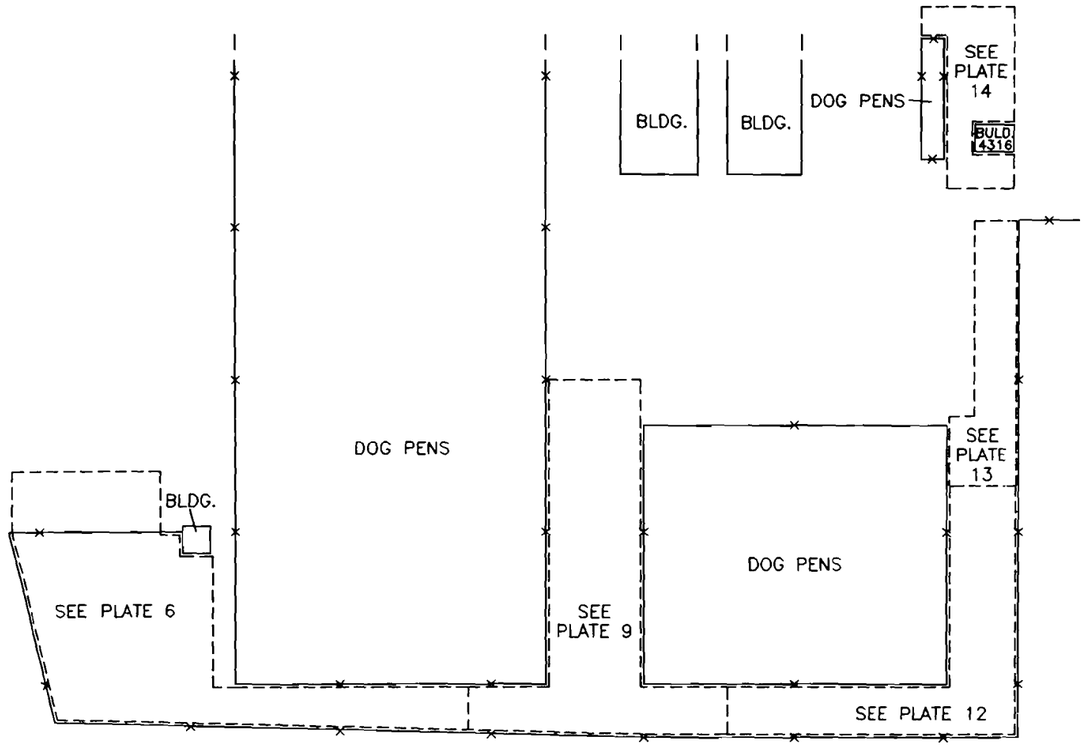
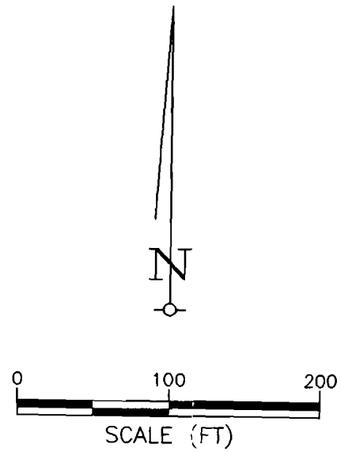
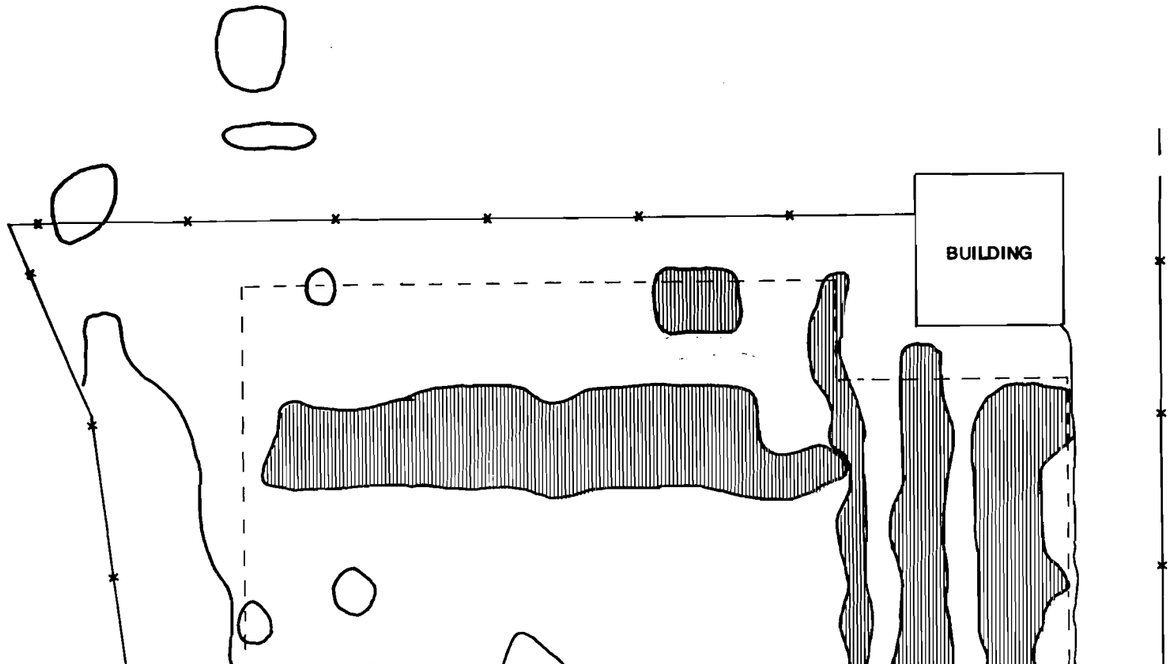


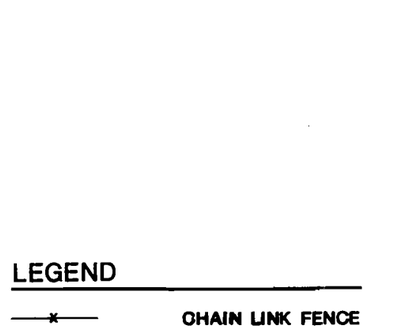


LEGEND

- LIMITS OF GPR INVESTIGATION
- CHAIN LINK FENCE

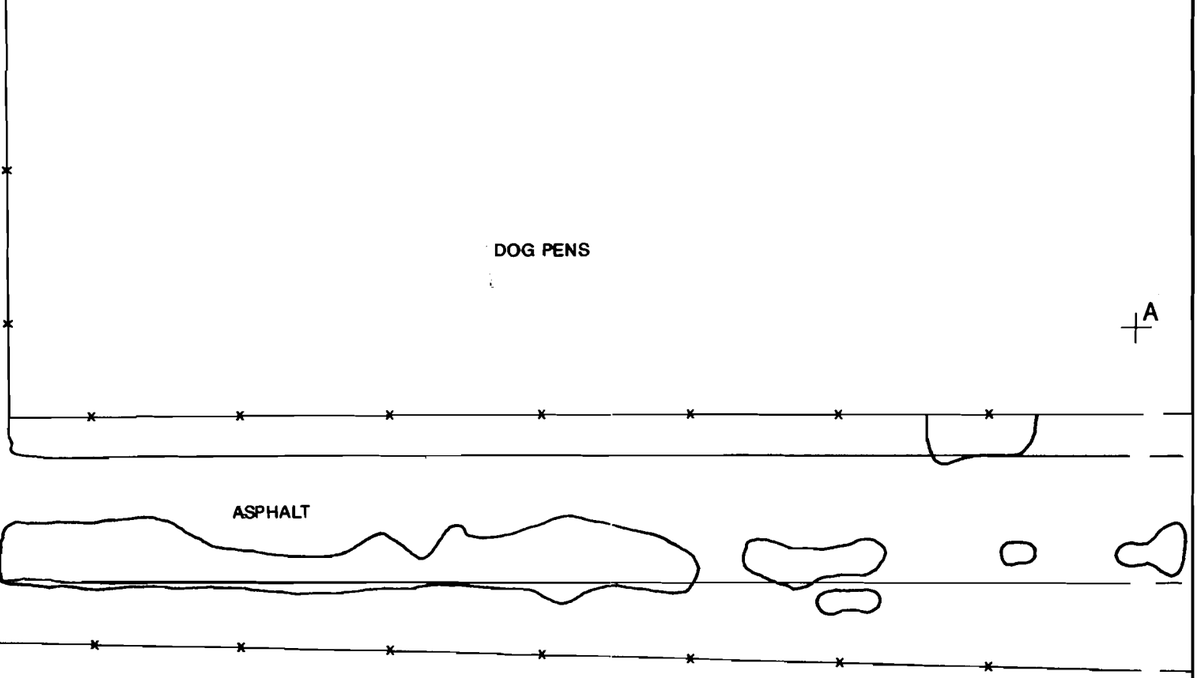
NORCAL GEOPHYSICAL CONSULTANTS INC. NORCAL			OU-1 INDEX MAP GEOPHYSICAL INVESTIGATION LEHR DAVIS, CA
JOB: 94-118.34	APPR: DJK	DATE: 12/94	PLATE 5

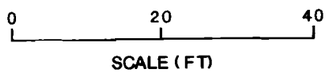




LEGEND

- CHAIN LINK FENCE
- MATCH POINTS WITH AJOINING MAP
- DISTINCT GPR FILL REFLECTION PATTERNS
- SUBTLE GPR FILL REFLECTION PATTERNS
- LIMITS OF MAG AND EM SURVEYS





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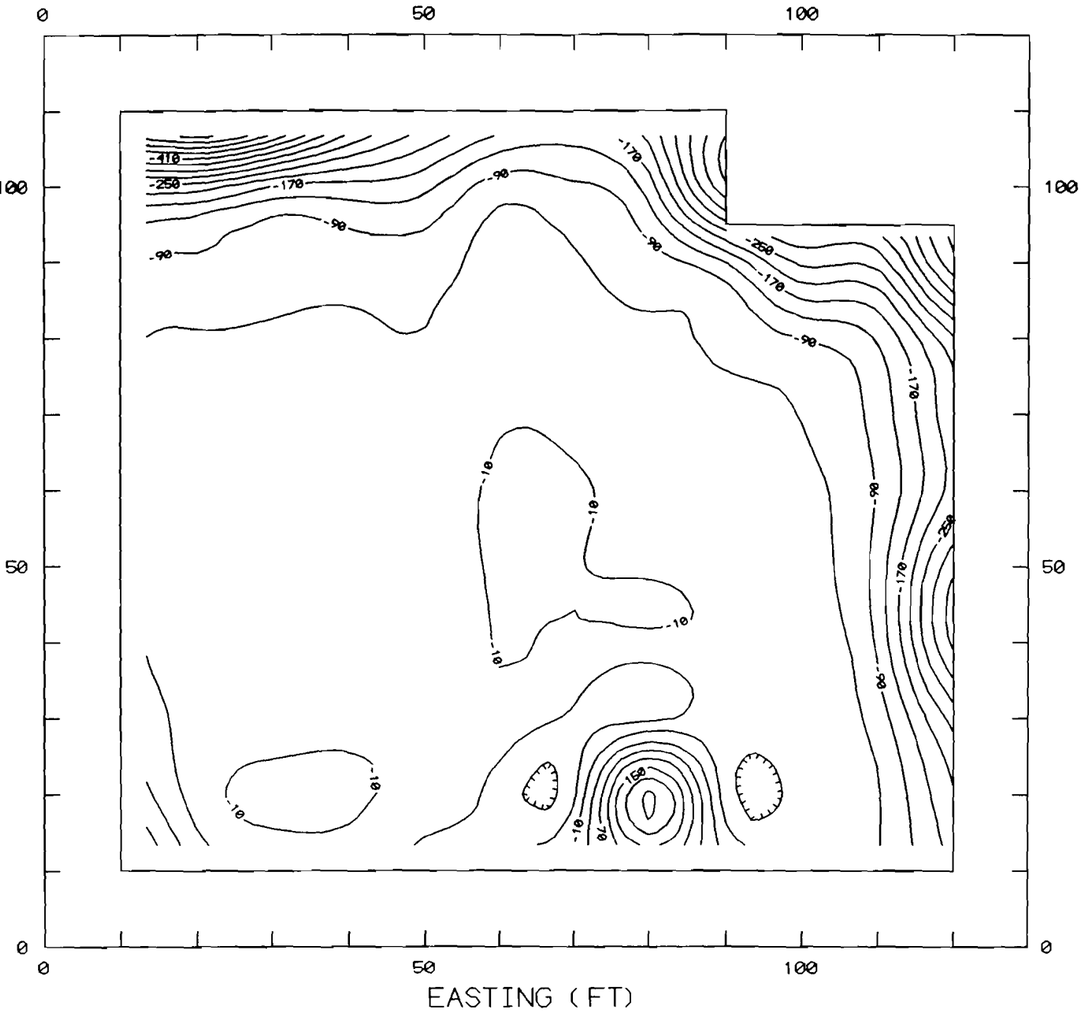
SOUTHWEST DISPOSAL AREA
GPR ANOMALY MAP

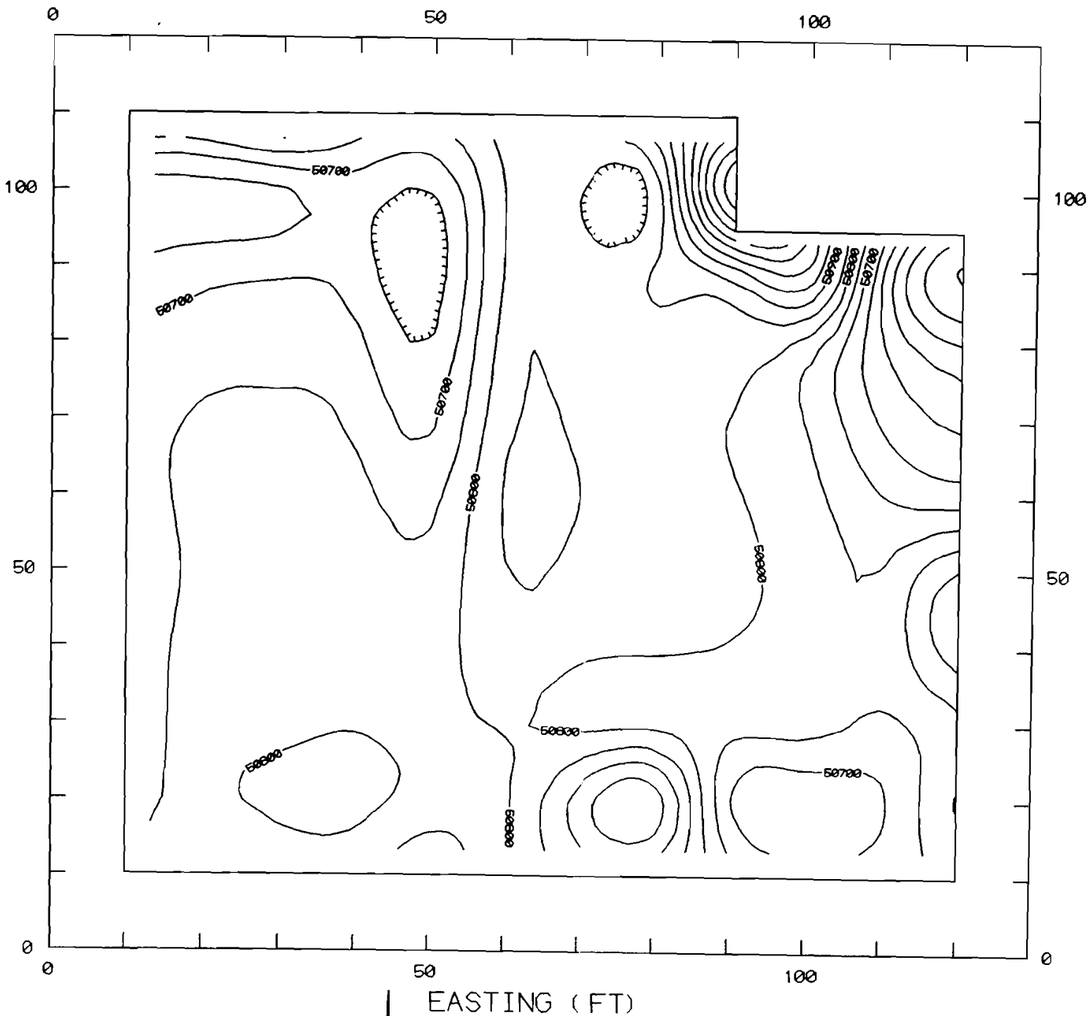
GEOPHYSICAL INVESTIGATION
LEHR

PLATE
6

VERTICAL MAGNETIC GRADIENT CONTOUR MAP



TOTAL MAGNETIC FIELD CONTOUR MAP



LEGEND

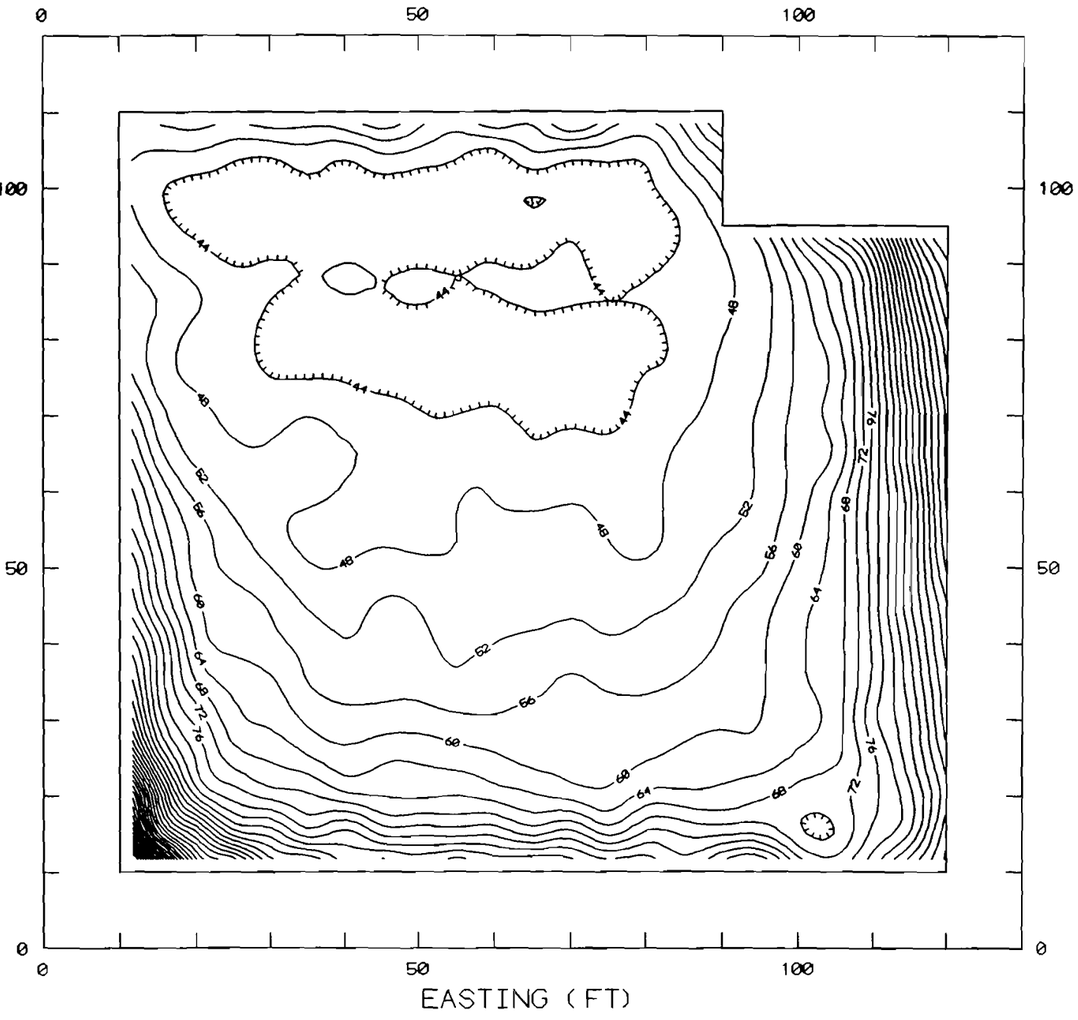
- VERTICAL MAGNETIC GRADIENT CONTOUR
  CONTOUR INTERVAL = 40 g/m
- TOTAL MAGNETIC FIELD CONTOUR
  CONTOUR INTERVAL = 50 g

N

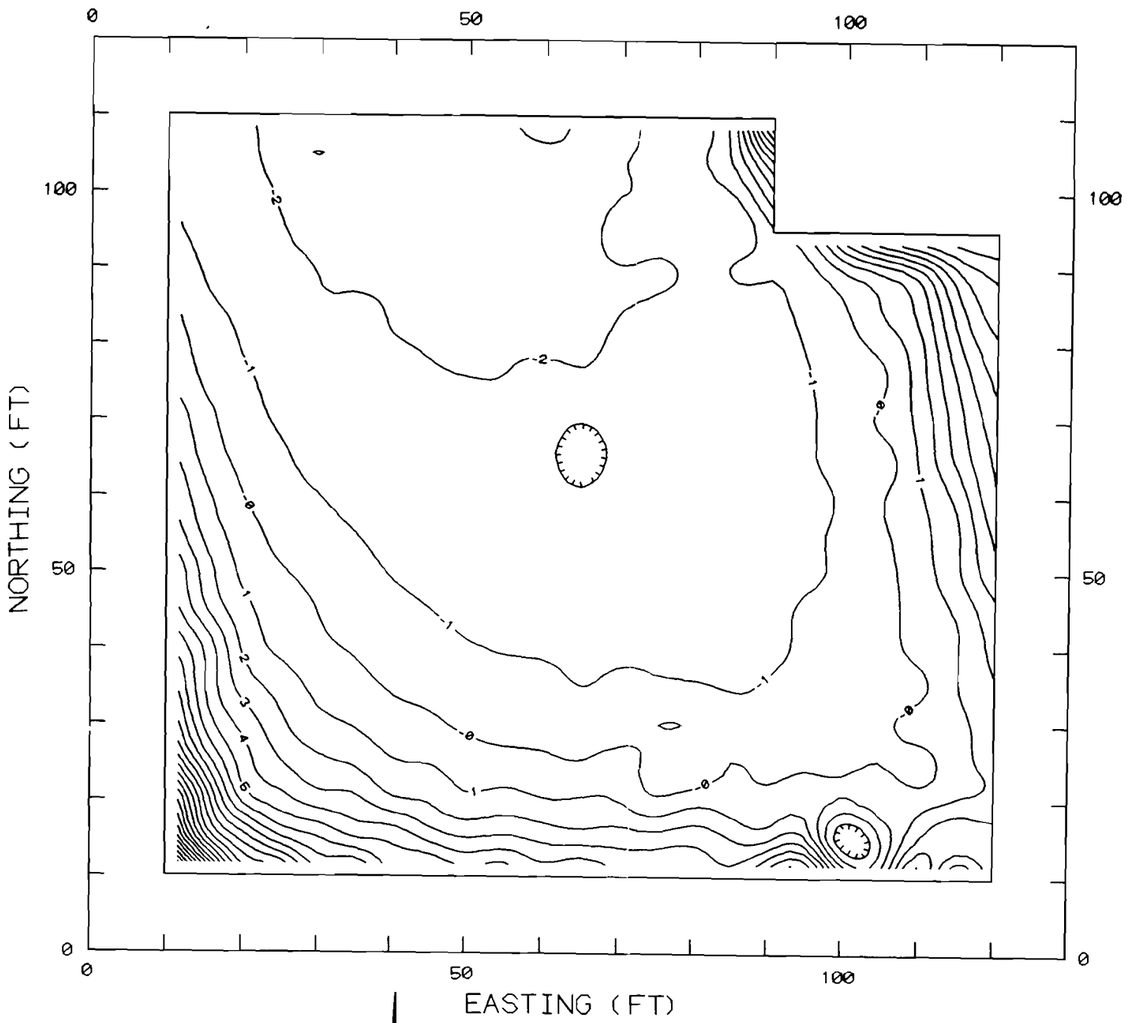
0 20 40
SCALE (FT)

NORCAL GEOPHYSICAL CONSULTANTS INC. NORCAL			SOUTHWEST DISPOSAL AREA MAGNETIC CONTOUR MAPS GEOPHYSICAL INVESTIGATION LEHR DAVIS, CA
JOB: 94-118.34	APPR: DJK	DATE: 12/94	PLATE 7

TERRAIN CONDUCTIVITY CONTOUR MAP



IN-PHASE CONTOUR MAP



LEGEND

TERRAIN CONDUCTIVITY
CONTOUR
CONTOUR INTERVAL = 4 mS/m

IN-PHASE CONTOUR
CONTOUR INTERVAL = 1 PPT

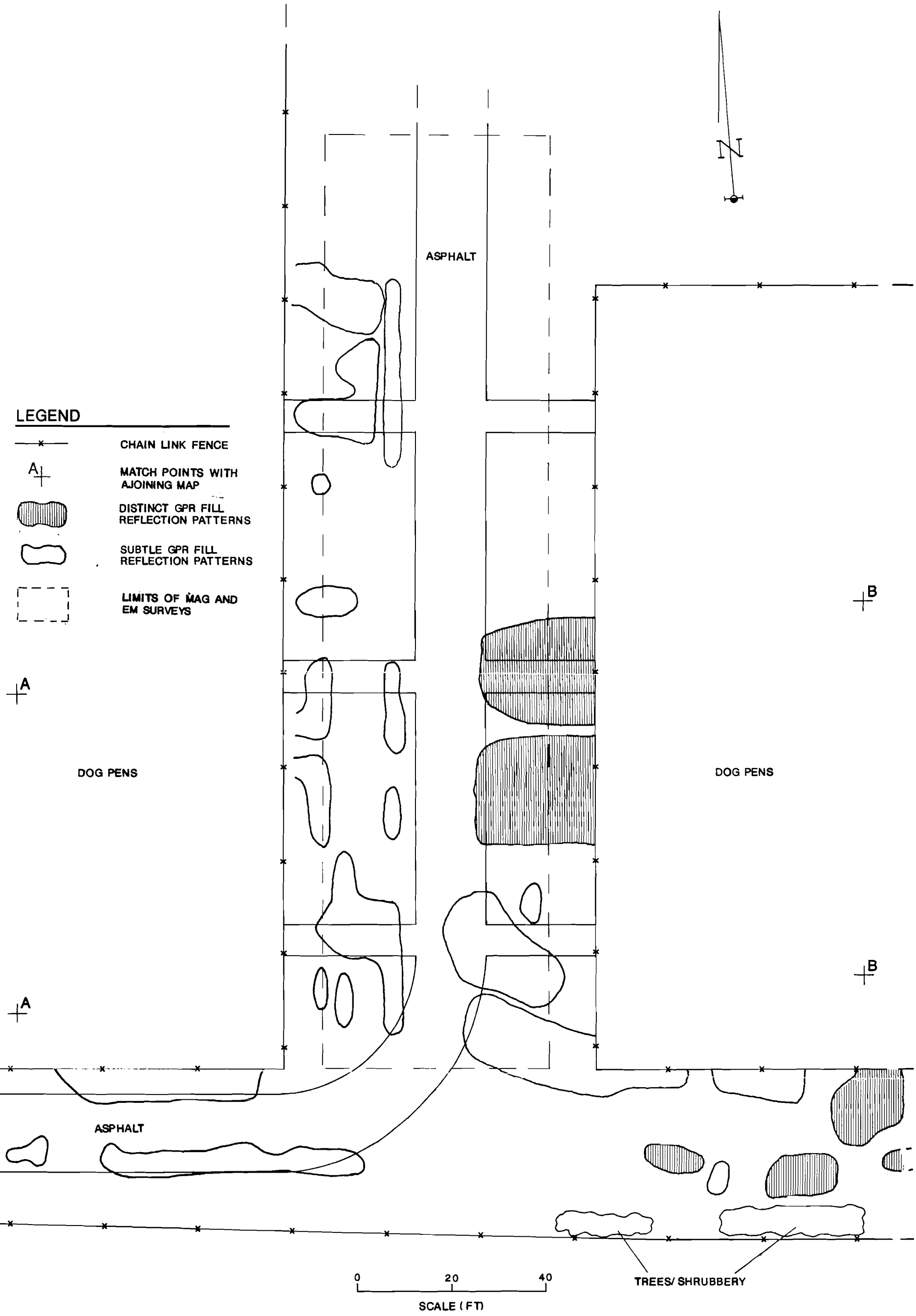
N

0 20 40
SCALE (FT)

NORCAL GEOPHYSICAL CONSULTANTS INC. NORCAL			SOUTHWEST DISPOSAL AREA ELECTROMAGNETIC CONTOUR MAPS GEOPHYSICAL INVESTIGATION LEHR DAVIS, CA	PLATE 8
JOB: 94-118.34	APPR: DJK	DATE: 12/94		

LEGEND

- CHAIN LINK FENCE
- MATCH POINTS WITH AJOINING MAP
- DISTINCT GPR FILL REFLECTION PATTERNS
- SUBTLE GPR FILL REFLECTION PATTERNS
- LIMITS OF MAG AND EM SURVEYS



SEE PLATE 1 FOR LEGEND

NORCAL
GEOPHYSICAL CONSULTANTS

NORCAL

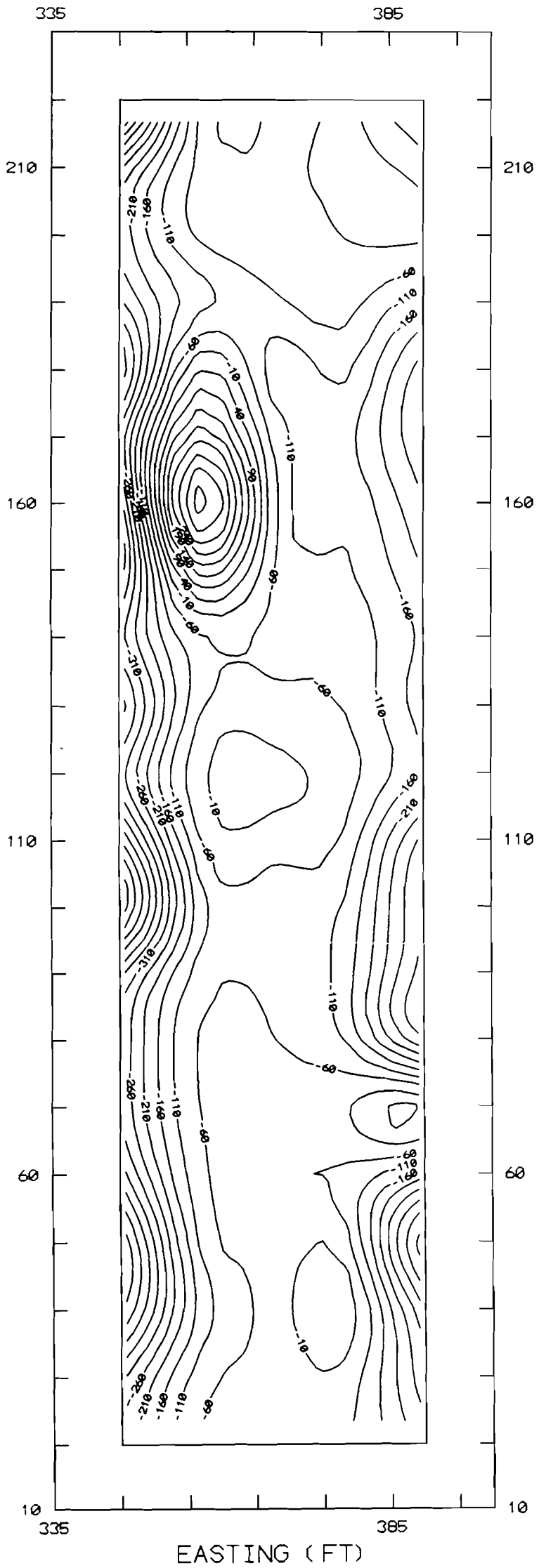
JOB: 94-118.34 | APPR: [illegible] | DATE: 12/94

DOE DISPOSAL BOX AREA
GPR ANOMALY MAP

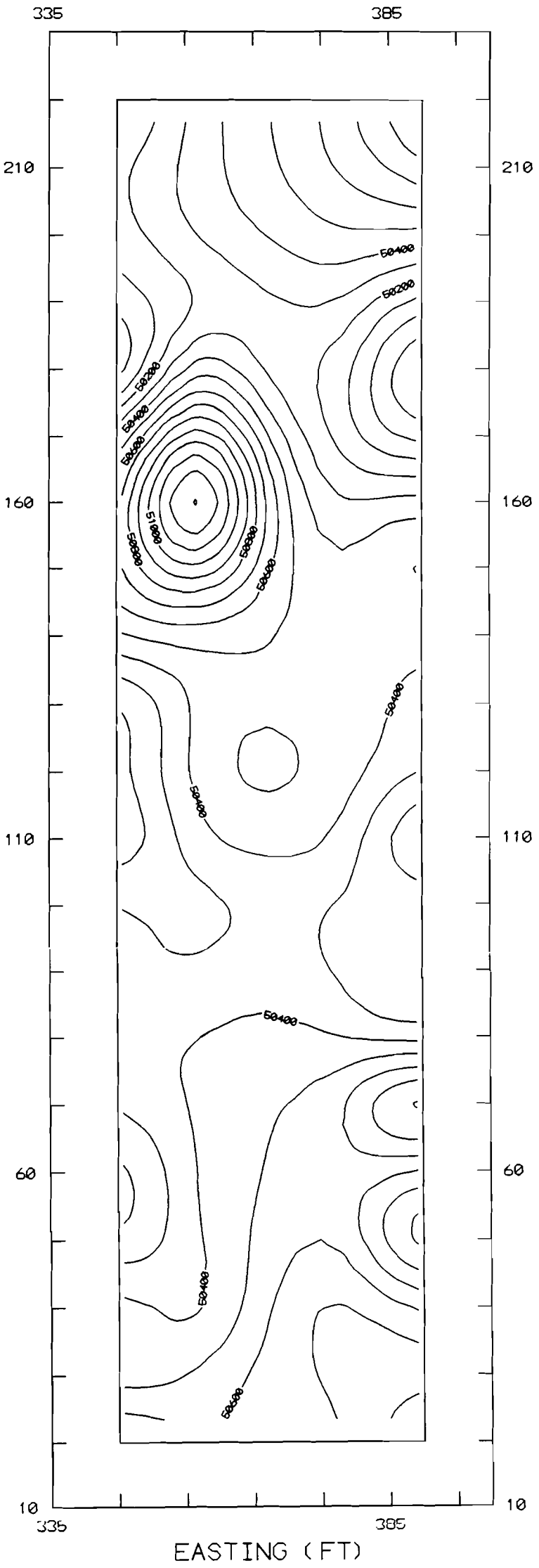
GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE
9

VERTICAL MAGNETIC GRADIENT CONTOUR MAP



TOTAL MAGNETIC FIELD CONTOUR MAP



LEGEND

VERTICAL MAGNETIC GRADIENT CONTOUR
CONTOUR INTERVAL = 50 g/m

TOTAL MAGNETIC FIELD CONTOUR
CONTOUR INTERVAL = 100 g

N

0 20 40
SCALE (FT)

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DOE DISPOSAL BOX AREA
MAGNETIC CONTOUR MAPS

GEOPHYSICAL INVESTIGATION
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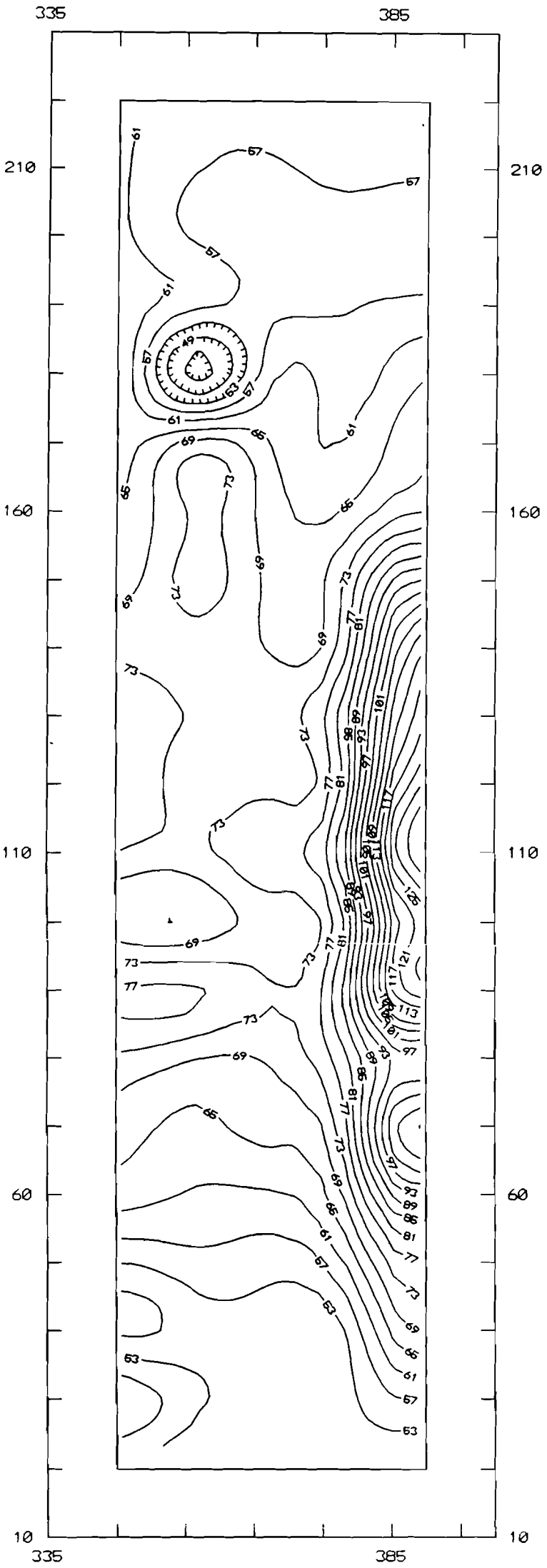
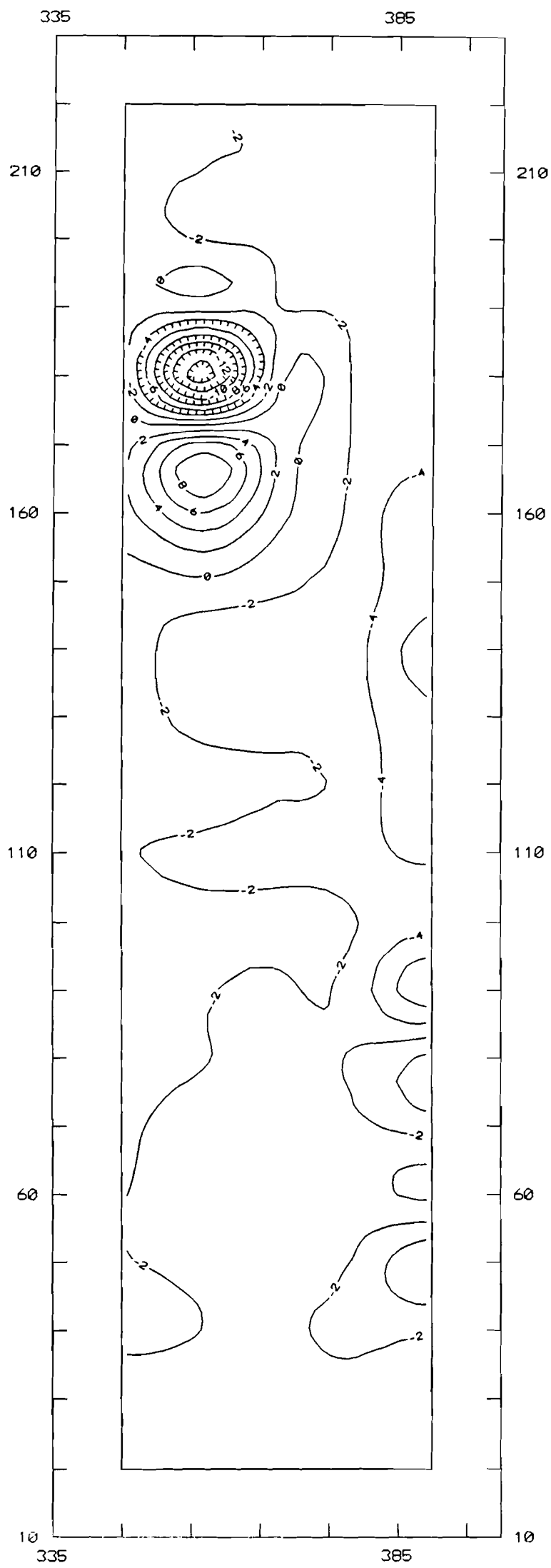
PLATE 10

TERRAIN CONDUCTIVITY CONTOUR MAP



IN-PHASE CONTOUR MAP



LEGEND

TERRAIN CONDUCTIVITY CONTOUR
CONTOUR INTERVAL = 4 mS/m

IN-PHASE CONTOUR
CONTOUR INTERVAL = 2 PPT

N

0 20 40
SCALE (FT)

NORCAL GEOPHYSICAL CONSULTANTS INC.

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DOE DISPOSAL BOX AREA
ELECTROMAGNETIC CONTOUR MAPS

GEOPHYSICAL INVESTIGATION
LEHR
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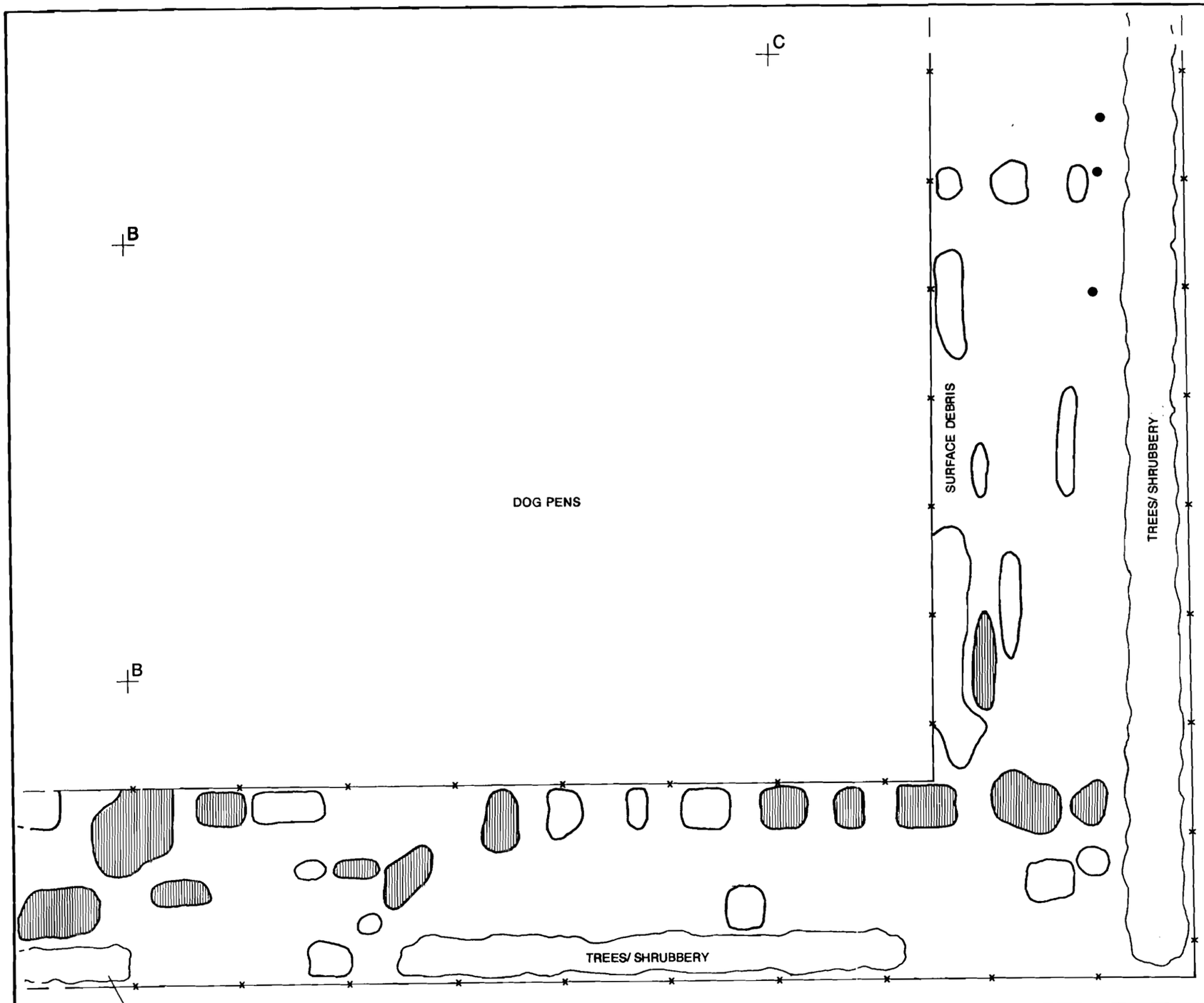
PLATE 11



LEGEND

- CHAIN LINK FENCE
- MATCH POINTS WITH AJOINING MAP
- DISTINCT GPR FILL REFLECTION PATTERNS
- SUBTLE GPR FILL REFLECTION PATTERNS
- MONITORING WELL

0 20 40

SCALE (FT)

SEE PLATE 1 FOR LEGEND

NORCAL GEOPHYSICAL CONSULTANTS

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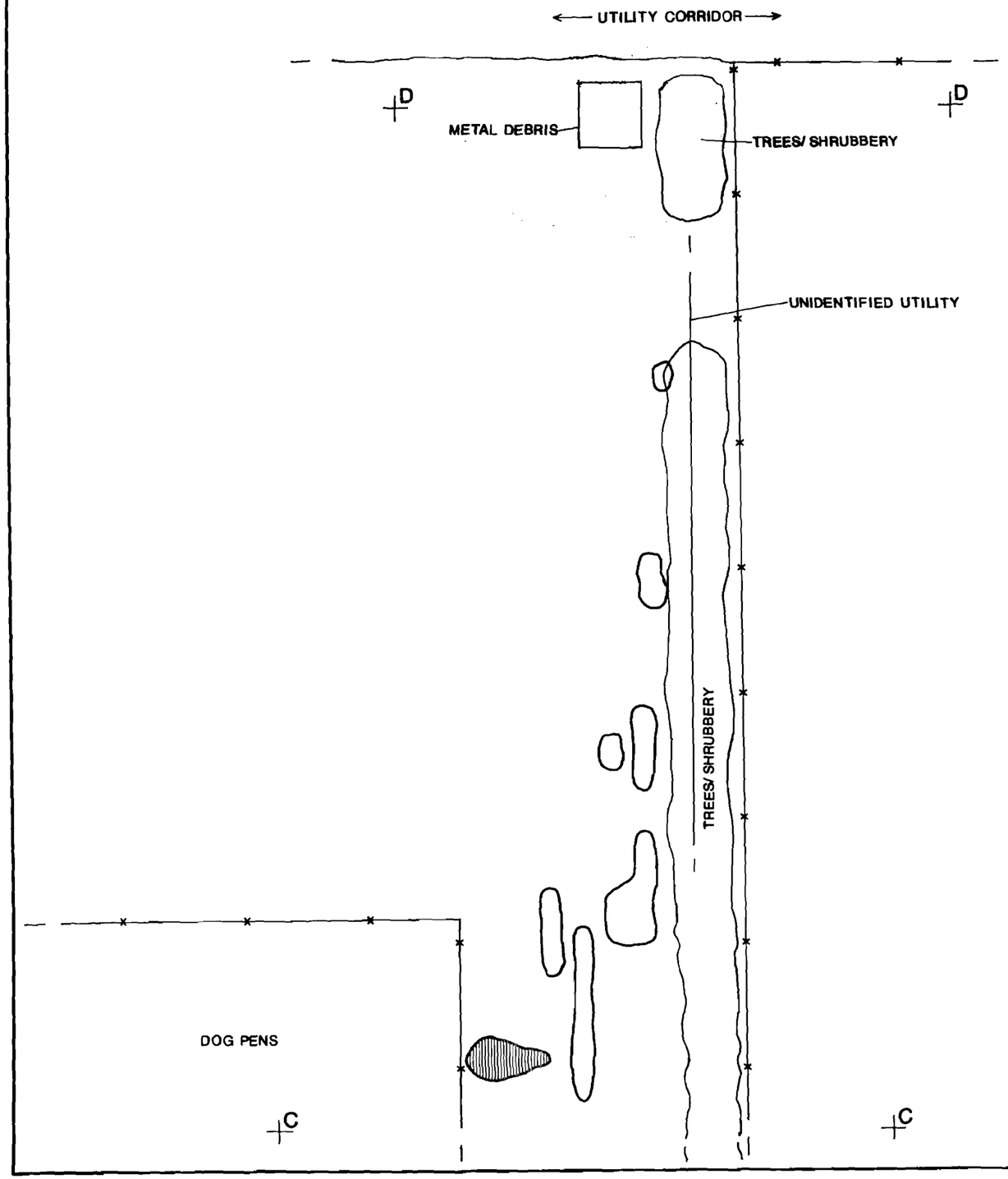
JOB: 94-118.34 | APPR: JSK | DATE: 12/94

UC DAVIS DISPOSAL TRENCH AREA
GPR ANOMALY MAP

GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 12



LEGEND

- CHAIN LINK FENCE
- A — MATCH POINTS WITH AJOINING MAP
- DISTINCT GPR FILL REFLECTION PATTERNS
- SUBTLE GPR FILL REFLECTION PATTERNS

0 20 40

SCALE (FT)

SEE PLATE 1 FOR LEGEND

NORCAL GEOPHYSICAL CONSULTANTS

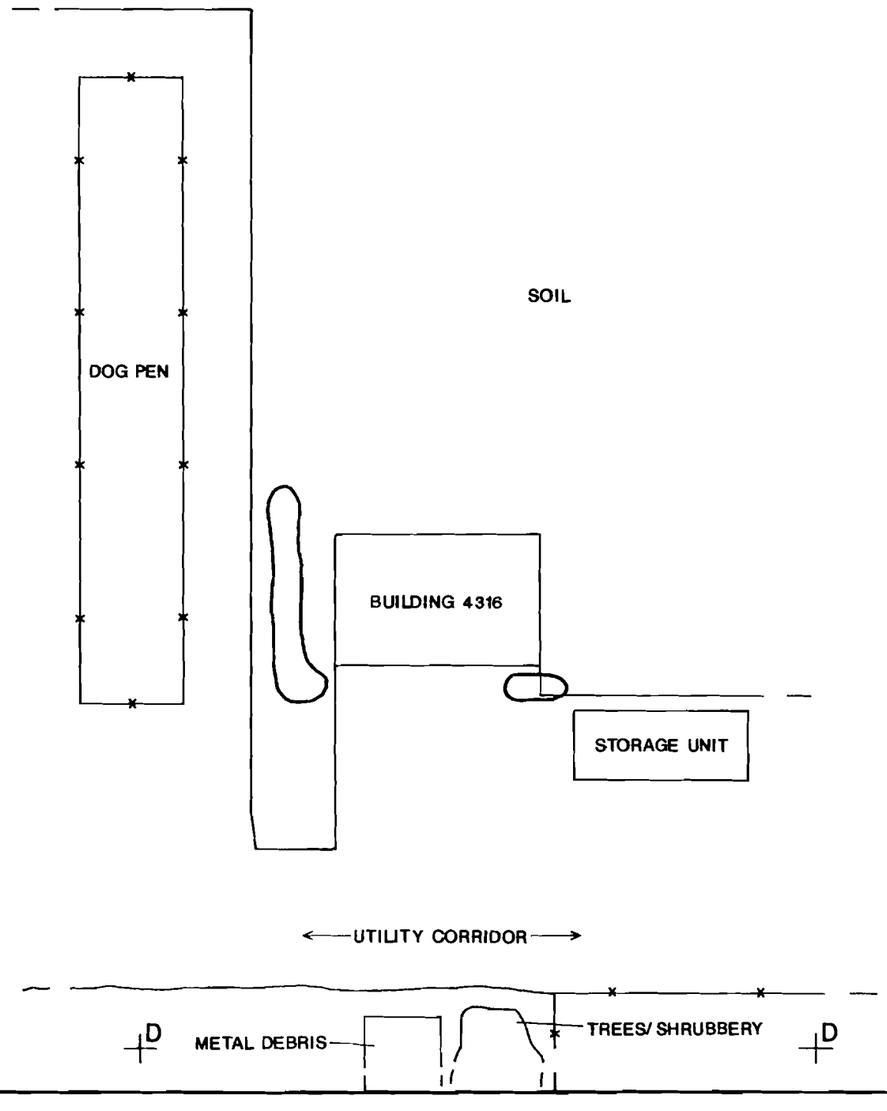
NORCAL

JOB: 94-118.34 | APPR: DK | DATE: 12/94

UC DAVIS DISPOSAL TRENCH AREA
GPR ANOMALY MAP

GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 13



LEGEND

- CHAIN LINK FENCE
- A — MATCH POINTS WITH AJOINING MAP
- SUBTLE GPR FILL REFLECTION PATTERNS

0 20 40

SCALE (FT)

SEE PLATE 1 FOR LEGEND

NORCAL GEOPHYSICAL CONSULTANTS

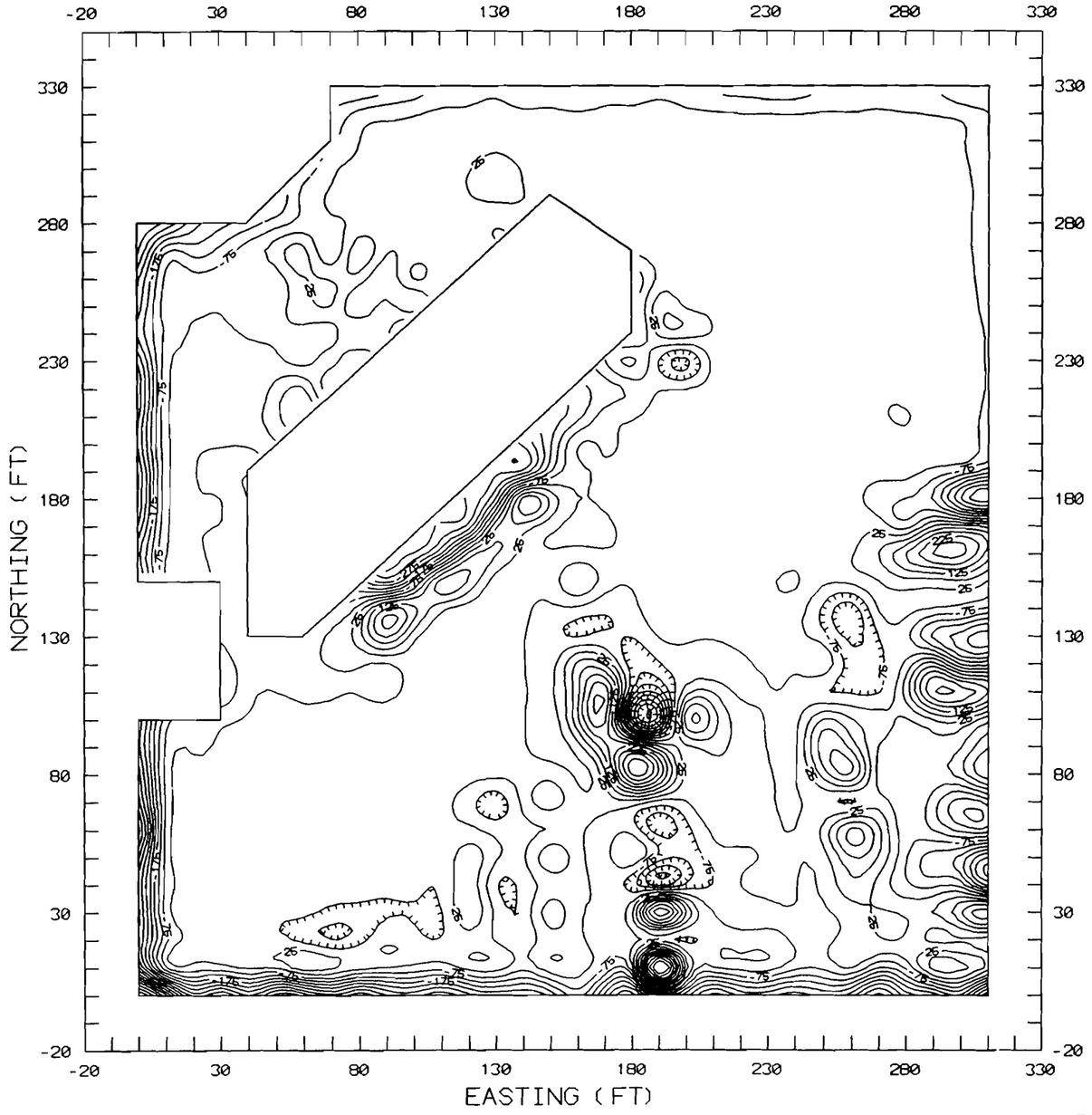
NORCAL

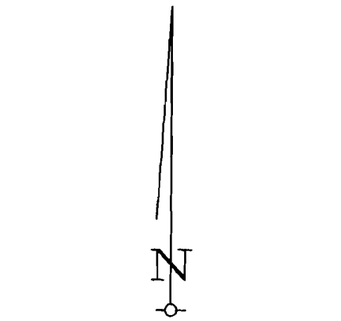
JOB: 94-118.34 | APPR: DJK | DATE: 12/94

UC DAVIS DISPOSAL TRENCH AREA
GPR ANOMALY MAP

GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 14

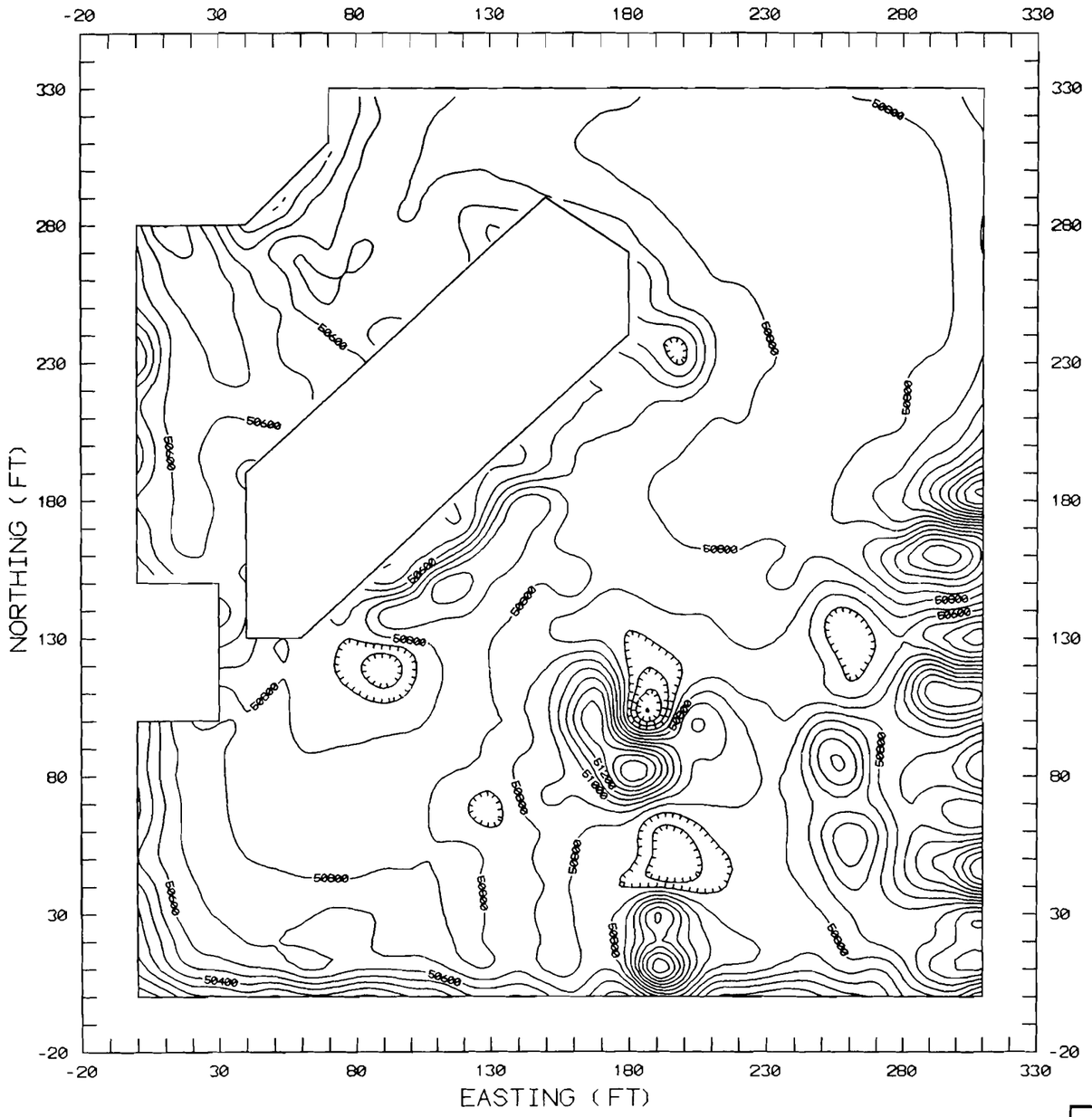


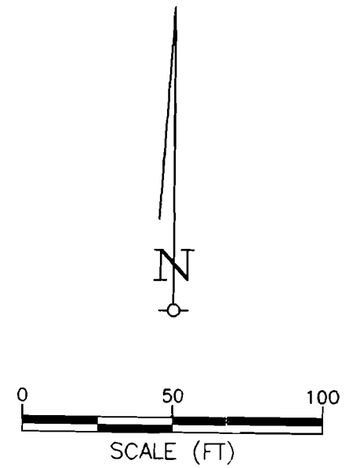


LEGEND

0 — VERTICAL MAGNETIC GRADIENT CONTOUR
CONTOUR INTERVAL = 50 g/m

NORCAL GEOPHYSICAL CONSULTANTS INC. NORCAL			LANDFILL DISPOSAL UNIT #1 VERTICAL MAGNETIC GRADIENT CONTOUR MAP GEOPHYSICAL INVESTIGATION LEHR DAVIS, CA
JOB: 94-118.34	APPR: DJK	DATE: 12/94	PLATE 15

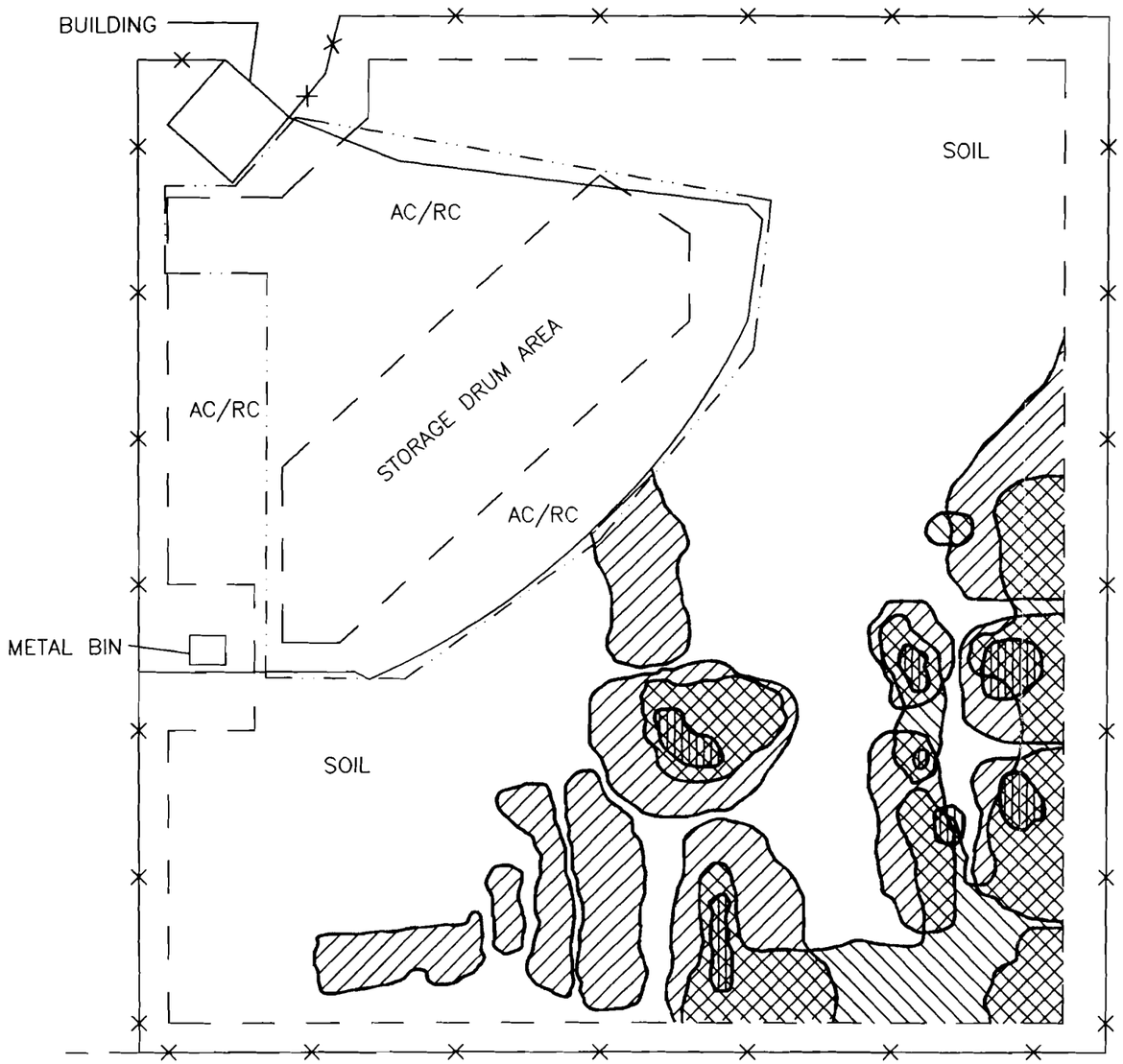


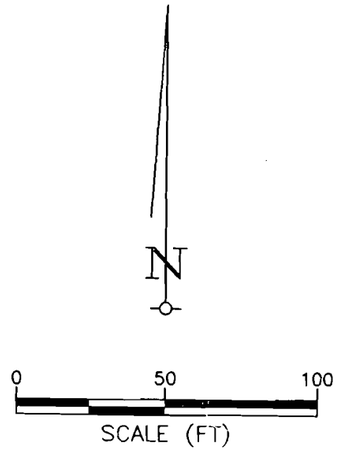


LEGEND

0 — TOTAL MAGNETIC FIELD CONTOUR
CONTOUR INTERVAL = 400 g

NORCAL GEOPHYSICAL CONSULTANTS INC. NORCAL			LANDFILL DISPOSAL UNIT #1 TOTAL MAGNETIC FIELD CONTOUR MAP GEOPHYSICAL INVESTIGATION LEHR DAVIS, CA	PLATE 16
JOB: 94-118.34	APPR: DSK	DATE: 12/94		





LEGEND

AC/RC	ASPHALT/CONCRETE
	LIMITS OF MAG AND EM SURVEYS
	CHAIN LINK FENCE
	LIMITS OF GPR SURVEY
	MAG ANOMALY
	TERRAIN CONDUCTIVITY ANOMALY
	IN-PHASE ANOMALY

NORCAL GEOPHYSICAL CONSULTANTS INC.

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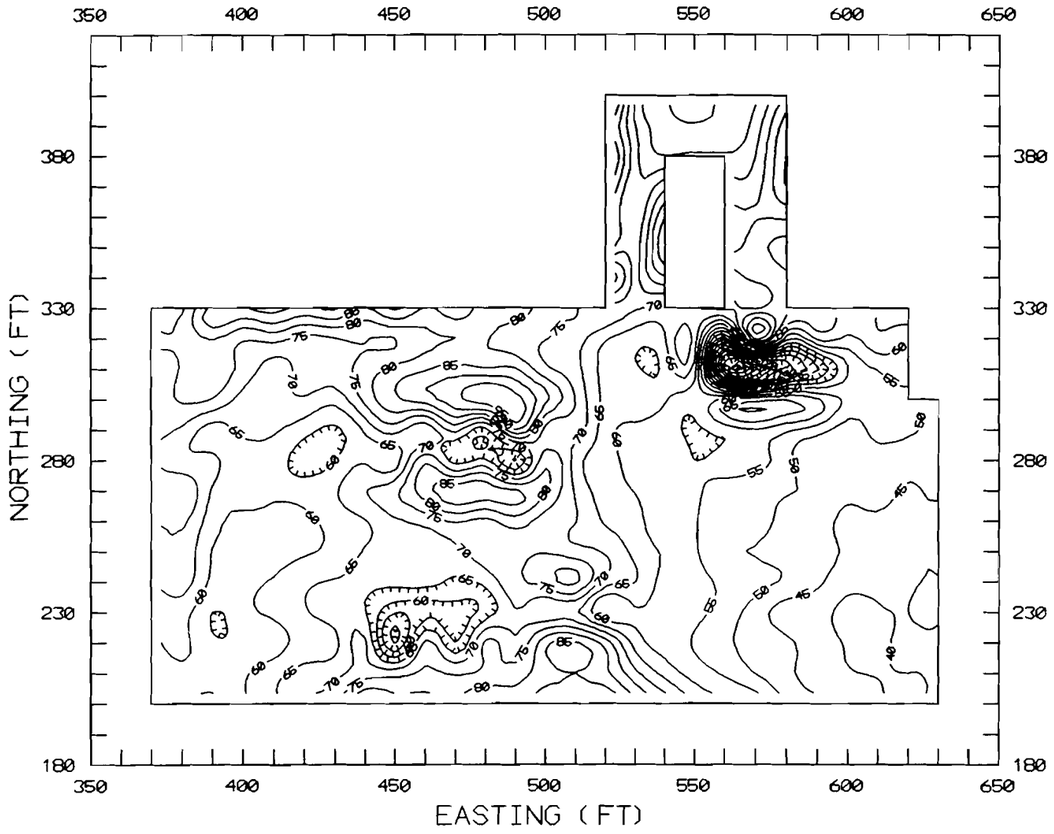
LANDFILL DISPOSAL UNIT #1
ANOMALY MAP

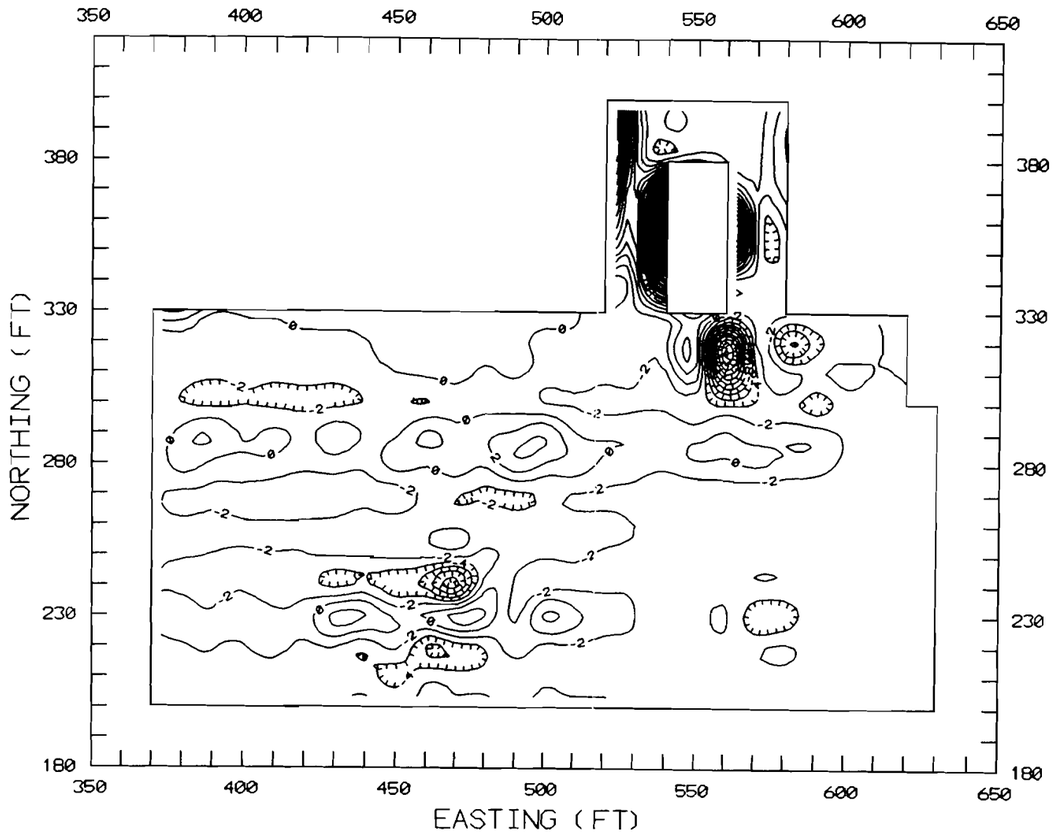
GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 19

TERRAIN CONDUCTIVITY CONTOUR MAP



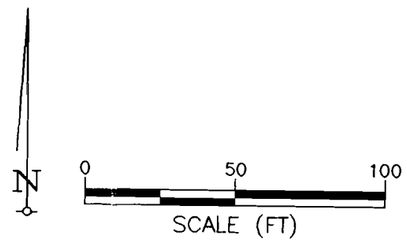
IN-PHASE CONTOUR MAP



LEGEND

TERRAIN CONDUCTIVITY
CONTOUR
CONTOUR INTERVAL = 5 mS/m

IN-PHASE CONTOUR
CONTOUR INTERVAL = 2 PPT



NORCAL GEOPHYSICAL CONSULTANTS INC.

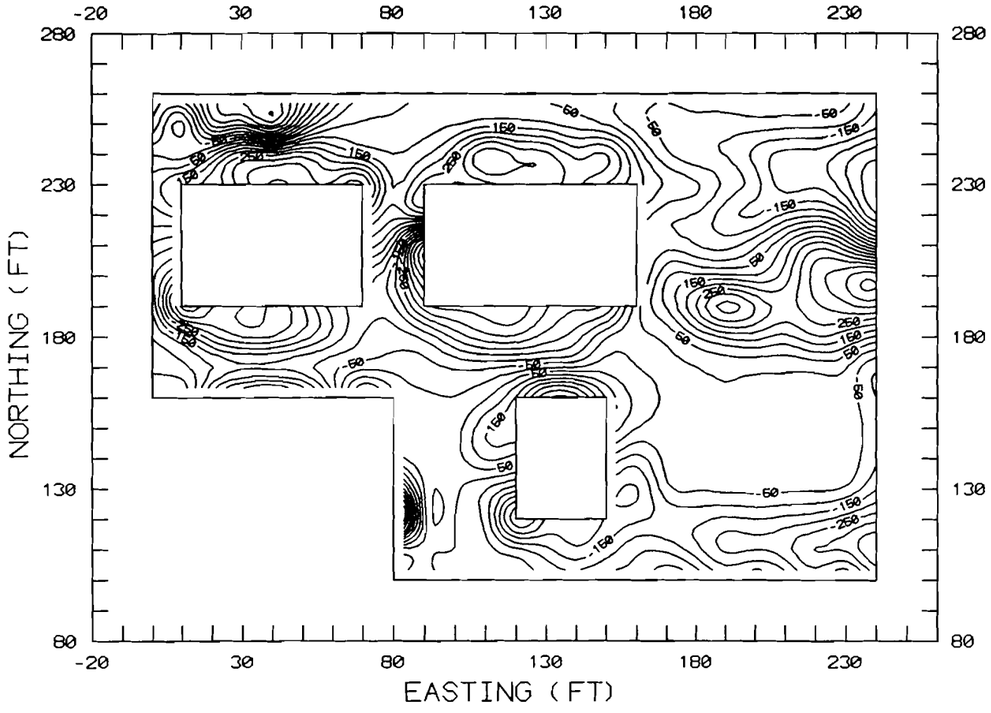
JOB: 94-118.34	APPR: DJK	DATE: 12/94

LANDFILL DISPOSAL UNIT #2
ELECTROMAGNETIC CONTOUR MAPS

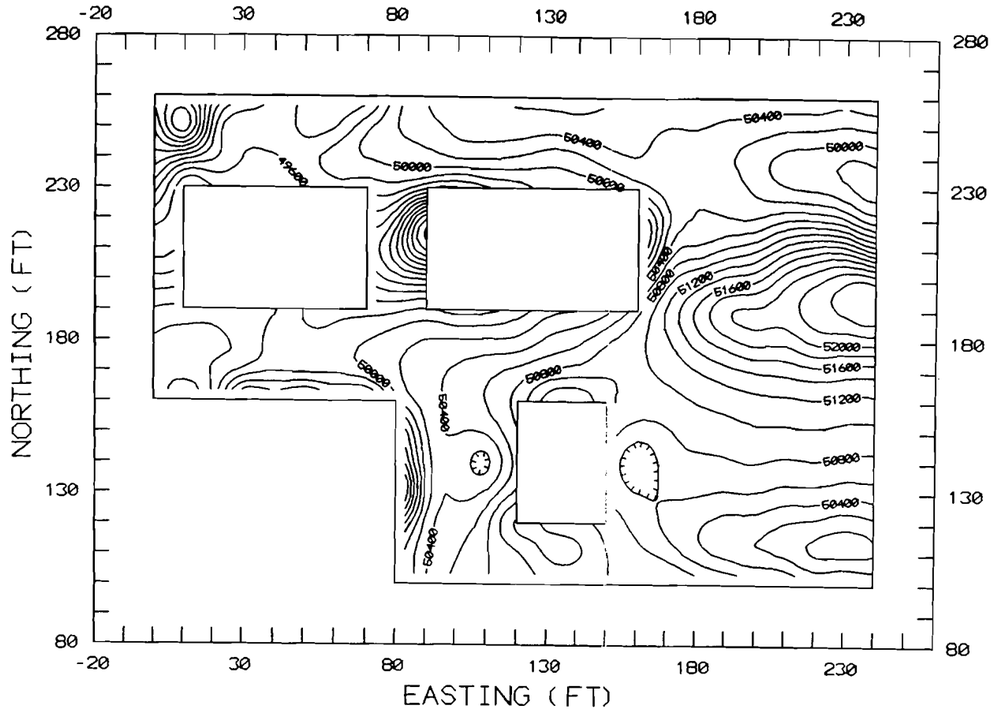
GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 21

VERTICAL MAGNETIC GRADIENT CONTOUR MAP



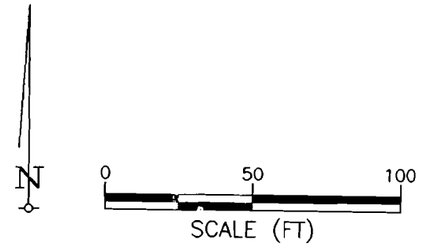
TOTAL MAGNETIC FIELD CONTOUR MAP



LEGEND

VERTICAL MAGNETIC GRADIENT
CONTOUR
CONTOUR INTERVAL = 50 g/m

TOTAL MAGNETIC FIELD
CONTOUR
CONTOUR INTERVAL = 200 g



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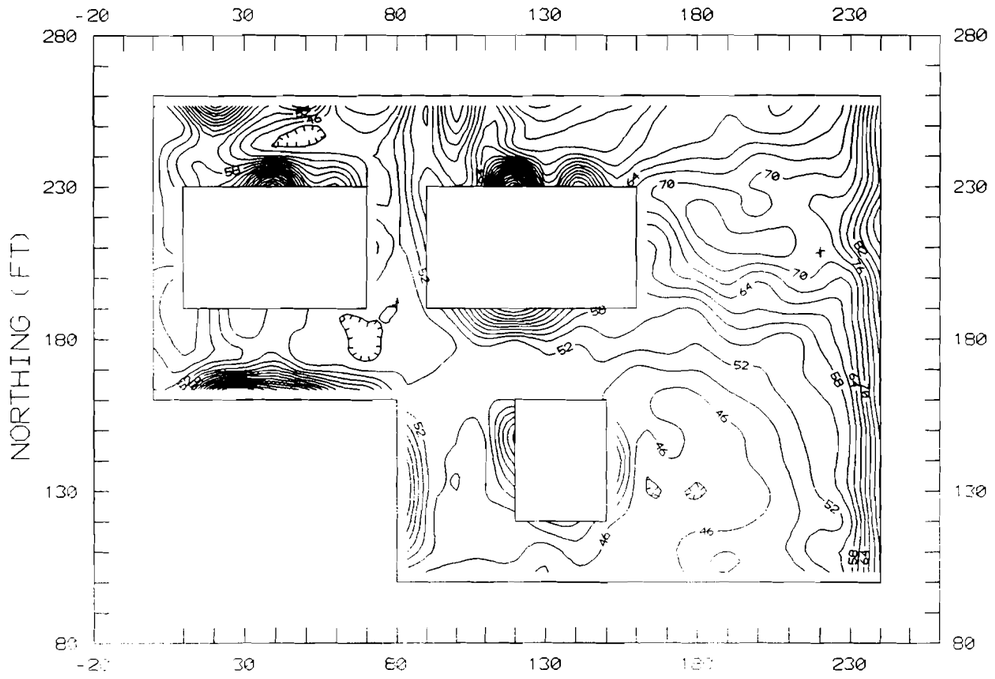
LANDFILL DISPOSAL UNIT #3
MAGNETIC CONTOUR MAPS

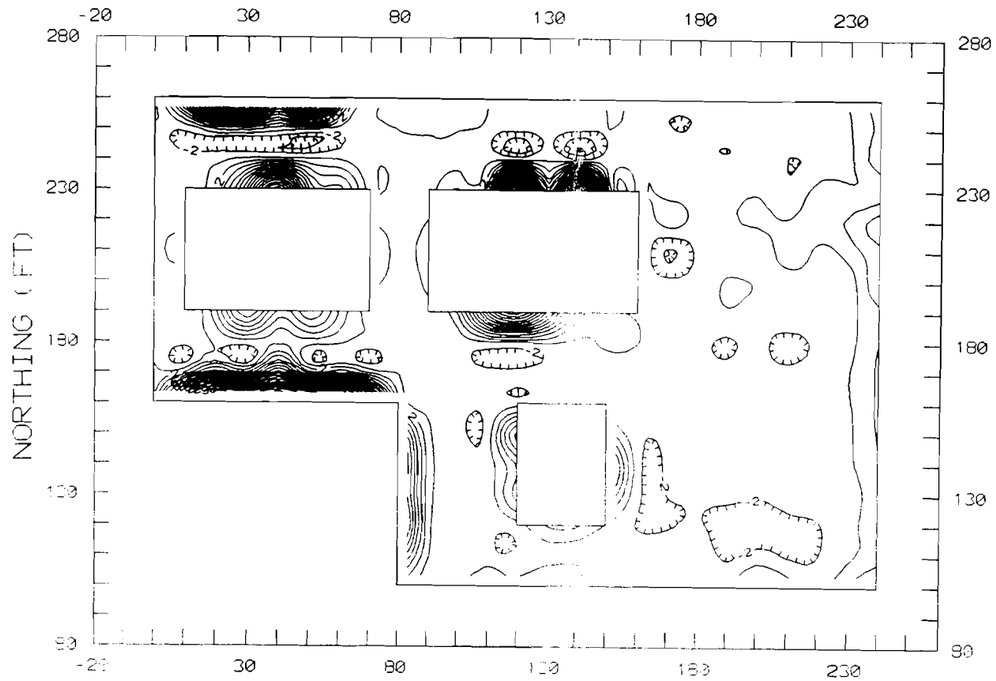
GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 23

TERRAIN CONDUCTIVITY CONTOUR MAP



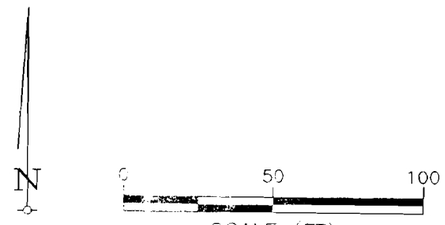
IN-PHASE CONTOUR MAP



LEGEND

TERRAIN CONDUCTIVITY CONTOUR
CONTOUR INTERVAL = 3 mS/m

IN-PHASE CONTOUR
CONTOUR INTERVAL = 2 PPT

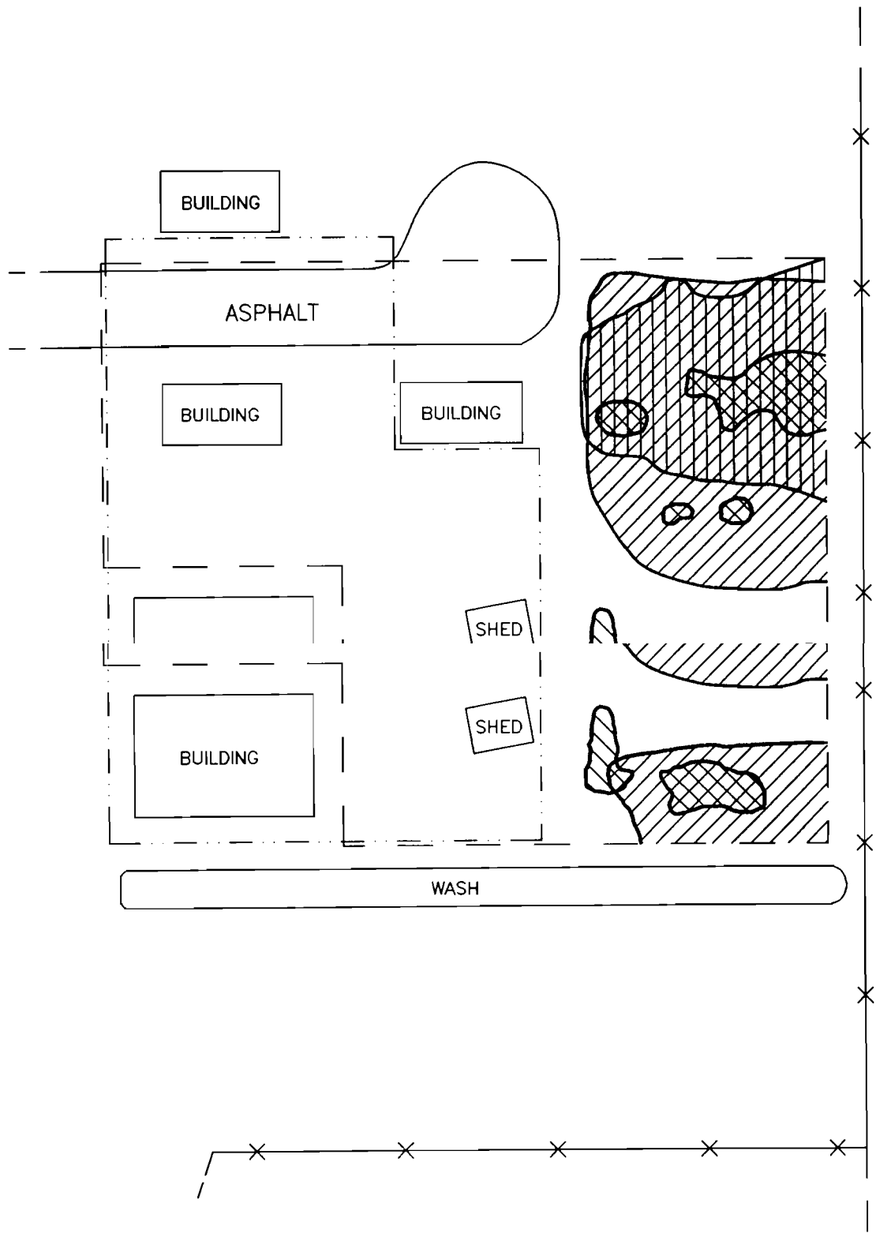


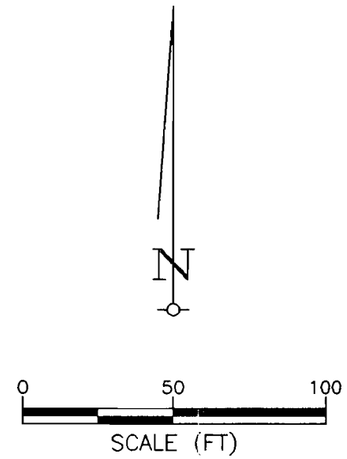
NORCAL GEOPHYSICAL CONSULTANTS INC.

JOB: 94-118.34	APPR: DSK	DATE: 12/94

LANDFILL DISPOSAL UNIT #3
ELECTROMAGNETIC CONTOUR MAPS
GEOPHYSICAL INVESTIGATION
LEHR
DAVIS, CA

PLATE 24





LEGEND

LIMITS OF MAG AND EM SURVEYS

LEGEND

LIMITS OF MAG AND EM SURVEYS

CHAIN LINK FENCE

LIMITS OF GPR SURVEY

MAG ANOMALY

TERRAIN CONDUCTIVITY ANOMALY

IN-PHASE ANOMALY

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LANDFILL DISPOSAL UNIT #3
ANOMALY MAP

GEOPHYSICAL INVESTIGATION
LEHR

PLATE
25

NORCAL

Appendix A

QA/QC STANDARD OPERATING PROCEDURES

NORCAL

STANDARD OPERATING PROCEDURES

These standard operating procedures are for geophysical surveys to be performed at the Laboratory for Energy-Related Health Research (LEHR) at the University of California (UC) Davis. This work is in support of the Dames and Moore RI/FS Work Plan September 1994. The following information describes Technical Approach (Section 1.0), Equipment Functional Checks (Section 1.5), Software Function (Section 1.6), and Reporting (Section 1.7).

1.0 Technical Approach

We will obtain magnetic (MAG), electromagnetic (EM), and ground penetrating radar (GPR) data at evenly distributed points or along parallel traverses within the proposed areas to be investigated. We will interpret these data to aid in determining the locations and/or boundaries of disposal pits, septic systems, disposal cells within landfill areas, and other foreign debris.

1.1 Horizontal Control

To guide data acquisition, we establish a survey grid over each specific area to be investigated. The grid is referenced to local survey monuments and/or landmarks. A fiberglas measuring tape will be used to determine distances, and a right angle prism will be used to square the grid. The grid nodes are marked using stakes, pin flags, or marking paint depending upon specific site conditions. Separation of grid nodes will be 20 feet. Designation of the nodes will be a coordinate system of northing and easting from an arbitrary origin that will be referenced to the overall site coordinate system.

1.2 Magnetometer Survey

1.2.1 Methodology

The intensity of the earths magnetic field can be measured at predetermined points distributed along a traverse or in a grid pattern using a proton precession magnetometer. Local variations in the measured values can be attributed to geologic variations and/or the presence of buried ferrous material. Typical proton precession magnetometers have a single sensor and measure the total intensity of the earth's magnetic field in gammas. Some magnetometers have two sensors and can measure

not only the total intensity of the earths magnetic field (total field), but also its vertical gradient (gradiometer). These values are displayed in units of gammas/meter (g/m). Among the advantages of using a gradiometer are; higher sensitivity and better resolution of near surface sources, and measurements that are immune to temporal fluctuations.

Areas with significant amounts of buried metal typically produce anomalously steep vertical magnetic gradient values. These values can be both positive and negative depending on the shape and orientation of the source, and the location of the magnetometer relative to the source. Typically, the measured values will be positive directly above the source and negative to the side. This results in what is termed a bi-polar anomaly.

1.2.2 Instrumentation

We will use an EDA Omni IV magnetic gradiometer to obtain both total field and vertical magnetic gradient data. This instrument has a absolute accuracy of 1 gamma (g) and a processing sensitivity of 0.02 g. It contains two sensors mounted 0.5 meters apart at the top of an 8 ft. staff. The reading obtained from the top sensor represents the total intensity of the earths magnetic field in gammas (g). In the gradient mode, the difference between the top and bottom sensors represents the vertical gradient in gammas per meter (g/m). The Omni IV has built-in software and a non-volatile memory. It automatically computes the total field and vertical gradient values in real time. These data are stored in memory along with the time and date of the reading, as well as the corresponding line number and station position. The EDA offers the following advantages over other magnetometers (i.e. Geometrics G-816 and G-856):

a) It is a true gradiometer in that it energizes both sensors simultaneously. Other instruments energize their sensors consecutively. This makes the readings subject to error introduced by slight movements of the staff during the reading process.

b) Its high sensitivity, noise rejection, and signal discrimination enable a small (0.5 meter) sensor separation (other instruments use a separation of several feet). In the gradient mode, this allows optimum rejection of temporal fluctuations and regional effects. It also provides maximum sensitivity to near surface (upper 10 - 20 ft.) sources, and optimum spatial resolution.

1.2.3 Data Acquisition

Prior to data acquisition, the magnetometer will undergo our standard functional check procedures to ensure that the instrument is operating correctly (see Section 1.5). Our data acquisition procedure will be to simultaneously obtain both total field and vertical gradient magnetic data at predetermined intervals over the areas of interest. These intervals will be 5 to 10 feet. The magnetometer will be programmed with the necessary horizontal control information so that data points will be referenced to the correct northing and easting coordinates, At each measurement point, the magnetometer sensor will be oriented to the appropriate northing direction as specified by the manufacturer. During data acquisition, measures will be taken to mitigate excessive interference by avoiding possible sources such as fences, power lines, vehicles, etc. The locations of sources that cannot be avoided will be documented in a field notebook for subsequent reference. Their impace on data quality and representativeness will be evaluated by our registered geophysicist.

1.2.4 Data Analysis

At the end of each field-day, we will download the MAG data to a portable computer. The data will be backed up on a floppy disk and printed out in hard copy form. Upon completion of the survey, we will collate and contour the data using commercially available computer contouring software. The entire set of MAG data will be collated and contoured to produce both total field and vertical gradient contour maps. We will then interpret these maps to determine the locations of significant quantities of buried metal such as tanks, pipelines, and the lateral extent of debris areas.

At the completion of the field work, the entire set of MAG data will be collated and contoured to produce both total field and vertical gradient contour maps. We will then interpret these maps to determine the locations of significant quantities of buried metal such as tanks, pipelines, and debris.

1.3 Electromagnetic Survey

Electrical conductivity is the ease with which electrical current flows through a volume of material. The electrical conductivity of the earth is governed by physical properties such as porosity, texture, mineralogy, and moisture content. It is also affected by the presence of buried metal. Coarse grained materials such as sands, gravels and fill are typically less conductive than clays. Metal typically increases the overall conductivity of the material that it is buried within.

1.3.1 Methodology

The electrical conductivity of the earth can be measured without direct ground contact through electromagnetic induction (EM). When a transmitting coil placed above the surface is energized with an alternating current at an audio frequency, it gives rise to a time varying (primary) magnetic field. This primary field induces very small electrical currents in the earth. These currents create a secondary magnetic field which, together with the primary field, is sensed by a receiving coil placed above the surface a short distance from the transmitting coil. The ratio of the secondary to the primary magnetic field is linearly proportional to the electrical conductivity of the subsurface.

The received signal is complex and has two components. One is the quadrature component which is directly proportional to conductivity. The other is the in-phase component which is also proportional to conductivity but is more sensitive to buried metal. The instrumentation analyzes the received signal and provides a direct read-out of the quadrature and in-phase values. The quadrature component is displayed in conductivity units of milliSiemans/meter (Ms/m). Since this value represents the conductivity of the volume of earth sampled, rather than the conductivity of a single layer, it is an apparent value and is referred to as terrain conductivity (TC). The in-phase (IP) value indicates the amount of in-phase component in the induced (secondary) magnetic field and is presented in parts per thousand (ppt).

1.3.2 Instrumentation

We will gather EM data using a Geonics Ltd. EM-31DL ground conductivity meter. The transmitting and receiving coils on this instrument are mounted at the ends of 4 ft. long tubes that project horizontally from either end of the instrumentation console. The 8 ft. coil separation results in a depth of penetration of approximately 15 to 18 feet.

We will use an OMNIDATA data logger to record both quadrature and in-phase data at each measurement station. We will also record the station coordinates, and field notes regarding pertinent surface features and points of reference.

1.3.3 Data Acquisition

Prior to data acquisition, the electromagnetic conductivity meter will undergo our standard functional check procedures to ensure that the instrument is operating correctly (see Section 1.5). Our data acquisition procedure will be to obtain terrain

conductivity data at predetermined intervals over the areas of interest. These intervals will be 5 to 10 feet. The instrument will be programmed with the necessary horizontal control information so that data points will be referenced to the correct northing and easting coordinates. During data acquisition, measures will be taken to mitigate excessive interference by avoiding possible sources such as fences, power lines, vehicles, etc. The locations of sources that cannot be avoided will be documented in a field notebook for subsequent reference. Their impact on data quality and representativeness will be evaluated by our registered geophysicist.

1.3.4 Data Analysis

At the end of each field-day, we will download the TC data to a portable computer. Software contained in the data logger automatically reduces the instrument response to units of conductivity in milliSiemans per meter (quadrature) and parts per thousand (in-phase). It also corrects the values for variations in sensitivity that occur in areas of high conductivity. The data will be backed up on a floppy disk and will be printed out in hard copy form. Upon completion of the survey, we will collate and contour the data using commercially available computer contouring software to produce both quadrature and in-phase contour maps. We will then interpret these maps to determine the boundaries of buried trenches or other disposal areas. The in-phase contours will be compared with the MAG contours (see above) to determine the most likely locations of significant quantities of buried metal such as tanks, pipelines, and debris.

At the completion of the field work, the total set of EM data will be collated and contoured to produce terrain conductivity contour maps. We will then interpret these maps to determine the boundaries of buried debris and other foreign materials.

1.4 Ground Penetrating Radar

Ground penetrating radar (GPR) is a method that provides a continuous, high resolution cross-section depicting variations in the electrical properties of the shallow subsurface. It is particularly sensitive to variations in electrical conductivity and electrical permittivity (the ability of a material to hold a charge when an electrical field is applied). GPR is useful for locating buried objects, determining the sources of MAG and EM anomalies, and delineating the boundaries between fill and native soil.

1.4.1 Methodology

In operation, GPR systems continuously radiate an electromagnetic pulse into the ground from a transducer (antenna) as it is moved along a traverse. Since most earth materials are transparent to electromagnetic energy, only a portion of the radar signal is reflected back to the surface from interfaces representing variations in electrical properties. The reflected signals are received by the same transducer and are printed by a graphical recorder in real time. Generally, relatively high electrical conductivities reduce the penetration capability and limit radar performance.

1.4.2 Instrumentation

For this investigation we will use a GSSI SIR-3 ground penetrating radar system equipped with a 500 MHz and a 120 MHz antenna. In most areas, we will rely on the 500 MHz antenna because of its high resolution capabilities. The 120 MHz antenna will be reserved for applications requiring the maximum depth of penetration. The instrumental operating parameters will be selected to suit the specific site conditions and data requirements. The parameters will be documented in a field notebook.

1.4.3 Data Acquisition

Prior to data acquisition, the ground penetrating radar system will undergo our standard functional checks to ensure that the system is operating properly (see Section 1.5). For data acquisition, the GPR system will be operated continuously along predetermined traverses at each site of investigation. Separation of the traverses will be 5 to 10 feet or as access allows. We record the data in real time on hard copy charts (profiles). The GPR antenna will be manually towed along each traverse at a slow walking speed for optimum resolution. Each profile will be annotated with necessary information such as line designation, line direction instrument settings, and horizontal control information. Marks annotated on the profiles with an electronic fiducial marker indicate distances along each profile. Notes will be taken regarding the location of each profile and any nearby cultural features.

1.4.4 Data Analysis

The GPR profiles will be examined for reflection patterns characteristic of buried objects or changes in subsurface conditions. The lateral extent and depth of these features will be determined by scaling off of the profiles and plotted at the appropriate scale on a site plan.

1.5 Equipment Functional Checks

All geophysical equipment will be maintained and operated in accordance with the instrument manufacturers guidelines. We will perform both lateral and external system function tests prior to start of daily field activities. Each instrument includes internal functional checks to evaluate equipment performance. The external tests will involve taking measurements under controlled conditions at a test site where objects of known composition and dimensions are buried at known depths. These tests are described in the following paragraphs.

1.5.1 Internal Function Tests

Internal function tests will be performed on each instrument at the beginning of each field day. The internal function tests for the magnetometer, electromagnetic conductivity meter, and ground penetrating radar systems are described below:

1.5.1.1 EDA Omni IV Tie-line Magnetometer

The internal function test for the EDA OMNI IV consists of three separate tests. These are the Total Field Test, the Error Calculation Test, and the Software Diagnostics test.

a) Total Field Test:

1) Set the mode selector to TEST and press READ key.

2) The OMNI IV will take a synthetic reading and complete a total field test; the display should read 5636.7

b) Error Calculation Test:

1) Set MODE selector to TEST

2) Press ERROR key once, the display must read .00 GAMMA

3) Press the GRAD key once, press ERROR key once, display must read .00 GAMMA GRAD

c) Software Diagnostics Test:

1) Set MODE selector to DUMP

2) Press the READ key, the display should read 065nnn, where nnn is the serial number of the instrument.

1.5.1.2 Geonics EM-31 Ground Conductivity Meter

The internal function tests for the EM-31 check the phase and sensitivity of the instrument.

a) Phase Check

1) Set the RANGE switch to the 30 milliSiemans/meter (mS/m) positions.

2) Set the MODE switch to the COMP position, and adjust meter reading to zero using the COARSE and FINE COMPENSATION controls.

3) Set the MODE switch to the PHASE position, note the meter reading, rotate the COARSE control one step clockwise, the meter reading should remain the same.

d) Sensitivity Check

1) Set the MODE switch to the COMP position and rotate the COARSE control clockwise one step.

2) The meter should read between 75% and 85% of full scale.

1.5.1.3 GSSI SIR-3 Ground Penetrating Radar

The internal function test for the SIR-3 checks the timing circuitry by printing calibration pulses at 25 nanosecond intervals.

a) Set the calibrate switch to the forward position (towards the paper);

b) set the time adjust knob to 25 and the range switch to X1;

c) set the "print/stdby/off" switch to the print position and allow the instrument to print for five seconds;

d) rotate the time adjust knob to 50 for five seconds, to 75 for five seconds, and finally to 100 for five seconds;

e) check that the distance between timing bands on the printed chart decrease proportionally to the time difference for each setting of the time adjust knob.

1.5.2 External Function Tests

A geophysical test site will be established at a location where object(s) of known composition and dimensions are buried at known location and depth. At this site, we will establish a measurement grid over the object(s) location. The measurement stations will be monumented so that data can be collected at the same stations. Prior to initiating each day's survey, we will obtain measurements using each of the instruments to be used in the field survey. Our procedures, measurement parameters, and results will be documented in a field logbook. The measurements will be reviewed to verify the proper functioning of the equipment.

1.6 Software Function

NORCAL will grid and contour the magnetometer and ground conductivity data using the software package SURFER by Golden Software. This package contains a demonstration data set that will be used to verify the operating function of the software. Our procedure will be to grid and contour the demonstration data set and compare the results to those published in the operating manual. If the data sets compare favorably, the software is functioning properly.

1.7 Reports

1.7.1 Field Logbook

During data acquisition, we will maintain a detailed log of our geophysical activities. The log will include the type of geophysical survey, the date and time of data acquisition, the weather conditions, and equipment test calibration information. Any deviation from the planned survey will be recorded. This may include relocation of traverses due to cultural interference, or suspension of activities due to inclement weather, electrical interference, or magnetic storms.

1.7.2 Summary Report

We will submit our final results in a summary report. The summary report will include the following items:

a) a narrative description of the methodology for data analysis and processing equipment operation and survey results,

b) contour maps showing the distribution of MAG and EM values within the areas surveyed,

c) GPR anomaly maps showing the interpreted locations of fill boundaries and buried objects,

d) appendices containing tabulated lists of the MAG and EM data.

The GPR records will be kept on file in our Petaluma office and will be made available upon request. The summary report will be reviewed and approved by a registered geophysicist before submission.

NORCAL

Appendix B

METHODOLOGY

Magnetic (MAG)

Magnetometers measure variations in the earth's magnetic field. These may include the total intensity of the field and/or its vertical or horizontal gradient. Measurements of the vertical magnetic gradient (VMG) are commonly used in environmental surveys because they provide better discrimination of closely spaced buried objects than total field measurements.

A magnetic gradiometer measures the vertical gradient of the earth's magnetic field. It consists of two total field magnetic sensors separated vertically by one-half meter. The magnetic field strength is measured simultaneously at both of these sensors. The difference in magnetic intensity between these measurements is proportional to the vertical gradient of the earth's magnetic field. Because the vertical gradient is constant with respect to time, it is immune to diurnal variations. Because the sensors are closely spaced, the gradient is affected primarily by near-field sources. Therefore, gradiometers provide better resolution of buried objects than magnetometers that measure only the total field.

Areas with significant amounts of buried metal typically produce anomalously steep magnetic gradients. These gradients can be positive or negative depending on the size, shape, distance to sensor, or magnetization of the source. Objects that form magnetic dipoles can produce both positive and negative values. Since all magnetometers are sensitive to ferrous metal sources both above and below ground, site and vicinity surface conditions can effect survey results.

We used an EDA OMNI IV tie-line magnetometer to obtain both the vertical magnetic gradient and total field (TFM) data. This instrument features a built-in memory that stores the vertical magnetic gradient data (in gammas/meter), total field magnetic data (in gammas), and survey grid information. The information can be down loaded to a computer for further processing.

Electromagnetic Induction (EM)

The electromagnetic method is used to measure variations in subsurface electrical conductivity. The electromagnetic system utilizes two coils separated by a specified distance. One of these coils transmits a time-varying electromagnetic signal (primary magnetic field) which induces current flow in the earth. This in turn creates a secondary magnetic field which is detected by the receiver coil. The secondary signal is complex and has both quadrature and in-phase components. The amplitude of the quadrature component is proportional to the electrical conductivity of the subsurface materials. The in-phase component is proportional to conductivity, but is also affected by magnetic properties. The instrument displays the quadrature component in units of milliSiemens/meter (mS/m). Since this measurement represents the conductivity of the volume of material sampled, rather than individual layers, it is an apparent value and is referred to as terrain conductivity (TC). The instrument displays the in-phase (IP) value, which is a ratio, in units of parts per thousand (ppt).

Our instrumentation consisted of a Geonics EM31-DL ground conductivity

meter connected to an Omnidata data recorder. The EM31 has a fixed coil separation of 12 feet. This results in a total depth of investigation of approximately 15 feet, depending upon local site conditions. The data recorder automatically stores terrain conductivity values in memory at preselected intervals. The data recorder also stores station locations and annotations regarding cultural features.

Ground Penetrating Radar (GPR)

Ground penetrating radar is a method that provides a continuous, high resolution cross-section depicting variations in the electrical properties of the shallow subsurface. The method is particularly sensitive to variations in electrical conductivity and electrical permittivity (the ability of a material to hold a charge when an electrical field is applied).

The system operates by continuously radiating an electromagnetic pulse into the ground from a transducer (antenna) as it is moved along a traverse. Since most earth materials are transparent to electromagnetic energy, only a portion of the radar signal is reflected back to the surface from interfaces representing variations in electrical properties. When the signal encounters a metal object, however, all of the incident energy is reflected. The reflected signals are received by the same transducer and are printed in cross-section form on a graphical recorder. Depending upon depth and/or thickness the resulting records can provide information regarding the location of disposal trenches and buried debris. Generally, reinforcing steel (rebar) and electrically conductive materials such as saturated clay can reduce the

penetration capability and limit radar performance.

For this investigation we used a Geophysical Survey Systems, Inc. SIR-3 Subsurface Interface Radar System equipped with a 300 and 500 megahertz (MHz) antenna. These antennae are near the center of the available frequency range and provide high resolution at shallow depths.

NORCAL

Appendix C

RAW MAG AND EM TEST DATA

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
& GRADIENT
Date: 7 NOV 94
Operator: 5222
Reference field: 50000.0
Datum subtracted: 0.0
Records: 13
Bat: 16.1 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/07 15:48:04

Line: 1 Date: 7 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	51785.8	.08	0.0	15:39:11	88
	298.7				
5	51728.9	.07	0.0	15:39:49	88
	243.6				
10	51621.8	.06	0.0	15:39:58	88
	186.7				
15	51543.2	.06	0.0	15:40:10	88
	153.5				
20	51460.7	.06	0.0	15:40:19	88
	129.0				
25	51414.7	.06	0.0	15:40:27	88
	121.9				
30	51360.3	.06	0.0	15:40:36	88
	110.0				
35	51328.9	.06	0.0	15:40:43	88
	103.3				
40	51286.6	.05	0.0	15:40:51	88
	93.2				
45	51250.4	.07	0.0	15:41:00	88
	87.7				
50	51230.5	.10	0.0	15:41:09	88
	87.6				
55	51198.0	.05	0.0	15:41:19	88
	79.3				
60	51155.0	.05	0.0	15:41:29	88
	69.0				

EOF

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
% GRADIENT
Date: 10 NOV 94
Operator: 5444
Reference field: 50000.0
Datum subtracted: 0.0
Records: 13
Bat: 15.9 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/10 10:01:35

Line: 1 Date: 10 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	51804.6	.07	0.0	9:55:35	88
	306.3				
5	51685.5	.05	0.0	9:56:36	88
	214.2				
10	51629.4	.05	0.0	9:56:45	88
	187.5				
15	51517.4	.05	0.0	9:56:53	88
	143.1				
20	51466.5	.06	0.0	9:57:02	88
	127.4				
25	51391.3	.05	0.0	9:57:10	88
	110.4				
30	51370.6	.05	0.0	9:57:19	88
	109.4				
35	51310.8	.06	0.0	9:57:27	88
	97.0				
40	51274.8	.04	0.0	9:57:36	88
	87.9				
45	51250.5	.04	0.0	9:57:45	88
	83.7				
50	51217.9	.04	0.0	9:57:53	88
	82.9				
55	51176.1	.05	0.0	9:58:03	88
	70.8				
60	51164.9	.05	0.0	9:58:11	88
	67.3				

EOF

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
& GRADIENT
Date: 14 NOV 94
Operator: 5444
Reference field: 50000.0
Datum subtracted: 0.0
Records: 13
Bat: 16.6 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/14 9:54:25

Line: 1 Date: 14 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	51786.5	.09	0.0	9:42:29	88
	295.8				
5	51690.0	.05	0.0	9:43:02	88
	220.6				
10	51605.6	.07	0.0	9:43:10	88
	179.5				
15	51528.5	.06	0.0	9:43:19	88
	144.6				
20	51462.7	.05	0.0	9:43:27	88
	125.0				
25	51399.6	.05	0.0	9:43:35	88
	112.6				
30	51359.4	.06	0.0	9:43:44	88
	108.9				
35	51314.0	.07	0.0	9:43:52	88
	94.8				
40	51281.5	.06	0.0	9:44:02	88
	84.8				
45	51241.4	.05	0.0	9:44:10	88
	84.8				
50	51226.0	.06	0.0	9:44:18	88
	84.9				
55	51200.8	.06	0.0	9:44:27	88
	76.1				
60	51156.2	.04	0.0	9:44:36	88
	68.2				

EOF

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
% GRADIENT
Date: 16 NOV 94
Operator: 5222
Reference field: 50000.0
Datum subtracted: 0.0
Records: 13
Bat: 16.2 Volt Lithium: 3.54 Volt
Last time update: 6/10 17:26:00
Start of print: 11/16 9:56:12

Line: 1 Date: 16 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	51800.5	.08	0.0	9:48:43	88
	302.2				
5	51699.9	.06	0.0	9:49:34	88
	234.0				
10	51618.9	.06	0.0	9:49:41	88
	188.4				
15	51507.2	.05	0.0	9:49:48	88
	142.0				
20	51452.5	.07	0.0	9:49:54	88
	131.1				
25	51386.5	.07	0.0	9:50:00	88
	111.1				
30	51364.5	.05	0.0	9:50:07	88
	115.4				
35	51317.6	.05	0.0	9:50:13	88
	99.1				
40	51276.2	.05	0.0	9:50:20	88
	91.2				
45	51239.4	.05	0.0	9:50:28	88
	85.8				
50	51221.7	.05	0.0	9:50:34	88
	87.2				
55	51179.6	.05	0.0	9:50:41	88
	74.1				
60	51136.4	.05	0.0	9:50:47	88
	70.4				

EOF

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
% GRADIENT
Date: 17 NOV 94
Operator: 5444
Reference field: 50000.0
Datum subtracted: 0.0
Records: 13
Bat: 16.2 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/17 9:40:44

Line:	1	Date: 17 NOV 94			#1
POSITION	FIELD	ERR	DRIFT	TIME	DS
0	51802.8	.07	0.0	9:31:16	88
	304.2				
5	51715.8	.22	0.0	9:31:49	88
	224.2				
10	51616.9	.08	0.0	9:31:58	88
	181.1				
15	51533.9	.05	0.0	9:32:07	88
	148.5				
20	51471.4	.06	0.0	9:32:15	88
	129.7				
25	51403.5	.07	0.0	9:32:23	88
	114.5				
30	51369.1	.05	0.0	9:32:31	88
	113.6				
35	51327.2	.05	0.0	9:32:39	88
	98.3				
40	51281.4	.05	0.0	9:32:46	88
	91.2				
45	51244.4	.06	0.0	9:32:54	88
	87.8				
50	51215.2	.06	0.0	9:33:01	88
	83.2				
55	51193.2	.08	0.0	9:33:09	88
	73.9				
60	51176.5	.05	0.0	9:33:17	88
	68.3				

EOF

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
& GRADIENT
Date: 18 NOV 94
Operator: 5222
Reference field: 50000.0
Datum subtracted: 0.0
Records: 13
Bat: 16.1 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/18 12:49:30

Line: 1 Date: 18 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	51776.8	.08	0.0	12:43:42	88
	300.1				
5	51784.5	.12	0.0	12:44:15	88
	263.2				
10	51666.9	.14	0.0	12:44:23	88
	200.5				
15	51551.9	.05	0.0	12:44:30	88
	158.4				
20	51495.5	.07	0.0	12:44:36	88
	141.8				
25	51421.8	.05	0.0	12:44:43	88
	124.8				
30	51409.8	.06	0.0	12:44:50	88
	124.0				
35	51314.7	.05	0.0	12:44:57	88
	102.7				
40	51286.3	.06	0.0	12:45:03	88
	96.1				
45	51251.8	.06	0.0	12:45:10	88
	92.0				
50	51246.9	.07	0.0	12:45:18	88
	94.7				
55	51183.7	.07	0.0	12:45:24	88
	75.7				
60	51158.0	.05	0.0	12:45:31	88
	69.2				

EOF

SM-31 RAW TEST DATA

7 NOV 94

1	0	88.6
1	5	88.4
1	10	87.4
1	15	84.8
1	20	80.8
1	25	78.4
1	30	74.8
1	35	70.8
1	40	69
1	45	66.39999
1	50	63.8
1	55	62.4
1	60	61
1	65	0

10 NOV 94

1	0	83.4
1	5	84.84
1	10	83.22
1	15	80.64
1	20	78
1	25	75.3
1	30	70.62
1	35	68.1
1	40	65.34
1	45	63.9
1	50	60.96
1	55	60.3
1	60	57.12

14 NOV 94

1	0	81.9
1	5	81.78
1	10	79.68
1	15	77.94
1	20	74.46
1	25	72.42
1	30	68.58
1	35	66.36
1	40	63.66
1	45	61.8
1	50	59.04
1	55	57.54
1	60	56.52

EM-31 RAW TEST DATA

16 NOV 94

1	0	80.6
1	5	81
1	10	79.4
1	15	77.20001
1	20	74.6
1	25	72
1	30	68.6
1	35	66.2
1	40	63.6
1	45	61.2
1	50	59
1	55	57.20001
1	60	55.8

17 NOV 94

1	0	83
1	5	83.8
1	10	81.8
1	15	78.4
1	20	77.20001
1	25	74.2
1	30	71.20001
1	35	68.6
1	40	66.39999
1	45	63.8
1	50	62
1	55	59.8
1	60	58

18 NOV 94

1	0	85.8
1	5	85
1	10	82.6
1	15	81.2
1	20	79.2
1	25	76.6
1	30	73.4
1	35	70.8
1	40	67.4
1	45	65.20001
1	50	63
1	55	61.2
1	60	59.2

NORCAL

Appendix D

RAW MAG DATA

NORCAL

OU-1 Southwest Disposal Area

```
DA  OMNI-IV  Tie-line  MAG  Ser #255150
OTAL FIELD DATA (uncorrected)
  RADIENT
: e: 10 NOV 94
perator:  5444
: erence  field: 50000.0
: um subtracted:     0.0
ecords:  103
e+:  15.9 Volt    Lithium:  3.52 Volt
: t time update:  6/10 17:26:00
tart  of  print: 11/10 11:43:22


 e:       0      Date: 10 NOV 94      #1
OSITION  FIELD   ERR    DRIFT    TIME    DS
   60   50729.8  .09      0.0  10:32:10  88
         -229.9
   70   50764.9  .08      0.0  10:33:05  88
         -213.2
   80   50777.2  .07      0.0  10:33:15  88
         -215.1
   90   50610.2  .10      0.0  10:33:25  88
         -304.9
  100   50597.6  .14      0.0  10:33:35  88
         -360.5
  110   51199.5  .89      0.0  10:33:46  88
         -934.7

ine:      10      Date: 10 NOV 94      #7
 ITION   FIELD   ERR    DRIFT    TIME    DS
  110   50874.3  1.0      0.0  10:34:02  88
         -703.5
  100   50623.1  .08      0.0  10:34:23  88
         -245.2
   90   50651.5  .06      0.0  10:34:33  88
         -109.3
   80   50714.5  .06      0.0  10:34:45  88
          -67.2
   70   50731.9  .05      0.0  10:34:56  88
          -45.8
   60   50725.4  .06      0.0  10:35:09  88
          -48.4
   50   50710.3  .06      0.0  10:35:20  88
          -58.1
   40   50723.1  .06      0.0  10:35:32  88
          -67.3
   30   50730.2  .05      0.0  10:35:44  88
          -84.7
   20   50730.2  .06      0.0  10:35:57  88
         -129.8
   10   50777.2  .07      0.0  10:36:10  88
         -203.0

 ie:      20      Date: 10 NOV 94     #18
OSITION  FIELD   ERR    DRIFT    TIME    DS
   10   50737.6  .06      0.0  10:36:53  88
```

20	50777.1	.05	0.0	10:37:13	88
	-30.3				
30	50768.9	.04	0.0	10:37:31	88
	-36.3				
40	50769.1	.05	0.0	10:37:47	88
	-22.1				
50	50766.3	.05	0.0	10:37:58	88
	-21.3				
60	50767.5	.05	0.0	10:38:08	88
	-21.8				
70	50756.7	.04	0.0	10:38:20	88
	-28.4				
80	50724.5	.05	0.0	10:38:30	88
	-46.0				
90	50675.8	.06	0.0	10:38:41	88
	-85.1				
100	50628.3	.08	0.0	10:38:52	88
	-228.8				
110	50839.6	2.0	0.0	10:40:16	58
	-738.2				

Line: 30 Date: 10 NOV 94 #29

POSITION	FIELD	ERR	DRIFT	TIME	DS
110	50882.3	1.9	0.0	10:40:57	58
	-627.9				
100	50646.8	.07	0.0	10:41:25	88
	-168.3				
90	50687.4	.07	0.0	10:41:40	88
	-70.5				
80	50730.5	.05	0.0	10:41:53	88
	-41.4				
70	50759.7	.07	0.0	10:42:03	88
	-25.7				
60	50771.8	.08	0.0	10:42:13	88
	-20.2				
50	50782.0	.05	0.0	10:42:23	88
	-18.6				
40	50785.6	.05	0.0	10:42:34	88
	-17.8				
30	50782.4	.05	0.0	10:42:44	88
	-29.3				
20	50815.8	.05	0.0	10:42:53	88
	2.2				
10	50752.7	.05	0.0	10:43:04	88
	-40.3				

Line: 40 Date: 10 NOV 94 #40

POSITION	FIELD	ERR	DRIFT	TIME	DS
10	50761.1	.05	0.0	10:43:36	88
	-38.4				
20	50818.6	.05	0.0	10:43:55	88
	-0.3				
30	50795.2	.05	0.0	10:44:07	88
	-22.0				
40	50789.7	.04	0.0	10:44:18	88
	-19.6				
50	50780.4	.05	0.0	10:44:28	88
	-19.9				
60	50763.0	.05	0.0	10:44:39	88
	-22.3				
70	50737.7	.05	0.0	10:44:49	88
	-28.8				
80	50707.7	.05	0.0	10:45:01	88
	-40.9				
90	50670.0	.05	0.0	10:45:12	88

100	50675.5	.07	0.0	10:45:43	88
	-156.3				

Line: 50 Date: 10 NOV 94 #50

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50655.4	.07	0.0	10:46:06	88
	-140.6				
90	50622.4	.06	0.0	10:46:25	88
	-68.3				
80	50653.6	.06	0.0	10:46:36	88
	-48.4				
70	50691.8	.05	0.0	10:46:48	88
	-38.8				
60	50734.4	.06	0.0	10:46:58	88
	-33.8				
50	50765.4	.05	0.0	10:47:10	88
	-26.9				
40	50781.0	.05	0.0	10:47:23	88
	-25.2				
30	50785.4	.05	0.0	10:47:38	88
	-25.6				
20	50778.9	.05	0.0	10:47:48	88
	-30.3				
10	50718.9	.06	0.0	10:48:00	88
	-61.7				

Line: 60 Date: 10 NOV 94 #60

POSITION	FIELD	ERR	DRIFT	TIME	DS
10	50801.8	.06	0.0	10:48:25	88
	-82.2				
20	50779.2	.05	0.0	10:48:45	88
	-73.0				
30	50772.8	.04	0.0	10:48:56	88
	-39.2				
40	50771.9	.05	0.0	10:49:07	88
	-35.0				
50	50739.8	.05	0.0	10:49:17	88
	-44.2				
60	50679.5	.06	0.0	10:49:27	88
	-49.7				
70	50587.2	.06	0.0	10:49:52	88
	-65.9				
80	50533.4	.06	0.0	10:50:03	88
	-68.5				
90	50508.5	.06	0.0	10:50:14	88
	-79.7				
100	50551.1	.06	0.0	10:50:24	88
	-145.8				
110	50724.4	1.4	0.0	10:50:36	78
	-340.1				

Line: 70 Date: 10 NOV 94 #71

POSITION	FIELD	ERR	DRIFT	TIME	DS
110	50639.4	.22	0.0	10:50:49	78
	-357.6				
100	50370.6	.05	0.0	10:51:05	88
	-170.9				
90	50239.1	.06	0.0	10:51:15	88
	-137.8				
80	50250.2	.06	0.0	10:51:26	88
	-167.5				
70	50382.5	.06	0.0	10:51:36	88
	-202.7				
60	50591.2	.07	0.0	10:51:47	88
	-165.9				

	-108.8				
40	50760.8	.06	0.0	10:52:08	88
	-68.7				
30	50760.3	.06	0.0	10:52:18	88
	-82.3				
20	50932.7	.06	0.0	10:52:30	88
	-56.7				

Line: 80, Date: 10 NOV 94 #81

POSITION	FIELD	ERR	DRIFT	TIME	DS
10	50736.4	.06	0.0	10:53:21	88
	-115.6				
20	50957.9	.07	0.0	10:53:45	88
	173.5				
30	50769.8	.07	0.0	10:53:55	88
	-109.7				
40	50787.2	.07	0.0	10:54:05	88
	-129.5				
50	50897.1	.10	0.0	10:54:15	88
	-320.6				

Line: 90 Date: 10 NOV 94 #86

POSITION	FIELD	ERR	DRIFT	TIME	DS
50	51437.4	3.1	0.0	10:54:51	58
	-617.7				
40	50840.8	.08	0.0	10:55:21	88
	-195.9				
30	50772.2	.06	0.0	10:55:31	88
	-96.4				
20	50702.0	.07	0.0	10:55:42	88
	-65.0				
10	50563.5	.07	0.0	10:55:54	88
	-109.4				

Line: 100 Date: 10 NOV 94 #91

POSITION	FIELD	ERR	DRIFT	TIME	DS
10	50347.4	.17	0.0	10:56:23	78
	-339.4				
20	50640.6	.05	0.0	10:56:50	88
	-76.4				
30	50789.9	.06	0.0	10:57:01	88
	-115.6				
40	50890.6	.12	0.0	10:57:11	88
	-327.5				
50	51951.7	10.	0.0	10:57:30	48
	-676.3				

Line: 110 Date: 10 NOV 94 #96

POSITION	FIELD	ERR	DRIFT	TIME	DS
40	51351.7	.17	0.0	10:57:48	88
	-240.4				
30	50815.2	.07	0.0	10:58:15	88
	-176.5				
20	50682.4	.06	0.0	10:58:29	88
	-83.5				
10	50448.9	.07	0.0	11:00:25	88
	-126.8				

Line: 120 Date: 10 NOV 94 #100

POSITION	FIELD	ERR	DRIFT	TIME	DS
10	50701.7	.05	0.0	11:00:39	88
	72.5				
20	50859.4	.08	0.0	11:00:55	88
	-229.4				
30	50884.0	.23	0.0	11:01:04	78

40	51635.7	2.1	0.0	11:01:16	48
	-553.3				

EOF

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
& GRADIENT
Date: 18 NOV 94
Operator: 5222
Reference field: 50000.0
Datum subtracted: 0.0
Records: 60
Bat: 16.1 Volt Lithium: 3.54 Volt
Last time update: 6/10 17:26:00
Start of print: 11/18 13:08:22

Line: 60 Date: 18 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
20	50792.1	.07	0.0	12:54:17	88
	-64.5				
30	50803.1	.05	0.0	12:55:01	88
	-23.1				
40	50830.0	.04	0.0	12:55:08	88
	-8.6				
50	50848.7	.05	0.0	12:55:16	88
	-5.2				
60	50856.7	.04	0.0	12:55:23	88
	-1.6				
70	50841.8	.05	0.0	12:55:31	88
	-14.6				
80	50829.0	.04	0.0	12:55:38	88
	-21.9				
90	50812.6	.05	0.0	12:55:46	88
	-33.5				
100	50810.5	.06	0.0	12:55:54	88
	-67.8				

Line: 70 Date: 18 NOV 94 #10

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50797.8	.06	0.0	12:56:05	88
	-84.8				
90	50817.0	.05	0.0	12:56:20	88
	-45.5				
80	50830.4	.04	0.0	12:56:27	88
	-29.2				
70	50839.1	.04	0.0	12:56:35	88
	-19.3				
60	50849.2	.04	0.0	12:56:43	88
	-6.0				
50	50837.8	.05	0.0	12:56:52	88
	-8.8				
40	50814.0	.05	0.0	12:56:59	88
	-15.9				
30	50785.7	.07	0.0	12:57:06	88
	-56.9				
20	50916.3	.05	0.0	12:57:13	88
	-58.9				

Line: 80		Date: 18 NOV 94	#19	
POSITION	FIELD	ERR	DRIFT	TIME	DS
20	50981.2	.10	0.0	12:57:24	88
	241.2				
30	50785.6	.06	0.0	12:57:43	88
	-62.2				
40	50806.9	.05	0.0	12:57:49	88
	-18.5				
50	50826.5	.04	0.0	12:57:57	88
	-14.8				
60	50827.9	.05	0.0	12:58:04	88
	-18.6				
70	50826.5	.05	0.0	12:58:11	88
	-27.0				
80	50835.2	.04	0.0	12:58:18	88
	-42.0				
90	50855.2	.06	0.0	12:58:28	88
	-74.2				
100	50839.4	.06	0.0	12:58:39	88
	-148.3				

Line: 90		Date: 18 NOV 94	#28	
POSITION	FIELD	ERR	DRIFT	TIME	DS
100	51302.1	.21	0.0	12:58:48	78
	-406.4				
90	50945.0	.07	0.0	12:59:13	88
	-130.4				
80	50823.1	.05	0.0	12:59:20	88
	-58.9				
70	50797.9	.04	0.0	12:59:28	88
	-35.5				
60	50804.2	.04	0.0	12:59:35	88
	-25.3				
50	50807.2	.05	0.0	12:59:42	88
	-21.6				
40	50798.7	.05	0.0	12:59:50	88
	-18.4				
30	50767.9	.05	0.0	12:59:57	88
	-26.8				
20	50703.9	.05	0.0	13:00:05	88
	-34.2				

Line: 100		Date: 18 NOV 94	#37	
POSITION	FIELD	ERR	DRIFT	TIME	DS
20	50663.9	.05	0.0	13:00:14	88
	-27.4				
30	50769.5	.05	0.0	13:00:29	88
	-20.5				
40	50787.0	.05	0.0	13:00:36	88
	-31.9				
50	50782.6	.05	0.0	13:00:43	88
	-37.9				
60	50765.8	.05	0.0	13:00:52	88
	-39.6				
70	50745.3	.05	0.0	13:01:00	88
	-51.5				
80	50773.6	.06	0.0	13:01:09	88
	-91.3				
90	50993.7	.09	0.0	13:01:17	88
	-259.3				

Line: 110		Date: 18 NOV 94	#45	
POSITION	FIELD	ERR	DRIFT	TIME	DS
90	50588.1	.10	0.0	13:01:29	88
	-265.9				

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          -135.4
     70   50641.2 .06      0.0 13:01:53 88
          -106.3
     60   50701.7 .06      0.0 13:02:00 88
           -94.2
     50   50753.4 .07      0.0 13:02:08 88
          -105.4
     40   50762.6 .07      0.0 13:02:16 88
           -97.8
     30   50741.5 .06      0.0 13:02:23 88
           -68.5
     20   50690.8 .05      0.0 13:02:30 88
           -46.4

Line:     120      Date: 18 NOV 94     #53
POSITION   FIELD   ERR    DRIFT    TIME    DS
     20   50803.1 .08      0.0 13:02:39 88
          -165.8
     30   50784.7 .08      0.0 13:02:54 88
          -226.2
     40   50876.3 .14      0.0 13:03:01 88
          -340.7
     50   50855.4 .11      0.0 13:03:09 88
          -322.4
     60   50679.4 .08      0.0 13:03:17 88
          -228.6
     70   50591.1 .09      0.0 13:03:26 88
          -241.6
     80   50501.9 .11      0.0 13:03:33 88
          -285.9
     90   50393.4 .19      0.0 13:03:41 78
          -482.8


EOF
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NORCAL

OU-5 Landfill Disposal Unit #2
and
OU-1 DOE Disposal Box Area

EDA OMNI-IV' Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
& GRADIENT
Date: 14 NOV 94
Operator: 5444
Reference field: 50000.0
Datum subtracted: 0.0
Records: 745
Bat: 15.7 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/14 14:45:12

Line: 345 Date: 14 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
20	50729.4	.09	0.0	11:50:24	88
	-247.6				
25	50591.0	.14	0.0	11:51:10	88
	-308.6				
30	50459.3	.15	0.0	11:51:18	88
	-334.9				
35	50422.8	.22	0.0	11:51:26	78
	-405.1				
40	50442.8	.40	0.0	11:52:13	68
	-543.4				
45	50342.9	.73	0.0	11:52:28	58
	-691.4				
50	50227.1	1.8	0.0	11:52:36	68
	-574.2				
55	50131.3	.59	0.0	11:52:45	68
	-556.1				
60	50175.4	.99	0.0	11:52:52	88
	-399.0				
65	50255.9	.20	0.0	11:53:01	88
	-362.7				
70	50315.6	.10	0.0	11:53:08	88
	-312.9				
75	50365.5	.09	0.0	11:53:18	88
	-301.2				
80	50364.7	.10	0.0	11:53:26	88
	-311.9				
85	50349.9	.11	0.0	11:53:34	88
	-323.4				
90	50331.1	.22	0.0	11:53:41	78
	-383.7				
95	50386.4	.40	0.0	11:53:56	58
	-586.9				
100	50315.6	.92	0.0	11:54:04	88
	-685.3				
105	50190.5	.90	0.0	11:54:13	58
	-705.8				
110	50145.5	.19	0.0	11:54:20	68
	-540.2				
115	50128.1	.19	0.0	11:54:28	78
	-417.6				
120	50172.0	.12	0.0	11:54:36	88
	-344.1				

	-395.0				
130	50201.8	.92	0.0	11:54:53	88
	-462.9				
135	50353.0	.32	0.0	11:55:02	68
	-438.9				
140	50496.0	.48	0.0	11:55:09	78
	-345.5				
145	50627.3	.98	0.0	11:55:17	78
	-348.3				
150	50677.7	.23	0.0	11:55:24	58
	-501.1				
155	50694.4	3.8	0.0	11:55:32	78
	-424.5				
160	50649.4	1.0	0.0	11:55:40	78
	-466.1				
165	50587.9	.11	0.0	11:55:49	88
	-304.3				
170	50377.0	.15	0.0	11:56:14	88
	-327.3				
175	50178.5	.14	0.0	11:56:26	88
	-371.0				
180	49955.0	1.1	0.0	11:56:39	78
	-464.4				
185	49869.4	.30	0.0	11:56:50	68
	-507.9				
190	50038.0	.09	0.0	11:57:00	88
	-323.3				
195	50174.7	.06	0.0	11:57:08	88
	-219.8				
200	50150.8	.07	0.0	11:57:17	88
	-259.6				
205	50078.7	.09	0.0	11:57:26	88
	-275.4				
210	50167.5	.13	0.0	11:57:34	88
	-322.4				
215	50335.2	.83	0.0	11:58:18	88
	-695.1				
220	50081.0	.52	0.0	11:58:27	58
	-671.7				

Line: 350 Date: 14 NOV 94 #42

POSITION	FIELD	ERR	DRIFT	TIME	DS
220	50159.9	.06	0.0	11:58:44	88
	-231.1				
215	50217.6	.06	0.0	11:59:03	88
	-181.8				
210	50225.3	.05	0.0	11:59:11	88
	-124.1				
205	50214.2	.05	0.0	11:59:26	88
	-110.4				
200	50207.7	.05	0.0	11:59:33	88
	-108.4				
195	50177.0	.04	0.0	11:59:41	88
	-115.9				
190	50081.9	.07	0.0	11:59:48	88
	-208.3				
185	50033.5	.07	0.0	11:59:56	88
	-275.9				
180	50179.9	.07	0.0	12:00:12	88
	-186.4				
175	50331.8	.05	0.0	12:00:27	88
	-147.8				
170	50702.3	.05	0.0	12:00:49	88
	22.2				
[illegible]	[illegible]	[illegible]	0.0	12:01:04	88

160	51085.5	.12	0.0	12:01:17	88
	240.9				
155	50993.7	.08	0.0	12:01:25	88
	128.4				
150	50816.0	.06	0.0	12:01:33	88
	8.5				
145	50619.5	.06	0.0	12:01:40	88
	-81.9				
140	50452.1	.06	0.0	12:01:49	88
	-133.6				
135	50321.8	.06	0.0	12:01:57	88
	-193.6				
130	50261.2	.06	0.0	12:02:05	88
	-189.7				
125	50236.8	.06	0.0	12:02:13	88
	-176.1				
120	50234.3	.06	0.0	12:02:21	88
	-163.3				
115	50218.7	.06	0.0	12:02:31	88
	-179.3				
110	50203.9	.06	0.0	12:03:09	88
	-214.7				
105	50189.0	.07	0.0	12:03:16	88
	-268.4				
100	50202.5	.07	0.0	12:03:24	88
	-289.6				
95	50226.6	.06	0.0	12:03:32	88
	-246.6				
90	50275.6	.06	0.0	12:03:40	88
	-190.7				
85	50325.7	.06	0.0	12:03:48	88
	-145.1				
80	50342.4	.07	0.0	12:03:55	88
	-130.7				
75	50343.3	.06	0.0	12:04:03	88
	-132.2				
70	50321.4	.06	0.0	12:04:10	88
	-136.0				
65	50297.9	.07	0.0	12:04:17	88
	-149.2				
60	50278.5	.05	0.0	12:04:25	88
	-171.8				
55	50275.8	.06	0.0	12:04:33	88
	-202.0				
50	50272.7	.07	0.0	12:04:40	88
	-240.8				
45	50299.3	.07	0.0	12:04:48	88
	-263.2				
40	50349.0	.07	0.0	12:04:56	88
	-235.6				
35	50410.1	.06	0.0	12:05:06	88
	-181.9				
30	50470.4	.07	0.0	12:05:14	88
	-156.6				
25	50535.4	.06	0.0	12:05:26	88
	-144.8				
20	50607.7	.07	0.0	12:05:34	88
	-118.5				

Line: 355 Date: 14 NOV 94 #83

POSITION	FIELD	ERR	DRIFT	TIME	DS
20	50604.1	.05	0.0	12:06:16	88
	-69.5				
25	50556.1	.06	0.0	12:07:58	88
	-79.1				

```
                -96.9
  35    50416.0  .07       0.0  12:08:14  88
                -125.4
  40    50362.9  .07       0.0  12:08:21  88
                -161.6
  45    50337.9  .06       0.0  12:08:30  88
                -164.7
  50    50357.7  .05       0.0  12:08:37  88
                -120.3
  55    50364.8  .05       0.0  12:08:44  88
                -98.1
  60    50371.2  .06       0.0  12:08:53  88
                -87.0
  65    50382.3  .05       0.0  12:09:01  88
                -77.3
  70    50394.8  .06       0.0  12:09:08  88
                -71.6
  75    50396.7  .04       0.0  12:09:16  88
                -67.1
  80    50385.9  .05       0.0  12:09:24  88
                -68.0
  85    50348.6  .06       0.0  12:09:32  88
                -70.8
  90    50305.1  .05       0.0  12:09:39  88
                -105.5
  95    50268.5  .06       0.0  12:09:47  88
                -144.2
 100    50252.0  .07       0.0  12:09:55  88
                -161.0
 105    50284.9  .05       0.0  12:10:02  88
                -123.1
 110    50329.1  .05       0.0  12:10:09  88
                -87.1
 115    50362.9  .05       0.0  12:10:18  88
                -59.9
 120    50381.7  .06       0.0  12:10:26  88
                -53.7
 125    50383.2  .04       0.0  12:10:33  88
                -67.5
 130    50386.3  .07       0.0  12:10:41  88
                -94.6
 135    50436.5  .08       0.0  12:10:51  88
                -100.4
 140    50540.1  .06       0.0  12:10:59  88
                -74.7
 145    50713.8  .06       0.0  12:11:07  88
                -20.0
 150    50992.2  .06       0.0  12:11:15  88
                157.1
 155    51221.0  .10       0.0  12:12:04  88
                311.9
 160    51329.3  .21       0.0  12:12:12  78
                402.7
 165    51203.1  .15       0.0  12:12:24  88
                354.2
 170    50936.1  .07       0.0  12:12:36  88
                166.3
 175    50598.7  .06       0.0  12:12:52  88
                 17.4
 180    50420.0  .06       0.0  12:13:10  88
                 47.9
 185    50187.9  .06       0.0  12:13:22  88
                -154.3
 190    50185.5  .05       0.0  12:13:30  88
```

	-75.9				
200	50280.1	.06	0.0	12:13:47	88
	-61.3				
205	50302.1	.05	0.0	12:13:55	88
	-59.0				
210	50314.3	.06	0.0	12:14:02	88
	-62.3				
215	50312.7	.05	0.0	12:14:09	88
	-77.1				
220	50291.1	.05	0.0	12:14:16	88
	-86.4				

Line: 360 Date: 14 NOV 94 #124

POSITION	FIELD	ERR	DRIFT	TIME	DS
220	50390.6	.06	0.0	12:14:47	88
	-39.2				
215	50408.1	.05	0.0	12:15:00	88
	-35.0				
210	50393.3	.05	0.0	12:15:09	88
	-32.3				
205	50372.7	.05	0.0	12:15:25	88
	-33.0				
200	50332.7	.06	0.0	12:16:03	88
	-41.1				
195	50277.8	.06	0.0	12:16:14	88
	-68.7				
190	50237.9	.05	0.0	12:16:23	88
	-120.3				
185	50285.0	.06	0.0	12:16:31	88
	-115.6				
180	50460.6	.05	0.0	12:16:40	88
	25.6				
175	50712.1	.07	0.0	12:16:48	88
	153.4				
170	50935.8	.12	0.0	12:16:57	88
	280.9				
165	51131.5	1.1	0.0	12:17:07	88
	375.5				
160	51202.2	.90	0.0	12:17:16	78
	373.0				
155	51096.5	.09	0.0	12:17:25	88
	294.4				
150	50893.5	.06	0.0	12:17:33	88
	136.3				
145	50663.0	.06	0.0	12:17:41	88
	-27.8				
140	50533.8	.06	0.0	12:17:48	88
	-63.2				
135	50470.0	.06	0.0	12:18:04	88
	-65.6				
130	50467.5	.05	0.0	12:18:12	88
	-48.0				
125	50491.1	.05	0.0	12:18:19	88
	9.5				
120	50489.9	.04	0.0	12:18:27	88
	18.6				
115	50447.7	.04	0.0	12:18:35	88
	-19.2				
110	50402.7	.05	0.0	12:18:42	88
	-45.1				
105	50339.4	.05	0.0	12:18:50	88
	-77.5				
100	50312.1	.06	0.0	12:18:58	88
	-104.5				
95	50318.4	.05	0.0	12:19:04	88

90	50351.0	.05	0.0	12:19:14	88
	-72.1				
85	50395.4	.05	0.0	12:19:22	88
	-55.7				
80	50421.4	.06	0.0	12:19:30	88
	-50.5				
75	50440.3	.05	0.0	12:19:38	88
	-49.5				
70	50447.0	.05	0.0	12:19:46	88
	-51.5				
65	50451.0	.05	0.0	12:19:53	88
	-54.1				
60	50453.8	.05	0.0	12:20:01	88
	-55.8				
55	50450.0	.06	0.0	12:20:09	88
	-60.9				
50	50457.0	.07	0.0	12:20:17	88
	-75.8				
45	50441.6	.07	0.0	12:20:24	88
	-104.0				
40	50460.7	.06	0.0	12:20:32	88
	-106.6				
35	50518.9	.06	0.0	12:20:40	88
	-77.6				
30	50563.3	.06	0.0	12:20:49	88
	-61.6				
25	50602.5	.06	0.0	12:20:59	88
	-53.9				

Line: 365 Date: 14 NOV 94 #164

POSITION	FIELD	ERR	DRIFT	TIME	DS
20	50655.8	.06	0.0	12:21:15	88
	-39.7				
25	50635.1	.06	0.0	12:21:32	88
	-42.6				
30	50615.6	.06	0.0	12:21:40	88
	-47.2				
35	50593.6	.05	0.0	12:21:53	88
	-51.3				
40	50558.8	.06	0.0	12:22:01	88
	-54.9				
45	50538.7	.07	0.0	12:22:08	88
	-56.9				
50	50514.0	.07	0.0	12:22:17	88
	-54.4				
55	50502.3	.05	0.0	12:22:25	88
	-53.2				
60	50496.7	.05	0.0	12:22:32	88
	-53.8				
65	50487.9	.05	0.0	12:22:41	88
	-51.3				
70	50475.4	.05	0.0	12:22:48	88
	-50.0				
75	50451.1	.05	0.0	12:22:56	88
	-50.9				
80	50426.8	.05	0.0	12:23:04	88
	-54.2				
85	50394.0	.06	0.0	12:23:13	88
	-58.8				
90	50359.5	.06	0.0	12:23:20	88
	-69.4				
95	50332.5	.05	0.0	12:23:30	88
	-86.6				
100	50336.1	.05	0.0	12:23:37	88
	-86.5				

	-58.7				
110	50435.5	.05	0.0	12:23:53	88
	-33.8				
115	50484.9	.05	0.0	12:24:01	88
	-9.0				
120	50524.3	.04	0.0	12:24:08	88
	21.3				
125	50516.2	.05	0.0	12:24:16	88
	-0.9				
130	50488.4	.06	0.0	12:24:23	88
	-43.5				
135	50489.6	.06	0.0	12:24:31	88
	-62.8				
140	50526.2	.06	0.0	12:24:39	88
	-67.5				
145	50598.1	.05	0.0	12:24:48	88
	-53.5				
150	50689.8	.06	0.0	12:24:55	88
	-18.9				
155	50812.3	.06	0.0	12:25:03	88
	41.6				
160	50816.1	.06	0.0	12:25:12	88
	49.3				
165	50768.3	.06	0.0	12:25:20	88
	55.1				
170	50635.1	.07	0.0	12:25:28	88
	13.1				
175	50453.3	.08	0.0	12:25:37	88
	-63.5				
180	50326.5	.06	0.0	12:25:45	88
	-116.1				
185	50254.1	.05	0.0	12:25:53	88
	-126.7				
190	50274.7	.05	0.0	12:26:02	88
	-86.7				
195	50338.6	.06	0.0	12:26:11	88
	-45.6				
200	50384.1	.05	0.0	12:26:19	88
	-30.9				
205	50427.7	.06	0.0	12:26:26	88
	-22.8				
210	50450.8	.05	0.0	12:26:36	88
	-21.2				
215	50462.1	.05	0.0	12:26:48	88
	-21.3				
220	50461.8	.05	0.0	12:26:56	88
	-24.9				

Line: 370 Date: 14 NOV 94 #205

POSITION	FIELD	ERR	DRIFT	TIME	DS
340	50415.4	.17	0.0	12:27:36	88
	-259.6				
330	50514.7	.06	0.0	12:29:37	88
	-78.6				
320	50475.5	.05	0.0	12:29:46	88
	-34.0				
310	50450.8	.05	0.0	12:29:57	88
	-23.5				
300	50414.2	.05	0.0	12:30:06	88
	-46.1				
290	50507.2	.05	0.0	12:30:14	88
	-57.4				
280	50712.0	.05	0.0	12:30:24	88
	33.4				
[illegible]	[illegible]	.04	0.0	12:30:32	88

260	50635.1	.05	0.0	12:30:41	88
	-15.9				
250	50575.5	.06	0.0	12:30:50	88
	-17.0				
240	50524.4	.06	0.0	12:30:59	88
	-23.8				
230	50514.0	.06	0.0	12:31:08	88
	-23.5				
220	50533.4	.06	0.0	12:31:17	88
	-15.6				
210	50508.3	.07	0.0	12:31:26	88
	-12.2				
200	50423.8	.07	0.0	12:31:34	88
	-18.9				
190	50294.9	.05	0.0	12:31:43	88
	-56.9				
180	50240.9	.06	0.0	12:31:51	88
	-127.5				
170	50371.3	.06	0.0	12:32:00	88
	-129.6				
160	50527.0	.07	0.0	12:32:09	88
	-97.4				
150	50533.7	.06	0.0	12:35:10	88
	-78.3				
140	50483.6	.08	0.0	12:35:19	88
	-69.6				
130	50480.7	.05	0.0	12:35:28	88
	-49.6				
120	50500.2	.05	0.0	12:35:36	88
	-10.0				
110	50423.7	.07	0.0	12:35:45	88
	-38.1				
100	50327.0	.06	0.0	12:35:54	88
	-94.9				
90	50346.7	.05	0.0	12:36:02	88
	-78.5				
80	50425.6	.06	0.0	12:36:11	88
	-66.9				
70	50499.8	.06	0.0	12:36:20	88
	-55.0				
60	50518.0	.06	0.0	12:36:28	88
	-60.1				
50	50561.8	.06	0.0	12:36:37	88
	-48.8				
40	50631.3	.05	0.0	12:36:46	88
	-31.0				
30	50662.3	.05	0.0	12:36:57	88
	-41.4				
20	50675.2	.06	0.0	12:37:05	88
	-39.3				

Line: 380 Date: 14 NOV 94 #238

POSITION	FIELD	ERR	DRIFT	TIME	DS
20	50710.8	.06	0.0	12:37:18	88
	-65.7				
30	50739.9	.06	0.0	12:37:34	88
	-37.4				
40	50715.6	.05	0.0	12:37:42	88
	22.3				
50	50556.4	.07	0.0	12:37:52	88
	-52.9				
60	50560.3	.06	0.0	12:38:01	88
	-82.4				
70	50622.3	.05	0.0	12:38:11	88
	-7.0				

	-132.9				
90	50266.0	.05	0.0	12:38:31	88
	-150.1				
100	50279.4	.06	0.0	12:38:39	88
	-128.4				
110	50350.4	.07	0.0	12:38:48	88
	-80.5				
120	50431.0	.05	0.0	12:38:57	88
	-46.1				
130	50438.8	.06	0.0	12:39:07	88
	-70.7				
140	50436.4	.07	0.0	12:39:16	88
	-85.6				
150	50410.1	.06	0.0	12:39:24	88
	-106.5				
160	50286.7	.06	0.0	12:39:33	88
	-127.5				
170	50126.6	.06	0.0	12:39:42	88
	-141.5				
180	50117.6	.06	0.0	12:39:51	88
	-96.3				
190	50278.2	.05	0.0	12:40:00	88
	-37.2				
200	50490.8	.04	0.0	12:40:09	88
	-8.1				
210	50639.1	.05	0.0	12:40:18	88
	9.4				
220	50685.6	.05	0.0	12:40:26	88
	21.6				
230	50569.6	.06	0.0	12:40:35	88
	-40.8				
240	50528.7	.06	0.0	12:40:44	88
	-49.1				
250	50616.4	.05	0.0	12:40:54	88
	-23.3				
260	50778.6	.06	0.0	12:41:02	88
	-9.7				
270	51026.4	.08	0.0	12:41:12	88
	86.2				
280	51072.0	.07	0.0	12:41:21	88
	237.2				
290	50488.2	.09	0.0	12:41:30	88
	-123.5				
300	50325.2	.06	0.0	12:41:38	88
	-104.7				
310	50425.8	.06	0.0	12:41:49	88
	-27.9				
320	50448.2	.05	0.0	12:41:58	88
	-24.2				
330	50372.0	.06	0.0	12:42:11	88
	-37.7				

Line: 390 Date: 14 NOV 94 #270

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50422.7	.06	0.0	12:42:22	88
	-32.6				
320	50467.6	.06	0.0	12:42:36	88
	-17.5				
310	50384.1	.05	0.0	12:42:45	88
	-37.1				
300	50212.8	.07	0.0	12:42:53	88
	-212.5				
290	50596.5	.07	0.0	12:43:03	88
	-94.9				

270	51205.5	.06	0.0	12:43:21	88
	176.7				
260	50851.8	.06	0.0	12:43:30	88
	14.2				
250	50650.3	.07	0.0	12:44:00	88
	-24.7				
240	50525.3	.07	0.0	12:44:15	88
	-78.9				
230	50637.8	.05	0.0	12:44:23	88
	-47.1				
220	50909.8	.06	0.0	12:44:32	88
	143.3				
210	50775.8	.07	0.0	12:44:41	88
	58.0				
200	50467.4	.06	0.0	12:44:50	88
	6.1				
190	50069.4	.07	0.0	12:45:00	88
	-149.9				
180	49798.9	.09	0.0	12:45:15	88
	-288.9				
170	49963.6	.09	0.0	12:45:35	88
	-304.3				
160	50340.6	.08	0.0	12:45:48	88
	-254.8				
150	50511.8	.08	0.0	12:45:57	88
	-211.0				
140	50438.5	.08	0.0	12:46:07	88
	-170.2				
130	50368.3	.07	0.0	12:46:27	88
	-188.4				
120	50298.9	.06	0.0	12:46:44	88
	-166.4				
110	50112.8	.12	0.0	12:46:55	88
	-332.0				
100	50247.8	.16	0.0	12:47:05	88
	-370.9				
90	50202.7	.13	0.0	12:47:15	78
	-387.5				
80	50355.1	.19	0.0	12:47:28	88
	-375.8				
70	50836.8	.05	0.0	12:47:45	88
	54.7				
60	50488.9	.09	0.0	12:47:56	88
	-186.6				
50	50351.9	.22	0.0	12:48:05	68
	-461.9				
40	50581.0	.11	0.0	12:48:15	88
	-311.1				
30	50762.8	.08	0.0	12:48:24	88
	-248.2				
20	50875.8	.08	0.0	12:48:33	88
	-185.7				

Line: 400 Date: 14 NOV 94 #302

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50466.5	.08	0.0	12:49:31	88
	-32.0				
210	50953.7	.05	0.0	12:49:58	88
	95.6				
220	51063.8	.07	0.0	12:50:06	88
	184.6				
230	50653.0	.07	0.0	12:50:15	88
	-49.7				
240	50460.9	.08	0.0	12:50:24	88

	-40.2				
260	50924.6	.05	0.0	12:50:41	88
	4.9				
270	51298.8	.06	0.0	12:50:49	88
	194.5				
280	51215.4	.08	0.0	12:50:58	88
	216.3				
290	50551.0	.08	0.0	12:51:06	88
	-102.6				
300	50229.3	.07	0.0	12:51:15	88
	-198.5				
310	50410.5	.05	0.0	12:51:23	88
	-52.5				
320	50525.9	.05	0.0	12:51:32	88
	-27.2				
330	50541.8	.07	0.0	12:51:41	88
	-51.0				

Line: 410 Date: 14 NOV 94 #316

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50758.4	.05	0.0	12:51:51	88
	-61.6				
320	50613.5	.06	0.0	12:52:04	88
	-38.8				
310	50433.7	.08	0.0	12:52:13	88
	-65.3				
300	50275.1	.07	0.0	12:52:22	88
	-208.5				
290	50641.3	.05	0.0	12:52:30	88
	-82.8				
280	51228.3	.06	0.0	12:52:39	88
	160.0				
270	51239.6	.07	0.0	12:52:48	88
	138.3				
260	50885.1	.06	0.0	12:52:57	88
	8.1				
250	50582.8	.05	0.0	12:53:06	88
	-48.9				
240	50363.4	.07	0.0	12:53:15	88
	-185.8				
230	50685.1	.06	0.0	12:53:23	88
	-69.1				
220	51271.0	.07	0.0	12:53:32	88
	234.8				
210	51115.1	.07	0.0	12:53:40	88
	146.3				
200	50479.3	.08	0.0	12:53:50	88
	-59.5				

Line: 420 Date: 14 NOV 94 #330

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50597.5	.07	0.0	12:54:01	88
	-71.8				
210	51337.7	.08	0.0	12:54:15	88
	215.3				
220	51480.2	1.8	0.0	12:54:24	78
	443.1				
230	50627.9	.07	0.0	12:54:33	88
	-74.1				
240	50248.1	.08	0.0	12:54:42	88
	-230.8				
250	50569.9	.06	0.0	12:54:51	88
	-64.1				
260	50936.1	.05	0.0	12:55:00	88

	158.6				
280	51271.1	.07	0.0	12:55:17	88
	214.0				
290	50631.6	.08	0.0	12:55:26	88
	-58.9				
300	50277.3	.07	0.0	12:55:35	88
	-208.4				
310	50476.5	.06	0.0	12:55:44	88
	-73.5				
320	50696.8	.06	0.0	12:55:52	88
	-56.3				
330	50951.3	.07	0.0	12:56:02	88
	-113.7				

Line: 430 Date: 14 NOV 94 #344

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50976.1	.07	0.0	12:56:12	88
	-122.3				
320	50714.6	.07	0.0	12:56:26	88
	-58.8				
310	50459.2	.07	0.0	12:56:35	88
	-75.4				
300	50285.1	.07	0.0	12:56:44	88
	-225.8				
290	50671.4	.06	0.0	12:56:53	88
	-93.8				
280	51371.4	.08	0.0	12:57:02	88
	225.2				
270	51346.3	.07	0.0	12:57:12	88
	175.2				
260	50892.0	.06	0.0	12:57:22	88
	13.0				
250	50457.7	.07	0.0	12:57:31	88
	-64.3				
240	50071.3	.13	0.0	12:57:39	88
	-319.1				
230	50549.2	.08	0.0	12:57:49	88
	-176.7				
220	51568.9	.15	0.0	12:57:57	78
	392.5				
210	51402.3	.08	0.0	12:58:06	88
	253.0				
200	50547.1	.09	0.0	12:58:15	88
	-77.3				

Line: 440 Date: 14 NOV 94 #358

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50636.0	.07	0.0	12:58:28	88
	-111.0				
210	51483.1	.07	0.0	12:58:44	88
	240.4				
220	51503.4	.23	0.0	12:58:53	88
	375.5				
230	50407.4	.10	0.0	12:59:02	88
	-213.3				
240	50021.2	.12	0.0	12:59:13	88
	-324.7				
250	50507.9	.06	0.0	12:59:22	88
	-72.2				
260	50972.6	.05	0.0	12:59:30	88
	10.9				
270	51432.0	.06	0.0	12:59:39	88
	178.1				
280	51365.3	.07	0.0	12:59:48	88

	-122.2				
300	50266.7	.08	0.0	13:00:07	88
	-226.8				
310	50490.7	.06	0.0	13:00:16	88
	-80.5				
320	50726.2	.06	0.0	13:00:25	88
	-67.3				
330	50943.8	.07	0.0	13:00:35	88
	-134.4				

Line: 450 Date: 14 NOV 94 #372

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50856.5	.06	0.0	13:00:47	88
	-100.6				
320	50679.7	.07	0.0	13:01:02	88
	-55.1				
310	50463.6	.07	0.0	13:01:14	88
	-69.2				
300	50251.9	.07	0.0	13:01:27	88
	-239.3				
290	50737.3	.08	0.0	13:01:35	88
	-104.1				
280	51540.4	.10	0.0	13:01:45	88
	278.8				
270	51465.5	.06	0.0	13:01:54	88
	199.9				
260	50933.5	.06	0.0	13:02:03	88
	19.3				
250	50440.3	.10	0.0	13:02:12	88
	-66.8				
240	50003.6	.10	0.0	13:02:21	88
	-324.2				
230	50503.2	.13	0.0	13:02:30	88
	-250.6				
220	51719.5	.44	0.0	13:02:39	88
	499.5				
210	51525.2	.10	0.0	13:02:47	88
	292.8				
200	50590.7	.10	0.0	13:02:56	88
	-117.5				

Line: 460 Date: 14 NOV 94 #386

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50663.6	.07	0.0	13:03:09	88
	-107.9				
210	51570.3	.09	0.0	13:03:24	88
	249.1				
220	51713.8	.26	0.0	13:03:40	88
	486.9				
230	50472.5	.11	0.0	13:03:49	88
	-177.3				
240	50032.3	.10	0.0	13:03:58	88
	-310.4				
250	50527.0	.06	0.0	13:04:08	88
	-78.0				
260	51067.8	.04	0.0	13:04:17	88
	9.3				
270	51633.4	.07	0.0	13:04:25	88
	227.0				
280	51588.4	.17	0.0	13:04:34	88
	359.9				
290	50596.3	.11	0.0	13:04:43	88
	-152.1				
300	50199.1	.08	0.0	13:04:54	88

	-76.3				
320	50677.6	.06	0.0	13:05:18	88
	-58.5				
330	50827.5	.06	0.0	13:05:29	88
	-88.9				

Line: 470 Date: 14 NOV 94 #400

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50805.1	.07	0.0	13:05:40	88
	-75.6				
320	50658.7	.06	0.0	13:05:57	88
	-44.6				
310	50395.8	.07	0.0	13:06:06	88
	-84.0				
300	50122.2	.09	0.0	13:06:19	88
	-299.8				
290	50614.8	.08	0.0	13:06:27	88
	-196.7				
280	51734.1	.19	0.0	13:06:43	78
	380.9				
270	51693.8	.08	0.0	13:06:53	88
	257.8				
260	51051.2	.05	0.0	13:07:01	88
	30.7				
250	50434.4	.08	0.0	13:07:10	88
	-78.8				
240	49920.7	.31	0.0	13:07:27	78
	-405.3				
230	50582.2	.11	0.0	13:07:36	88
	-160.2				
220	51832.3	2.4	0.0	13:07:58	68
	597.9				
210	51478.5	.09	0.0	13:08:09	88
	257.4				
200	50525.8	.09	0.0	13:08:17	88
	-118.5				

Line: 480 Date: 14 NOV 94 #414

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50604.7	.07	0.0	13:08:35	88
	-97.9				
210	51508.9	.09	0.0	13:08:52	88
	263.0				
220	51621.3	.36	0.0	13:09:09	68
	463.3				
230	50337.7	.09	0.0	13:09:21	88
	-252.0				
240	49909.7	.16	0.0	13:09:43	78
	-409.3				
250	50488.6	.06	0.0	13:10:16	88
	-87.8				
260	51175.4	.04	0.0	13:10:27	88
	41.8				
270	51933.6	.23	0.0	13:10:38	88
	401.5				
280	51715.0	.27	0.0	13:10:48	78
	398.3				
290	50497.0	.09	0.0	13:10:57	88
	-221.8				
300	50137.7	.09	0.0	13:11:08	88
	-268.7				
310	50452.2	.06	0.0	13:11:19	88
	-85.1				
320	50725.9	.05	0.0	13:11:30	88

	-86.4				

Line: 490 Date: 14 NOV 94 #428

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	51020.3	.07	0.0	13:13:41	88
	-65.4				
320	50732.5	.06	0.0	13:13:57	88
	-37.6				
310	50440.5	.08	0.0	13:14:09	88
	-79.0				
300	50125.9	.09	0.0	13:14:20	88
	-283.6				
290	50540.4	.10	0.0	13:14:31	88
	-230.0				
280	51735.1	.14	0.0	13:14:40	78
	375.5				
270	51827.1	1.5	0.0	13:14:51	88
	414.1				
260	51108.9	.12	0.0	13:14:59	88
	54.3				
250	50452.3	.08	0.0	13:15:08	88
	-80.4				
240	49997.5	.12	0.0	13:15:18	88
	-346.8				
230	50512.4	.08	0.0	13:15:29	88
	-171.8				
220	51505.5	.16	0.0	13:15:38	78
	362.7				
210	51343.6	.08	0.0	13:15:47	88
	236.7				
200	50500.0	.16	0.0	13:15:56	88
	-83.8				

Line: 500 Date: 14 NOV 94 #442

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50460.7	.07	0.0	13:16:08	88
	-112.6				
210	51312.0	.07	0.0	13:16:23	88
	230.8				
220	51394.8	.12	0.0	13:16:32	88
	330.7				
230	50530.5	.09	0.0	13:16:41	88
	-119.5				
240	50134.3	.07	0.0	13:16:50	88
	-265.5				
250	50531.2	.06	0.0	13:17:00	88
	-83.1				
260	51080.5	.04	0.0	13:17:10	88
	21.3				
270	51598.7	.07	0.0	13:17:19	88
	249.1				
280	51372.3	.09	0.0	13:17:28	88
	248.9				
290	50416.1	.08	0.0	13:17:38	88
	-212.6				
300	50192.4	.08	0.0	13:17:47	88
	-235.8				
310	50520.4	.06	0.0	13:17:56	88
	-75.9				
320	50786.2	.05	0.0	13:18:06	88
	-46.6				
330	51071.4	.06	0.0	13:18:15	88

NORCAL

OU-5 Landfill Disposal Unit #1

.OF

```
EDA  OMNI-IV  Tie-line  MAG  Ser #255150
TOTAL FIELD DATA (uncorrected)
% GRADIENT
Date: 16 NOV 94
Operator:  5222
Reference  field: 50000.0
Datum subtracted:     0.0
Records:  367
Bat:  16.3 Volt    Lithium:  3.52 Volt
Last time update:  6/10 17:26:00
Start  of  print: 11/16 13:34:34


Line:      40      Date: 16 NOV 94      #1
POSITION  FIELD   ERR    DRIFT    TIME    DS
   270   50519.0  .06      0.0 12:09:48 88
           -51.9
   280   50366.5  .06      0.0 12:10:53 88
          -152.8

Line:      50      Date: 16 NOV 94      #3
POSITION  FIELD   ERR    DRIFT    TIME    DS
   290   50228.7  .06      0.0 12:11:16 88
          -179.0
   280   50428.9  .08      0.0 12:11:43 88
          -100.9
   270   50627.3  .05      0.0 12:11:51 88
            -2.9
   260   50520.5  .06      0.0 12:12:03 88
           -51.5

Line:      60      Date: 16 NOV 94      #7
POSITION  FIELD   ERR    DRIFT    TIME    DS
   300   50273.7  .06      0.0 12:13:37 88
          -117.4
   290   50433.7  .05      0.0 12:13:59 88
           -61.4
   280   50529.0  .06      0.0 12:14:09 88
           -59.3
   270   50695.2  .05      0.0 12:14:17 88
            43.1
   260   50689.2  .05      0.0 12:14:25 88
            22.3
   250   50614.8  .05      0.0 12:14:33 88
            -2.4
   240   50542.2  .06      0.0 12:14:40 88
           -37.7
   230   50548.6  .05      0.0 12:14:48 88
           -42.2
   220   50657.6  .05      0.0 12:14:55 88
            77.7
   210   50617.8  .06      0.0 12:15:04 88
           122.2
   100   50779.9  .04      0.0 12:15:48 88
           -22.1
    90   50797.5  .04      0.0 12:16:08 88
```

80	50816.0	.05	0.0	12:16:10	88
	-6.1				

Line: 70 Date: 16 NOV 94 #20

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50816.7	.04	0.0	12:16:34	88
	-4.1				
90	50799.0	.04	0.0	12:16:55	88
	-10.2				
100	50775.4	.04	0.0	12:17:03	88
	-16.8				
110	50735.0	.05	0.0	12:17:17	88
	-27.5				
220	50514.0	.06	0.0	12:18:48	88
	-64.0				
230	50562.3	.04	0.0	12:19:13	88
	-11.1				
240	50590.6	.05	0.0	12:19:21	88
	-41.9				
250	50693.8	.05	0.0	12:19:30	88
	25.0				
260	50708.6	.05	0.0	12:19:40	88
	20.1				
270	50605.4	.06	0.0	12:19:47	88
	-64.9				
280	50575.9	.05	0.0	12:19:55	88
	-34.2				
290	50534.1	.06	0.0	12:20:03	88
	-22.3				
300	50452.1	.05	0.0	12:20:10	88
	-39.4				
310	50357.0	.07	0.0	12:20:17	88
	-89.1				

Line: 80 Date: 16 NOV 94 #34

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50494.0	.06	0.0	12:20:37	88
	-159.2				
320	50501.0	.06	0.0	12:20:59	88
	-59.1				
310	50561.5	.04	0.0	12:21:06	88
	-25.4				
300	50599.0	.05	0.0	12:21:14	88
	-14.9				
290	50640.4	.04	0.0	12:21:21	88
	-11.2				
280	50652.8	.05	0.0	12:21:29	88
	-18.6				
270	50724.4	.06	0.0	12:21:37	88
	58.2				
260	50667.4	.05	0.0	12:21:44	88
	-0.7				
250	50618.6	.07	0.0	12:21:52	88
	-69.0				
240	50673.5	.06	0.0	12:21:59	88
	25.6				
230	50549.1	.06	0.0	12:22:07	88
	-69.1				
120	50723.2	.05	0.0	12:23:47	88
	-19.1				
110	50737.3	.05	0.0	12:24:07	88
	-25.8				
100	50779.2	.04	0.0	12:24:14	88
	-16.8				
90	50804.6	.04	0.0	12:24:22	88

80	50817.7	.05	0.0	12:24:36	88
	-3.7				
80	50818.4	.04	0.0	12:24:40	88
	-3.2				
90	50803.2	.04	0.0	12:25:45	88
	-7.1				
100	50762.6	.04	0.0	12:25:53	88
	-14.6				
110	50657.1	.05	0.0	12:26:04	88
	-28.2				
120	50529.5	.06	0.0	12:26:14	88
	-22.4				
130	50845.6	.07	0.0	12:26:23	88
	189.4				
140	50641.3	.06	0.0	12:26:32	88
	-118.5				
230	50583.2	.05	0.0	12:28:19	88
	-57.0				
240	50660.4	.05	0.0	12:28:36	88
	13.3				
250	50619.2	.07	0.0	12:28:44	88
	-57.3				
260	50690.3	.05	0.0	12:28:52	88
	10.9				
270	50712.3	.05	0.0	12:29:00	88
	58.6				
280	50644.9	.05	0.0	12:29:08	88
	-15.9				
290	50630.4	.05	0.0	12:29:16	88
	-9.6				
300	50587.6	.05	0.0	12:29:24	88
	-13.0				
310	50535.8	.05	0.0	12:29:32	88
	-28.9				
320	50466.4	.06	0.0	12:29:40	88
	-63.9				
330	50468.7	.07	0.0	12:29:48	88
	-210.1				

Line: 90 Date: 16 NOV 94 #68

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50641.4	.06	0.0	12:30:11	88
	-151.4				
320	50611.5	.06	0.0	12:30:27	88
	-41.8				
310	50646.1	.05	0.0	12:30:35	88
	-12.8				
300	50666.3	.05	0.0	12:30:43	88
	-5.1				
290	50684.8	.05	0.0	12:30:51	88
	-2.4				
280	50689.0	.05	0.0	12:30:59	88
	-1.4				
270	50671.9	.05	0.0	12:31:08	88
	-13.7				
260	50610.5	.06	0.0	12:31:15	88
	-62.1				
250	50651.8	.05	0.0	12:31:23	88
	-12.8				
240	50747.2	.06	0.0	12:31:31	88
	6.8				
150	50482.0	.12	0.0	12:32:48	88
	-298.8				
140	50907.3	.07	0.0	12:33:15	88
	176.6				

	184.1				
120	50513.6	.06	0.0	12:33:31	88
	-27.1				
110	50636.1	.05	0.0	12:33:39	88
	-37.4				
100	50772.7	.05	0.0	12:33:48	88
	-11.6				
90	50810.1	.04	0.0	12:33:58	88
	-3.9				
80	50817.9	.04	0.0	12:34:07	88
	-1.9				

Line: 100 Date: 16 NOV 94 #86

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50814.0	.05	0.0	12:34:17	88
	-0.2				
90	50810.6	.04	0.0	12:34:34	88
	-1.1				
100	50786.7	.04	0.0	12:34:43	88
	-6.6				
110	50713.2	.04	0.0	12:34:51	88
	-10.1				
120	50663.7	.04	0.0	12:34:59	88
	0.9				
130	50799.9	.06	0.0	12:35:06	88
	44.1				
140	50982.2	.06	0.0	12:35:13	88
	138.5				
150	50637.8	.08	0.0	12:35:22	88
	-116.5				
160	50442.2	.19	0.0	12:35:36	78
	-372.9				
240	50798.9	.07	0.0	12:36:49	88
	146.1				
250	50612.5	.06	0.0	12:37:06	88
	-65.1				
260	50672.4	.05	0.0	12:37:14	88
	26.6				
270	50682.8	.05	0.0	12:37:23	88
	-7.6				
280	50698.7	.04	0.0	12:37:33	88
	2.9				
290	50701.7	.05	0.0	12:37:41	88
	2.5				
300	50697.3	.05	0.0	12:37:49	88
	-0.6				
310	50682.1	.05	0.0	12:37:58	88
	-9.9				
320	50656.3	.05	0.0	12:38:06	88
	-30.6				
330	50620.1	.07	0.0	12:38:14	88
	-121.4				

Line: 110 Date: 16 NOV 94 #105

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50661.0	.06	0.0	12:38:32	88
	-67.7				
320	50701.5	.05	0.0	12:38:48	88
	-17.5				
310	50716.3	.04	0.0	12:38:57	88
	1.4				
300	50708.6	.05	0.0	12:39:07	88
	8.9				
290	50683.6	.05	0.0	12:39:16	88
	11.0				

		-.1			
270	50664.1	.05	0.0	12:39:31	88
	1.1				
260	50640.5	.05	0.0	12:39:39	88
	-0.4				
250	50612.2	.06	0.0	12:39:47	88
	21.2				
170	50444.8	1.1	0.0	12:40:56	78
	-364.3				
160	50560.3	.11	0.0	12:41:11	88
	-229.4				
150	51000.9	.06	0.0	12:41:24	88
	139.8				
140	50955.3	.06	0.0	12:41:32	88
	40.1				
130	50831.4	.04	0.0	12:41:41	88
	-1.5				
120	50791.5	.04	0.0	12:41:48	88
	-4.8				
110	50798.0	.04	0.0	12:41:58	88
	-5.8				
100	50807.1	.05	0.0	12:42:05	88
	-3.5				
90	50808.8	.05	0.0	12:42:13	88
	0.4				
80	50794.9	.05	0.0	12:42:23	88
	0.0				

Line: 120 Date: 16 NOV 94 #124

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50780.5	.05	0.0	12:42:43	88
	-3.3				
90	50807.8	.05	0.0	12:42:59	88
	-0.6				
100	50808.2	.05	0.0	12:43:08	88
	-3.5				
110	50805.7	.05	0.0	12:43:16	88
	-5.5				
120	50810.9	.04	0.0	12:43:25	88
	-7.5				
130	50845.1	.05	0.0	12:43:33	88
	-9.8				
140	50924.8	.05	0.0	12:43:41	88
	2.0				
150	51042.6	.06	0.0	12:43:48	88
	119.3				
160	50802.2	.07	0.0	12:43:57	88
	35.3				
170	50435.4	.10	0.0	12:44:05	88
	-312.5				
260	50596.3	.04	0.0	12:45:09	88
	3.5				
270	50616.5	.05	0.0	12:45:26	88
	1.3				
280	50583.8	.05	0.0	12:45:34	88
	3.7				
290	50627.2	.05	0.0	12:45:41	88
	22.9				
300	50703.7	.05	0.0	12:45:48	88
	21.9				
310	50733.6	.05	0.0	12:45:56	88
	2.3				
320	50725.8	.05	0.0	12:46:06	88
	-15.7				
330	50705.8	.06	0.0	12:46:12	88

Line: 130 Date: 16 NOV 94 #162

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50760.3	.05	0.0	12:46:25	88
	-44.8				
320	50758.4	.05	0.0	12:46:44	88
	-6.6				
310	50746.9	.05	0.0	12:46:54	88
	12.8				
300	50701.9	.06	0.0	12:47:02	88
	40.2				
290	50655.3	.06	0.0	12:47:08	88
	40.4				
280	50499.5	.06	0.0	12:47:18	88
	-20.5				
270	50521.2	.05	0.0	12:47:28	88
	-19.6				
180	50615.7	.09	0.0	12:48:15	88
	-229.1				
170	50804.6	.05	0.0	12:48:33	88
	5.7				
160	50976.0	.05	0.0	12:48:41	88
	80.2				
150	50908.5	.05	0.0	12:48:50	88
	3.3				
140	50846.5	.05	0.0	12:48:57	88
	-10.5				
130	50804.1	.05	0.0	12:49:05	88
	-10.6				
120	50799.0	.06	0.0	12:49:12	88
	-10.7				
110	50800.7	.05	0.0	12:49:28	88
	-8.6				
100	50802.1	.05	0.0	12:49:38	88
	-7.7				
90	50795.9	.04	0.0	12:49:45	88
	-4.4				
80	50759.0	.05	0.0	12:49:53	88
	-9.5				

Line: 140 Date: 16 NOV 94 #160

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50803.7	.05	0.0	12:50:09	88
	-8.5				
90	50795.3	.05	0.0	12:50:25	88
	-20.1				
100	50797.4	.06	0.0	12:50:33	88
	-21.5				
110	50788.4	.05	0.0	12:50:43	88
	-20.3				
120	50773.4	.06	0.0	12:50:50	88
	-22.1				
130	50770.2	.06	0.0	12:50:59	88
	-22.5				
140	50795.5	.05	0.0	12:51:08	88
	-19.5				
150	50841.5	.05	0.0	12:51:15	88
	-17.1				
160	50914.0	.04	0.0	12:51:23	88
	7.7				
170	50960.2	.06	0.0	12:51:31	88
	57.0				
180	50926.7	.07	0.0	12:51:39	88
	134.7				
190	50546.9	.16	0.0	12:51:46	88

270	50494.1	.03	0.0	12:52:31	88
	-62.2				
280	50543.1	.05	0.0	12:52:49	88
	5.7				
290	50648.4	.05	0.0	12:52:58	88
	25.4				
300	50734.7	.06	0.0	12:53:05	88
	22.1				
310	50767.5	.04	0.0	12:53:15	88
	6.8				
320	50778.1	.05	0.0	12:53:32	88
	-15.1				
330	50789.2	.07	0.0	12:53:50	88
	-75.9				

Line: 150 Date: 16 NOV 94 #179

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50794.2	.07	0.0	12:54:09	88
	-76.3				
320	50785.6	.05	0.0	12:54:38	88
	-13.1				
310	50774.9	.05	0.0	12:54:54	88
	9.1				
300	50760.4	.04	0.0	12:55:01	88
	15.3				
290	50691.8	.05	0.0	12:55:10	88
	21.9				
280	50532.3	.06	0.0	12:55:18	88
	-5.5				
200	50572.7	.08	0.0	12:56:16	88
	-184.0				
190	50635.0	.06	0.0	12:56:36	88
	-132.9				
180	50915.1	.06	0.0	12:56:43	88
	61.2				
170	50851.1	.05	0.0	12:56:51	88
	-7.2				
160	50823.3	.05	0.0	12:57:00	88
	-21.8				
150	50804.3	.05	0.0	12:57:09	88
	-2.6				
140	50730.7	.05	0.0	12:57:18	88
	-33.1				
130	50716.0	.06	0.0	12:57:26	88
	-59.2				
120	50768.3	.06	0.0	12:57:34	88
	-48.2				
110	50865.2	.05	0.0	12:57:43	88
	-33.9				
100	50865.0	.06	0.0	12:57:51	88
	-51.3				
90	50832.1	.05	0.0	12:57:59	88
	-48.4				
80	50871.3	.05	0.0	12:58:11	88
	10.0				

Line: 160 Date: 16 NOV 94 #198

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50912.8	.05	0.0	12:58:24	88
	-33.3				
90	51040.2	.08	0.0	12:58:40	88
	5.3				
100	51205.2	.06	0.0	12:58:48	88
	118.8				
110	51096.4	.05	0.0	12:58:56	88

120	50920.4	.06	0.0	12:59:08	88
	85.7				
130	50666.7	.07	0.0	12:59:16	88
	-77.5				
140	50716.6	.06	0.0	12:59:31	88
	-34.2				
150	50855.7	.05	0.0	12:59:40	88
	68.6				
160	50798.7	.05	0.0	12:59:52	88
	-7.9				
170	50767.1	.05	0.0	13:00:07	88
	-40.0				
180	50769.1	.05	0.0	13:00:17	88
	-23.5				
190	50704.1	.05	0.0	13:00:25	88
	-36.8				
200	50684.7	.06	0.0	13:00:32	88
	-31.1				
210	50600.2	.07	0.0	13:00:39	88
	-145.9				
290	50720.8	.05	0.0	13:01:09	88
	15.8				
300	50782.5	.04	0.0	13:01:30	88
	10.3				
310	50799.0	.05	0.0	13:01:47	88
	-4.0				
320	50789.1	.05	0.0	13:01:59	88
	-20.9				
330	50781.6	.06	0.0	13:02:10	88
	-94.7				

Line: 170 Date: 16 NOV 94 #217

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50784.4	.06	0.0	13:02:26	88
	-63.1				
320	50801.2	.05	0.0	13:02:53	88
	-13.4				
310	50807.6	.05	0.0	13:03:05	88
	4.2				
300	50797.2	.05	0.0	13:03:14	88
	11.1				
290	50749.4	.05	0.0	13:03:22	88
	19.8				
230	50633.7	.05	0.0	13:03:51	88
	-29.5				
220	50598.9	.07	0.0	13:04:04	88
	-104.2				
210	50663.4	.06	0.0	13:04:12	88
	-55.2				
200	50712.7	.05	0.0	13:04:19	88
	-31.5				
190	50753.1	.05	0.0	13:04:27	88
	-17.5				
180	50756.2	.05	0.0	13:04:36	88
	-14.6				
170	50737.3	.05	0.0	13:04:44	88
	-35.4				
160	50759.5	.06	0.0	13:04:54	88
	-19.3				
150	50745.3	.05	0.0	13:05:02	88
	4.3				
140	50631.4	.07	0.0	13:05:11	88
	-64.7				
130	50674.3	.06	0.0	13:05:19	88
	-66.2				

	64.6				
110	51203.8	.10	0.0	13:05:36	88
	261.5				
100	51312.4	.09	0.0	13:05:43	88
	237.3				
90	51305.0	.06	0.0	13:05:51	88
	162.8				
80	51135.4	.06	0.0	13:05:59	88
	46.9				

Line: 180 Date: 16 NOV 94 #238

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	51570.0	.19	0.0	13:06:14	78
	385.2				
90	51240.8	.07	0.0	13:06:33	88
	213.0				
100	50593.7	.18	0.0	13:06:41	88
	-285.8				
110	50595.3	.07	0.0	13:06:49	88
	-132.1				
120	50582.2	.08	0.0	13:06:58	88
	-101.1				
130	50587.0	.07	0.0	13:07:06	88
	-71.8				
140	50653.9	.05	0.0	13:07:15	88
	-39.3				
150	50721.4	.05	0.0	13:07:24	88
	-20.4				
160	50747.0	.06	0.0	13:07:31	88
	-14.4				
170	50770.0	.05	0.0	13:07:42	88
	-6.3				
180	50785.4	.05	0.0	13:07:49	88
	1.1				
190	50774.2	.05	0.0	13:07:58	88
	-3.4				
200	50741.4	.05	0.0	13:08:05	88
	-12.0				
210	50677.9	.06	0.0	13:08:13	88
	-32.4				
220	50628.9	.06	0.0	13:08:21	88
	-59.2				
230	50625.0	.06	0.0	13:08:32	88
	34.9				
240	50483.6	.07	0.0	13:08:41	88
	-106.6				
250	50486.7	.07	0.0	13:08:49	88
	-111.1				
260	50456.8	.07	0.0	13:08:57	88
	-114.5				
270	50630.3	.05	0.0	13:09:05	88
	-18.4				
280	50702.9	.05	0.0	13:09:14	88
	1.1				
290	50782.0	.05	0.0	13:09:24	88
	9.2				
300	50812.5	.05	0.0	13:09:38	88
	6.4				
310	50816.7	.05	0.0	13:09:46	88
	-1.9				
320	50806.7	.05	0.0	13:09:55	88
	-14.9				
330	50788.0	.06	0.0	13:10:05	88
	-55.5				

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50806.5	.06	0.0	13:10:20	88
	-41.8				
320	50819.1	.05	0.0	13:10:37	88
	-12.5				
310	50826.9	.05	0.0	13:10:46	88
	-0.1				
300	50824.4	.05	0.0	13:10:53	88
	4.9				
290	50810.6	.05	0.0	13:11:01	88
	7.5				
280	50774.9	.05	0.0	13:11:25	88
	11.6				
270	50721.0	.05	0.0	13:11:33	88
	6.5				
260	50641.6	.05	0.0	13:11:41	88
	-14.2				
250	50615.7	.07	0.0	13:11:49	88
	50.6				
240	50439.1	.07	0.0	13:11:56	88
	37.2				
230	50510.7	.07	0.0	13:12:04	88
	-72.2				
220	50648.0	.05	0.0	13:12:12	88
	-31.5				
210	50750.8	.05	0.0	13:12:19	88
	-7.6				
200	50776.5	.05	0.0	13:12:27	88
	-4.6				
190	50799.9	.05	0.0	13:12:34	88
	0.0				
180	50804.2	.05	0.0	13:12:42	88
	2.1				
170	50792.9	.05	0.0	13:12:51	88
	3.6				
160	50770.4	.06	0.0	13:12:59	88
	-0.8				
150	50733.1	.05	0.0	13:13:07	88
	-2.4				
140	50695.3	.06	0.0	13:13:16	88
	-0.9				
130	50620.9	.05	0.0	13:13:25	88
	-22.1				
120	50522.0	.07	0.0	13:13:32	88
	-79.4				
110	50392.8	.07	0.0	13:13:41	88
	-195.8				
100	50416.5	.23	0.0	13:13:50	78
	-359.4				
90	51124.9	.05	0.0	13:13:58	88
	72.7				
80	51349.9	.09	0.0	13:14:05	88
	274.9				

Line: 200 Date: 16 NOV 94 #290

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50943.3	.06	0.0	13:14:16	88
	1.6				
90	50934.6	.05	0.0	13:14:30	88
	15.7				
100	50936.5	.07	0.0	13:14:39	88
	159.8				
110	50683.8	.07	0.0	13:14:47	88
	1.2				
120	50606.4	.07	0.0	13:14:57	88

130	50661.8	.09	0.0	13:15:04	88
	-16.5				
140	50709.6	.05	0.0	13:15:12	88
	-12.0				
150	50760.1	.05	0.0	13:15:20	88
	-2.5				
160	50791.0	.05	0.0	13:15:30	88
	2.3				
170	50812.1	.05	0.0	13:15:39	88
	5.4				
180	50817.1	.05	0.0	13:15:48	88
	4.1				
190	50810.9	.05	0.0	13:15:56	88
	2.6				
200	50796.1	.05	0.0	13:16:03	88
	-0.5				
210	50760.4	.06	0.0	13:16:11	88
	-3.5				
220	50633.0	.06	0.0	13:16:19	88
	-29.0				
230	50391.9	.08	0.0	13:16:26	88
	-137.0				
240	50442.1	.08	0.0	13:16:35	88
	59.5				
250	50702.1	.04	0.0	13:16:43	88
	17.1				
260	50749.5	.05	0.0	13:16:51	88
	6.7				
270	50784.4	.05	0.0	13:16:59	88
	5.2				
280	50810.0	.05	0.0	13:17:07	88
	5.0				
290	50828.4	.05	0.0	13:17:15	88
	7.3				
300	50834.3	.05	0.0	13:17:23	88
	2.1				
310	50831.2	.05	0.0	13:17:32	88
	-3.5				
320	50821.4	.05	0.0	13:17:41	88
	-17.7				
330	50814.0	.07	0.0	13:17:50	88
	-58.9				

Line: 210 Date: 16 NOV 94 #316

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50844.2	.08	0.0	13:18:17	88
	-92.5				
320	50823.7	.05	0.0	13:18:37	88
	-20.6				
310	50836.7	.05	0.0	13:18:48	88
	-3.9				
300	50841.1	.05	0.0	13:18:58	88
	1.2				
290	50836.8	.05	0.0	13:19:06	88
	2.7				
280	50827.3	.05	0.0	13:19:13	88
	4.5				
270	50812.0	.04	0.0	13:19:21	88
	6.3				
260	50796.1	.05	0.0	13:19:29	88
	7.7				
250	50753.1	.05	0.0	13:19:37	88
	15.6				
240	50681.9	.05	0.0	13:19:45	88
	21.0				

	-7.6				
220	50747.4	.05	0.0	13:20:01	88
	-6.7				
210	50796.7	.05	0.0	13:20:09	88
	-0.1				
200	50816.6	.04	0.0	13:20:17	88
	1.1				
190	50826.4	.05	0.0	13:20:26	88
	4.1				
180	50825.8	.04	0.0	13:20:35	88
	5.5				
170	50815.5	.06	0.0	13:20:43	88
	5.8				
160	50795.5	.06	0.0	13:20:59	88
	3.1				
150	50764.6	.06	0.0	13:21:07	88
	5.2				
140	50709.6	.06	0.0	13:21:15	88
	-17.4				
130	50664.1	.06	0.0	13:21:24	88
	-17.1				
120	50637.3	.07	0.0	13:21:32	88
	-64.9				
110	50835.1	.05	0.0	13:21:40	88
	31.4				
100	50967.6	.07	0.0	13:21:48	88
	100.7				
90	50920.4	.06	0.0	13:21:56	88
	42.6				
80	50850.1	.05	0.0	13:22:03	88
	-1.4				

Line: 220 Date: 16 NOV 94 #342

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50818.4	.05	0.0	13:22:21	88
	-3.1				
90	50835.9	.05	0.0	13:22:38	88
	1.9				
100	50807.1	.05	0.0	13:22:46	88
	4.7				
110	50694.3	.06	0.0	13:22:58	88
	-36.4				
120	50661.7	.05	0.0	13:23:07	88
	-39.3				
130	50714.1	.06	0.0	13:23:16	88
	-3.2				
140	50760.9	.05	0.0	13:23:25	88
	6.1				
150	50793.5	.04	0.0	13:23:33	88
	9.8				
160	50800.5	.05	0.0	13:23:43	88
	-1.1				
170	50820.9	.05	0.0	13:23:51	88
	5.2				
180	50831.5	.05	0.0	13:24:01	88
	5.7				
190	50833.7	.05	0.0	13:24:09	88
	6.2				
200	50826.2	.05	0.0	13:24:17	88
	2.0				
210	50816.1	.05	0.0	13:24:26	88
	3.2				
220	50798.8	.04	0.0	13:24:36	88
	4.2				
230	50782.3	.05	0.0	13:24:44	88

240	50791.2	.05	0.0	13:24:54	88
	7.8				
250	50809.5	.04	0.0	13:25:02	88
	7.2				
260	50825.1	.05	0.0	13:25:12	88
	5.2				
270	50834.3	.05	0.0	13:25:19	88
	4.2				
280	50841.0	.05	0.0	13:25:27	88
	2.9				
290	50845.2	.05	0.0	13:25:35	88
	1.9				
300	50843.9	.05	0.0	13:25:44	88
	-0.4				
310	50835.2	.05	0.0	13:25:52	88
	-7.4				
320	50817.3	.05	0.0	13:26:01	88
	-27.1				
330	50819.8	.07	0.0	13:26:10	88
	-89.5				

EOF

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
& GRADIENT
Date: 17 NOV 94
Operator: 5444
Reference field: 50000.0
Datum subtracted: 0.0
Records: 631
Bat: 15.6 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/17 12:27:07

Line: 0 Date: 17 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	49942.1	1.1	0.0	10:19:36	48
	-877.3				
10	50132.9	.31	0.0	10:20:18	78
	-448.5				
20	50245.4	.09	0.0	10:20:32	88
	-365.2				
30	50283.9	.14	0.0	10:20:41	88
	-382.5				
40	50378.9	.12	0.0	10:20:50	88
	-361.4				
50	50499.3	.16	0.0	10:20:59	78
	-426.7				
60	50429.0	.27	0.0	10:21:09	68
	-536.1				
70	50381.6	.41	0.0	10:21:18	78
	-446.1				
80	50415.6	.19	0.0	10:21:27	78
	-397.8				
90	50424.8	.09	0.0	10:21:35	88
	-340.0				
100	50397.5	.09	0.0	10:21:45	88
	-353.6				
150	50272.5	.07	0.0	10:22:05	88
	-280.2				
160	50397.4	.07	0.0	10:22:19	88
	-244.9				
170	50430.6	.09	0.0	10:22:32	88
	-321.5				
180	50506.9	.14	0.0	10:22:43	88
	-376.9				
190	50395.8	.13	0.0	10:22:52	88
	-376.5				
200	50361.2	.11	0.0	10:23:01	88
	-321.8				
210	50461.1	.09	0.0	10:23:11	88
	-342.8				
220	50427.3	.14	0.0	10:23:19	88
	-368.9				
230	50200.2	.09	0.0	10:23:29	88
	-319.3				

	-219.3				
250	50493.4	.08	0.0	10:23:46	88
	-254.2				
260	50561.3	.09	0.0	10:23:55	88
	-292.8				
270	50583.3	.73	0.0	10:24:04	88
	-388.5				
280	50649.1	1.5	0.0	10:24:22	78
	-420.0				

Line: 10 Date: 17 NOV 94 #26

POSITION	FIELD	ERR	DRIFT	TIME	DS
280	50904.0	.13	0.0	10:24:37	88
	-368.7				
270	50766.4	.07	0.0	10:25:08	88
	-138.7				
260	50705.9	.06	0.0	10:25:20	88
	-72.4				
250	50649.5	.06	0.0	10:25:32	88
	-52.4				
240	50560.6	.07	0.0	10:25:44	88
	-70.3				
230	50558.8	.06	0.0	10:25:55	88
	-52.1				
220	50588.9	.05	0.0	10:26:05	88
	-48.9				
210	50602.3	.06	0.0	10:26:22	88
	-40.1				
200	50577.3	.06	0.0	10:26:32	88
	-45.2				
190	50576.0	.05	0.0	10:26:41	88
	-48.7				
180	50582.6	.05	0.0	10:26:51	88
	-48.1				
170	50582.0	.06	0.0	10:27:00	88
	-38.0				
160	50546.3	.06	0.0	10:27:11	88
	-29.0				
150	50433.0	.06	0.0	10:27:21	88
	-28.1				
100	50655.8	.05	0.0	10:28:25	88
	-95.1				
90	50636.0	.08	0.0	10:28:40	88
	-64.9				
80	50644.7	.05	0.0	10:28:56	88
	-51.2				
70	50607.8	.07	0.0	10:29:13	88
	-65.3				
60	50628.8	.07	0.0	10:29:23	88
	-59.2				
50	50624.8	.06	0.0	10:29:32	88
	-49.7				
40	50573.4	.07	0.0	10:29:41	88
	-58.2				
30	50534.1	.06	0.0	10:29:50	88
	-49.9				
20	50438.0	.07	0.0	10:29:59	88
	-83.7				
10	50350.3	.06	0.0	10:30:17	88
	-79.5				
0	50026.1	.39	0.0	10:30:28	58
	-638.5				

Line: 20 Date: 17 NOV 94 #51

POSITION	FIELD	ERR	DRIFT	TIME	DS

	-357.1				
10	50487.9	.05	0.0	10:30:57	88
	-45.3				
20	50612.5	.05	0.0	10:31:08	88
	-12.4				
30	50669.7	.05	0.0	10:31:17	88
	-8.3				
40	50690.6	.05	0.0	10:31:30	88
	-22.5				
50	50721.4	.05	0.0	10:31:40	88
	-14.0				
60	50733.4	.05	0.0	10:31:49	88
	-13.7				
70	50740.2	.05	0.0	10:31:58	88
	-16.4				
80	50746.7	.05	0.0	10:32:07	88
	-18.1				
90	50752.5	.05	0.0	10:32:16	88
	-29.8				
100	50802.4	.05	0.0	10:32:26	88
	-67.7				
150	50520.7	.06	0.0	10:32:44	88
	-5.2				
160	50605.2	.05	0.0	10:32:57	88
	-12.8				
170	50620.9	.05	0.0	10:33:07	88
	-18.4				
180	50622.0	.05	0.0	10:33:15	88
	-19.2				
190	50612.2	.06	0.0	10:33:24	88
	-20.3				
200	50611.5	.05	0.0	10:33:34	88
	-15.5				
210	50645.2	.06	0.0	10:33:43	88
	-10.0				
220	50667.5	.07	0.0	10:33:52	88
	-11.8				
230	50676.3	.06	0.0	10:34:01	88
	-15.8				
240	50691.8	.05	0.0	10:34:09	88
	-21.3				
250	50723.1	.05	0.0	10:34:18	88
	-31.0				
260	50754.0	.06	0.0	10:34:27	88
	-57.2				
270	50803.7	.07	0.0	10:34:37	88
	-146.6				

Line: 30 Date: 17 NOV 94 #75

POSITION	FIELD	ERR	DRIFT	TIME	DS
270	50820.3	.07	0.0	10:34:49	88
	-114.0				
260	50715.5	.05	0.0	10:35:04	88
	-52.3				
250	50720.7	.05	0.0	10:35:13	88
	-28.5				
240	50716.3	.06	0.0	10:35:24	88
	-17.2				
230	50711.1	.05	0.0	10:35:48	88
	-5.6				
220	50683.7	.05	0.0	10:35:58	88
	0.0				
210	50602.5	.05	0.0	10:36:13	88
	1.6				
190	50562.3	.05	0.0	10:37:27	88

160	50366.3	.06	0.0	10:37:06	88
	-25.2				
170	50585.1	.06	0.0	10:38:06	88
	-25.9				
160	50583.5	.06	0.0	10:38:26	88
	-36.0				
150	50580.6	.07	0.0	10:38:38	88
	-32.4				
140	50449.4	.07	0.0	10:38:48	88
	-45.4				
110	50828.6	.06	0.0	10:39:23	88
	-116.6				
100	50802.5	.05	0.0	10:39:38	88
	-40.8				
90	50794.9	.05	0.0	10:39:47	88
	-18.3				
80	50793.1	.05	0.0	10:39:57	88
	-9.1				
70	50790.7	.05	0.0	10:40:06	88
	-9.2				
60	50784.3	.05	0.0	10:40:23	88
	-3.2				
50	50766.2	.04	0.0	10:40:32	88
	-4.4				
40	50732.8	.05	0.0	10:40:42	88
	-13.8				
30	50707.9	.05	0.0	10:40:51	88
	-6.0				
20	50661.9	.06	0.0	10:41:07	88
	-14.5				
10	50516.0	.06	0.0	10:41:19	88
	-42.2				
0	50193.8	.18	0.0	10:41:43	78
	-422.7				

Line: 40 Date: 17 NOV 94 #100

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50249.3	.09	0.0	10:41:57	88
	-324.0				
10	50580.0	.05	0.0	10:42:14	88
	-21.1				
20	50702.7	.05	0.0	10:42:23	88
	-3.2				
30	50731.9	.05	0.0	10:42:32	88
	-16.0				
40	50764.2	.05	0.0	10:42:40	88
	-8.9				
50	50799.5	.05	0.0	10:42:49	88
	-0.5				
60	50813.7	.04	0.0	10:42:57	88
	-1.5				
70	50819.4	.05	0.0	10:43:06	88
	-3.1				
80	50820.3	.05	0.0	10:43:19	88
	-6.0				
90	50816.0	.05	0.0	10:43:28	88
	-11.6				
100	50806.1	.05	0.0	10:43:37	88
	-21.6				
110	50777.1	.05	0.0	10:43:46	88
	-39.1				
120	50708.1	.06	0.0	10:44:00	88
	-58.9				
130	50638.8	.07	0.0	10:44:30	88
	-64.2				

	-74.4				
190	50477.5	.06	0.0	10:45:28	88
	-72.3				
210	50605.3	.04	0.0	10:45:40	88
	4.8				
220	50691.6	.05	0.0	10:45:51	88
	-2.6				
230	50702.9	.05	0.0	10:46:00	88
	-12.1				
240	50692.7	.05	0.0	10:46:09	88
	-27.9				
250	50673.6	.06	0.0	10:46:17	88
	-48.7				
260	50641.3	.06	0.0	10:46:26	88
	-68.8				

Line: 50 Date: 17 NOV 94 #122

POSITION	FIELD	ERR	DRIFT	TIME	DS
130	50791.4	.06	0.0	10:47:42	88
	-70.3				
120	50790.0	.05	0.0	10:48:02	88
	-40.4				
110	50808.1	.05	0.0	10:48:21	88
	-25.4				
100	50822.2	.05	0.0	10:48:31	88
	-15.6				
90	50830.5	.05	0.0	10:48:40	88
	-10.9				
80	50835.5	.04	0.0	10:49:20	88
	-2.9				
70	50834.4	.05	0.0	10:49:29	88
	-1.3				
60	50827.4	.05	0.0	10:49:38	88
	0.0				
50	50810.6	.05	0.0	10:49:49	88
	1.3				
40	50776.0	.05	0.0	10:49:58	88
	-3.8				
30	50730.5	.05	0.0	10:50:07	88
	-16.6				
20	50702.0	.05	0.0	10:50:29	88
	-8.5				
10	50605.4	.05	0.0	10:50:39	88
	-17.5				
0	50188.7	.14	0.0	10:50:54	78
	-450.1				

Line: 60 Date: 17 NOV 94 #136

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50258.1	.16	0.0	10:51:06	78
	-406.7				
10	50703.7	.05	0.0	10:51:28	88
	58.2				
20	50678.6	.05	0.0	10:51:38	88
	-41.2				
30	50731.0	.05	0.0	10:51:46	88
	-13.1				
40	50786.5	.05	0.0	10:51:56	88
	-1.0				
50	50822.6	.04	0.0	10:52:04	88
	1.7				
60	50836.9	.05	0.0	10:52:13	88
	0.0				
70	50845.0	.04	0.0	10:52:22	88
	-0.8				

-3.8

Line: 70 Date: 17 NOV 94 #145

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50848.4	.05	0.0	10:52:54	88
	-3.1				
70	50847.9	.04	0.0	10:53:09	88
	-0.3				
60	50840.7	.04	0.0	10:53:17	88
	1.2				
50	50823.9	.05	0.0	10:53:27	88
	4.3				
40	50781.3	.06	0.0	10:53:36	88
	1.8				
30	50676.8	.06	0.0	10:53:45	88
	-42.5				
20	50628.1	.06	0.0	10:54:16	88
	-74.1				
10	50683.9	.06	0.0	10:54:29	88
	31.3				
0	50261.2	.09	0.0	10:55:21	88
	-333.5				

Line: 80 Date: 17 NOV 94 #154

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50189.2	.19	0.0	10:56:45	78
	-403.5				
10	50613.8	.04	0.0	10:57:09	88
	-4.6				
20	50656.4	.06	0.0	10:57:19	88
	-44.1				
30	50687.7	.05	0.0	10:57:27	88
	-43.7				
40	50779.6	.05	0.0	10:57:38	88
	-0.6				
50	50826.8	.05	0.0	10:57:46	88
	3.3				
60	50840.6	.05	0.0	10:57:55	88
	1.5				
70	50847.2	.05	0.0	10:58:04	88
	-1.1				
80	50846.9	.06	0.0	10:58:13	88
	-3.9				

Line: 90 Date: 17 NOV 94 #163

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50843.2	.04	0.0	10:58:24	88
	-3.1				
70	50840.1	.05	0.0	10:58:39	88
	-1.6				
60	50832.2	.05	0.0	10:58:48	88
	0.5				
50	50815.4	.05	0.0	10:58:58	88
	3.0				
40	50763.7	.05	0.0	10:59:07	88
	-8.4				
30	50710.8	.05	0.0	10:59:17	88
	-32.1				
20	50729.4	.05	0.0	10:59:29	88
	18.5				
10	50604.4	.05	0.0	10:59:38	88
	-25.6				
0	50215.2	.09	0.0	10:59:47	88
	-324.7				

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50308.6	.08	0.0	10:59:59	88
	-305.3				
10	50622.5	.05	0.0	11:00:12	88
	-36.1				
20	50731.2	.05	0.0	11:00:21	88
	-6.3				
30	50735.1	.05	0.0	11:00:29	88
	-30.4				
40	50776.3	.05	0.0	11:00:39	88
	-9.6				
50	50809.4	.04	0.0	11:00:47	88
	-2.4				
60	50820.4	.05	0.0	11:00:56	88
	-1.9				
70	50828.5	.05	0.0	11:01:06	88
	-2.0				
80	50836.8	.05	0.0	11:01:15	88
	-2.3				

Line: 110 Date: 17 NOV 94 #181

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50816.9	.05	0.0	11:01:29	88
	-2.9				
70	50784.2	.05	0.0	11:01:45	88
	-11.6				
60	50791.4	.05	0.0	11:01:56	88
	-13.6				
50	50808.3	.05	0.0	11:02:05	88
	-9.2				
40	50794.2	.05	0.0	11:02:13	88
	-14.8				
30	50770.4	.06	0.0	11:02:22	88
	-24.8				
20	50744.2	.06	0.0	11:02:31	88
	-21.7				
10	50659.6	.06	0.0	11:02:40	88
	-47.0				
0	50327.3	.12	0.0	11:02:49	88
	-356.7				

Line: 120 Date: 17 NOV 94 #190

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50467.6	.12	0.0	11:02:59	88
	-284.8				
10	50762.7	.05	0.0	11:03:14	88
	-3.4				
20	50828.0	.05	0.0	11:03:22	88
	16.2				
30	50875.3	.06	0.0	11:03:31	88
	62.7				
40	50869.3	.05	0.0	11:03:39	88
	53.0				
50	50851.9	.05	0.0	11:03:48	88
	50.4				
60	50756.2	.05	0.0	11:03:58	88
	-14.3				
70	50716.6	.07	0.0	11:04:07	88
	-55.1				
80	50796.5	.05	0.0	11:04:17	88
	-5.6				

Line: 130 Date: 17 NOV 94 #199

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50777.8	.05	0.0	11:04:27	88

70	50664.8	.07	0.0	11:04:41	88
	-102.3				
60	50710.0	.06	0.0	11:04:54	88
	-47.3				
50	50771.0	.05	0.0	11:05:03	88
	-17.4				
40	50729.5	.07	0.0	11:05:12	88
	-70.9				
30	50765.7	.06	0.0	11:05:21	88
	-41.0				
20	50774.1	.06	0.0	11:05:31	88
	-31.4				
10	50793.3	.05	0.0	11:05:40	88
	1.1				
0	50518.0	.12	0.0	11:05:50	88
	-252.8				

Line: 140 Date: 17 NOV 94 #208

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50495.9	.07	0.0	11:06:02	88
	-264.2				
10	50720.6	.06	0.0	11:06:18	88
	-52.7				
20	50735.8	.05	0.0	11:06:27	88
	-52.5				
30	50725.6	.05	0.0	11:06:36	88
	-58.2				
40	50719.8	.05	0.0	11:06:45	88
	-56.3				
50	50751.3	.06	0.0	11:06:54	88
	-31.2				
60	50743.9	.05	0.0	11:07:03	88
	-40.4				
70	50800.6	.05	0.0	11:07:11	88
	-7.8				
80	50819.6	.05	0.0	11:07:20	88
	-7.8				

Line: 150 Date: 17 NOV 94 #217

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	50884.3	.05	0.0	11:07:30	88
	-1.4				
70	50904.1	.05	0.0	11:07:44	88
	48.6				
60	50816.4	.05	0.0	11:07:53	88
	-22.0				
50	50845.3	.06	0.0	11:08:01	88
	58.0				
40	50806.3	.05	0.0	11:08:10	88
	-3.4				
30	50844.7	.05	0.0	11:08:18	88
	51.3				
20	50817.1	.04	0.0	11:08:28	88
	6.7				
10	50816.6	.05	0.0	11:08:36	88
	12.1				
0	50580.9	.09	0.0	11:08:48	88
	-204.2				

Line: 160 Date: 17 NOV 94 #226

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50670.9	.07	0.0	11:09:00	88
	-105.6				
10	50814.0	.05	0.0	11:09:22	88
	-4.2				

	-17.3				
30	50798.5	.05	0.0	11:09:40	88
	-17.0				
40	50792.1	.05	0.0	11:09:48	88
	-9.9				
50	50803.3	.05	0.0	11:09:57	88
	-5.6				
60	50818.6	.05	0.0	11:10:07	88
	-18.4				
70	50888.9	.05	0.0	11:10:17	88
	-7.9				
80	50937.8	.06	0.0	11:10:26	88
	-34.6				

Line: 170 Date: 17 NOV 94 #235

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	51200.6	.07	0.0	11:10:38	88
	67.8				
70	50940.5	.06	0.0	11:10:53	88
	-6.7				
60	50776.6	.05	0.0	11:11:03	88
	-38.1				
50	50730.3	.05	0.0	11:11:12	88
	-38.7				
40	50734.9	.06	0.0	11:11:22	88
	-46.4				
30	50778.6	.06	0.0	11:11:35	88
	-33.8				
20	50772.4	.06	0.0	11:11:47	88
	-55.9				
10	50706.6	.06	0.0	11:11:56	88
	-76.2				
0	50511.0	.11	0.0	11:12:08	88
	-287.9				

Line: 180 Date: 17 NOV 94 #244

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50497.8	.24	0.0	11:12:23	78
	-398.9				
10	50929.0	.04	0.0	11:12:40	88
	-29.8				
20	50933.6	.05	0.0	11:12:48	88
	-41.3				
30	50907.6	.05	0.0	11:12:58	88
	18.7				
40	50687.0	.07	0.0	11:13:06	88
	-100.7				
50	50735.3	.05	0.0	11:13:15	88
	14.6				
60	50755.6	.05	0.0	11:13:25	88
	-45.4				
70	51032.4	.04	0.0	11:13:33	88
	10.9				
80	51577.5	.19	0.0	11:13:43	78
	385.1				

Line: 190 Date: 17 NOV 94 #253

POSITION	FIELD	ERR	DRIFT	TIME	DS
80	51364.7	.11	0.0	11:13:54	88
	255.5				
70	50857.5	.06	0.0	11:14:11	88
	-35.5				
60	50587.7	.09	0.0	11:14:20	88
	-154.1				
50	50564.1	.08	0.0	11:14:29	88

40	50664.3	.10	0.0	11:14:38	88
	-202.4				
30	51310.0	.30	0.0	11:14:47	78
	370.2				
20	51208.9	.06	0.0	11:14:56	88
	-7.8				
10	51568.7	1.1	0.0	11:15:20	58
	565.2				
0	50795.0	.08	0.0	11:15:29	88
	-139.4				

Line: 200 Date: 17 NOV 94 #262

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50747.0	.09	0.0	11:15:45	88
	-203.5				
10	51194.1	.14	0.0	11:16:13	88
	93.2				
20	51040.6	.06	0.0	11:16:22	88
	-36.2				
30	51031.5	.07	0.0	11:16:31	88
	116.5				
40	50628.7	.07	0.0	11:16:41	88
	-120.5				
50	50526.3	.09	0.0	11:17:31	88
	-114.7				
60	50602.0	.07	0.0	11:18:02	88
	-91.3				
70	50807.3	.06	0.0	11:18:10	88
	-25.2				
80	50954.1	.05	0.0	11:18:20	88
	2.3				
90	50949.4	.05	0.0	11:18:29	88
	24.7				
100	50911.7	.07	0.0	11:18:38	88
	139.7				
110	50696.2	.05	0.0	11:18:46	88
	0.0				
120	50610.4	.07	0.0	11:18:56	88
	-50.2				
130	50659.1	.05	0.0	11:19:06	88
	-17.5				
140	50705.5	.06	0.0	11:19:16	88
	-15.1				

Line: 210 Date: 17 NOV 94 #277

POSITION	FIELD	ERR	DRIFT	TIME	DS
140	50717.0	.05	0.0	11:19:29	88
	-18.2				
130	50674.9	.06	0.0	11:19:45	88
	-17.4				
120	50648.0	.06	0.0	11:19:55	88
	-61.4				
110	50782.7	.05	0.0	11:20:04	88
	3.3				
100	50964.7	.06	0.0	11:20:13	88
	95.4				
90	50948.3	.06	0.0	11:20:22	88
	50.8				
80	50870.2	.05	0.0	11:20:31	88
	-1.8				
70	50805.9	.05	0.0	11:20:41	88
	3.6				
60	50721.7	.05	0.0	11:20:50	88
	-13.8				
50	50648.6	.06	0.0	11:20:59	88

40	50667.8	.06	0.0	11:21:07	88
	-73.6				
30	50803.9	.05	0.0	11:21:23	88
	-25.4				
20	50886.6	.04	0.0	11:21:44	88
	1.4				
10	50813.2	.05	0.0	11:21:54	88
	-24.7				
0	50432.5	.11	0.0	11:22:05	88
	-336.1				

Line: 220 Date: 17 NOV 94 #292

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50378.8	.08	0.0	11:22:17	88
	-256.7				
10	50770.1	.05	0.0	11:22:39	88
	-0.3				
20	50822.8	.05	0.0	11:22:48	88
	-0.2				
30	50740.3	.05	0.0	11:22:57	88
	-50.4				
40	50723.4	.06	0.0	11:23:07	88
	-24.5				
50	50717.1	.05	0.0	11:23:17	88
	-34.7				
60	50771.0	.05	0.0	11:23:28	88
	-1.7				
70	50803.3	.05	0.0	11:23:36	88
	-5.8				
80	50830.1	.05	0.0	11:23:46	88
	-3.4				
90	50843.0	.04	0.0	11:23:55	88
	-0.6				
100	50814.8	.06	0.0	11:24:04	88
	0.5				
110	50708.2	.06	0.0	11:24:12	88
	-38.5				
120	50670.2	.06	0.0	11:24:21	88
	-40.3				
130	50715.6	.05	0.0	11:24:30	88
	-3.0				
140	50759.5	.05	0.0	11:24:40	88
	5.0				
150	50793.0	.05	0.0	11:24:49	88
	7.6				
160	50794.6	.05	0.0	11:24:58	88
	-2.0				
170	50809.9	.05	0.0	11:25:06	88
	3.0				
180	50815.7	.05	0.0	11:25:15	88
	3.4				
190	50810.5	.05	0.0	11:25:24	88
	3.0				
200	50795.3	.04	0.0	11:25:34	88
	-1.7				
210	50777.0	.05	0.0	11:25:43	88
	-1.2				
220	50750.6	.05	0.0	11:25:52	88
	-1.0				
230	50731.9	.05	0.0	11:26:01	88
	-0.2				
240	50732.8	.05	0.0	11:26:10	88
	4.0				
250	50755.3	.06	0.0	11:26:19	88
	4.0				

	9.3				
270	50808.1	.05	0.0	11:26:37	88
	5.3				
280	50823.4	.04	0.0	11:26:46	88
	4.2				
290	50836.8	.05	0.0	11:26:55	88
	3.3				
300	50840.9	.05	0.0	11:27:04	88
	0.6				
310	50837.8	.05	0.0	11:27:13	88
	-5.7				
320	50823.5	.06	0.0	11:27:23	88
	-25.0				
330	50846.9	.07	0.0	11:27:32	88
	-122.8				

Line: 230 Date: 17 NOV 94 #326

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50833.1	.06	0.0	11:27:53	88
	-120.5				
320	50828.2	.06	0.0	11:28:08	88
	-26.3				
310	50842.9	.05	0.0	11:28:17	88
	-6.1				
300	50848.5	.05	0.0	11:28:26	88
	0.0				
290	50845.8	.05	0.0	11:28:35	88
	2.5				
280	50839.2	.05	0.0	11:28:47	88
	3.4				
270	50829.9	.05	0.0	11:28:56	88
	4.4				
260	50816.8	.05	0.0	11:29:06	88
	4.5				
250	50806.6	.05	0.0	11:29:15	88
	4.9				
240	50796.8	.05	0.0	11:29:25	88
	4.1				
230	50791.4	.06	0.0	11:29:34	88
	-6.2				
220	50816.7	.05	0.0	11:29:46	88
	16.1				
210	50815.5	.05	0.0	11:29:55	88
	3.1				
200	50817.2	.05	0.0	11:30:06	88
	1.4				
190	50822.8	.05	0.0	11:30:15	88
	4.2				
180	50821.0	.05	0.0	11:30:25	88
	4.5				
170	50808.4	.05	0.0	11:30:37	88
	2.0				
160	50793.1	.05	0.0	11:30:51	88
	-9.3				
150	50798.8	.05	0.0	11:31:01	88
	17.0				
140	50759.6	.06	0.0	11:31:13	88
	6.4				
130	50711.1	.05	0.0	11:31:23	88
	-2.6				
120	50683.3	.05	0.0	11:31:33	88
	-15.7				
110	50687.0	.05	0.0	11:31:43	88
	-27.9				
100	50728.1	.05	0.0	11:31:53	88

[illegible]	[illegible]	.06	[illegible]	[illegible]	88
	-26.5				
80	50796.1	.05	0.0	11:32:13	88
	-19.0				
70	50792.3	.05	0.0	11:32:23	88
	-19.9				
60	50779.7	.05	0.0	11:32:32	88
	-16.7				
50	50767.8	.05	0.0	11:32:43	88
	-20.2				
40	50764.4	.06	0.0	11:32:53	88
	-10.5				
30	50745.8	.05	0.0	11:33:03	88
	-35.7				
20	50776.0	.05	0.0	11:33:15	88
	-3.4				
10	50709.7	.07	0.0	11:33:23	88
	3.3				
0	50334.5	.08	0.0	11:33:36	88
	-254.8				

Line: 240 Date: 17 NOV 94 #360

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50320.2	.08	0.0	11:34:01	88
	-296.2				
10	50634.5	.06	0.0	11:34:22	88
	-58.0				
20	50732.9	.06	0.0	11:34:35	88
	-32.5				
30	50765.8	.05	0.0	11:36:44	88
	-27.2				
40	50792.0	.05	0.0	11:36:54	88
	-23.7				
50	50816.6	.06	0.0	11:37:04	88
	-22.3				
60	50818.7	.05	0.0	11:37:13	88
	-25.0				
70	50820.2	.05	0.0	11:37:23	88
	-29.5				
80	50839.7	.06	0.0	11:37:36	88
	-27.3				
90	50809.1	.05	0.0	11:37:46	88
	-34.3				
100	50716.7	.06	0.0	11:37:57	88
	-43.9				
110	50658.1	.06	0.0	11:38:06	88
	-34.8				
120	50657.4	.07	0.0	11:38:16	88
	-19.9				
130	50669.1	.06	0.0	11:38:26	88
	-13.9				
140	50720.7	.05	0.0	11:38:35	88
	-1.5				
150	50801.4	.05	0.0	11:38:44	88
	30.9				
160	50804.2	.05	0.0	11:38:53	88
	4.7				
170	50809.5	.04	0.0	11:39:03	88
	1.6				
180	50819.9	.05	0.0	11:39:12	88
	3.8				
190	50824.3	.05	0.0	11:39:21	88
	4.7				
200	50825.2	.05	0.0	11:39:32	88
	3.9				

	3.3				
220	50823.3	.05	0.0	11:39:52	88
	4.7				
230	50811.8	.06	0.0	11:40:01	88
	-3.8				
240	50823.9	.05	0.0	11:40:11	88
	4.4				
250	50831.2	.05	0.0	11:40:20	88
	.4.0				
260	50837.3	.05	0.0	11:40:29	88
	4.3				
270	50843.3	.05	0.0	11:40:39	88
	3.0				
280	50846.6	.06	0.0	11:40:50	88
	2.2				
290	50850.3	.05	0.0	11:41:00	88
	1.9				
300	50849.8	.05	0.0	11:41:10	88
	0.1				
310	50840.6	.05	0.0	11:41:19	88
	-6.6				
320	50825.7	.05	0.0	11:41:29	88
	-27.4				
330	50831.1	.07	0.0	11:41:38	88
	-121.5				

Line: 250 Date: 17 NOV 94 #394

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50820.8	.07	0.0	11:41:54	88
	-86.7				
320	50824.6	.05	0.0	11:42:13	88
	-22.7				
310	50842.4	.06	0.0	11:42:22	88
	-5.6				
300	50848.7	.06	0.0	11:42:32	88
	-0.8				
290	50854.0	.05	0.0	11:42:41	88
	1.5				
280	50852.7	.05	0.0	11:42:50	88
	2.4				
270	50851.1	.05	0.0	11:42:59	88
	2.8				
260	50847.6	.05	0.0	11:43:09	88
	3.8				
250	50844.4	.05	0.0	11:43:18	88
	3.7				
240	50839.8	.05	0.0	11:43:28	88
	4.4				
230	50832.9	.05	0.0	11:43:38	88
	3.3				
220	50831.6	.05	0.0	11:43:48	88
	3.6				
210	50826.6	.06	0.0	11:43:58	88
	2.2				
200	50823.9	.05	0.0	11:44:09	88
	5.9				
190	50813.5	.05	0.0	11:44:18	88
	4.8				
180	50808.8	.05	0.0	11:44:28	88
	3.2				
170	50809.1	.05	0.0	11:44:37	88
	1.9				
160	50804.7	.05	0.0	11:44:47	88
	6.7				
150	50699.5	.05	0.0	11:44:56	88

140	50550.2	.07	0.0	11:45:07	88
	-82.7				
130	50531.6	.06	0.0	11:45:16	88
	-57.4				
120	50610.5	.06	0.0	11:45:25	88
	9.6				
110	50631.3	.07	0.0	11:45:34	88
	-71.3				
100	50887.6	.06	0.0	11:45:45	88
	72.3				
90	51127.3	.07	0.0	11:45:55	88
	156.3				
80	51078.7	.08	0.0	11:46:04	88
	97.1				
70	50937.9	.06	0.0	11:46:14	88
	-13.5				
60	50998.2	.05	0.0	11:46:25	88
	37.1				
50	50946.3	.05	0.0	11:46:35	88
	5.2				
40	50867.2	.05	0.0	11:46:45	88
	-15.8				
30	50796.6	.06	0.0	11:46:56	88
	-30.8				
20	50743.3	.05	0.0	11:47:05	88
	-35.9				
10	50646.7	.07	0.0	11:47:16	88
	-61.4				
0	50396.9	.07	0.0	11:47:34	88
	-254.5				

Line: 260 Date: 17 NOV 94 #428

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50477.9	.09	0.0	11:47:51	88
	-301.7				
10	50743.4	.05	0.0	11:48:06	88
	-20.8				
20	50846.1	.05	0.0	11:48:15	88
	-2.8				
30	50897.1	.05	0.0	11:48:24	88
	1.7				
40	51012.3	.06	0.0	11:48:32	88
	62.0				
50	51135.4	.06	0.0	11:48:46	88
	123.5				
60	51161.2	.07	0.0	11:48:55	88
	181.9				
70	50965.1	.06	0.0	11:49:04	88
	-31.2				
80	51158.6	.08	0.0	11:49:12	88
	172.4				
90	51104.3	.07	0.0	11:49:22	88
	104.5				
100	50853.9	.06	0.0	11:49:31	88
	26.0				
110	50553.2	.07	0.0	11:49:40	88
	-82.9				
120	50468.3	.08	0.0	11:49:49	88
	-104.2				
130	50402.2	.06	0.0	11:49:58	88
	-141.7				
140	50487.5	.08	0.0	11:50:09	88
	-148.8				
150	50719.4	.04	0.0	11:50:20	88
	-7.3				

	21.6				
170	50809.1	.05	0.0	11:50:39	88
	0.5				
180	50775.6	.05	0.0	11:50:48	88
	-7.6				
190	50790.8	.05	0.0	11:50:57	88
	-0.3				
200	50813.0	.05	0.0	11:51:07	88
	5.1				
210	50829.5	.06	0.0	11:51:17	88
	5.6				
220	50835.4	.05	0.0	11:51:26	88
	4.5				
230	50838.5	.04	0.0	11:51:35	88
	4.5				
240	50843.6	.05	0.0	11:51:44	88
	4.5				
250	50847.3	.05	0.0	11:51:53	88
	4.1				
260	50850.2	.05	0.0	11:52:02	88
	3.4				
270	50852.5	.05	0.0	11:52:11	88
	3.1				
280	50853.3	.04	0.0	11:52:19	88
	3.0				
290	50851.9	.05	0.0	11:52:30	88
	0.8				
300	50845.6	.06	0.0	11:52:39	88
	-0.4				
310	50838.1	.05	0.0	11:52:49	88
	-5.4				
320	50815.9	.06	0.0	11:52:58	88
	-22.1				
330	50796.0	.06	0.0	11:53:07	88
	-88.4				

Line: 270 Date: 17 NOV 94 #462

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50785.7	.06	0.0	11:53:23	88
	-64.3				
320	50812.7	.06	0.0	11:53:39	88
	-18.9				
310	50832.1	.05	0.0	11:53:48	88
	-6.1				
300	50843.8	.05	0.0	11:53:58	88
	-0.7				
290	50848.0	.05	0.0	11:54:17	88
	0.9				
280	50849.8	.05	0.0	11:54:27	88
	1.3				
270	50850.1	.05	0.0	11:54:38	88
	2.3				
260	50849.2	.05	0.0	11:54:47	88
	3.5				
250	50846.6	.05	0.0	11:54:56	88
	5.0				
240	50841.5	.06	0.0	11:55:05	88
	5.0				
230	50836.5	.05	0.0	11:55:14	88
	4.1				
220	50845.1	.05	0.0	11:55:24	88
	16.4				
210	50832.0	.05	0.0	11:55:33	88
	17.5				
200	50788.0	.05	0.0	11:55:41	88

190	50758.7	.05	0.0	11:55:50	88
	-5.3				
180	50692.6	.05	0.0	11:55:59	88
	-51.1				
170	50823.2	.05	0.0	11:56:07	88
	2.9				
160	50968.1	.08	0.0	11:56:16	88
	76.1				
150	50842.3	.06	0.0	11:56:25	88
	25.6				
140	50636.4	.07	0.0	11:56:34	88
	-19.9				
130	50510.6	.07	0.0	11:56:43	88
	-73.4				
120	50538.3	.06	0.0	11:56:53	88
	-84.7				
110	50643.4	.06	0.0	11:57:02	88
	-78.5				
100	50790.0	.05	0.0	11:57:10	88
	-4.0				
90	50831.2	.06	0.0	11:57:20	88
	-25.3				
80	50819.0	.05	0.0	11:57:29	88
	-41.6				
70	50869.6	.05	0.0	11:57:38	88
	-1.2				
60	51007.9	.05	0.0	11:57:47	88
	84.3				
50	50977.3	.07	0.0	11:57:56	88
	70.7				
40	50934.3	.06	0.0	11:58:05	88
	9.6				
30	50962.2	.05	0.0	11:58:14	88
	29.2				
20	50916.9	.07	0.0	11:58:23	88
	21.0				
10	50702.9	.09	0.0	11:58:36	88
	-120.3				
0	50525.3	.22	0.0	11:59:10	78
	-439.7				

Line: 280 Date: 17 NOV 94 #496

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50694.8	.12	0.0	11:59:27	88
	-302.7				
10	50850.4	.07	0.0	11:59:42	88
	-63.2				
20	50975.0	.05	0.0	11:59:52	88
	17.4				
30	50937.8	.05	0.0	12:00:01	88
	18.6				
40	50758.7	.08	0.0	12:00:09	88
	-65.3				
50	50721.5	.06	0.0	12:00:18	88
	-67.7				
60	50753.7	.05	0.0	12:00:27	88
	-51.8				
70	50707.9	.06	0.0	12:00:36	88
	-69.2				
80	50696.1	.06	0.0	12:00:46	88
	-61.8				
90	50733.6	.06	0.0	12:00:54	88
	-49.9				
100	50805.6	.06	0.0	12:01:03	88
	-27.6				

	45.1				
120	50712.6	.06	0.0	12:01:22	88
	-14.5				
130	50594.7	.06	0.0	12:01:31	88
	-59.7				
140	50754.3	.05	0.0	12:01:39	88
	-5.3				
150	50995.7	.05	0.0	12:01:47	88
	57.1				
160	51156.3	.07	0.0	12:01:56	88
	173.6				
170	50766.6	.06	0.0	12:02:05	88
	-49.2				
180	50597.1	.07	0.0	12:02:14	88
	-75.1				
190	50682.7	.05	0.0	12:02:22	88
	-7.6				
200	50754.4	.06	0.0	12:02:31	88
	8.7				
210	50810.1	.05	0.0	12:02:39	88
	28.8				
220	50807.5	.05	0.0	12:02:49	88
	3.8				
230	50820.2	.05	0.0	12:02:57	88
	3.5				
240	50835.0	.05	0.0	12:03:06	88
	4.9				
250	50840.3	.05	0.0	12:03:15	88
	4.0				
260	50842.3	.04	0.0	12:03:23	88
	2.4				
270	50842.9	.05	0.0	12:03:32	88
	1.8				
280	50843.1	.05	0.0	12:03:40	88
	0.9				
290	50840.6	.05	0.0	12:03:49	88
	0.3				
300	50834.5	.05	0.0	12:03:58	88
	-1.4				
310	50821.6	.05	0.0	12:04:07	88
	-7.3				
320	50797.7	.05	0.0	12:04:16	88
	-23.3				
330	50765.2	.07	0.0	12:04:25	88
	-87.4				

Line: 290 Date: 17 NOV 94 #530

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50751.5	.06	0.0	12:04:37	88
	-82.1				
320	50779.4	.06	0.0	12:04:55	88
	-27.6				
310	50804.0	.05	0.0	12:05:04	88
	-9.9				
300	50815.4	.05	0.0	12:05:15	88
	-4.3				
290	50822.0	.06	0.0	12:05:23	88
	-1.9				
280	50825.2	.05	0.0	12:05:32	88
	-0.5				
270	50823.9	.05	0.0	12:05:41	88
	-0.2				
260	50824.8	.05	0.0	12:05:49	88
	1.4				
250	50821.9	.05	0.0	12:05:58	88

240	50816.8	.09	0.0	12:06:07	88
	5.2				
230	50791.6	.06	0.0	12:06:16	88
	6.1				
220	50745.1	.05	0.0	12:06:25	88
	-14.1				
210	50720.9	.05	0.0	12:06:34	88
	2.1				
200	50668.2	.05	0.0	12:06:43	88
	8.5				
190	50501.6	.06	0.0	12:06:51	88
	-35.7				
180	50432.1	.06	0.0	12:07:00	88
	-131.2				
170	50961.1	.10	0.0	12:07:09	88
	75.7				
160	51342.6	.09	0.0	12:07:18	88
	276.7				
150	51005.1	.07	0.0	12:07:27	88
	53.9				
140	50687.7	.07	0.0	12:07:36	88
	-28.1				
130	50462.2	.07	0.0	12:07:45	88
	-185.5				
120	50924.8	.12	0.0	12:07:54	88
	90.1				
110	51252.3	.08	0.0	12:08:03	88
	269.8				
100	50941.1	.06	0.0	12:08:12	88
	30.4				
90	50719.1	.05	0.0	12:08:21	88
	-39.0				
80	50666.7	.07	0.0	12:08:30	88
	-56.2				
70	50745.7	.05	0.0	12:08:38	88
	-1.5				
60	50680.5	.05	0.0	12:08:47	88
	-20.3				
50	50510.8	.08	0.0	12:08:56	88
	-146.1				
40	50652.5	.07	0.0	12:09:05	88
	-91.6				
30	50954.9	.05	0.0	12:09:14	88
	27.1				
20	50997.2	.06	0.0	12:09:24	88
	-38.4				
10	51097.5	.07	0.0	12:09:33	88
	93.2				
0	50779.6	.10	0.0	12:09:42	88
	-252.3				

Line: 300 Date: 17 NOV 94 #564

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50809.0	.08	0.0	12:09:53	88
	-184.9				
10	51199.4	.07	0.0	12:10:08	88
	93.3				
20	51100.9	.05	0.0	12:10:17	88
	-32.7				
30	51051.4	.06	0.0	12:10:26	88
	118.2				
40	50559.2	.09	0.0	12:10:35	88
	-100.3				
50	50405.4	.09	0.0	12:10:44	88
	-189.0				

	45.3				
70	50832.4	.07	0.0	12:11:02	88
	97.6				
80	50601.3	.09	0.0	12:11:11	88
	-98.9				
90	50674.2	.07	0.0	12:11:20	88
	-71.3				
100	50991.2	.05	0.0	12:11:29	88
	36.5				
110	51266.6	.08	0.0	12:11:38	88
	260.5				
120	50722.5	.07	0.0	12:11:49	88
	-82.9				
130	50337.6	.08	0.0	12:12:04	88
	-249.5				
140	50679.9	.05	0.0	12:12:13	88
	-43.0				
150	51044.3	.07	0.0	12:12:22	88
	67.3				
160	51330.3	.09	0.0	12:12:31	88
	288.7				
170	50831.4	.07	0.0	12:12:41	88
	89.8				
180	50119.6	.17	0.0	12:12:50	78
	-323.1				
190	50339.8	.09	0.0	12:13:00	88
	-74.2				
200	50588.9	.05	0.0	12:13:08	88
	6.1				
210	50687.0	.06	0.0	12:13:18	88
	3.8				
220	50733.2	.06	0.0	12:13:27	88
	2.2				
230	50770.0	.05	0.0	12:13:36	88
	2.3				
240	50787.6	.05	0.0	12:13:45	88
	0.4				
250	50795.2	.06	0.0	12:13:54	88
	-2.9				
260	50793.8	.05	0.0	12:14:04	88
	-5.2				
270	50790.5	.05	0.0	12:14:13	88
	-6.9				
280	50787.9	.05	0.0	12:14:22	88
	-7.9				
290	50785.8	.05	0.0	12:14:31	88
	-9.8				
300	50780.7	.05	0.0	12:14:40	88
	-14.3				
310	50767.7	.06	0.0	12:14:49	88
	-20.0				
320	50737.3	.06	0.0	12:14:58	88
	-40.6				
330	50709.1	.07	0.0	12:15:07	88
	-147.0				

Line: 310 Date: 17 NOV 94 #598

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50628.4	.08	0.0	12:15:22	88
	-143.4				
320	50675.0	.07	0.0	12:15:36	88
	-73.1				
310	50709.8	.06	0.0	12:15:45	88
	-57.3				
300	50718.7	.06	0.0	12:15:57	88

NORCAL

OU-5 Landfill Disposal Unit #3

EDA OMNI-IV Tie-line MAG Ser #255150
TOTAL FIELD DATA (uncorrected)
& GRADIENT
Date: 17 NOV 94
Operator: 5444
Reference field: 50000.0
Datum subtracted: 0.0
Records: 290
Bat: 16.3 Volt Lithium: 3.52 Volt
Last time update: 6/10 17:26:00
Start of print: 11/17 15:52:30

Line: 0 Date: 17 NOV 94 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
160	50284.2	.06	0.0	14:45:25	88
	38.4				
170	50306.5	.04	0.0	14:45:56	88
	-12.5				
180	50221.8	.05	0.0	14:46:05	88
	-51.6				
190	50006.8	.06	0.0	14:46:15	88
	-112.4				
200	49636.7	.06	0.0	14:46:23	88
	-138.2				
210	49335.4	.08	0.0	14:46:34	88
	-60.2				
220	49496.7	.06	0.0	14:46:43	88
	30.7				
230	49915.0	.07	0.0	14:46:58	88
	65.3				
240	50338.6	.05	0.0	14:47:08	88
	-5.1				
250	50641.8	.12	0.0	14:47:18	88
	-138.9				

Line: 10 Date: 17 NOV 94 #11

POSITION	FIELD	ERR	DRIFT	TIME	DS
250	51362.8	.16	0.0	14:47:38	88
	14.5				
240	50137.6	.05	0.0	14:47:53	88
	-25.5				
230	49257.3	.10	0.0	14:48:02	88
	171.1				
190	50053.5	.13	0.0	14:49:10	68
	-464.2				
180	50273.0	.06	0.0	14:49:24	88
	-145.9				
170	50319.8	.04	0.0	14:49:35	88
	-38.8				
160	50511.0	.05	0.0	14:49:45	88
	44.5				

Line: 20 Date: 17 NOV 94 #18

POSITION	FIELD	ERR	DRIFT	TIME	DS

	-226.7				
170	50180.2	.06	0.0	14:50:11	88
	-96.5				
180	50247.4	.08	0.0	14:50:20	88
	-283.0				

Line: 30 Date: 17 NOV 94 #21

POSITION	FIELD	ERR	DRIFT	TIME	DS
180	50128.5	.09	0.0	14:50:50	88
	-352.1				
170	49970.8	.05	0.0	14:51:03	88
	-138.3				
160	49168.1	.13	0.0	14:51:12	78
	-382.2				

Line: 40 Date: 17 NOV 94 #24

POSITION	FIELD	ERR	DRIFT	TIME	DS
160	49225.8	.12	0.0	14:51:24	78
	-426.5				
170	49822.9	.06	0.0	14:51:39	88
	-135.2				
180	49939.8	.10	0.0	14:51:48	88
	-349.8				

Line: 50 Date: 17 NOV 94 #27

POSITION	FIELD	ERR	DRIFT	TIME	DS
180	49861.6	.07	0.0	14:51:57	88
	-277.3				
170	49855.4	.05	0.0	14:52:11	88
	-117.6				
160	49053.9	.10	0.0	14:52:20	78
	-326.4				

Line: 60 Date: 17 NOV 94 #30

POSITION	FIELD	ERR	DRIFT	TIME	DS
160	49274.6	.05	0.0	14:52:42	88
	-108.8				
170	49850.9	.04	0.0	14:52:55	88
	-62.5				
180	49863.2	.06	0.0	14:53:04	88
	-185.2				

Line: 70 Date: 17 NOV 94 #33

POSITION	FIELD	ERR	DRIFT	TIME	DS
180	49988.3	.06	0.0	14:53:21	88
	-98.8				
170	49984.5	.10	0.0	14:53:35	88
	-22.2				
160	49252.0	.09	0.0	14:53:43	88
	159.4				

Line: 80 Date: 17 NOV 94 #36

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	49801.4	.11	0.0	14:54:09	88
	7.3				
110	49826.7	.06	0.0	14:54:28	88
	-6.1				
120	49258.7	.25	0.0	14:54:43	58
	-640.1				
130	48394.1	.33	0.0	14:54:59	58
	-363.4				
140	48873.5	.09	0.0	14:55:09	88
	-37.1				
150	49277.2	.11	0.0	14:55:17	88
	41.0				

	60.3				
170	50174.0	.05	0.0	14:55:35	88
	-19.9				
180	50106.3	.05	0.0	14:55:45	88
	-74.7				
190	49745.8	.05	0.0	14:55:58	88
	-142.9				
200	49098.4	.12	0.0	14:56:11	88
	-177.0				
210	48607.2	.05	0.0	14:56:20	88
	-54.4				
220	48988.0	.05	0.0	14:56:29	88
	125.7				
230	49718.5	.06	0.0	14:56:37	88
	146.9				
240	50089.5	.05	0.0	14:56:47	88
	99.4				
250	50194.0	.06	0.0	14:56:56	88
	57.8				
260	50119.3	.05	0.0	14:57:05	88
	32.3				

Line: 70 Date: 17 NOV 94 #53

POSITION	FIELD	ERR	DRIFT	TIME	DS
260	49533.9	.04	0.0	14:57:22	88
	-1.5				
250	49948.5	.05	0.0	14:57:48	88
	53.3				
240	50011.5	.06	0.0	14:57:58	88
	149.8				
230	49690.4	.18	0.0	14:58:07	88
	409.4				

Line: 60 Date: 17 NOV 94 #57

POSITION	FIELD	ERR	DRIFT	TIME	DS
240	49907.3	.06	0.0	14:58:31	88
	205.9				
250	49596.4	.04	0.0	14:58:55	88
	21.8				

Line: 50 Date: 17 NOV 94 #59

POSITION	FIELD	ERR	DRIFT	TIME	DS
250	49542.0	.07	0.0	14:59:05	88
	-147.0				
240	49696.1	.07	0.0	14:59:20	88
	277.3				

Line: 40 Date: 17 NOV 94 #61

POSITION	FIELD	ERR	DRIFT	TIME	DS
240	49590.1	.08	0.0	14:59:30	88
	234.7				
250	49721.1	.11	0.0	14:59:44	78
	-389.4				

Line: 30 Date: 17 NOV 94 #63

POSITION	FIELD	ERR	DRIFT	TIME	DS
250	49659.7	.10	0.0	14:59:54	88
	-270.3				
240	49597.6	.07	0.0	15:00:09	88
	238.8				

Line: 20 Date: 17 NOV 94 #65

POSITION	FIELD	ERR	DRIFT	TIME	DS
240	49845.7	.07	0.0	15:00:23	88
	82.0				

	-269.6				

Line: 90 Date: 17 NOV 94 #67

POSITION	FIELD	ERR	DRIFT	TIME	DS
260	50396.6	.05	0.0	15:01:08	88
	48.3				
250	50336.9	.06	0.0	15:01:37	88
	77.1				
240	50123.1	.05	0.0	15:01:46	88
	138.5				
230	49450.3	.09	0.0	15:01:54	88
	269.0				
220	47828.1	.34	0.0	15:02:02	68
	184.0				
210	47738.2	.34	0.0	15:02:17	58
	-501.2				
200	48974.8	.14	0.0	15:02:38	58
	-473.1				
190	49818.7	.07	0.0	15:02:47	88
	-329.7				
180	50206.0	.07	0.0	15:02:56	88
	-118.1				
170	50330.6	.06	0.0	15:03:05	88
	-33.1				
160	50303.3	.05	0.0	15:03:15	88
	8.9				
150	50183.5	.05	0.0	15:03:24	88
	31.2				
140	50073.7	.05	0.0	15:03:32	88
	29.7				
130	50037.2	.06	0.0	15:03:41	88
	8.1				
120	50245.7	.05	0.0	15:03:50	88
	-12.9				
110	50345.4	.05	0.0	15:03:59	88
	7.5				
100	50387.7	.04	0.0	15:04:08	88
	10.4				

Line: 100 Date: 17 NOV 94 #84

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50628.4	.04	0.0	15:04:54	88
	-1.0				
110	50571.6	.06	0.0	15:05:08	88
	-0.4				
120	50486.1	.09	0.0	15:05:25	88
	-1.8				
130	50372.1	.05	0.0	15:05:34	88
	12.3				
140	50340.6	.05	0.0	15:05:42	88
	29.7				
150	50408.8	.05	0.0	15:05:51	88
	27.6				
160	50466.1	.05	0.0	15:06:00	88
	1.6				
170	50424.8	.06	0.0	15:06:08	88
	-58.2				
180	50209.7	.09	0.0	15:06:17	88
	-216.7				
240	50214.3	.07	0.0	15:06:38	88
	235.0				
250	50448.3	.08	0.0	15:07:13	88
	94.8				
260	50546.1	.05	0.0	15:07:21	88
	52.8				

Line: 110 Date: 17 NOV 94 #96

POSITION	FIELD	ERR	DRIFT	TIME	DS
260	50601.5	.07	0.0	15:07:31	88
	59.6				
250	50496.8	.06	0.0	15:07:45	88
	120.7				
240	50217.9	.14	0.0	15:07:54	88
	385.6				
180	50224.8	.08	0.0	15:08:21	88
	-284.8				
170	50536.4	.09	0.0	15:08:38	88
	-61.1				
160	50608.5	.06	0.0	15:08:47	88
	42.2				
150	50435.1	.07	0.0	15:08:56	88
	140.6				
140	50151.7	.10	0.0	15:09:05	88
	110.1				
130	50427.5	.05	0.0	15:09:18	88
	-45.0				
120	50715.5	.05	0.0	15:09:27	88
	-67.3				
110	50779.3	.05	0.0	15:09:37	88
	-34.7				
100	50779.4	.04	0.0	15:09:45	88
	-17.4				

Line: 120 Date: 17 NOV 94 #108

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50888.7	.05	0.0	15:09:58	88
	-31.5				
110	50968.5	.06	0.0	15:10:14	88
	-88.4				
120	51235.0	.11	0.0	15:10:23	88
	-342.3				
160	50868.0	.07	0.0	15:10:42	88
	154.2				
170	50657.0	.06	0.0	15:10:56	88
	-40.5				
180	50249.4	.08	0.0	15:11:05	88
	-293.2				
240	50174.7	.16	0.0	15:11:31	88
	336.3				
250	50502.6	.07	0.0	15:11:44	88
	119.2				
260	50631.9	.07	0.0	15:11:53	88
	41.2				

Line: 130 Date: 17 NOV 94 #117

POSITION	FIELD	ERR	DRIFT	TIME	DS
260	50641.8	.06	0.0	15:12:02	88
	43.2				
250	50481.3	.08	0.0	15:12:18	88
	105.2				
240	50085.5	.10	0.0	15:12:27	88
	313.7				
180	50443.9	.07	0.0	15:12:55	88
	-230.9				
170	50816.9	.10	0.0	15:13:10	88
	-14.2				
160	51295.9	.12	0.0	15:13:20	88
	339.1				
110	51225.5	.08	0.0	15:13:57	88
	-138.4				
100	50973.1	.06	0.0	15:14:10	88

Line:	140	Date: 17 NOV 94	#125		
POSITION	FIELD	ERR	DRIFT	TIME	DS
100	51000.8	.06	0.0	15:14:22	88
	-60.4				
110	51241.7	.07	0.0	15:14:38	88
	-192.3				
160	51368.2	.11	0.0	15:15:04	88
	321.6				
170	50889.4	.06	0.0	15:15:26	88
	-6.2				
180	50554.5	.08	0.0	15:15:35	88
	-173.5				
240	50145.2	.10	0.0	15:15:57	88
	233.6				
250	50501.0	.07	0.0	15:16:11	88
	74.7				
260	50661.7	.05	0.0	15:16:20	88
	28.0				

Line:	150	Date: 17 NOV 94	#133		
POSITION	FIELD	ERR	DRIFT	TIME	DS
260	50620.3	.05	0.0	15:16:32	88
	20.8				
250	50504.3	.07	0.0	15:16:47	88
	42.5				
240	50320.7	.10	0.0	15:17:11	88
	248.9				
190	50349.6	.09	0.0	15:17:37	88
	-238.9				
180	50769.9	.05	0.0	15:17:51	88
	-57.9				
170	50968.8	.05	0.0	15:18:02	88
	23.1				
160	51057.8	.07	0.0	15:18:11	88
	142.3				
110	51008.6	.07	0.0	15:18:41	88
	-134.0				
100	51002.2	.05	0.0	15:18:57	88
	-26.3				

Line:	160	Date: 17 NOV 94	#142		
POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50998.7	.05	0.0	15:19:10	88
	-24.0				
110	50863.0	.06	0.0	15:19:24	88
	-61.6				
120	50741.4	.08	0.0	15:19:34	88
	-161.2				
130	50600.7	.08	0.0	15:19:49	88
	-291.6				
140	50455.6	.07	0.0	15:19:58	88
	-115.0				
150	50693.4	.05	0.0	15:20:07	88
	2.0				
160	50925.3	.04	0.0	15:20:18	88
	34.1				
170	50978.1	.05	0.0	15:20:53	88
	0.7				
180	50948.1	.05	0.0	15:21:02	88
	-12.2				
190	50741.1	.05	0.0	15:21:12	88
	-20.7				
200	50132.9	.05	0.0	15:21:25	88
	-78.6				

	-59.3				
220	49386.9	.05	0.0	15:21:43	88
	39.7				
230	50089.0	.07	0.0	15:21:52	88
	119.6				
240	50394.7	.07	0.0	15:22:01	88
	83.1				
250	50460.6	.06	0.0	15:22:15	88
	-30.4				

Line: 170 Date: 17 NOV 94 #158

POSITION	FIELD	ERR	DRIFT	TIME	DS
250	50400.1	.07	0.0	15:22:27	88
	-60.1				
240	50327.2	.05	0.0	15:22:41	88
	-40.9				
230	50307.3	.05	0.0	15:22:50	88
	41.4				
220	50158.5	.04	0.0	15:22:59	88
	-32.4				
210	50416.3	.06	0.0	15:23:08	88
	-19.9				
200	50899.2	.07	0.0	15:23:17	88
	92.9				
190	51225.7	.06	0.0	15:23:27	88
	105.5				
180	51167.1	.05	0.0	15:23:35	88
	16.8				
170	51041.3	.05	0.0	15:23:47	88
	-10.5				
160	50927.8	.06	0.0	15:23:57	88
	-6.3				
140	50681.8	.06	0.0	15:25:08	88
	-29.7				
130	50615.2	.07	0.0	15:25:21	88
	-63.8				
120	50568.7	.07	0.0	15:25:30	88
	-135.7				
110	50737.0	.05	0.0	15:25:41	88
	-64.7				
100	51065.8	.05	0.0	15:25:52	88
	45.0				

Line: 180 Date: 17 NOV 94 #173

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50931.8	.06	0.0	15:26:03	88
	0.6				
110	50505.8	.09	0.0	15:26:17	88
	-134.6				
120	50443.2	.08	0.0	15:26:26	88
	-135.2				
130	50619.9	.05	0.0	15:26:35	88
	-42.8				
140	50757.3	.06	0.0	15:26:45	88
	-13.7				
150	50871.0	.05	0.0	15:26:54	88
	-13.3				
160	51005.4	.05	0.0	15:27:03	88
	-11.0				
170	51188.0	.04	0.0	15:27:13	88
	0.2				
180	51490.7	.06	0.0	15:27:25	88
	100.8				
190	51630.1	.08	0.0	15:27:34	88
	251.8				

	-110.4				
210	50663.7	.07	0.0	15:27:52	88
	-50.2				
220	50414.7	.06	0.0	15:28:02	88
	-54.0				
230	50381.2	.06	0.0	15:28:11	88
	6.1				
240	50288.6	.05	0.0	15:28:20	88
	-88.0				
250	50403.4	.08	0.0	15:28:28	88
	-62.8				

Line: 190 Date: 17 NOV 94 #189

POSITION	FIELD	ERR	DRIFT	TIME	DS
260	50540.0	.05	0.0	15:28:41	88
	-15.8				
250	50337.3	.05	0.0	15:28:57	88
	-72.6				
240	50228.8	.06	0.0	15:29:31	88
	-102.3				
230	50303.4	.06	0.0	15:29:43	88
	-62.1				
220	50416.1	.06	0.0	15:29:52	88
	-125.8				
210	50837.9	.05	0.0	15:30:02	88
	-69.7				
200	51482.6	.09	0.0	15:30:16	88
	109.5				
190	51972.3	.91	0.0	15:30:26	78
	371.2				
180	51719.2	.07	0.0	15:30:35	88
	161.1				
170	51322.0	.05	0.0	15:30:44	88
	17.8				
160	51068.6	.06	0.0	15:30:54	88
	-5.9				
150	50908.8	.06	0.0	15:31:03	88
	-7.1				
140	50771.0	.04	0.0	15:31:12	88
	-7.4				
130	50584.1	.07	0.0	15:31:21	88
	-36.6				
120	50327.0	.07	0.0	15:31:30	88
	-158.6				
110	50348.0	.08	0.0	15:31:39	88
	-209.7				
100	50803.0	.05	0.0	15:31:49	88
	-79.9				

Line: 200 Date: 17 NOV 94 #206

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50710.1	.05	0.0	15:32:01	88
	-45.5				
110	50246.5	.07	0.0	15:32:16	88
	-201.1				
120	50303.7	.06	0.0	15:32:28	88
	-149.3				
130	50593.7	.06	0.0	15:32:37	88
	-34.2				
140	50804.0	.05	0.0	15:32:47	88
	-6.3				
150	50959.1	.04	0.0	15:32:57	88
	-6.1				
160	51135.2	.04	0.0	15:33:07	88
	-7.2				

	14.0				
180	51870.7	.07	0.0	15:33:26	88
	172.6				
190	52035.2	.09	0.0	15:33:35	88
	297.5				
200	51578.3	.06	0.0	15:33:44	88
	102.5				
210	50982.5	.06	0.0	15:33:59	88
	-9.3				
220	50420.2	.09	0.0	15:34:09	88
	-155.6				
230	50154.3	.06	0.0	15:34:18	88
	-128.2				
240	50080.9	.06	0.0	15:34:27	88
	-162.9				
250	50298.9	.06	0.0	15:34:36	88
	-69.5				
260	50552.2	.05	0.0	15:34:45	88
	-3.3				

Line: 210 Date: 17 NOV 94 #223

POSITION	FIELD	ERR	DRIFT	TIME	DS
260	50523.4	.06	0.0	15:34:56	88
	-2.9				
250	50228.1	.05	0.0	15:35:10	88
	-76.6				
240	49936.0	.07	0.0	15:35:20	88
	-214.7				
230	50024.7	.08	0.0	15:35:29	88
	-224.2				
220	50586.4	.07	0.0	15:35:38	88
	-92.7				
210	51330.9	.06	0.0	15:35:47	88
	104.6				
200	51932.4	.06	0.0	15:35:57	88
	173.0				
190	52105.3	.07	0.0	15:36:07	88
	233.4				
180	51854.5	.07	0.0	15:36:16	88
	139.2				
170	51447.2	.05	0.0	15:36:26	88
	9.6				
160	51149.9	.05	0.0	15:36:35	88
	-6.6				
150	50959.8	.05	0.0	15:36:45	88
	-3.7				
140	50763.6	.05	0.0	15:36:54	88
	-0.8				
130	50522.4	.07	0.0	15:37:03	88
	-37.5				
120	50194.3	.07	0.0	15:37:12	88
	-162.6				
110	50167.1	.08	0.0	15:37:20	88
	-231.8				
100	50643.3	.07	0.0	15:37:29	88
	-112.4				

Line: 220 Date: 17 NOV 94 #240

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50439.4	.09	0.0	15:37:41	88
	-194.8				
110	49987.3	.11	0.0	15:38:02	88
	-303.1				
120	50140.0	.07	0.0	15:38:12	88
	-183.5				

	-41.9				
140	50784.9	.05	0.0	15:38:31	88
	-7.7				
150	50974.9	.05	0.0	15:38:40	88
	-10.3				
160	51175.0	.05	0.0	15:38:50	88
	-11.3				
170	51515.1	.05	0.0	15:39:00	88
	15.1				
180	52043.7	.08	0.0	15:39:09	88
	196.0				
190	52313.6	.08	0.0	15:39:20	88
	290.8				
200	52158.7	.09	0.0	15:39:29	88
	323.9				
210	51521.2	.08	0.0	15:39:39	88
	224.6				
220	50588.8	.09	0.0	15:39:52	88
	-63.6				
230	49973.8	.07	0.0	15:40:01	88
	-211.1				
240	49896.5	.08	0.0	15:40:11	88
	-219.2				
250	50216.7	.05	0.0	15:40:20	88
	-78.5				
260	50529.4	.05	0.0	15:40:30	88
	-8.6				

Line: 230 Date: 17 NOV 94 #257

POSITION	FIELD	ERR	DRIFT	TIME	DS
260	50479.7	.07	0.0	15:40:42	88
	-30.0				
250	50173.9	.06	0.0	15:40:57	88
	-99.1				
240	49802.5	.08	0.0	15:41:06	88
	-269.0				
230	49850.7	.09	0.0	15:41:15	88
	-286.3				
220	50432.4	.09	0.0	15:41:25	88
	-146.9				
210	51522.0	.09	0.0	15:41:35	88
	145.6				
200	52367.9	.18	0.0	15:41:44	88
	386.6				
190	52444.7	.09	0.0	15:41:55	88
	333.5				
180	52031.3	.10	0.0	15:42:05	88
	162.6				
170	51476.1	.05	0.0	15:42:14	88
	4.6				
160	51147.6	.05	0.0	15:42:23	88
	-20.9				
150	50939.2	.05	0.0	15:42:32	88
	-19.0				
140	50744.2	.06	0.0	15:42:41	88
	-18.8				
130	50461.0	.07	0.0	15:42:51	88
	-58.4				
120	50056.8	.07	0.0	15:43:00	88
	-230.1				
110	49961.8	.09	0.0	15:43:09	88
	-308.8				
100	50495.1	.07	0.0	15:43:19	88
	-141.9				

POSITION	FIELD	ERR	DRIFT	TIME	DS
100	50388.5	.12	0.0	15:43:31	88
	-286.0				
110	49993.9	.22	0.0	15:43:46	78
	-398.9				
120	50136.0	.12	0.0	15:43:55	88
	-284.8				
130	50487.0	.07	0.0	15:44:04	88
	-148.0				
140	50740.7	.06	0.0	15:44:12	88
	-94.7				
150	50929.9	.05	0.0	15:44:21	88
	-78.9				
160	51152.3	.06	0.0	15:44:30	88
	-99.0				
170	51461.4	.07	0.0	15:44:40	88
	-91.9				
180	52066.9	.05	0.0	15:44:50	88
	93.5				
190	52533.1	.12	0.0	15:44:59	88
	350.8				
200	52329.4	.23	0.0	15:45:08	78
	425.6				
210	51160.1	.08	0.0	15:45:17	88
	-25.4				
220	50117.9	.20	0.0	15:45:27	88
	-347.4				
230	49730.9	.16	0.0	15:45:37	78
	-384.3				
240	49860.0	.10	0.0	15:45:46	88
	-332.5				
250	50226.0	.06	0.0	15:45:55	88
	-181.8				
260	50542.3	.07	0.0	15:46:08	88
	-135.0				

EOF

NORCAL

Appendix E

RAW EM DATA

OU-1 Southwest Disposal Area

---> Line : 0
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 40 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
40.000	198.400	mS/m	24.361	ppt
45.000	178.000	mS/m	20.580	ppt
50.000	182.400	mS/m	19.664	ppt
55.000	169.200	mS/m	17.136	ppt
60.000	151.600	mS/m	14.619	ppt
65.000	135.400	mS/m	11.994	ppt
70.000	124.200	mS/m	10.079	ppt
75.000	114.600	mS/m	8.562	ppt
80.000	105.200	mS/m	7.189	ppt
85.000	94.600	mS/m	5.708	ppt
90.000	84.800	mS/m	4.335	ppt
95.000	75.800	mS/m	3.287	ppt
100.000	68.000	mS/m	3.071	ppt
105.000	64.400	mS/m	4.492	ppt

---> Line : 5
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 105 Final station : 30 Increment :-5

Station	Conductivity		In-phase	
105.000	56.000	mS/m	3.444	ppt
100.000	56.400	mS/m	1.397	ppt
95.000	58.000	mS/m	1.060	ppt
90.000	62.200	mS/m	1.541	ppt
85.000	66.200	mS/m	2.059	ppt
80.000	68.200	mS/m	2.637	ppt
75.000	75.800	mS/m	3.552	ppt
70.000	85.400	mS/m	4.648	ppt
65.000	90.800	mS/m	5.383	ppt
60.000	102.800	mS/m	7.249	ppt
55.000	112.800	mS/m	8.995	ppt
50.000	133.400	mS/m	12.066	ppt
45.000	138.400	mS/m	13.017	ppt
40.000	151.400	mS/m	15.173	ppt
35.000	165.600	mS/m	17.750	ppt
30.000	177.000	mS/m	19.291	ppt

---> Line : 10
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 10 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
10.000	218.800	mS/m	24.650	ppt
15.000	173.400	mS/m	18.496	ppt
20.000	138.800	mS/m	13.872	ppt
25.000	132.800	mS/m	12.644	ppt
30.000	114.000	mS/m	10.031	ppt
35.000	103.800	mS/m	8.526	ppt
40.000	95.000	mS/m	6.743	ppt
45.000	87.800	mS/m	5.407	ppt
50.000	81.000	mS/m	4.191	ppt
55.000	79.400	mS/m	3.890	ppt
60.000	74.200	mS/m	3.083	ppt
65.000	73.400	mS/m	3.071	ppt

75.000	58.400	mS/m	1.084	ppt
80.000	56.000	mS/m	0.686	ppt
85.000	54.800	mS/m	0.361	ppt
90.000	53.600	mS/m	0.313	ppt
95.000	50.800	mS/m	0.060	ppt
100.000	50.200	mS/m	0.698	ppt
105.000	52.200	mS/m	3.528	ppt

---> Line : 15
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 105 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
105.000	50.400	mS/m	2.035	ppt
100.000	45.600	mS/m	-0.421	ppt
95.000	47.400	mS/m	-0.795	ppt
90.000	49.600	mS/m	-0.747	ppt
85.000	51.400	mS/m	-0.482	ppt
80.000	50.600	mS/m	-0.217	ppt
75.000	51.200	mS/m	0.157	ppt
70.000	55.000	mS/m	0.530	ppt
65.000	58.400	mS/m	0.795	ppt
60.000	64.400	mS/m	1.469	ppt
55.000	68.600	mS/m	2.119	ppt
50.000	70.800	mS/m	2.721	ppt
45.000	73.000	mS/m	3.420	ppt
40.000	79.600	mS/m	4.708	ppt
35.000	84.200	mS/m	5.359	ppt
30.000	88.000	mS/m	6.346	ppt
25.000	99.400	mS/m	8.225	ppt
20.000	117.400	mS/m	10.777	ppt
15.000	136.400	mS/m	12.909	ppt
10.000	178.400	mS/m	18.761	ppt
5.000	221.000	mS/m	25.023	ppt

---> Line : 20
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
5.000	185.000	mS/m	19.953	ppt
10.000	136.400	mS/m	13.077	ppt
15.000	105.600	mS/m	8.670	ppt
20.000	86.400	mS/m	5.961	ppt
25.000	78.800	mS/m	4.720	ppt
30.000	72.600	mS/m	3.613	ppt
35.000	66.000	mS/m	2.613	ppt
40.000	62.400	mS/m	1.734	ppt
45.000	61.400	mS/m	1.529	ppt
50.000	58.200	mS/m	0.927	ppt
55.000	57.200	mS/m	0.614	ppt
60.000	52.400	mS/m	0.132	ppt
65.000	49.600	mS/m	-0.193	ppt
70.000	48.800	mS/m	-0.349	ppt
75.000	46.200	mS/m	-0.686	ppt
80.000	46.800	mS/m	-0.963	ppt
85.000	47.600	mS/m	-1.108	ppt
90.000	45.400	mS/m	-1.240	ppt
95.000	43.400	mS/m	-0.975	ppt
100.000	44.400	mS/m	-0.277	ppt
105.000	50.600	mS/m	1.674	ppt

---> Line : 25
Mode V Component B Contains 1 segments.

Station	Conductivity		In-phase	
105.000	47.400	mS/m	0.313	ppt
100.000	42.800	mS/m	-1.084	ppt
95.000	43.000	mS/m	-1.385	ppt
90.000	44.200	mS/m	-1.590	ppt
85.000	46.000	mS/m	-1.301	ppt
80.000	45.600	mS/m	-1.240	ppt
75.000	45.800	mS/m	-1.036	ppt
70.000	47.200	mS/m	-0.867	ppt
65.000	47.800	mS/m	-0.747	ppt
60.000	50.600	mS/m	-0.385	ppt
55.000	54.200	mS/m	0.036	ppt
50.000	55.400	mS/m	0.409	ppt
45.000	58.400	mS/m	0.867	ppt
40.000	60.600	mS/m	1.228	ppt
35.000	63.000	mS/m	1.915	ppt
30.000	65.800	mS/m	2.529	ppt
25.000	72.000	mS/m	3.588	ppt
20.000	80.800	mS/m	4.973	ppt
15.000	97.200	mS/m	7.779	ppt
10.000	130.000	mS/m	12.247	ppt
5.000	159.400	mS/m	16.570	ppt

---> Line : 30
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
5.000	145.000	mS/m	14.426	ppt
10.000	117.600	mS/m	10.007	ppt
15.000	82.800	mS/m	5.238	ppt
20.000	71.200	mS/m	3.251	ppt
25.000	63.400	mS/m	1.939	ppt
30.000	61.000	mS/m	1.276	ppt
35.000	58.600	mS/m	0.855	ppt
40.000	56.000	mS/m	0.265	ppt
45.000	52.400	mS/m	-0.072	ppt
50.000	50.400	mS/m	-0.265	ppt
55.000	48.800	mS/m	-0.542	ppt
60.000	48.800	mS/m	-0.807	ppt
65.000	48.600	mS/m	-0.975	ppt
70.000	46.600	mS/m	-1.144	ppt
75.000	44.600	mS/m	-1.288	ppt
80.000	43.800	mS/m	-1.541	ppt
85.000	44.600	mS/m	-1.590	ppt
90.000	43.600	mS/m	-1.626	ppt
95.000	41.800	mS/m	-1.698	ppt
100.000	41.600	mS/m	-1.758	ppt
105.000	47.200	mS/m	0.169	ppt

---> Line : 35
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 105 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
105.000	46.200	mS/m	-0.927	ppt
100.000	43.400	mS/m	-1.481	ppt
95.000	43.000	mS/m	-1.590	ppt
90.000	44.000	mS/m	-1.614	ppt
85.000	43.600	mS/m	-1.758	ppt
80.000	42.600	mS/m	-1.650	ppt
75.000	44.600	mS/m	-1.505	ppt
70.000	47.600	mS/m	-1.409	ppt
65.000	50.200	mS/m	-1.240	ppt

50.000	47.400	mS/m	-0.747	ppt
45.000	51.600	mS/m	-0.373	ppt
40.000	53.600	mS/m	-0.060	ppt
35.000	55.600	mS/m	0.409	ppt
30.000	58.200	mS/m	0.867	ppt
25.000	64.200	mS/m	1.794	ppt
20.000	72.600	mS/m	3.287	ppt
15.000	90.200	mS/m	6.322	ppt
10.000	119.400	mS/m	10.332	ppt
5.000	146.600	mS/m	14.221	ppt

---> Line : 40
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
5.000	127.800	mS/m	11.103	ppt
10.000	92.400	mS/m	6.117	ppt
15.000	76.800	mS/m	3.649	ppt
20.000	67.800	mS/m	2.011	ppt
25.000	60.400	mS/m	1.048	ppt
30.000	54.600	mS/m	0.301	ppt
35.000	52.400	mS/m	-0.205	ppt
40.000	51.400	mS/m	-0.482	ppt
45.000	49.000	mS/m	-0.795	ppt
50.000	46.800	mS/m	-1.024	ppt
55.000	46.400	mS/m	-1.180	ppt
60.000	48.200	mS/m	-1.168	ppt
65.000	48.200	mS/m	-1.373	ppt
70.000	46.200	mS/m	-1.505	ppt
75.000	42.600	mS/m	-1.674	ppt
80.000	41.800	mS/m	-1.842	ppt
85.000	43.800	mS/m	-1.866	ppt
90.000	43.400	mS/m	-1.975	ppt
95.000	43.000	mS/m	-1.710	ppt
100.000	43.200	mS/m	-1.529	ppt
105.000	49.600	mS/m	-0.638	ppt

---> Line : 45
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 105 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
105.000	49.200	mS/m	-1.024	ppt
100.000	43.200	mS/m	-1.698	ppt
95.000	43.000	mS/m	-1.939	ppt
90.000	44.000	mS/m	-1.951	ppt
85.000	43.800	mS/m	-1.927	ppt
80.000	42.000	mS/m	-1.842	ppt
75.000	43.200	mS/m	-1.710	ppt
70.000	46.000	mS/m	-1.602	ppt
65.000	47.000	mS/m	-1.553	ppt
60.000	45.600	mS/m	-1.421	ppt
55.000	47.000	mS/m	-1.228	ppt
50.000	49.600	mS/m	-1.072	ppt
45.000	52.000	mS/m	-0.975	ppt
40.000	53.400	mS/m	-0.373	ppt
35.000	54.400	mS/m	-0.253	ppt
30.000	56.400	mS/m	0.229	ppt
25.000	63.800	mS/m	1.108	ppt
20.000	69.200	mS/m	2.155	ppt
15.000	81.400	mS/m	4.215	ppt
10.000	101.400	mS/m	7.213	ppt
5.000	132.600	mS/m	11.669	ppt

---> Line : 55
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 95 Final station : 190 Increment : 5

Station	Conductivity		In-phase	
5.000	125.400	mS/m	9.874	ppt
10.000	92.800	mS/m	5.310	ppt
15.000	73.200	mS/m	2.384	ppt
20.000	64.800	mS/m	1.012	ppt
25.000	60.400	mS/m	0.265	ppt
30.000	56.600	mS/m	-0.157	ppt
35.000	53.800	mS/m	-0.554	ppt
40.000	53.000	mS/m	-0.759	ppt
45.000	51.800	mS/m	-1.036	ppt
50.000	48.200	mS/m	-1.264	ppt
55.000	46.000	mS/m	-1.361	ppt
60.000	46.200	mS/m	-1.481	ppt
65.000	45.600	mS/m	-1.602	ppt
70.000	44.400	mS/m	-1.674	ppt
75.000	42.600	mS/m	-1.746	ppt
80.000	42.200	mS/m	-1.963	ppt
85.000	44.000	mS/m	-1.963	ppt
90.000	43.800	mS/m	-1.842	ppt
95.000	42.200	mS/m	-1.866	ppt
100.000	43.000	mS/m	-1.614	ppt

---> Line : 55
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 105 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
105.000	45.600	mS/m	-1.481	ppt
100.000	41.800	mS/m	-1.866	ppt
95.000	42.200	mS/m	-1.915	ppt
90.000	44.200	mS/m	-2.011	ppt
85.000	43.800	mS/m	-1.891	ppt
80.000	42.400	mS/m	-1.842	ppt
75.000	42.800	mS/m	-1.770	ppt
70.000	44.600	mS/m	-1.650	ppt
65.000	46.000	mS/m	-1.553	ppt
60.000	47.800	mS/m	-1.481	ppt
55.000	47.000	mS/m	-1.421	ppt
50.000	48.200	mS/m	-1.337	ppt
45.000	50.200	mS/m	-1.132	ppt
40.000	50.800	mS/m	-0.951	ppt
35.000	53.200	mS/m	-0.602	ppt
30.000	56.600	mS/m	-0.241	ppt
25.000	62.000	mS/m	0.409	ppt
20.000	68.200	mS/m	1.517	ppt
15.000	79.000	mS/m	3.360	ppt
10.000	104.200	mS/m	6.671	ppt
5.000	142.600	mS/m	11.380	ppt

---> Line : 60
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
5.000	125.600	mS/m	8.465	ppt
10.000	87.600	mS/m	4.142	ppt
15.000	71.200	mS/m	1.915	ppt
20.000	64.800	mS/m	0.903	ppt
25.000	59.800	mS/m	0.157	ppt
30.000	54.800	mS/m	-0.482	ppt
35.000	53.800	mS/m	-0.723	ppt

50.000	48.400	mS/m	-1.301	ppt
55.000	48.400	mS/m	-1.276	ppt
60.000	47.400	mS/m	-1.517	ppt
65.000	45.800	mS/m	-1.577	ppt
70.000	44.000	mS/m	-1.590	ppt
75.000	42.600	mS/m	-1.626	ppt
80.000	42.600	mS/m	-1.818	ppt
85.000	44.200	mS/m	-1.842	ppt
90.000	44.000	mS/m	-1.830	ppt
95.000	41.600	mS/m	-1.806	ppt
100.000	42.200	mS/m	-1.770	ppt
105.000	48.600	mS/m	-1.590	ppt

---> Line : 65
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 105 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
105.000	49.200	mS/m	-1.662	ppt
100.000	40.800	mS/m	-1.746	ppt
95.000	42.600	mS/m	-1.770	ppt
90.000	45.000	mS/m	-1.770	ppt
85.000	44.600	mS/m	-1.650	ppt
80.000	42.400	mS/m	-1.614	ppt
75.000	42.800	mS/m	-1.469	ppt
70.000	44.000	mS/m	-1.626	ppt
65.000	45.400	mS/m	-1.830	ppt
60.000	47.600	mS/m	-1.276	ppt
55.000	49.400	mS/m	-1.084	ppt
50.000	50.600	mS/m	-1.168	ppt
45.000	50.400	mS/m	-1.192	ppt
40.000	53.200	mS/m	-0.975	ppt
35.000	54.800	mS/m	-0.807	ppt
30.000	57.000	mS/m	-0.349	ppt
25.000	59.000	mS/m	0.349	ppt
20.000	65.400	mS/m	1.144	ppt
15.000	75.400	mS/m	2.517	ppt
10.000	99.200	mS/m	5.551	ppt
5.000	148.600	mS/m	10.814	ppt

---> Line : 70
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 25 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
25.000	57.600	mS/m	0.120	ppt
30.000	57.000	mS/m	-0.590	ppt
35.000	55.000	mS/m	-0.867	ppt
40.000	52.400	mS/m	-1.036	ppt
45.000	51.200	mS/m	-1.024	ppt
50.000	50.200	mS/m	-1.036	ppt
55.000	49.200	mS/m	-0.771	ppt
60.000	48.800	mS/m	-0.662	ppt
65.000	46.600	mS/m	-0.674	ppt
70.000	44.600	mS/m	-0.638	ppt
75.000	43.400	mS/m	-0.879	ppt
80.000	44.200	mS/m	-1.156	ppt
85.000	45.600	mS/m	-1.240	ppt
90.000	45.200	mS/m	-1.361	ppt
95.000	42.600	mS/m	-1.301	ppt
100.000	42.400	mS/m	-1.457	ppt
105.000	50.600	mS/m	-1.337	ppt

---> Line : 75

Initial station : 105 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
105.000	46.800	mS/m	-0.759	ppt
100.000	43.200	mS/m	-0.710	ppt
95.000	44.000	mS/m	-0.542	ppt
90.000	45.800	mS/m	-0.421	ppt
85.000	46.800	mS/m	0.072	ppt
80.000	46.000	mS/m	0.614	ppt
75.000	46.600	mS/m	1.144	ppt
70.000	48.800	mS/m	1.517	ppt
65.000	51.200	mS/m	1.433	ppt
60.000	51.400	mS/m	0.843	ppt
55.000	50.600	mS/m	0.193	ppt
50.000	50.600	mS/m	-0.554	ppt
45.000	51.200	mS/m	-0.903	ppt
40.000	52.400	mS/m	-0.891	ppt
35.000	55.000	mS/m	-0.674	ppt
30.000	58.000	mS/m	0.060	ppt
25.000	58.200	mS/m	0.108	ppt
20.000	62.000	mS/m	0.735	ppt
15.000	75.200	mS/m	2.806	ppt
10.000	99.000	mS/m	4.985	ppt
5.000	141.400	mS/m	9.116	ppt

---> Line : 80
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 105 Increment : 5

Station	Conductivity		In-phase	
5.000	124.400	mS/m	7.418	ppt
10.000	84.800	mS/m	3.516	ppt
15.000	69.400	mS/m	1.686	ppt
20.000	62.800	mS/m	0.421	ppt
25.000	58.200	mS/m	-0.108	ppt
30.000	56.000	mS/m	-0.289	ppt
35.000	54.200	mS/m	-0.783	ppt
40.000	53.000	mS/m	-0.710	ppt
45.000	52.600	mS/m	-0.120	ppt
50.000	53.600	mS/m	1.553	ppt
55.000	58.400	mS/m	4.359	ppt
60.000	63.800	mS/m	7.346	ppt
65.000	65.600	mS/m	8.935	ppt
70.000	61.800	mS/m	8.020	ppt
75.000	57.600	mS/m	6.623	ppt
80.000	54.200	mS/m	4.648	ppt
85.000	53.400	mS/m	3.432	ppt
90.000	50.600	mS/m	2.830	ppt
95.000	48.200	mS/m	1.830	ppt
100.000	47.800	mS/m	0.951	ppt
105.000	51.200	mS/m	0.867	ppt

---> Line : 85
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 45 Increment : 5

Station	Conductivity		In-phase	
5.000	125.800	mS/m	7.490	ppt
10.000	88.400	mS/m	3.275	ppt
15.000	72.000	mS/m	1.301	ppt
20.000	63.600	mS/m	0.337	ppt
25.000	59.800	mS/m	-0.132	ppt
30.000	57.600	mS/m	-0.506	ppt
35.000	56.600	mS/m	-0.554	ppt
40.000	55.400	mS/m	-0.277	ppt

---> Line : 90
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 45 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
45.000	61.200	mS/m	2.601	ppt
40.000	57.800	mS/m	0.012	ppt
35.000	58.000	mS/m	-0.494	ppt
30.000	59.200	mS/m	-0.518	ppt
25.000	61.000	mS/m	-0.289	ppt
20.000	65.400	mS/m	0.337	ppt
15.000	72.400	mS/m	1.216	ppt
10.000	90.400	mS/m	3.287	ppt
5.000	126.600	mS/m	7.153	ppt

---> Line : 95
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 45 Increment : 5

Station	Conductivity		In-phase	
5.000	109.200	mS/m	5.720	ppt
10.000	79.200	mS/m	1.951	ppt
15.000	68.200	mS/m	0.626	ppt
20.000	64.400	mS/m	-0.024	ppt
25.000	60.600	mS/m	-0.385	ppt
30.000	59.400	mS/m	-0.373	ppt
35.000	61.600	mS/m	0.337	ppt
40.000	65.200	mS/m	2.192	ppt
45.000	75.000	mS/m	8.188	ppt

---> Line : 100
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 45 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
45.000	91.600	mS/m	10.464	ppt
40.000	76.400	mS/m	4.070	ppt
35.000	67.400	mS/m	0.951	ppt
30.000	63.400	mS/m	0.000	ppt
25.000	64.600	mS/m	0.000	ppt
20.000	68.800	mS/m	-0.446	ppt
15.000	71.400	mS/m	-1.469	ppt
10.000	84.200	mS/m	1.132	ppt
5.000	112.800	mS/m	0.975	ppt

---> Line : 105
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 35 Increment : 5

Station	Conductivity		In-phase	
5.000	97.000	mS/m	2.577	ppt
10.000	67.800	mS/m	-1.433	ppt
15.000	66.600	mS/m	-1.409	ppt
20.000	68.800	mS/m	0.337	ppt
25.000	67.400	mS/m	0.349	ppt
30.000	70.000	mS/m	1.228	ppt
35.000	81.400	mS/m	4.949	ppt

---> Line : 110
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 35 Final station : 5 Increment :-5

Station	Conductivity		In-phase	
35.000	95.400	mS/m	6.551	ppt

20.000	74.000	mS/m	0.698	ppt
15.000	74.200	mS/m	1.662	ppt
10.000	83.800	mS/m	3.516	ppt
5.000	106.000	mS/m	6.298	ppt

---> Line : 115
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 5 Final station : 35 Increment : 5

Station	Conductivity		In-phase	
5.000	101.600	mS/m	2.890	ppt
10.000	88.600	mS/m	3.601	ppt
15.000	81.800	mS/m	1.325	ppt
20.000	83.800	mS/m	0.783	ppt
25.000	89.400	mS/m	1.048	ppt
30.000	99.400	mS/m	2.902	ppt
35.000	114.200	mS/m	8.754	ppt

---> Line : 120
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 35 Final station : 0 Increment :-5

Station	Conductivity		In-phase	
35.000	129.000	mS/m	7.346	ppt
30.000	113.400	mS/m	2.842	ppt
25.000	105.800	mS/m	1.710	ppt
20.000	99.400	mS/m	1.565	ppt
15.000	99.400	mS/m	1.987	ppt
10.000	100.400	mS/m	0.349	ppt
5.000	95.000	mS/m	-7.490	ppt
0.000	0.000	mS/m	0.000	ppt

NORCAL

OU-5 Landfill Disposal Unit #1

---> Line : 0
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 0 Final station : 100 Increment : 10

Station	Conductivity		In-phase	
0.000	393.200	mS/m	44.772	ppt
10.000	274.800	mS/m	30.562	ppt
20.000	195.200	mS/m	20.230	ppt
30.000	154.200	mS/m	15.028	ppt
40.000	147.600	mS/m	13.391	ppt
50.000	148.600	mS/m	13.354	ppt
60.000	142.400	mS/m	11.849	ppt
70.000	139.200	mS/m	11.139	ppt
80.000	131.600	mS/m	9.284	ppt
90.000	135.400	mS/m	9.200	ppt
100.000	122.000	mS/m	6.960	ppt

Segment : 2
Initial station : 150 Final station : 280 Increment : 10

Station	Conductivity		In-phase	
150.000	140.000	mS/m	5.347	ppt
160.000	128.200	mS/m	4.070	ppt
170.000	124.400	mS/m	3.709	ppt
180.000	123.600	mS/m	2.962	ppt
190.000	114.600	mS/m	2.216	ppt
200.000	105.400	mS/m	0.602	ppt
210.000	106.000	mS/m	0.614	ppt
220.000	93.000	mS/m	-0.205	ppt
230.000	85.800	mS/m	-0.313	ppt
240.000	74.800	mS/m	-0.602	ppt
250.000	68.000	mS/m	-0.855	ppt
260.000	63.600	mS/m	-0.795	ppt
270.000	55.000	mS/m	-0.289	ppt
280.000	51.200	mS/m	0.205	ppt

---> Line : 10
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 280 Final station : 150 Increment :-10

Station	Conductivity		In-phase	
280.000	50.600	mS/m	1.433	ppt
270.000	50.400	mS/m	-1.433	ppt
260.000	50.800	mS/m	-2.192	ppt
250.000	52.400	mS/m	-2.276	ppt
240.000	57.800	mS/m	-2.143	ppt
230.000	62.800	mS/m	-2.095	ppt
220.000	70.400	mS/m	-2.011	ppt
210.000	77.200	mS/m	-1.722	ppt
200.000	84.600	mS/m	-1.385	ppt
190.000	88.200	mS/m	-1.096	ppt
180.000	91.200	mS/m	-0.819	ppt
170.000	91.200	mS/m	-0.494	ppt
160.000	93.000	mS/m	-0.253	ppt
150.000	90.600	mS/m	0.205	ppt

Segment : 2
Initial station : 100 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
100.000	82.000	mS/m	1.048	ppt
90.000	78.800	mS/m	1.048	ppt

70.000	77.400	mS/m	1.276	ppt
60.000	78.400	mS/m	1.626	ppt
50.000	76.600	mS/m	1.903	ppt
40.000	77.200	mS/m	2.288	ppt
30.000	76.600	mS/m	3.119	ppt
20.000	81.600	mS/m	1.734	ppt
10.000	94.200	mS/m	5.901	ppt
0.000	155.600	mS/m	14.799	ppt

---> Line : 20
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 0 Final station : 100 Increment : 10

Station	Conductivity		In-phase	
0.000	157.800	mS/m	17.160	ppt
10.000	86.800	mS/m	5.949	ppt
20.000	71.800	mS/m	2.746	ppt
30.000	63.000	mS/m	1.421	ppt
40.000	62.200	mS/m	0.807	ppt
50.000	62.000	mS/m	0.024	ppt
60.000	63.000	mS/m	-0.229	ppt
70.000	65.000	mS/m	-0.337	ppt
80.000	65.400	mS/m	-0.434	ppt
90.000	64.800	mS/m	-0.590	ppt
100.000	68.800	mS/m	-0.506	ppt

Segment : 2
Initial station : 150 Final station : 280 Increment : 10

Station	Conductivity		In-phase	
150.000	85.000	mS/m	-0.542	ppt
160.000	85.600	mS/m	-0.963	ppt
170.000	86.000	mS/m	-1.120	ppt
180.000	86.200	mS/m	-1.252	ppt
190.000	84.200	mS/m	-1.301	ppt
200.000	79.400	mS/m	-1.373	ppt
210.000	75.800	mS/m	-1.626	ppt
220.000	75.600	mS/m	-1.975	ppt
230.000	66.600	mS/m	-2.011	ppt
240.000	61.400	mS/m	-2.095	ppt
250.000	57.000	mS/m	-2.155	ppt
260.000	53.200	mS/m	-1.927	ppt
270.000	53.200	mS/m	-0.867	ppt
280.000	57.600	mS/m	3.829	ppt

---> Line : 30
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 280 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
280.000	70.800	mS/m	6.224	ppt
270.000	60.000	mS/m	0.723	ppt
260.000	58.200	mS/m	-0.987	ppt
250.000	62.600	mS/m	-1.493	ppt
240.000	63.200	mS/m	-1.698	ppt
230.000	69.800	mS/m	-1.529	ppt
220.000	76.000	mS/m	-1.866	ppt
210.000	81.200	mS/m	-1.252	ppt
200.000	81.800	mS/m	-0.361	ppt
190.000	82.600	mS/m	-0.759	ppt
180.000	84.400	mS/m	-1.288	ppt
170.000	81.400	mS/m	-1.084	ppt
160.000	86.400	mS/m	-0.879	ppt
150.000	84.000	mS/m	-0.807	ppt
140.000	84.200	mS/m	-0.060	ppt
130.000	81.400	mS/m	2.758	ppt
120.000	75.800	mS/m	2.806	ppt

100.000	67.200	mS/m	-1.108	ppt
90.000	65.000	mS/m	-1.180	ppt
80.000	67.800	mS/m	-1.192	ppt
70.000	62.000	mS/m	-1.072	ppt
60.000	61.200	mS/m	-0.903	ppt
50.000	61.200	mS/m	-0.723	ppt
40.000	60.400	mS/m	-0.458	ppt
30.000	58.600	mS/m	0.289	ppt
20.000	62.800	mS/m	1.060	ppt
10.000	74.200	mS/m	3.877	ppt
0.000	108.000	mS/m	9.007	ppt

---> Line : 40
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 280 Increment : 10

Station	Conductivity		In-phase	
0.000	136.600	mS/m	14.101	ppt
10.000	80.800	mS/m	4.757	ppt
20.000	62.400	mS/m	1.457	ppt
30.000	57.800	mS/m	0.385	ppt
40.000	59.000	mS/m	-0.951	ppt
50.000	59.800	mS/m	-1.156	ppt
60.000	59.800	mS/m	-1.397	ppt
70.000	60.400	mS/m	-1.457	ppt
80.000	61.600	mS/m	-1.433	ppt
90.000	62.400	mS/m	-1.433	ppt
100.000	63.800	mS/m	-1.373	ppt
110.000	69.200	mS/m	-0.470	ppt
120.000	79.800	mS/m	5.804	ppt
130.000	81.600	mS/m	1.770	ppt
140.000	81.200	mS/m	-0.361	ppt
150.000	89.200	mS/m	1.879	ppt
160.000	98.400	mS/m	3.962	ppt
170.000	87.200	mS/m	1.096	ppt
180.000	88.000	mS/m	-0.385	ppt
190.000	87.000	mS/m	-0.205	ppt
200.000	83.800	mS/m	0.157	ppt
210.000	75.600	mS/m	-0.614	ppt
220.000	84.200	mS/m	-1.084	ppt
230.000	80.000	mS/m	-0.819	ppt
240.000	70.600	mS/m	-0.735	ppt
250.000	65.400	mS/m	0.530	ppt
260.000	72.200	mS/m	1.337	ppt
270.000	75.200	mS/m	2.830	ppt
280.000	87.800	mS/m	7.707	ppt

---> Line : 50
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 130 Final station : 0 Increment : -10

Station	Conductivity		In-phase	
130.000	87.600	mS/m	7.406	ppt
120.000	117.400	mS/m	33.922	ppt
110.000	83.800	mS/m	6.972	ppt
100.000	65.200	mS/m	-1.409	ppt
90.000	61.400	mS/m	-1.662	ppt
80.000	61.000	mS/m	-1.577	ppt
70.000	61.000	mS/m	-1.614	ppt
60.000	60.200	mS/m	-1.590	ppt
50.000	59.000	mS/m	-1.457	ppt
40.000	57.800	mS/m	-1.168	ppt
30.000	56.600	mS/m	-0.723	ppt
20.000	55.600	mS/m	0.662	ppt
10.000	68.800	mS/m	2.673	ppt

---> Line : 60
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 80 Increment : 10

Station	Conductivity		In-phase	
0.000	161.400	mS/m	20.146	ppt
10.000	68.400	mS/m	1.325	ppt
20.000	53.600	mS/m	-3.649	ppt
30.000	57.400	mS/m	-0.012	ppt
40.000	56.400	mS/m	-1.192	ppt
50.000	57.200	mS/m	-1.493	ppt
60.000	58.200	mS/m	-1.818	ppt
70.000	59.600	mS/m	-1.710	ppt
80.000	58.800	mS/m	-1.830	ppt

---> Line : 70
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 80 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
80.000	59.200	mS/m	-1.794	ppt
70.000	58.600	mS/m	-1.794	ppt
60.000	58.200	mS/m	-1.722	ppt
50.000	57.800	mS/m	-1.493	ppt
40.000	56.600	mS/m	-1.313	ppt
30.000	57.000	mS/m	-1.481	ppt
20.000	52.000	mS/m	0.289	ppt
10.000	61.200	mS/m	2.770	ppt
0.000	143.600	mS/m	16.425	ppt

---> Line : 80
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 100 Increment : 10

Station	Conductivity		In-phase	
0.000	137.800	mS/m	15.125	ppt
10.000	68.400	mS/m	2.601	ppt
20.000	57.000	mS/m	-0.554	ppt
30.000	55.200	mS/m	-0.373	ppt
40.000	56.800	mS/m	-1.457	ppt
50.000	56.200	mS/m	-1.409	ppt
60.000	57.200	mS/m	-1.722	ppt
70.000	57.800	mS/m	-1.866	ppt
80.000	57.800	mS/m	-1.842	ppt
90.000	58.200	mS/m	-1.866	ppt
100.000	60.200	mS/m	-1.734	ppt

---> Line : 90
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 0 Increment :- 0

Station	Conductivity		In-phase	
100.000	59.000	mS/m	-1.794	ppt
90.000	58.600	mS/m	-1.879	ppt
80.000	57.800	mS/m	-1.915	ppt
70.000	57.200	mS/m	-1.879	ppt
60.000	57.000	mS/m	-1.734	ppt
50.000	57.200	mS/m	-1.529	ppt
40.000	56.000	mS/m	-1.529	ppt
30.000	54.600	mS/m	0.084	ppt
20.000	52.800	mS/m	-0.963	ppt
10.000	64.000	mS/m	1.866	ppt
0.000	97.400	mS/m	7.346	ppt

Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 100 Increment : 10

Station	Conductivity		In-phase	
0.000	136.400	mS/m	13.318	ppt
10.000	72.000	mS/m	2.734	ppt
20.000	59.400	mS/m	0.265	ppt
30.000	55.600	mS/m	-0.265	ppt
40.000	58.000	mS/m	-1.505	ppt
50.000	57.800	mS/m	-1.493	ppt
60.000	57.200	mS/m	-1.662	ppt
70.000	57.400	mS/m	-1.674	ppt
80.000	56.600	mS/m	-1.879	ppt
90.000	57.000	mS/m	-1.794	ppt
100.000	58.200	mS/m	-1.818	ppt

---> Line : 110
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
100.000	56.800	mS/m	-1.927	ppt
90.000	56.800	mS/m	-1.951	ppt
80.000	57.600	mS/m	-1.891	ppt
70.000	57.800	mS/m	-1.710	ppt
60.000	60.000	mS/m	-1.686	ppt
50.000	59.800	mS/m	-1.505	ppt
40.000	59.000	mS/m	-1.553	ppt
30.000	58.000	mS/m	-0.831	ppt
20.000	59.200	mS/m	-0.120	ppt
10.000	64.600	mS/m	1.602	ppt
0.000	92.600	mS/m	6.575	ppt

---> Line : 120
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 100 Increment : 10

Station	Conductivity		In-phase	
0.000	138.800	mS/m	13.186	ppt
10.000	78.000	mS/m	3.131	ppt
20.000	62.400	mS/m	-0.241	ppt
30.000	59.200	mS/m	-1.650	ppt
40.000	59.000	mS/m	-1.313	ppt
50.000	57.000	mS/m	-0.807	ppt
60.000	57.400	mS/m	-0.867	ppt
70.000	55.800	mS/m	-0.626	ppt
80.000	59.000	mS/m	-1.987	ppt
90.000	57.200	mS/m	-1.903	ppt
100.000	56.000	mS/m	-1.915	ppt

---> Line : 130
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
100.000	56.200	mS/m	-1.963	ppt
90.000	57.600	mS/m	-1.975	ppt
80.000	59.400	mS/m	-1.891	ppt
70.000	57.400	mS/m	-2.155	ppt
60.000	50.200	mS/m	-0.157	ppt
50.000	56.600	mS/m	-1.794	ppt
40.000	56.400	mS/m	-0.987	ppt
30.000	54.200	mS/m	0.325	ppt
20.000	54.200	mS/m	-0.205	ppt
10.000	60.400	mS/m	5.756	ppt

---> Line : 140
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 100 Increment : 10

Station	Conductivity		In-phase	
0.000	129.400	mS/m	13.041	ppt
10.000	76.800	mS/m	2.180	ppt
20.000	60.000	mS/m	-0.289	ppt
30.000	58.400	mS/m	-1.180	ppt
40.000	60.600	mS/m	-1.975	ppt
50.000	63.200	mS/m	-1.951	ppt
60.000	62.600	mS/m	-2.192	ppt
70.000	61.000	mS/m	-2.011	ppt
80.000	60.200	mS/m	-1.963	ppt
90.000	57.800	mS/m	-1.951	ppt
100.000	57.200	mS/m	-1.915	ppt

---> Line : 150
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
100.000	58.800	mS/m	-2.071	ppt
90.000	56.000	mS/m	-0.891	ppt
80.000	58.200	mS/m	0.277	ppt
70.000	56.800	mS/m	-1.373	ppt
60.000	58.200	mS/m	-0.446	ppt
50.000	55.000	mS/m	0.494	ppt
40.000	59.000	mS/m	-0.409	ppt
30.000	56.800	mS/m	-1.204	ppt
20.000	58.800	mS/m	-1.108	ppt
10.000	64.800	mS/m	0.421	ppt
0.000	105.400	mS/m	8.044	ppt

---> Line : 160
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 100 Increment : 10

Station	Conductivity		In-phase	
0.000	122.800	mS/m	13.740	ppt
10.000	68.800	mS/m	4.588	ppt
20.000	57.200	mS/m	0.903	ppt
30.000	54.200	mS/m	-1.144	ppt
40.000	56.600	mS/m	-0.843	ppt
50.000	59.600	mS/m	-1.710	ppt
60.000	61.400	mS/m	-1.276	ppt
70.000	62.600	mS/m	-1.770	ppt
80.000	62.400	mS/m	-1.951	ppt
90.000	62.000	mS/m	-2.384	ppt
100.000	62.400	mS/m	-2.360	ppt

---> Line : 170
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
100.000	47.800	mS/m	4.166	ppt
90.000	63.000	mS/m	-1.674	ppt
80.000	62.800	mS/m	-1.734	ppt
70.000	62.800	mS/m	-1.565	ppt
60.000	64.000	mS/m	-1.602	ppt
50.000	60.400	mS/m	-1.565	ppt
40.000	57.600	mS/m	-1.517	ppt
30.000	55.400	mS/m	-1.240	ppt

10.000	63.600	mS/m	0.893	ppt
0.000	83.600	mS/m	4.937	ppt

---> Line : 180
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 140 Increment : 10

Station	Conductivity		In-phase	
0.000	94.200	mS/m	11.861	ppt
10.000	68.200	mS/m	2.143	ppt
20.000	58.000	mS/m	0.626	ppt
30.000	57.600	mS/m	-0.735	ppt
40.000	60.000	mS/m	-1.541	ppt
50.000	61.800	mS/m	-1.517	ppt
60.000	64.000	mS/m	-1.577	ppt
70.000	65.800	mS/m	-1.288	ppt
80.000	66.200	mS/m	-1.939	ppt
90.000	34.600	mS/m	-8.188	ppt
100.000	39.200	mS/m	2.300	ppt
110.000	61.000	mS/m	-3.805	ppt
120.000	64.600	mS/m	-2.360	ppt
130.000	65.000	mS/m	-2.276	ppt
140.000	64.200	mS/m	-1.915	ppt

---> Line : 190
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 140 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
140.000	65.400	mS/m	-1.650	ppt
130.000	65.400	mS/m	-1.879	ppt
120.000	63.400	mS/m	-1.939	ppt
110.000	65.200	mS/m	-2.312	ppt
100.000	55.000	mS/m	-0.723	ppt
90.000	48.400	mS/m	0.446	ppt
80.000	57.200	mS/m	-1.746	ppt
70.000	58.000	mS/m	-0.650	ppt
60.000	48.600	mS/m	-1.915	ppt
50.000	46.400	mS/m	1.638	ppt
40.000	41.800	mS/m	0.421	ppt
30.000	40.600	mS/m	-0.554	ppt
20.000	40.000	mS/m	-16.485	ppt
10.000	46.000	mS/m	-5.696	ppt
0.000	100.600	mS/m	8.164	ppt

---> Line : 200
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 140 Increment : 10

Station	Conductivity		In-phase	
0.000	104.400	mS/m	9.441	ppt
10.000	69.000	mS/m	2.866	ppt
20.000	61.400	mS/m	3.528	ppt
30.000	60.800	mS/m	-0.157	ppt
40.000	60.000	mS/m	-1.614	ppt
50.000	62.600	mS/m	-1.830	ppt
60.000	63.800	mS/m	-1.529	ppt
70.000	63.800	mS/m	-1.505	ppt
80.000	64.600	mS/m	-1.421	ppt
90.000	65.800	mS/m	-1.686	ppt
100.000	61.400	mS/m	0.674	ppt
110.000	57.600	mS/m	2.360	ppt
120.000	61.000	mS/m	0.289	ppt
130.000	63.400	mS/m	-0.674	ppt
140.000	65.800	mS/m	-1.806	ppt

---> Line : 210
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 140 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
140.000	63.800	mS/m	-1.602	ppt
130.000	62.000	mS/m	-0.783	ppt
120.000	62.800	mS/m	-0.747	ppt
110.000	60.400	mS/m	1.903	ppt
100.000	61.400	mS/m	0.831	ppt
90.000	64.000	mS/m	-1.457	ppt
80.000	63.400	mS/m	-1.674	ppt
70.000	61.400	mS/m	-1.288	ppt
60.000	60.400	mS/m	-1.349	ppt
50.000	58.400	mS/m	-2.505	ppt
40.000	56.200	mS/m	-1.710	ppt
30.000	57.600	mS/m	-0.313	ppt
20.000	58.000	mS/m	-0.434	ppt
10.000	66.000	mS/m	1.891	ppt
0.000	92.600	mS/m	7.502	ppt

---> Line : 220
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
0.000	125.400	mS/m	12.885	ppt
10.000	75.200	mS/m	2.938	ppt
20.000	58.800	mS/m	0.157	ppt
30.000	56.800	mS/m	-0.566	ppt
40.000	57.000	mS/m	-1.180	ppt
50.000	55.200	mS/m	-1.012	ppt
60.000	58.200	mS/m	-1.108	ppt
70.000	60.600	mS/m	-1.108	ppt
80.000	62.200	mS/m	-1.337	ppt
90.000	61.800	mS/m	-1.674	ppt
100.000	63.400	mS/m	-1.891	ppt
110.000	64.400	mS/m	-1.951	ppt
120.000	63.200	mS/m	-1.806	ppt
130.000	62.800	mS/m	-1.758	ppt
140.000	63.600	mS/m	-1.565	ppt
150.000	63.200	mS/m	-1.505	ppt
160.000	63.400	mS/m	-1.686	ppt
170.000	65.600	mS/m	-1.650	ppt
180.000	62.000	mS/m	-1.626	ppt
190.000	63.600	mS/m	-1.577	ppt
200.000	64.000	mS/m	-1.457	ppt
210.000	64.600	mS/m	-1.565	ppt
220.000	64.800	mS/m	-1.553	ppt
230.000	64.200	mS/m	-1.553	ppt
240.000	62.400	mS/m	-1.590	ppt
250.000	60.600	mS/m	-1.674	ppt
260.000	56.400	mS/m	-1.698	ppt
270.000	52.400	mS/m	-1.722	ppt
280.000	50.000	mS/m	-1.710	ppt
290.000	50.600	mS/m	-1.674	ppt
300.000	49.600	mS/m	-1.433	ppt
310.000	50.200	mS/m	-1.060	ppt
320.000	56.600	mS/m	-0.193	ppt
330.000	84.200	mS/m	4.227	ppt

---> Line : 230
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 0 Increment :-10

330.000	79.600	mS/m	4.046	ppt
320.000	57.400	mS/m	0.373	ppt
310.000	51.400	mS/m	-0.783	ppt
300.000	48.800	mS/m	-1.313	ppt
290.000	48.400	mS/m	-1.529	ppt
280.000	49.000	mS/m	-1.614	ppt
270.000	51.000	mS/m	-1.650	ppt
260.000	53.200	mS/m	-1.674	ppt
250.000	59.200	mS/m	-1.650	ppt
240.000	60.400	mS/m	-1.638	ppt
230.000	62.400	mS/m	-1.541	ppt
220.000	63.600	mS/m	-1.565	ppt
210.000	61.800	mS/m	-1.638	ppt
200.000	60.200	mS/m	-1.577	ppt
190.000	60.600	mS/m	-1.698	ppt
180.000	61.600	mS/m	-1.674	ppt
170.000	62.200	mS/m	-1.626	ppt
160.000	62.200	mS/m	-1.698	ppt
150.000	60.800	mS/m	-1.373	ppt
140.000	62.800	mS/m	-1.517	ppt
130.000	61.600	mS/m	-1.493	ppt
120.000	63.400	mS/m	-1.445	ppt
110.000	64.200	mS/m	-1.385	ppt
100.000	64.400	mS/m	-1.409	ppt
90.000	63.600	mS/m	-1.433	ppt
80.000	61.600	mS/m	-1.505	ppt
70.000	58.800	mS/m	-1.433	ppt
60.000	58.400	mS/m	-1.349	ppt
50.000	57.600	mS/m	-1.276	ppt
40.000	56.200	mS/m	-1.084	ppt
30.000	55.000	mS/m	-0.879	ppt
20.000	55.200	mS/m	-0.036	ppt
10.000	63.600	mS/m	1.577	ppt
0.000	85.800	mS/m	6.190	ppt

---> Line : 240
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
0.000	106.000	mS/m	10.175	ppt
10.000	65.200	mS/m	2.288	ppt
20.000	53.400	mS/m	0.060	ppt
30.000	52.000	mS/m	-0.446	ppt
40.000	53.200	mS/m	-0.831	ppt
50.000	55.400	mS/m	-1.024	ppt
60.000	55.600	mS/m	-1.204	ppt
70.000	58.600	mS/m	-1.313	ppt
80.000	61.200	mS/m	-1.313	ppt
90.000	62.600	mS/m	-1.445	ppt
100.000	63.800	mS/m	-1.481	ppt
110.000	64.200	mS/m	-1.457	ppt
120.000	63.200	mS/m	-1.505	ppt
130.000	63.000	mS/m	-1.517	ppt
140.000	61.000	mS/m	-1.505	ppt
150.000	60.800	mS/m	-1.529	ppt
160.000	56.600	mS/m	-1.084	ppt
170.000	58.000	mS/m	-1.565	ppt
180.000	57.000	mS/m	-1.614	ppt
190.000	58.200	mS/m	-1.614	ppt
200.000	56.600	mS/m	-1.590	ppt
210.000	57.600	mS/m	-1.722	ppt
220.000	58.600	mS/m	-1.650	ppt
230.000	58.200	mS/m	-1.590	ppt
240.000	57.800	mS/m	-1.686	ppt

260.000	53.200	mS/m	-1.686	ppt
270.000	49.800	mS/m	-1.674	ppt
280.000	48.200	mS/m	-1.529	ppt
290.000	48.400	mS/m	-1.469	ppt
300.000	48.200	mS/m	-1.264	ppt
310.000	49.600	mS/m	-0.879	ppt
320.000	51.200	mS/m	-0.072	ppt
330.000	69.000	mS/m	2.974	ppt

---> Line : 250
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
330.000	75.200	mS/m	3.865	ppt
320.000	56.600	mS/m	0.903	ppt
310.000	50.000	mS/m	-0.566	ppt
300.000	49.000	mS/m	-1.048	ppt
290.000	46.800	mS/m	-1.373	ppt
280.000	48.200	mS/m	-1.541	ppt
270.000	48.800	mS/m	-1.553	ppt
260.000	50.400	mS/m	-1.638	ppt
250.000	54.200	mS/m	-1.590	ppt
240.000	55.200	mS/m	-1.650	ppt
230.000	55.800	mS/m	-1.686	ppt
220.000	56.400	mS/m	-1.662	ppt
210.000	55.200	mS/m	-1.626	ppt
200.000	54.600	mS/m	-1.553	ppt
190.000	57.000	mS/m	-1.577	ppt
180.000	57.600	mS/m	-1.565	ppt
170.000	59.000	mS/m	-1.577	ppt
160.000	58.800	mS/m	-1.457	ppt
150.000	60.600	mS/m	-1.565	ppt
140.000	56.400	mS/m	-0.771	ppt
130.000	47.400	mS/m	1.301	ppt
120.000	52.200	mS/m	-0.470	ppt
110.000	57.200	mS/m	-2.131	ppt
100.000	57.400	mS/m	0.181	ppt
90.000	67.000	mS/m	-2.168	ppt
80.000	65.000	mS/m	-1.903	ppt
70.000	63.000	mS/m	-1.493	ppt
60.000	59.400	mS/m	-1.553	ppt
50.000	56.200	mS/m	-1.240	ppt
40.000	53.400	mS/m	-0.795	ppt
30.000	53.600	mS/m	-0.494	ppt
20.000	56.800	mS/m	0.710	ppt
10.000	64.000	mS/m	2.420	ppt
0.000	96.000	mS/m	9.296	ppt

---> Line : 260
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
0.000	115.200	mS/m	12.259	ppt
10.000	67.800	mS/m	2.589	ppt
20.000	56.400	mS/m	0.060	ppt
30.000	52.600	mS/m	-0.229	ppt
40.000	53.400	mS/m	-0.229	ppt
50.000	56.600	mS/m	0.120	ppt
60.000	55.800	mS/m	0.409	ppt
70.000	50.000	mS/m	3.263	ppt
80.000	60.200	mS/m	-0.024	ppt
90.000	43.200	mS/m	4.612	ppt
100.000	49.600	mS/m	2.962	ppt

120.000	42.200	mS/m	3.396	ppt
130.000	48.600	mS/m	1.056	ppt
140.000	50.200	mS/m	-1.438	ppt
150.000	58.800	mS/m	-1.975	ppt
160.000	59.600	mS/m	-1.433	ppt
170.000	59.400	mS/m	-1.361	ppt
180.000	58.200	mS/m	-1.481	ppt
190.000	56.400	mS/m	-1.457	ppt
200.000	54.600	mS/m	-1.505	ppt
210.000	52.600	mS/m	-1.505	ppt
220.000	53.400	mS/m	-1.505	ppt
230.000	53.400	mS/m	-1.529	ppt
240.000	52.800	mS/m	-1.577	ppt
250.000	51.400	mS/m	-1.553	ppt
260.000	48.600	mS/m	-1.493	ppt
270.000	46.800	mS/m	-1.421	ppt
280.000	46.600	mS/m	-1.409	ppt
290.000	47.200	mS/m	-1.168	ppt
300.000	48.200	mS/m	-0.951	ppt
310.000	51.400	mS/m	-0.409	ppt
320.000	55.400	mS/m	0.843	ppt
330.000	68.800	mS/m	3.131	ppt

---> Line : 270
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
330.000	83.400	mS/m	5.226	ppt
320.000	60.800	mS/m	1.445	ppt
310.000	52.400	mS/m	-0.108	ppt
300.000	49.000	mS/m	-0.771	ppt
290.000	47.600	mS/m	-1.012	ppt
280.000	46.800	mS/m	-1.192	ppt
270.000	46.200	mS/m	-1.288	ppt
260.000	46.200	mS/m	-1.421	ppt
250.000	48.000	mS/m	-1.469	ppt
240.000	50.400	mS/m	-1.445	ppt
230.000	51.200	mS/m	-1.517	ppt
220.000	52.000	mS/m	-1.481	ppt
210.000	52.200	mS/m	-1.602	ppt
200.000	54.000	mS/m	-1.505	ppt
190.000	57.000	mS/m	-1.397	ppt
180.000	57.400	mS/m	-1.710	ppt
170.000	49.200	mS/m	1.252	ppt
160.000	59.400	mS/m	-1.854	ppt
150.000	61.400	mS/m	-1.288	ppt
140.000	60.800	mS/m	-1.313	ppt
130.000	61.600	mS/m	-1.493	ppt
120.000	64.800	mS/m	-1.782	ppt
110.000	65.800	mS/m	-1.602	ppt
100.000	63.000	mS/m	-1.240	ppt
90.000	62.400	mS/m	-1.638	ppt
80.000	57.000	mS/m	-0.999	ppt
70.000	40.400	mS/m	-0.879	ppt
60.000	43.800	mS/m	2.180	ppt
50.000	53.800	mS/m	0.662	ppt
40.000	54.600	mS/m	0.590	ppt
30.000	54.800	mS/m	0.289	ppt
20.000	58.200	mS/m	1.096	ppt
10.000	66.200	mS/m	5.142	ppt
0.000	107.200	mS/m	14.197	ppt

---> Line : 280
Mode V Component B Contains 1 segments.

Initial station : 0 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
0.000	47.200	mS/m	12.692	ppt
10.000	74.400	mS/m	7.899	ppt
20.000	53.600	mS/m	-0.566	ppt
30.000	52.000	mS/m	1.698	ppt
40.000	53.400	mS/m	0.698	ppt
50.000	58.200	mS/m	-0.385	ppt
60.000	59.600	mS/m	-0.783	ppt
70.000	61.800	mS/m	-0.759	ppt
80.000	62.200	mS/m	-0.698	ppt
90.000	61.600	mS/m	-0.614	ppt
100.000	62.400	mS/m	-0.819	ppt
110.000	61.400	mS/m	-0.975	ppt
120.000	60.600	mS/m	0.373	ppt
130.000	61.600	mS/m	0.229	ppt
140.000	60.600	mS/m	-0.915	ppt
150.000	60.600	mS/m	-0.939	ppt
160.000	58.400	mS/m	-1.084	ppt
170.000	56.600	mS/m	-0.048	ppt
180.000	60.000	mS/m	-1.216	ppt
190.000	58.400	mS/m	-1.313	ppt
200.000	55.800	mS/m	-1.096	ppt
210.000	53.400	mS/m	-1.168	ppt
220.000	49.800	mS/m	-1.337	ppt
230.000	51.000	mS/m	-1.108	ppt
240.000	49.000	mS/m	-1.204	ppt
250.000	47.800	mS/m	-1.216	ppt
260.000	46.200	mS/m	-1.301	ppt
270.000	46.600	mS/m	-1.144	ppt
280.000	46.600	mS/m	-0.915	ppt
290.000	47.400	mS/m	-0.686	ppt
300.000	49.200	mS/m	-0.421	ppt
310.000	52.000	mS/m	0.000	ppt
320.000	57.800	mS/m	1.168	ppt
330.000	74.800	mS/m	3.877	ppt

---> Line : 290
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
330.000	92.000	mS/m	6.900	ppt
320.000	67.600	mS/m	2.770	ppt
310.000	55.600	mS/m	0.903	ppt
300.000	51.400	mS/m	0.241	ppt
290.000	49.600	mS/m	-0.072	ppt
280.000	47.400	mS/m	-0.421	ppt
270.000	46.800	mS/m	-0.590	ppt
260.000	46.800	mS/m	-0.710	ppt
250.000	47.800	mS/m	-0.735	ppt
240.000	48.800	mS/m	-0.843	ppt
230.000	50.800	mS/m	-0.807	ppt
220.000	53.000	mS/m	-0.759	ppt
210.000	54.800	mS/m	-0.698	ppt
200.000	56.600	mS/m	-0.674	ppt
190.000	59.200	mS/m	-0.891	ppt
180.000	61.200	mS/m	-2.264	ppt
170.000	53.400	mS/m	3.179	ppt
160.000	58.800	mS/m	-2.734	ppt
150.000	61.400	mS/m	-0.855	ppt
140.000	60.800	mS/m	-0.650	ppt
130.000	60.200	mS/m	-2.517	ppt
120.000	47.800	mS/m	0.145	ppt
110.000	58.400	mS/m	-0.662	ppt

90.000	62.000	mS/m	-0.313	ppt
80.000	62.000	mS/m	-0.120	ppt
70.000	60.800	mS/m	0.530	ppt
60.000	59.600	mS/m	0.434	ppt
50.000	58.600	mS/m	-1.228	ppt
40.000	55.000	mS/m	4.757	ppt
30.000	57.400	mS/m	1.577	ppt
20.000	55.800	mS/m	-0.482	ppt
10.000	62.800	mS/m	9.513	ppt
0.000	106.600	mS/m	9.031	ppt

---> Line : 300
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
0.000	139.200	mS/m	15.004	ppt
10.000	94.200	mS/m	8.634	ppt
20.000	67.600	mS/m	3.877	ppt
30.000	69.600	mS/m	0.614	ppt
40.000	69.400	mS/m	3.877	ppt
50.000	60.200	mS/m	1.517	ppt
60.000	66.000	mS/m	-0.879	ppt
70.000	61.600	mS/m	1.794	ppt
80.000	51.800	mS/m	5.720	ppt
90.000	64.800	mS/m	-0.048	ppt
100.000	68.000	mS/m	0.506	ppt
110.000	69.200	mS/m	-1.276	ppt
120.000	52.400	mS/m	6.816	ppt
130.000	64.400	mS/m	0.289	ppt
140.000	66.400	mS/m	-0.277	ppt
150.000	64.800	mS/m	0.879	ppt
160.000	67.000	mS/m	-1.192	ppt
170.000	63.600	mS/m	11.139	ppt
180.000	53.000	mS/m	-1.565	ppt
190.000	65.800	mS/m	-0.638	ppt
200.000	61.400	mS/m	0.181	ppt
210.000	60.400	mS/m	0.181	ppt
220.000	58.800	mS/m	0.181	ppt
230.000	55.400	mS/m	0.024	ppt
240.000	53.400	mS/m	0.120	ppt
250.000	51.800	mS/m	0.084	ppt
260.000	49.800	mS/m	0.012	ppt
270.000	50.800	mS/m	0.181	ppt
280.000	50.800	mS/m	0.409	ppt
290.000	53.000	mS/m	0.662	ppt
300.000	55.200	mS/m	0.727	ppt
310.000	58.000	mS/m	1.638	ppt
320.000	65.800	mS/m	3.047	ppt
330.000	86.000	mS/m	6.346	ppt

---> Line : 310
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 0 Increment :-10

Station	Conductivity		In-phase	
330.000	114.600	mS/m	11.404	ppt
320.000	83.200	mS/m	6.129	ppt
310.000	70.800	mS/m	4.203	ppt
300.000	66.600	mS/m	3.576	ppt
290.000	65.200	mS/m	3.239	ppt
280.000	62.600	mS/m	2.782	ppt
270.000	64.200	mS/m	2.950	ppt
260.000	63.600	mS/m	2.782	ppt
250.000	63.600	mS/m	2.529	ppt

230.000	66.800	mS/m	2.457	ppt
220.000	67.800	mS/m	2.216	ppt
210.000	72.800	mS/m	2.734	ppt
200.000	72.400	mS/m	2.276	ppt
190.000	73.400	mS/m	2.204	ppt
180.000	77.000	mS/m	1.168	ppt
170.000	73.800	mS/m	3.299	ppt
160.000	72.400	mS/m	0.975	ppt
150.000	72.200	mS/m	3.444	ppt
140.000	77.200	mS/m	1.722	ppt
130.000	78.200	mS/m	3.263	ppt
120.000	77.000	mS/m	4.022	ppt
110.000	79.600	mS/m	1.915	ppt
100.000	80.200	mS/m	2.469	ppt
90.000	77.200	mS/m	1.951	ppt
80.000	74.000	mS/m	4.311	ppt
70.000	74.200	mS/m	4.154	ppt
60.000	80.200	mS/m	2.372	ppt
50.000	81.800	mS/m	1.758	ppt
40.000	80.000	mS/m	9.272	ppt
30.000	79.800	mS/m	4.010	ppt
20.000	86.000	mS/m	6.226	ppt
10.000	93.000	mS/m	9.224	ppt
0.000	138.800	mS/m	14.836	ppt

---> Line : 40
Mode V Cómponent B Contains 1 seqments.
Seqment : 1
Initial station : 270 Final station : 280 Increment : 10

Station	Conductivity		In-phase	
270.000	71.200	mS/m	2.962	ppt
280.000	88.800	mS/m	8.490	ppt

---> Line : 50
Mode V Component B Contains 1 seqments.
Seqment : 1
Initial station : 290 Final station : 210 Increment :-10

Station	Conductivity		In-phase	
290.000	94.600	mS/m	9.525	ppt
280.000	49.600	mS/m	-4.311	ppt
270.000	58.400	mS/m	-0.361	ppt
260.000	72.600	mS/m	-0.229	ppt
250.000	61.800	mS/m	-2.023	ppt
240.000	85.600	mS/m	3.059	ppt
230.000	89.000	mS/m	3.528	ppt
220.000	86.600	mS/m	0.614	ppt
210.000	73.800	mS/m	-0.434	ppt

---> Line : 60
Mode V Component B Contains 2 seqments.
Seqment : 1
Initial station : 80 Final station : 130 Increment : 10

Station	Conductivity		In-phase	
80.000	56.400	mS/m	-1.734	ppt
90.000	57.400	mS/m	-1.722	ppt
100.000	60.200	mS/m	-1.638	ppt
110.000	65.000	mS/m	-1.072	ppt
120.000	71.200	mS/m	0.747	ppt
130.000	91.600	mS/m	5.648	ppt

Seqment : 2
Initial station : 210 Final station : 300 Increment : 10

Station	Conductivity		In-phase	
210.000	86.800	mS/m	1.024	ppt
220.000	62.800	mS/m	-5.034	ppt
230.000	39.800	mS/m	-9.959	ppt
240.000	69.000	mS/m	-21.314	ppt
250.000	-108.800	mS/m	-31.646	ppt
260.000	-148.800	mS/m	-31.646	ppt
270.000	95.600	mS/m	6.177	ppt
280.000	95.800	mS/m	9.224	ppt
290.000	77.800	mS/m	4.961	ppt
300.000	70.000	mS/m	2.697	ppt

---> Line : 70
Mode V Component B Contains 2 seqments.
Seqment : 1
Initial station : 330 Final station : 220 Increment :-10

Station	Conductivity		In-phase	
330.000	94.600	mS/m	0.735	ppt
320.000	71.200	mS/m	-0.434	ppt
310.000	57.800	mS/m	-0.759	ppt
300.000	62.800	mS/m	0.145	ppt

270.000	-115.000	mS/m	-31.670	ppt
260.000	-138.400	mS/m	-31.682	ppt
250.000	131.200	mS/m	-0.951	ppt
240.000	-16.200	mS/m	-31.682	ppt
230.000	-33.000	mS/m	-31.682	ppt
220.000	108.400	mS/m	6.045	ppt

Segment : 2
Initial station : 120 Final station : 90 Increment :-10

Station	Conductivity		In-phase	
120.000	-199.400	mS/m	-31.694	ppt
110.000	-21.800	mS/m	-31.694	ppt
100.000	79.800	mS/m	2.721	ppt
90.000	63.200	mS/m	-1.770	ppt

---> Line : 71
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 140 Final station : 80 Increment :-10

Station	Conductivity		In-phase	
140.000	-87.400	mS/m	-31.706	ppt
130.000	-160.400	mS/m	-31.706	ppt
120.000	75.800	mS/m	2.758	ppt
110.000	64.000	mS/m	-1.577	ppt
100.000	59.200	mS/m	-1.854	ppt
90.000	57.600	mS/m	-1.794	ppt
80.000	57.000	mS/m	-1.818	ppt

---> Line : 80
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 80 Final station : 150 Increment : 10

Station	Conductivity		In-phase	
80.000	55.400	mS/m	-1.999	ppt
90.000	56.000	mS/m	-1.939	ppt
100.000	58.600	mS/m	-1.818	ppt
110.000	62.200	mS/m	-1.602	ppt
120.000	69.800	mS/m	0.265	ppt
130.000	71.400	mS/m	-9.766	ppt
140.000	-281.200	mS/m	-31.718	ppt
150.000	-252.800	mS/m	-31.718	ppt

Segment : 2
Initial station : 230 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
230.000	31.200	mS/m	-31.730	ppt
240.000	72.800	mS/m	-31.562	ppt
250.000	-51.200	mS/m	-30.815	ppt
260.000	156.400	mS/m	17.039	ppt
270.000	97.400	mS/m	10.705	ppt
280.000	59.600	mS/m	-0.446	ppt
290.000	56.200	mS/m	0.108	ppt
300.000	58.400	mS/m	-1.084	ppt
310.000	55.200	mS/m	-1.397	ppt
320.000	57.400	mS/m	-1.349	ppt
330.000	79.200	mS/m	-0.060	ppt

---> Line : 90
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 330 Final station : 230 Increment :-10

Station	Conductivity		In-phase	
330.000	84.400	mS/m	0.470	ppt
320.000	57.400	mS/m	-1.505	ppt
310.000	53.800	mS/m	-1.698	ppt
300.000	56.800	mS/m	-1.433	ppt

270.000	74.800	mS/m	1.650	ppt
260.000	-75.200	mS/m	-31.742	ppt
250.000	-53.600	mS/m	-31.754	ppt
240.000	75.000	mS/m	-15.703	ppt
230.000	43.600	mS/m	0.855	ppt

Segment : 2
Initial station : 160 Final station : 80 Increment :-10

Station	Conductivity		In-phase	
160.000	-65.400	mS/m	-31.754	ppt
150.000	-34.800	mS/m	-31.754	ppt
140.000	-46.000	mS/m	-31.754	ppt
130.000	80.600	mS/m	5.009	ppt
120.000	67.800	mS/m	0.000	ppt
110.000	65.200	mS/m	-1.288	ppt
100.000	57.400	mS/m	-1.854	ppt
90.000	57.200	mS/m	-1.866	ppt
80.000	55.800	mS/m	-1.951	ppt

---> Line : 100
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 80 Final station : 170 Increment : 10

Station	Conductivity		In-phase	
80.000	54.600	mS/m	-2.011	ppt
90.000	55.400	mS/m	-1.794	ppt
100.000	56.200	mS/m	-1.854	ppt
110.000	60.200	mS/m	-1.746	ppt
120.000	67.000	mS/m	-1.397	ppt
130.000	69.800	mS/m	1.108	ppt
140.000	51.400	mS/m	-17.015	ppt
150.000	-206.600	mS/m	-31.767	ppt
160.000	-145.400	mS/m	-31.767	ppt
170.000	122.200	mS/m	17.292	ppt

Segment : 2
Initial station : 240 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
240.000	18.600	mS/m	-31.779	ppt
250.000	-23.800	mS/m	-31.779	ppt
260.000	23.200	mS/m	-22.458	ppt
270.000	65.200	mS/m	-0.638	ppt
280.000	60.400	mS/m	-0.265	ppt
290.000	54.400	mS/m	-1.469	ppt
300.000	55.200	mS/m	-1.662	ppt
310.000	54.400	mS/m	-1.650	ppt
320.000	55.600	mS/m	-1.421	ppt
330.000	72.200	mS/m	-0.193	ppt

---> Line : 110
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 330 Final station : 250 Increment :-10

Station	Conductivity		In-phase	
330.000	82.000	mS/m	0.819	ppt
320.000	56.600	mS/m	-1.337	ppt
310.000	53.000	mS/m	-1.758	ppt
300.000	53.200	mS/m	-1.782	ppt
290.000	55.400	mS/m	-1.529	ppt
280.000	60.800	mS/m	-1.144	ppt
270.000	49.000	mS/m	-0.421	ppt
260.000	77.000	mS/m	1.433	ppt
250.000	118.200	mS/m	7.731	ppt

Segment : 2
Initial station : 170 Final station : 80 Increment :-10

Station	Conductivity	In-phase

150.000	-98.200	mS/m	-31.791	ppt
140.000	85.200	mS/m	1.903	ppt
130.000	70.600	mS/m	-0.737	ppt
120.000	63.400	mS/m	-1.674	ppt
110.000	58.400	mS/m	-1.891	ppt
100.000	56.000	mS/m	-1.951	ppt
90.000	55.400	mS/m	-1.975	ppt
80.000	56.600	mS/m	-1.927	ppt

---> Line : 120
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 80 Final station : 180 Increment : 10

Station	Conductivity		In-phase	
80.000	57.400	mS/m	-1.963	ppt
90.000	56.000	mS/m	-1.963	ppt
100.000	54.600	mS/m	-1.999	ppt
110.000	56.000	mS/m	-2.023	ppt
120.000	60.600	mS/m	-1.830	ppt
130.000	67.800	mS/m	-1.361	ppt
140.000	73.000	mS/m	0.518	ppt
150.000	81.000	mS/m	5.094	ppt
160.000	-194.600	mS/m	-31.803	ppt
170.000	-157.600	mS/m	-31.803	ppt
180.000	38.400	mS/m	-27.528	ppt

Segment : 2
Initial station : 260 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
260.000	81.000	mS/m	0.963	ppt
270.000	61.000	mS/m	-0.723	ppt
280.000	40.000	mS/m	-1.409	ppt
290.000	54.200	mS/m	-1.313	ppt
300.000	53.600	mS/m	-1.505	ppt
310.000	50.600	mS/m	-1.722	ppt
320.000	53.400	mS/m	-1.361	ppt
330.000	68.000	mS/m	0.169	ppt

---> Line : 130
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 330 Final station : 270 Increment :-10

Station	Conductivity		In-phase	
330.000	79.600	mS/m	1.204	ppt
320.000	54.000	mS/m	-1.204	ppt
310.000	50.000	mS/m	-1.734	ppt
300.000	51.200	mS/m	-1.686	ppt
290.000	51.400	mS/m	-1.108	ppt
280.000	55.000	mS/m	-0.458	ppt
270.000	66.800	mS/m	1.349	ppt

Segment : 2
Initial station : 180 Final station : 70 Increment :-10

Station	Conductivity		In-phase	
180.000	-48.400	mS/m	-31.827	ppt
170.000	-272.200	mS/m	-31.815	ppt
160.000	-76.000	mS/m	-31.815	ppt
150.000	-21.200	mS/m	-31.815	ppt
140.000	79.200	mS/m	3.601	ppt
130.000	71.600	mS/m	-1.337	ppt
120.000	63.400	mS/m	-1.674	ppt
110.000	58.600	mS/m	-1.963	ppt
100.000	55.800	mS/m	-1.939	ppt
90.000	55.400	mS/m	-1.963	ppt
80.000	56.800	mS/m	-1.975	ppt
70.000	58.200	mS/m	-1.891	ppt

Mode V Component B Contains 2 segments.

Segment : 1

Initial station : 80 Final station : [illegible] Increment : 10

Station	Conductivity		In-phase	
80.000	58.000	mS/m	-2.035	ppt
90.000	56.600	mS/m	-1.999	ppt
100.000	55.600	mS/m	-1.975	ppt
110.000	57.600	mS/m	-1.903	ppt
120.000	57.600	mS/m	-1.951	ppt
130.000	59.800	mS/m	-1.818	ppt
140.000	64.400	mS/m	-1.662	ppt
150.000	71.800	mS/m	-0.975	ppt
160.000	84.800	mS/m	3.649	ppt
170.000	15.600	mS/m	-26.757	ppt
180.000	-43.200	mS/m	-31.815	ppt
190.000	-96.200	mS/m	-31.815	ppt
200.000	56.400	mS/m	-3.203	ppt

Segment : 2

Initial station : 280 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
280.000	54.000	mS/m	-0.975	ppt
290.000	49.600	mS/m	-1.854	ppt
300.000	51.800	mS/m	-1.939	ppt
310.000	51.800	mS/m	-1.662	ppt
320.000	52.800	mS/m	-1.373	ppt
330.000	69.000	mS/m	0.169	ppt

---> Line : 150

Mode V Component B Contains 2 segments.

Segment : 1

Initial station : 330 Final station : 280 Increment :-10

Station	Conductivity		In-phase	
330.000	82.200	mS/m	1.674	ppt
320.000	57.400	mS/m	-1.036	ppt
310.000	52.000	mS/m	-1.782	ppt
300.000	50.800	mS/m	-2.011	ppt
290.000	50.400	mS/m	-1.722	ppt
280.000	59.800	mS/m	1.806	ppt

Segment : 2

Initial station : 210 Final station : 80 Increment :-10

Station	Conductivity		In-phase	
210.000	-13.200	mS/m	-31.887	ppt
200.000	-59.600	mS/m	-31.887	ppt
190.000	-88.800	mS/m	-31.887	ppt
180.000	25.400	mS/m	-29.129	ppt
170.000	83.000	mS/m	1.529	ppt
160.000	75.800	mS/m	-0.903	ppt
150.000	69.200	mS/m	-1.879	ppt
140.000	63.600	mS/m	-2.071	ppt
130.000	60.800	mS/m	-2.168	ppt
120.000	58.800	mS/m	-2.180	ppt
110.000	57.600	mS/m	-2.143	ppt
100.000	57.200	mS/m	-2.107	ppt
90.000	56.000	mS/m	-1.228	ppt
80.000	57.200	mS/m	-0.470	ppt

---> Line : 160

Mode V Component B Contains 2 segments.

Segment : 1

Initial station : 80 Final station : 220 Increment : 10

Station	Conductivity		In-phase	
80.000	60.600	mS/m	-2.360	ppt
90.000	61.000	mS/m	-2.709	ppt
100.000	61.000	mS/m	-2.517	ppt
[illegible]				

130.000	57.600	mS/m	-2.095	ppt
140.000	62.600	mS/m	-2.721	ppt
150.000	63.400	mS/m	-1.590	ppt
160.000	64.800	mS/m	-0.759	ppt
170.000	74.800	mS/m	-1.036	ppt
180.000	81.000	mS/m	0.759	ppt
190.000	96.800	mS/m	9.068	ppt
200.000	-235.000	mS/m	-31.899	ppt
210.000	-161.400	mS/m	-31.899	ppt
220.000	-76.400	mS/m	-31.899	ppt

Segment : 2
Initial station : 290 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
290.000	53.800	mS/m	-0.759	ppt
300.000	50.600	mS/m	-1.951	ppt
310.000	51.200	mS/m	-1.686	ppt
320.000	53.800	mS/m	-1.156	ppt
330.000	72.000	mS/m	1.096	ppt

---> Line : 171
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 330 Final station : 280 Increment :-10

Station	Conductivity		In-phase	
330.000	73.000	mS/m	1.301	ppt
320.000	56.000	mS/m	-0.747	ppt
310.000	50.200	mS/m	-1.734	ppt
300.000	49.400	mS/m	-1.903	ppt
290.000	53.200	mS/m	-1.060	ppt
280.000	60.200	mS/m	2.059	ppt

Segment : 2
Initial station : 230 Final station : 80 Increment :-10

Station	Conductivity		In-phase	
230.000	-146.200	mS/m	-31.923	ppt
220.000	-122.000	mS/m	-31.923	ppt
210.000	-82.200	mS/m	-31.923	ppt
200.000	24.200	mS/m	-27.239	ppt
190.000	81.200	mS/m	0.397	ppt
180.000	77.400	mS/m	-1.385	ppt
170.000	70.400	mS/m	-1.903	ppt
160.000	66.200	mS/m	-1.818	ppt
150.000	65.200	mS/m	-1.313	ppt
140.000	65.200	mS/m	-2.059	ppt
130.000	62.600	mS/m	-1.036	ppt
120.000	55.800	mS/m	0.554	ppt
110.000	39.000	mS/m	5.672	ppt
100.000	40.200	mS/m	5.563	ppt
90.000	62.400	mS/m	-1.722	ppt
80.000	63.400	mS/m	-2.095	ppt

---> Line : 181
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 80 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
80.000	63.800	mS/m	-2.408	ppt
90.000	35.200	mS/m	-8.730	ppt
100.000	36.200	mS/m	1.794	ppt
110.000	59.600	mS/m	-3.817	ppt
120.000	63.600	mS/m	-2.770	ppt
130.000	64.000	mS/m	-2.637	ppt
140.000	62.800	mS/m	-2.348	ppt
150.000	65.400	mS/m	-2.168	ppt
160.000	68.600	mS/m	-2.083	ppt

190.000	76.000	mS/m	-1.349	ppt
200.000	83.800	mS/m	0.048	ppt
210.000	91.000	mS/m	7.237	ppt
220.000	82.200	mS/m	-0.253	ppt
230.000	-68.000	mS/m	-31.935	ppt
240.000	-186.200	mS/m	-31.923	ppt
250.000	-153.400	mS/m	-31.935	ppt
260.000	-45.000	mS/m	-31.923	ppt
270.000	66.200	mS/m	3.697	ppt
280.000	55.400	mS/m	-0.650	ppt
290.000	52.600	mS/m	-1.806	ppt
300.000	48.600	mS/m	-1.975	ppt
310.000	49.000	mS/m	-1.746	ppt
320.000	52.600	mS/m	-1.012	ppt
330.000	67.000	mS/m	0.999	ppt

---> Line : 190
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 80 Increment :-10

Station	Conductivity		In-phase	
330.000	79.400	mS/m	2.420	ppt
320.000	54.400	mS/m	-0.783	ppt
310.000	50.400	mS/m	-1.662	ppt
300.000	48.200	mS/m	-2.047	ppt
290.000	51.000	mS/m	-2.155	ppt
280.000	52.000	mS/m	-1.987	ppt
270.000	52.600	mS/m	-1.493	ppt
260.000	51.000	mS/m	-5.021	ppt
250.000	24.600	mS/m	-15.113	ppt
240.000	62.000	mS/m	-6.539	ppt
230.000	100.600	mS/m	7.936	ppt
220.000	71.600	mS/m	0.638	ppt
210.000	79.000	mS/m	-1.096	ppt
200.000	74.400	mS/m	-1.626	ppt
190.000	71.200	mS/m	-1.770	ppt
180.000	69.000	mS/m	-1.842	ppt
170.000	69.200	mS/m	-1.891	ppt
160.000	70.000	mS/m	-1.999	ppt
150.000	65.000	mS/m	-1.975	ppt
140.000	64.400	mS/m	-1.999	ppt
130.000	64.600	mS/m	-2.312	ppt
120.000	62.400	mS/m	-2.384	ppt
110.000	64.400	mS/m	-2.746	ppt
100.000	57.400	mS/m	-0.421	ppt
90.000	57.200	mS/m	-0.253	ppt
80.000	62.000	mS/m	-1.891	ppt

---> Line : 200
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 80 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
80.000	63.800	mS/m	-1.939	ppt
90.000	64.200	mS/m	-2.228	ppt
100.000	58.200	mS/m	-0.084	ppt
110.000	55.000	mS/m	1.770	ppt
120.000	59.800	mS/m	-0.205	ppt
130.000	62.400	mS/m	-1.132	ppt
140.000	64.000	mS/m	-2.059	ppt
150.000	65.200	mS/m	-2.095	ppt
160.000	66.600	mS/m	-2.119	ppt
170.000	67.000	mS/m	-2.035	ppt
180.000	66.000	mS/m	-2.083	ppt

210.000	69.000	mS/m	-1.915	ppt
220.000	69.800	mS/m	-1.638	ppt
230.000	69.800	mS/m	-0.349	ppt
240.000	69.800	mS/m	0.169	ppt
250.000	67.400	mS/m	-0.253	ppt
260.000	59.600	mS/m	-1.301	ppt
270.000	53.000	mS/m	-2.119	ppt
280.000	51.400	mS/m	-2.155	ppt
290.000	52.000	mS/m	-2.107	ppt
300.000	49.200	mS/m	-1.963	ppt
310.000	49.000	mS/m	-1.710	ppt
320.000	51.600	mS/m	-0.975	ppt
330.000	63.400	mS/m	0.927	ppt

---> Line : 210
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 80 Increment :-10

Station	Conductivity		In-phase	
330.000	85.000	mS/m	3.865	ppt
320.000	57.600	mS/m	-0.506	ppt
310.000	53.200	mS/m	-1.301	ppt
300.000	49.800	mS/m	-2.011	ppt
290.000	51.600	mS/m	-2.131	ppt
280.000	51.400	mS/m	-2.143	ppt
270.000	52.800	mS/m	-2.192	ppt
260.000	56.000	mS/m	-2.107	ppt
250.000	61.000	mS/m	-2.059	ppt
240.000	65.400	mS/m	-1.975	ppt
230.000	66.800	mS/m	-1.927	ppt
220.000	65.800	mS/m	-1.999	ppt
210.000	65.600	mS/m	-2.059	ppt
200.000	65.400	mS/m	-2.107	ppt
190.000	66.000	mS/m	-1.975	ppt
180.000	63.800	mS/m	-2.059	ppt
170.000	65.200	mS/m	-2.083	ppt
160.000	66.200	mS/m	-2.180	ppt
150.000	65.000	mS/m	-1.987	ppt
140.000	63.400	mS/m	-2.033	ppt
130.000	61.600	mS/m	-1.096	ppt
120.000	61.600	mS/m	-0.566	ppt
110.000	59.600	mS/m	1.770	ppt
100.000	60.400	mS/m	0.578	ppt
90.000	63.400	mS/m	-1.806	ppt
80.000	63.200	mS/m	-2.180	ppt

---> Line : 220
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 80 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
80.000	61.200	mS/m	-1.866	ppt
90.000	61.000	mS/m	-2.107	ppt
100.000	62.400	mS/m	-2.348	ppt
110.000	63.200	mS/m	-2.396	ppt
120.000	62.000	mS/m	-2.372	ppt
130.000	62.400	mS/m	-2.180	ppt
140.000	62.400	mS/m	-2.131	ppt
150.000	62.800	mS/m	-2.023	ppt
160.000	62.600	mS/m	-2.180	ppt
170.000	64.000	mS/m	-2.192	ppt
180.000	60.800	mS/m	-2.192	ppt
190.000	62.600	mS/m	-2.083	ppt
200.000	62.600	mS/m	-1.963	ppt

230.000	63.000	mS/m	-2.095	ppt
240.000	61.000	mS/m	-2.155	ppt
250.000	59.600	mS/m	-2.204	ppt
260.000	55.200	mS/m	-2.264	ppt
270.000	51.200	mS/m	-2.252	ppt
280.000	49.200	mS/m	-2.192	ppt
290.000	50.000	mS/m	-2.192	ppt
300.000	49.000	mS/m	-1.987	ppt
310.000	49.600	mS/m	-1.662	ppt
320.000	54.600	mS/m	-0.783	ppt
330.000	75.000	mS/m	2.565	ppt

NORCAL

OU-5 Landfill Disposal Unit #2

and

OU-1 DOE Disposal Box Area

362.7

Line: 500, Date: 14 NOV 94 #442

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50460.7	.07	0.0	13:16:08	88
	-112.6				
210	51312.0	.07	0.0	13:16:23	88
	230.8				
220	51394.8	.12	0.0	13:16:32	88
	330.7				
230	50530.5	.09	0.0	13:16:41	88
	-119.5				
240	50134.3	.07	0.0	13:16:50	88
	-265.5				
250	50531.2	.06	0.0	13:17:00	88
	-83.1				
260	51080.5	.04	0.0	13:17:10	88
	21.3				
270	51598.7	.07	0.0	13:17:19	88
	249.1				
280	51372.3	.09	0.0	13:17:28	88
	248.9				
290	50416.1	.08	0.0	13:17:38	88
	-212.6				
300	50192.4	.08	0.0	13:17:47	88
	-235.8				
310	50520.4	.06	0.0	13:17:56	88
	-75.9				
320	50786.2	.05	0.0	13:18:06	88
	-46.6				
330	51071.4	.06	0.0	13:18:15	88
	-73.1				

Line: 510 Date: 14 NOV 94 #456

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50983.2	.08	0.0	13:18:27	89
	-66.3				
320	50755.3	.06	0.0	13:18:43	88
	-34.0				
310	50511.0	.07	0.0	13:18:53	88
	-62.6				
300	50235.4	.07	0.0	13:19:02	88
	-205.6				
290	50461.1	.07	0.0	13:19:11	88
	-197.3				
280	51234.3	.07	0.0	13:19:20	88
	172.5				
270	51383.7	.07	0.0	13:19:29	88
	188.1				
260	50951.1	.06	0.0	13:19:38	88
	15.9				
250	50496.3	.07	0.0	13:19:47	88
	-79.4				
240	50164.0	.08	0.0	13:19:56	88
	-261.7				
230	50605.4	.08	0.0	13:20:06	88
	-106.7				
220	51367.1	.11	0.0	13:20:15	88
	341.2				

	189.2				
200	50304.5	.08	0.0	13:20:34	88
	151.9				

Line: 520 Date: 14 NOV 94 #470

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50288.1	.07	0.0	13:20:53	88
	-153.7				
210	51005.8	.06	0.0	13:21:09	88
	130.3				
220	51160.4	.09	0.0	13:21:21	88
	256.5				
230	50530.5	.14	0.0	13:21:34	88
	-102.0				
240	50237.9	.07	0.0	13:21:44	88
	-211.2				
250	50533.1	.06	0.0	13:21:54	88
	-79.0				
260	50948.1	.04	0.0	13:22:04	88
	6.4				
270	51315.0	.07	0.0	13:22:13	88
	169.3				
280	51115.0	.08	0.0	13:22:22	88
	124.9				
290	50411.4	.08	0.0	13:22:32	88
	-188.0				
300	50291.5	.07	0.0	13:22:41	88
	-174.0				
310	50538.7	.06	0.0	13:23:08	88
	-64.2				
320	50737.7	.06	0.0	13:23:18	88
	-48.3				
330	50877.8	.08	0.0	13:23:32	88
	-59.9				
340	51017.3	.07	0.0	13:24:58	88
	-172.9				
350	51222.9	.20	0.0	13:25:16	78
	-377.2				
360	51109.8	1.1	0.0	13:26:05	58
	-706.4				
370	50798.0	.86	0.0	13:26:14	48
	-974.9				
380	50406.3	2.9	0.0	13:26:23	78
	-1422.2				
390	49963.9	.92	0.0	13:26:33	88
	-1192.2				
400	49846.7	3.2	0.0	13:26:43	78
	-1431.4				

Line: 530 Date: 14 NOV 94 #491

POSITION	FIELD	ERR	DRIFT	TIME	DS
400	50167.7	.09	0.0	13:26:57	88
	-317.3				
390	50190.3	.09	0.0	13:27:15	88
	-313.4				
380	50203.4	.09	0.0	13:27:26	88
	-322.5				
370	50153.7	.09	0.0	13:27:40	78
	-336.9				
360	50134.8	.19	0.0	13:27:49	68
	-467.1				
350	50362.4	.16	0.0	13:27:59	68
	-442.1				
340	50667.1	.09	0.0	13:28:08	88
	-267.4				

	-106.0				
320	50707.7	.06	0.0	13:28:27	88
	-59.4				
310	50530.5	.07	0.0	13:28:36	88
	-57.8				
300	50276.6	.07	0.0	13:28:45	88
	-176.3				
290	50474.9	.07	0.0	13:29:06	88
	-169.3				
280	51164.0	.06	0.0	13:29:24	88
	147.4				
270	51371.3	.07	0.0	13:29:33	88
	211.6				
260	50973.3	.06	0.0	13:29:42	88
	23.6				
250	50552.0	.07	0.0	13:29:52	88
	-67.2				
240	50287.3	.06	0.0	13:30:02	88
	-185.6				
230	50512.8	.10	0.0	13:30:11	88
	-110.9				
220	50957.9	.06	0.0	13:30:20	88
	132.3				
210	50847.9	.11	0.0	13:30:30	88
	101.1				
200	50248.0	.07	0.0	13:30:38	88
	-121.4				

Line: 540 Date: 14 NOV 94 #512

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50305.8	.05	0.0	13:30:50	88
	-115.8				
210	50852.3	.13	0.0	13:31:05	88
	90.3				
220	50898.6	.07	0.0	13:31:14	88
	121.2				
230	50467.3	.08	0.0	13:31:23	88
	-111.7				
240	50350.2	.08	0.0	13:31:33	88
	-150.7				
250	50632.1	.05	0.0	13:31:42	88
	-58.7				
260	51033.2	.04	0.0	13:31:50	88
	24.4				
270	51488.7	.08	0.0	13:31:59	88
	262.0				
280	51287.3	.09	0.0	13:32:10	88
	237.5				
290	50417.9	.09	0.0	13:32:26	88
	-238.2				
300	50267.9	.07	0.0	13:32:40	88
	-187.7				
310	50569.2	.06	0.0	13:32:50	88
	-47.6				
320	50745.3	.06	0.0	13:33:01	88
	-51.7				
330	50735.0	.10	0.0	13:34:16	88
	-257.7				
380	50026.0	.06	0.0	13:34:47	88
	-149.7				
390	50279.3	.05	0.0	13:35:10	88
	-118.6				
400	50351.0	.06	0.0	13:35:19	88
	-116.0				

POSITION	FIELD	ERR	DRIFT	TIME	DS
400	50394.0	.06	0.0	13:35:50	88
	-61.6				
390	50292.9	.06	0.0	13:36:05	88
	-58.7				
380	49802.7	.06	0.0	13:36:14	88
	-101.2				
330	50808.1	.10	0.0	13:36:34	88
	-294.6				
320	50732.8	.06	0.0	13:36:49	88
	-4.9				
310	50582.2	.06	0.0	13:36:59	88
	13.4				
300	50248.2	.06	0.0	13:37:11	88
	-200.0				
290	50433.2	.07	0.0	13:37:27	88
	-213.5				
280	51348.4	.09	0.0	13:37:47	88
	288.7				
270	51476.4	.07	0.0	13:38:01	88
	258.0				
260	51004.1	.05	0.0	13:38:13	88
	29.3				
250	50635.8	.08	0.0	13:38:22	88
	-44.1				
240	50359.7	.06	0.0	13:38:31	88
	-148.3				
230	50517.9	.07	0.0	13:38:42	88
	-122.4				
220	51042.0	.07	0.0	13:38:51	88
	206.7				
210	50893.3	.06	0.0	13:39:01	88
	110.6				
200	50353.8	.06	0.0	13:39:11	88
	-89.6				

Line: 560 Date: 14 NOV 94 #546

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50425.6	.10	0.0	13:39:24	88
	-66.0				
210	51028.6	.07	0.0	13:39:38	88
	154.7				
220	51130.9	.08	0.0	13:39:47	88
	232.1				
230	50488.0	.11	0.0	13:39:56	88
	-149.3				
240	50349.9	.07	0.0	13:40:08	88
	-164.6				
250	50653.8	.05	0.0	13:40:17	88
	-47.8				
260	51030.2	.05	0.0	13:40:26	88
	19.9				
270	51419.7	.06	0.0	13:40:34	88
	213.4				
280	51182.9	.08	0.0	13:41:12	88
	191.5				
290	50374.5	.08	0.0	13:41:32	88
	-246.9				
300	50312.4	.12	0.0	13:41:50	88
	-161.2				
310	50588.4	.05	0.0	13:42:00	88
	5.9				
320	50631.0	.09	0.0	13:42:09	88
	-86.0				
330	50734.9	.07	0.0	13:42:19	88

340	50853.0	.83	0.0	13:42:43	48
	-750.5				
380	50091.7	.08	0.0	13:43:14	88
	-74.9				
390	50309.9	.06	0.0	13:44:15	88
	-54.6				
400	50379.2	.05	0.0	13:44:23	88
	-51.4				

Line: 570 Date: 14 NOV 94 #564

POSITION	FIELD	ERR	DRIFT	TIME	DS
400	50230.9	.06	0.0	13:44:34	88
	-115.8				
390	50207.2	.06	0.0	13:44:49	88
	-126.6				
380	50183.6	.06	0.0	13:44:58	88
	-125.8				
370	50154.3	.06	0.0	13:45:07	88
	-136.3				
360	50184.5	.08	0.0	13:45:16	88
	-174.3				
350	50347.2	.07	0.0	13:45:25	88
	-201.1				
340	50565.6	.07	0.0	13:45:34	88
	-149.3				
330	50648.2	.06	0.0	13:45:43	88
	-71.5				
320	50602.5	.07	0.0	13:45:52	88
	-65.9				
310	50600.6	.05	0.0	13:46:03	88
	25.3				
300	50355.1	.06	0.0	13:46:13	88
	-122.1				
290	50238.1	.10	0.0	13:46:30	88
	-302.2				
280	51183.0	.10	0.0	13:46:55	88
	250.6				
270	51382.6	.07	0.0	13:47:07	88
	235.5				
260	50972.9	.07	0.0	13:47:16	88
	24.5				
250	50652.7	.06	0.0	13:47:27	88
	-32.3				
240	50339.4	.06	0.0	13:47:36	88
	-182.1				
230	50574.5	.10	0.0	13:47:45	88
	-118.7				
220	51301.1	.18	0.0	13:47:53	78
	389.1				
210	51026.6	.07	0.0	13:48:02	88
	157.5				
200	50462.9	.10	0.0	13:48:12	88
	-52.3				

Line: 580 Date: 14 NOV 94 #585

POSITION	FIELD	ERR	DRIFT	TIME	DS
200	50461.0	.05	0.0	13:48:25	88
	-74.5				
210	50903.6	.06	0.0	13:48:40	88
	88.6				
220	51067.4	.08	0.0	13:48:49	88
	271.7				
230	50496.8	.10	0.0	13:48:58	88
	-160.6				
240	50439.7	.07	0.0	13:49:07	88

250	50701.2	.05	0.0	[illegible]	88
	-20.1				
260	50981.7	.05	0.0	[illegible]	88
	23.4				
270	51332.3	.08	0.0	13:49:36	88
	257.2				
280	50908.2	.06	0.0	13:49:52	88
	41.3				
290	50294.9	.11	0.0	13:50:06	88
	-303.1				
300	50462.3	.05	0.0	13:50:18	88
	-69.4				
310	50645.3	.05	0.0	13:50:27	88
	14.8				
320	50617.6	.07	0.0	13:50:45	88
	-56.4				
330	50653.7	.06	0.0	13:50:54	88
	-48.0				
340	50642.5	.06	0.0	13:51:02	88
	-71.8				
350	50613.9	.07	0.0	13:51:11	88
	-136.8				
360	50542.6	.11	0.0	13:51:19	88
	-273.0				
370	50234.1	.41	0.0	13:51:30	78
	-420.4				
380	50090.4	.24	0.0	13:51:41	78
	-452.9				
390	50021.8	.19	0.0	13:51:50	68
	-472.6				
400	50025.8	.29	0.0	13:52:01	68
	-461.9				

Line: 590 Date: 14 NOV 94 #606

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50662.6	.05	0.0	13:52:29	88
	-36.1				
320	50615.2	.06	0.0	13:52:53	88
	-50.3				
310	50688.9	.05	0.0	13:53:03	88
	65.8				
300	50565.0	.07	0.0	13:53:13	88
	-31.6				
290	50480.9	.07	0.0	13:53:25	88
	-139.4				
280	50771.8	.05	0.0	13:53:40	88
	-5.6				
270	51052.5	.06	0.0	13:53:54	88
	121.6				
260	50841.5	.06	0.0	13:54:05	88
	6.5				
250	50668.9	.08	0.0	13:54:14	88
	-12.4				
240	50530.8	.07	0.0	13:54:24	88
	-58.2				
230	50545.9	.06	0.0	13:54:34	88
	-82.5				
220	50709.4	.06	0.0	13:54:43	88
	9.1				
210	50634.4	.06	0.0	13:54:52	88
	1.0				
200	50348.8	.06	0.0	13:55:01	88
	-130.2				

[illegible] 600 Date: 14 NOV 94 #620

200	50329.7	.06	0.0	13:55:12	88
	-147.5				
210	50534.5	.06	0.0	13:55:27	88
	-24.5				
220	50595.5	.06	0.0	13:55:37	88
	-17.2				
230	50580.3	.06	0.0	13:55:46	88
	-31.0				
240	50611.3	.06	0.0	13:55:57	88
	-21.7				
250	50681.2	.05	0.0	13:56:07	88
	-13.6				
260	50745.1	.06	0.0	13:56:17	88
	-15.5				
270	50783.3	.05	0.0	13:56:27	88
	-13.7				
280	50715.4	.05	0.0	13:56:37	88
	-7.5				
290	50590.6	.07	0.0	13:56:47	88
	-50.3				
300	50632.5	.05	0.0	13:56:57	88
	-3.9				
310	50616.9	.05	0.0	13:57:05	88
	-26.8				
320	50585.3	.06	0.0	13:57:15	88
	-51.5				
330	50664.6	.05	0.0	13:57:24	88
	-17.0				

Line: 610 Date: 14 NOV 94 #634

POSITION	FIELD	ERR	DRIFT	TIME	DS
330	50530.5	.06	0.0	13:57:37	88
	-48.5				
320	50504.5	.06	0.0	13:57:52	88
	-59.7				
310	50551.6	.07	0.0	13:58:20	88
	-65.0				
300	50642.0	.06	0.0	14:00:51	88
	-36.0				
290	50665.7	.06	0.0	14:01:07	88
	-39.0				
280	50686.6	.06	0.0	14:01:21	88
	-35.9				
270	50704.2	.06	0.0	14:01:31	88
	-20.9				
260	50692.7	.05	0.0	14:01:40	88
	-14.3				
250	50654.3	.06	0.0	14:01:52	88
	-10.6				
240	50611.3	.06	0.0	14:02:01	88
	-14.0				
230	50585.4	.05	0.0	14:02:10	88
	-17.0				
220	50568.3	.06	0.0	14:02:19	88
	-18.7				
210	50513.8	.06	0.0	14:02:28	88
	-22.7				
200	50354.4	.09	0.0	14:02:36	88
	-129.2				

Line: 620 Date: 14 NOV 94 #648

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50544.5	.07	0.0	14:03:34	88
	-98.6				

20	50550.0	.26	0.0	14:04:02	98
	-353.9				
30	50437.9	.11	0.0	14:04:10	88
	-332.2				
40	50426.1	.25	0.0	14:04:19	68
	-477.9				
50	50179.5	.48	0.0	14:04:27	58
	-624.9				
60	50081.9	.24	0.0	14:04:36	78
	-396.0				
70	50150.8	.10	0.0	14:04:45	88
	-310.6				
80	50259.2	.08	0.0	14:04:54	88
	-283.7				
90	50335.0	.11	0.0	14:05:02	88
	-333.1				
100	50299.1	.70	0.0	14:05:11	58
	-601.5				
110	50023.3	.62	0.0	14:05:20	58
	-585.0				
120	50075.8	.09	0.0	14:05:28	88
	-323.7				
130	50165.4	.08	0.0	14:05:36	88
	-311.6				
140	50080.4	.14	0.0	14:05:45	78
	-386.6				
150	50035.5	.21	0.0	14:05:54	58
	-521.0				
160	49794.8	.27	0.0	14:06:02	68
	-566.3				
170	50035.1	.07	0.0	14:06:10	88
	-249.0				
180	50324.6	.07	0.0	14:06:19	88
	-191.6				
190	50376.3	.06	0.0	14:06:28	88
	-138.5				
200	50437.6	.06	0.0	14:06:38	88
	-59.1				
210	50513.9	.05	0.0	14:06:47	88
	-20.3				
220	50529.0	.07	0.0	14:06:57	88
	-20.0				
230	50529.1	.06	0.0	14:07:06	88
	-27.4				
240	50555.9	.06	0.0	14:07:15	88
	-22.6				
250	50599.9	.06	0.0	14:07:25	88
	-18.9				
260	50641.2	.06	0.0	14:07:34	88
	-21.3				
270	50667.8	.06	0.0	14:07:43	88
	-25.5				
280	50676.1	.06	0.0	14:07:52	88
	-33.7				
290	50685.1	.06	0.0	14:08:01	88
	-43.0				
300	50682.3	.06	0.0	14:08:10	88
	-56.1				
310	50587.4	.08	0.0	14:08:20	88
	-110.9				
320	50319.4	.08	0.0	14:08:30	88
	-172.5				
330	50226.7	.06	0.0	14:08:40	88
	-109.0				

POSITION	FIELD	ERR	DRIFT	TIME	DS
310	51329.0	.14	0.0	14:09:44	88
	-41.1				
300	50835.2	.07	0.0	14:10:04	88
	-91.2				
290	50713.8	.07	0.0	14:10:13	88
	-68.8				
280	50663.8	.06	0.0	14:10:21	88
	-51.5				
270	50607.4	.07	0.0	14:10:30	88
	-50.5				
260	50558.6	.06	0.0	14:10:39	88
	-42.4				
250	50469.8	.07	0.0	14:10:49	88
	-45.3				
240	50383.3	.06	0.0	14:10:57	88
	-61.3				
230	50351.5	.06	0.0	14:11:06	88
	-75.7				
220	50390.6	.07	0.0	14:11:14	88
	-96.7				
210	50440.9	.07	0.0	14:11:23	88
	-89.8				
200	50448.7	.07	0.0	14:11:32	88
	-72.7				
190	50415.6	.06	0.0	14:11:40	88
	-66.6				
180	50359.6	.05	0.0	14:11:49	88
	-62.9				
170	50264.8	.05	0.0	14:11:57	88
	-67.1				
160	50173.5	.05	0.0	14:12:06	88
	-96.0				
150	50160.3	.05	0.0	14:12:14	88
	-119.1				
140	50194.8	.05	0.0	14:12:23	88
	-125.7				
130	50247.4	.06	0.0	14:12:39	88
	-108.8				
120	50262.0	.06	0.0	14:12:48	88
	-110.5				
110	50293.6	.06	0.0	14:12:56	88
	-125.7				
100	50355.5	.05	0.0	14:13:05	88
	-114.1				
90	50393.6	.06	0.0	14:13:14	88
	-99.7				
80	50393.4	.07	0.0	14:13:23	88
	-79.1				
70	50365.2	.06	0.0	14:13:31	88
	-82.8				
60	50351.4	.07	0.0	14:13:40	88
	-102.9				
50	50389.4	.07	0.0	14:13:49	88
	-112.9				
40	50440.7	.06	0.0	14:13:58	88
	-102.0				
30	50481.2	.07	0.0	14:14:07	88
	-95.0				
20	50546.9	.05	0.0	14:14:16	88
	-50.3				
10	50557.9	.07	0.0	14:14:25	88
	-66.3				
0	50514.8	.07	0.0	14:14:34	88

Line: 640 Date: 14 NOV 94 #714

POSITION	FIELD	ERR	DRIFT	TIME	DS
0	50426.1	.06	0.0	14:14:45	88
	-147.1				
10	50480.0	.07	0.0	14:15:00	88
	-107.9				
20	50490.2	.07	0.0	14:15:12	88
	-86.6				
30	50452.7	.07	0.0	14:15:21	88
	-111.1				
40	50465.6	.07	0.0	14:15:30	88
	-119.6				
50	50464.4	.06	0.0	14:15:39	88
	-120.7				
60	50439.9	.06	0.0	14:15:48	88
	-121.3				
70	50439.9	.07	0.0	14:15:57	88
	-122.1				
80	50454.1	.06	0.0	14:16:05	88
	-113.4				
90	50455.1	.06	0.0	14:16:14	88
	-119.8				
100	50442.2	.07	0.0	14:16:23	88
	-123.1				
110	50464.8	.06	0.0	14:16:32	88
	-43.3				
120	50352.1	.06	0.0	14:17:33	88
	-170.3				
130	50416.4	.06	0.0	14:17:41	88
	-38.2				
140	50334.4	.07	0.0	14:17:50	88
	-120.9				
150	50217.1	.08	0.0	14:17:59	88
	-160.6				
160	50224.0	.07	0.0	14:18:09	88
	-152.7				
170	50317.6	.06	0.0	14:18:18	88
	-143.5				
180	50391.7	.07	0.0	14:18:30	88
	-158.8				
190	50393.1	.07	0.0	14:18:40	88
	-170.4				
200	50430.1	.07	0.0	14:18:54	88
	-199.0				
210	50391.1	.09	0.0	14:19:04	88
	-299.7				
220	50166.4	.12	0.0	14:19:16	88
	-357.0				
230	49907.5	.12	0.0	14:19:26	88
	-338.3				
240	49911.9	.08	0.0	14:19:36	88
	-261.8				
250	50153.8	.07	0.0	14:19:46	88
	-191.1				
260	50489.6	.06	0.0	14:19:57	88
	-35.8				
270	50517.7	.07	0.0	14:20:55	88
	-179.0				
280	50628.8	.07	0.0	14:21:05	88
	-136.0				
290	50691.4	.08	0.0	14:21:15	88
	-195.6				
300	50874.7	.08	0.0	14:21:25	88
	-238.4				
310	52092.0	.10	0.0	14:21:37	88

---> Line : 345
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 20 Final station : 220 Increment : 5

Station	Conductivity		In-phase	
20.000	52.400	mS/m	-2.360	ppt
25.000	55.200	mS/m	-2.709	ppt
30.000	61.000	mS/m	-3.299	ppt
35.000	65.800	mS/m	-3.902	ppt
40.000	47.600	mS/m	-1.168	ppt
45.000	44.600	mS/m	-0.783	ppt
50.000	53.600	mS/m	-1.951	ppt
55.000	60.600	mS/m	-2.336	ppt
60.000	63.200	mS/m	-1.891	ppt
65.000	65.600	mS/m	-1.746	ppt
70.000	67.200	mS/m	-1.854	ppt
75.000	70.400	mS/m	-1.854	ppt
80.000	72.600	mS/m	-1.758	ppt
85.000	75.400	mS/m	-1.650	ppt
90.000	77.800	mS/m	-1.746	ppt
95.000	72.000	mS/m	-1.252	ppt
100.000	66.200	mS/m	-1.096	ppt
105.000	68.800	mS/m	-1.349	ppt
110.000	73.000	mS/m	-1.842	ppt
115.000	77.400	mS/m	-1.204	ppt
120.000	77.000	mS/m	-0.987	ppt
125.000	76.400	mS/m	-0.602	ppt
130.000	75.400	mS/m	-0.542	ppt
135.000	73.600	mS/m	-0.554	ppt
140.000	72.200	mS/m	-0.602	ppt
145.000	69.800	mS/m	-0.903	ppt
150.000	67.000	mS/m	-0.482	ppt
155.000	65.800	mS/m	0.879	ppt
160.000	66.800	mS/m	2.011	ppt
165.000	65.400	mS/m	2.071	ppt
170.000	64.000	mS/m	1.891	ppt
175.000	68.000	mS/m	-0.421	ppt
180.000	66.200	mS/m	-0.807	ppt
185.000	66.200	mS/m	-0.831	ppt
190.000	64.600	mS/m	-0.927	ppt
195.000	63.000	mS/m	-0.518	ppt
200.000	62.400	mS/m	-0.566	ppt
205.000	62.000	mS/m	-0.662	ppt
210.000	61.800	mS/m	-0.915	ppt
215.000	61.200	mS/m	-0.723	ppt
220.000	62.000	mS/m	-0.807	ppt

---> Line : 350
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 220 Final station : 20 Increment :-5

Station	Conductivity		In-phase	
220.000	60.400	mS/m	-1.457	ppt
215.000	60.200	mS/m	-1.481	ppt
210.000	59.200	mS/m	-1.565	ppt
205.000	58.200	mS/m	-1.746	ppt
200.000	58.000	mS/m	-1.806	ppt

185.000	56.600	mS/m	-4.648	ppt
180.000	50.600	mS/m	-10.826	ppt
175.000	56.400	mS/m	-2.613	ppt
170.000	62.000	mS/m	1.782	ppt
165.000	60.200	mS/m	0.783	ppt
160.000	60.000	mS/m	0.337	ppt
155.000	63.400	mS/m	-0.674	ppt
150.000	68.000	mS/m	-2.360	ppt
145.000	71.400	mS/m	-2.926	ppt
140.000	71.000	mS/m	-3.010	ppt
135.000	72.600	mS/m	-3.384	ppt
130.000	72.600	mS/m	-2.493	ppt
125.000	69.400	mS/m	-0.807	ppt
120.000	74.000	mS/m	-1.337	ppt
115.000	74.800	mS/m	-2.155	ppt
110.000	71.600	mS/m	-2.348	ppt
105.000	65.200	mS/m	-1.638	ppt
100.000	65.000	mS/m	-1.349	ppt
95.000	71.800	mS/m	-1.710	ppt
90.000	77.200	mS/m	-1.891	ppt
85.000	73.200	mS/m	-1.879	ppt
80.000	69.800	mS/m	-1.963	ppt
75.000	66.400	mS/m	-2.143	ppt
70.000	64.000	mS/m	-2.192	ppt
65.000	62.800	mS/m	-2.216	ppt
60.000	61.000	mS/m	-2.420	ppt
55.000	60.600	mS/m	-2.746	ppt
50.000	52.400	mS/m	-2.035	ppt
45.000	44.800	mS/m	-1.204	ppt
40.000	48.000	mS/m	-1.806	ppt
35.000	57.000	mS/m	-3.396	ppt
30.000	54.600	mS/m	-2.962	ppt
25.000	53.000	mS/m	-2.541	ppt
20.000	50.800	mS/m	-2.384	ppt

Segment : 2
Initial station : 20 Final station : 220 Increment : 5

Station	Conductivity		In-phase	
20.000	49.400	mS/m	-2.348	ppt
25.000	50.800	mS/m	-2.517	ppt
30.000	53.800	mS/m	-2.950	ppt
35.000	57.400	mS/m	-3.191	ppt
40.000	50.600	mS/m	-1.866	ppt
45.000	48.200	mS/m	-1.517	ppt
50.000	55.800	mS/m	-2.469	ppt
55.000	61.200	mS/m	-2.625	ppt
60.000	60.200	mS/m	-2.445	ppt
65.000	62.400	mS/m	-2.300	ppt
70.000	63.400	mS/m	-2.276	ppt
75.000	65.600	mS/m	-2.107	ppt
80.000	69.200	mS/m	-1.915	ppt
85.000	76.200	mS/m	-1.710	ppt
90.000	80.000	mS/m	-1.758	ppt
95.000	70.400	mS/m	-1.734	ppt
100.000	64.800	mS/m	-1.445	ppt
105.000	65.800	mS/m	-1.915	ppt
110.000	71.200	mS/m	-2.372	ppt
115.000	75.600	mS/m	-2.071	ppt
120.000	70.800	mS/m	-0.951	ppt
125.000	68.400	mS/m	-0.915	ppt
130.000	73.800	mS/m	-3.179	ppt
135.000	73.200	mS/m	-3.613	ppt
140.000	71.800	mS/m	-3.372	ppt
145.000	76.200	mS/m	-2.721	ppt
150.000	77.200	mS/m	0.373	ppt

165.000	79.400	mS/m	9.710	ppt
170.000	78.600	mS/m	10.645	ppt
175.000	58.800	mS/m	-4.116	ppt
180.000	41.600	mS/m	-19.056	ppt
185.000	55.200	mS/m	-4.793	ppt
190.000	59.800	mS/m	-0.265	ppt
195.000	56.400	mS/m	-2.131	ppt
200.000	57.000	mS/m	-2.204	ppt
205.000	56.800	mS/m	-2.180	ppt
210.000	58.200	mS/m	-2.023	ppt
215.000	59.800	mS/m	-1.987	ppt
220.000	59.800	mS/m	-1.951	ppt

---> Line : 360
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 220 Final station : 20 Increment :-5

Station	Conductivity		In-phase	
220.000	57.400	mS/m	-1.951	ppt
215.000	56.800	mS/m	-1.975	ppt
210.000	55.200	mS/m	-2.011	ppt
205.000	55.000	mS/m	-2.023	ppt
200.000	55.000	mS/m	-2.107	ppt
195.000	55.000	mS/m	-1.903	ppt
190.000	56.400	mS/m	-0.735	ppt
185.000	50.800	mS/m	-6.599	ppt
180.000	42.800	mS/m	-11.765	ppt
175.000	53.000	mS/m	-0.397	ppt
170.000	56.600	mS/m	0.674	ppt
165.000	58.000	mS/m	-0.217	ppt
160.000	61.400	mS/m	-0.590	ppt
155.000	64.800	mS/m	-1.421	ppt
150.000	69.200	mS/m	-2.095	ppt
145.000	69.400	mS/m	-2.709	ppt
140.000	69.400	mS/m	-2.878	ppt
135.000	71.800	mS/m	-3.179	ppt
130.000	71.400	mS/m	-2.469	ppt
125.000	67.600	mS/m	-1.096	ppt
120.000	70.200	mS/m	-1.517	ppt
115.000	75.800	mS/m	-2.168	ppt
110.000	73.400	mS/m	-2.469	ppt
105.000	69.400	mS/m	-1.746	ppt
100.000	67.400	mS/m	-1.457	ppt
95.000	71.800	mS/m	-1.891	ppt
90.000	74.000	mS/m	-2.107	ppt
85.000	71.200	mS/m	-2.023	ppt
80.000	68.600	mS/m	-2.083	ppt
75.000	67.000	mS/m	-2.216	ppt
70.000	65.800	mS/m	-2.228	ppt
65.000	62.800	mS/m	-2.360	ppt
60.000	60.400	mS/m	-2.541	ppt
55.000	61.200	mS/m	-2.842	ppt
50.000	56.000	mS/m	-2.505	ppt
45.000	49.400	mS/m	-1.590	ppt
40.000	51.000	mS/m	-2.192	ppt
35.000	55.800	mS/m	-2.974	ppt
30.000	53.400	mS/m	-2.758	ppt
25.000	48.800	mS/m	-2.529	ppt
20.000	48.000	mS/m	-2.276	ppt

---> Line : 365
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 20 Final station : 220 Increment : 5

25.000	49.600	mS/m	-2.505	ppt
30.000	51.200	mS/m	-2.842	ppt
35.000	55.000	mS/m	-2.914	ppt
40.000	49.600	mS/m	-1.975	ppt
45.000	51.000	mS/m	-1.818	ppt
50.000	56.400	mS/m	-2.541	ppt
55.000	60.800	mS/m	-2.565	ppt
60.000	60.800	mS/m	-2.481	ppt
65.000	64.200	mS/m	-2.336	ppt
70.000	67.000	mS/m	-2.276	ppt
75.000	68.200	mS/m	-2.228	ppt
80.000	70.000	mS/m	-2.119	ppt
85.000	72.000	mS/m	-2.216	ppt
90.000	74.600	mS/m	-2.216	ppt
95.000	71.200	mS/m	-1.662	ppt
100.000	69.800	mS/m	-1.397	ppt
105.000	73.200	mS/m	-2.011	ppt
110.000	75.800	mS/m	-2.541	ppt
115.000	75.600	mS/m	-2.288	ppt
120.000	69.400	mS/m	-1.553	ppt
125.000	68.000	mS/m	-1.614	ppt
130.000	73.000	mS/m	-2.721	ppt
135.000	71.200	mS/m	-2.890	ppt
140.000	68.400	mS/m	-2.697	ppt
145.000	68.400	mS/m	-2.312	ppt
150.000	68.000	mS/m	-1.204	ppt
155.000	68.400	mS/m	0.843	ppt
160.000	68.800	mS/m	2.396	ppt
165.000	67.200	mS/m	3.131	ppt
170.000	67.200	mS/m	3.745	ppt
175.000	64.400	mS/m	2.155	ppt
180.000	61.000	mS/m	-0.470	ppt
185.000	57.800	mS/m	-1.842	ppt
190.000	56.200	mS/m	-1.987	ppt
195.000	54.600	mS/m	-2.168	ppt
200.000	54.800	mS/m	-2.204	ppt
205.000	55.400	mS/m	-2.131	ppt
210.000	56.800	mS/m	-2.131	ppt
215.000	58.400	mS/m	-2.083	ppt
220.000	59.800	mS/m	-2.035	ppt

---> Line : 370
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 20 Final station : 320 Increment : 10

Station	Conductivity		In-phase	
20.000	49.400	mS/m	-2.300	ppt
30.000	49.800	mS/m	-2.589	ppt
40.000	51.600	mS/m	-2.625	ppt
50.000	53.000	mS/m	-2.264	ppt
60.000	60.200	mS/m	-2.685	ppt
70.000	66.400	mS/m	-2.469	ppt
80.000	69.200	mS/m	-2.384	ppt
90.000	73.200	mS/m	-2.481	ppt
100.000	71.200	mS/m	-1.577	ppt
110.000	77.400	mS/m	-2.553	ppt
120.000	74.400	mS/m	-2.059	ppt
130.000	71.400	mS/m	-2.336	ppt
140.000	69.000	mS/m	-2.697	ppt
150.000	67.600	mS/m	-2.336	ppt
160.000	64.200	mS/m	-1.445	ppt
170.000	61.200	mS/m	-1.072	ppt
180.000	58.400	mS/m	-1.577	ppt
190.000	55.600	mS/m	-2.131	ppt

220.000	58.600	mS/m	-2.047	ppt
230.000	60.200	mS/m	-2.047	ppt
240.000	64.600	mS/m	-1.775	ppt
250.000	66.800	mS/m	-1.891	ppt
260.000	69.200	mS/m	-1.782	ppt
270.000	70.800	mS/m	-1.842	ppt
280.000	70.800	mS/m	-1.794	ppt
290.000	71.200	mS/m	-1.385	ppt
300.000	72.600	mS/m	-1.614	ppt
310.000	72.800	mS/m	-1.373	ppt
320.000	75.400	mS/m	-1.036	ppt

---> Line : 380
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 320 Final station : 20 Increment :-10

Station	Conductivity		In-phase	
320.000	75.800	mS/m	-0.891	ppt
310.000	75.400	mS/m	-1.192	ppt
300.000	75.600	mS/m	-2.071	ppt
290.000	69.000	mS/m	0.638	ppt
280.000	66.200	mS/m	1.204	ppt
270.000	74.600	mS/m	-2.252	ppt
260.000	71.200	mS/m	-1.746	ppt
250.000	68.800	mS/m	-1.891	ppt
240.000	67.600	mS/m	-2.180	ppt
230.000	62.000	mS/m	-1.662	ppt
220.000	61.200	mS/m	-2.047	ppt
210.000	58.600	mS/m	-2.204	ppt
200.000	55.400	mS/m	-2.107	ppt
190.000	57.000	mS/m	-2.143	ppt
180.000	59.200	mS/m	-2.336	ppt
170.000	61.400	mS/m	-2.240	ppt
160.000	65.800	mS/m	-2.469	ppt
150.000	75.400	mS/m	-2.938	ppt
140.000	77.800	mS/m	-3.275	ppt
130.000	87.400	mS/m	-3.312	ppt
120.000	84.800	mS/m	-2.649	ppt
110.000	92.800	mS/m	-2.974	ppt
100.000	83.600	mS/m	-1.830	ppt
90.000	90.200	mS/m	-2.709	ppt
80.000	82.600	mS/m	-1.710	ppt
70.000	78.800	mS/m	-2.276	ppt
60.000	72.400	mS/m	-3.023	ppt
50.000	63.400	mS/m	-1.830	ppt
40.000	53.600	mS/m	-1.313	ppt
30.000	52.400	mS/m	-2.649	ppt
20.000	51.800	mS/m	-2.155	ppt

---> Line : 390
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 20 Final station : 340 Increment : 10

Station	Conductivity		In-phase	
20.000	49.200	mS/m	-2.180	ppt
30.000	57.600	mS/m	-2.589	ppt
40.000	70.400	mS/m	-1.999	ppt
50.000	77.200	mS/m	2.143	ppt
60.000	93.600	mS/m	-4.853	ppt
70.000	111.000	mS/m	-0.915	ppt
80.000	93.600	mS/m	0.867	ppt
90.000	126.200	mS/m	-8.008	ppt
100.000	123.400	mS/m	-2.974	ppt
110.000	139.200	mS/m	-4.636	ppt
120.000	130.000	mS/m	-5.730	ppt

140.000	113.800	mS/m	-7.020	ppt
150.000	94.000	mS/m	-5.166	ppt
160.000	72.800	mS/m	-6.250	ppt
170.000	68.200	mS/m	-2.794	ppt
180.000	64.800	mS/m	-2.998	ppt
190.000	58.000	mS/m	-2.252	ppt
200.000	54.000	mS/m	-2.095	ppt
210.000	57.600	mS/m	-2.288	ppt
220.000	55.800	mS/m	-1.915	ppt
230.000	55.000	mS/m	-1.891	ppt
240.000	58.600	mS/m	-2.408	ppt
250.000	59.800	mS/m	-2.011	ppt
260.000	62.000	mS/m	-1.722	ppt
270.000	64.400	mS/m	-2.252	ppt
280.000	66.200	mS/m	-0.313	ppt
290.000	62.800	mS/m	1.951	ppt
300.000	74.800	mS/m	-2.758	ppt
310.000	77.600	mS/m	-1.048	ppt
320.000	80.400	mS/m	-0.434	ppt
330.000	86.800	mS/m	0.855	ppt
340.000	60.000	mS/m	18.147	ppt

---> Line : 395
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 340 Final station : 20 Increment :-10

Station	Conductivity		In-phase	
340.000	87.000	mS/m	12.307	ppt
330.000	86.800	mS/m	0.662	ppt
320.000	81.600	mS/m	-0.434	ppt
310.000	75.800	mS/m	-0.987	ppt
300.000	75.200	mS/m	-2.794	ppt
290.000	62.400	mS/m	2.011	ppt
280.000	66.800	mS/m	-0.951	ppt
270.000	64.000	mS/m	-2.577	ppt
260.000	59.800	mS/m	-1.866	ppt
250.000	59.800	mS/m	-1.975	ppt
240.000	59.200	mS/m	-2.914	ppt
230.000	56.000	mS/m	-1.927	ppt
220.000	54.400	mS/m	-2.276	ppt
210.000	58.200	mS/m	-2.408	ppt
200.000	56.000	mS/m	-2.023	ppt
190.000	57.400	mS/m	-2.481	ppt
180.000	54.400	mS/m	0.626	ppt
170.000	65.800	mS/m	-2.553	ppt
160.000	63.600	mS/m	-4.817	ppt
150.000	60.600	mS/m	-2.035	ppt
140.000	83.800	mS/m	-2.986	ppt
130.000	112.000	mS/m	-3.552	ppt
120.000	61.000	mS/m	-1.770	ppt
110.000	77.800	mS/m	-2.746	ppt
100.000	65.600	mS/m	-1.276	ppt
90.000	69.600	mS/m	-4.359	ppt
80.000	67.000	mS/m	4.576	ppt
70.000	53.800	mS/m	0.145	ppt
60.000	55.600	mS/m	-5.106	ppt
50.000	54.200	mS/m	-0.735	ppt
40.000	46.600	mS/m	-2.252	ppt
30.000	48.600	mS/m	-2.577	ppt
20.000	52.200	mS/m	-2.011	ppt

---> Line : 400
Mode V Component B Contains 1 segments.
Segment : 1

Station	Conductivity		In-phase	
200.000	59.200	mS/m	-2.047	ppt
210.000	59.200	mS/m	-2.565	ppt
220.000	58.000	mS/m	-2.047	ppt
230.000	58.200	mS/m	-1.060	ppt
240.000	58.800	mS/m	-2.336	ppt
250.000	59.400	mS/m	-2.143	ppt
260.000	59.400	mS/m	-1.879	ppt
270.000	61.000	mS/m	-2.517	ppt
280.000	61.000	mS/m	-0.373	ppt
290.000	66.400	mS/m	-0.373	ppt
300.000	68.200	mS/m	-2.131	ppt
310.000	73.400	mS/m	-1.168	ppt
320.000	75.600	mS/m	-0.482	ppt
330.000	89.800	mS/m	0.771	ppt

---> Line : 410
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	92.200	mS/m	0.566	ppt
320.000	76.800	mS/m	-0.193	ppt
310.000	68.200	mS/m	-1.156	ppt
300.000	67.800	mS/m	-2.529	ppt
290.000	65.800	mS/m	0.373	ppt
280.000	61.600	mS/m	-0.566	ppt
270.000	60.400	mS/m	-2.782	ppt
260.000	59.200	mS/m	-1.903	ppt
250.000	58.600	mS/m	-2.059	ppt
240.000	60.400	mS/m	-3.059	ppt
230.000	61.200	mS/m	-1.553	ppt
220.000	57.200	mS/m	-1.180	ppt
210.000	63.400	mS/m	-2.998	ppt
200.000	64.000	mS/m	-2.131	ppt

---> Line : 420
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
200.000	70.200	mS/m	-2.697	ppt
210.000	66.800	mS/m	-3.817	ppt
220.000	62.200	mS/m	-2.372	ppt
230.000	64.400	mS/m	-1.036	ppt
240.000	63.800	mS/m	-3.047	ppt
250.000	59.200	mS/m	-2.023	ppt
260.000	58.400	mS/m	-1.891	ppt
270.000	61.400	mS/m	-2.661	ppt
280.000	58.000	mS/m	-1.481	ppt
290.000	62.000	mS/m	-0.506	ppt
300.000	69.600	mS/m	-2.517	ppt
310.000	71.600	mS/m	-1.036	ppt
320.000	73.400	mS/m	-0.349	ppt
330.000	88.800	mS/m	1.096	ppt

---> Line : 430
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	91.000	mS/m	0.891	ppt
320.000	75.000	mS/m	-0.289	ppt
310.000	73.000	mS/m	-0.987	ppt
300.000	67.000	mS/m	-2.577	ppt

270.000	64.400	mS/m	-2.902	ppt
260.000	62.400	mS/m	-1.626	ppt
250.000	61.600	mS/m	-1.602	ppt
240.000	65.400	mS/m	-4.660	ppt
230.000	67.600	mS/m	2.408	ppt
220.000	63.600	mS/m	-1.674	ppt
210.000	68.600	mS/m	-3.781	ppt
200.000	73.200	mS/m	-1.903	ppt

---> Line : 440
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
200.000	86.000	mS/m	-1.529	ppt
210.000	72.400	mS/m	-3.203	ppt
220.000	70.600	mS/m	-3.263	ppt
230.000	65.200	mS/m	2.107	ppt
240.000	66.200	mS/m	-3.781	ppt
250.000	65.400	mS/m	-1.674	ppt
260.000	64.800	mS/m	-1.276	ppt
270.000	69.800	mS/m	-2.505	ppt
280.000	64.200	mS/m	-1.445	ppt
290.000	66.000	mS/m	-0.409	ppt
300.000	76.600	mS/m	-1.903	ppt
310.000	77.000	mS/m	-0.470	ppt
320.000	75.200	mS/m	-0.012	ppt
330.000	84.600	mS/m	0.602	ppt

---> Line : 450
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	91.000	mS/m	0.927	ppt
320.000	75.000	mS/m	0.205	ppt
310.000	81.400	mS/m	0.048	ppt
300.000	84.000	mS/m	-1.734	ppt
290.000	72.200	mS/m	-0.373	ppt
280.000	62.000	mS/m	1.060	ppt
270.000	73.600	mS/m	-2.938	ppt
260.000	69.200	mS/m	-1.036	ppt
250.000	66.800	mS/m	-1.228	ppt
240.000	66.400	mS/m	-5.563	ppt
230.000	55.600	mS/m	-0.446	ppt
220.000	49.400	mS/m	-1.385	ppt
210.000	73.000	mS/m	-4.805	ppt
200.000	81.000	mS/m	-1.710	ppt

---> Line : 460
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
200.000	82.800	mS/m	-1.674	ppt
210.000	75.600	mS/m	-2.625	ppt
220.000	71.200	mS/m	-5.973	ppt
230.000	58.000	mS/m	0.325	ppt
240.000	67.200	mS/m	-6.756	ppt
250.000	67.000	mS/m	-1.264	ppt
260.000	72.000	mS/m	-0.650	ppt
270.000	83.000	mS/m	-1.602	ppt
280.000	78.200	mS/m	0.373	ppt
290.000	66.400	mS/m	2.312	ppt

320.000	78.800	mS/m	0.060	ppt
330.000	84.600	mS/m	1.108	ppt

---> Line : 470
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	88.400	mS/m	1.565	ppt
320.000	80.000	mS/m	0.506	ppt
310.000	86.800	mS/m	0.530	ppt
300.000	93.400	mS/m	-0.747	ppt
290.000	76.800	mS/m	0.710	ppt
280.000	67.200	mS/m	1.409	ppt
270.000	88.400	mS/m	-1.879	ppt
260.000	75.800	mS/m	-0.470	ppt
250.000	69.200	mS/m	-0.915	ppt
240.000	64.000	mS/m	-10.886	ppt
230.000	58.200	mS/m	2.541	ppt
220.000	59.800	mS/m	-5.009	ppt
210.000	74.400	mS/m	-3.191	ppt
200.000	79.800	mS/m	-1.770	ppt

---> Line : 480
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
200.000	88.000	mS/m	-1.517	ppt
210.000	75.600	mS/m	-3.083	ppt
220.000	75.800	mS/m	-3.793	ppt
230.000	61.800	mS/m	2.071	ppt
240.000	67.000	mS/m	-0.987	ppt
250.000	71.800	mS/m	-2.493	ppt
260.000	74.000	mS/m	-0.518	ppt
270.000	87.600	mS/m	-2.348	ppt
280.000	70.400	mS/m	0.446	ppt
290.000	68.400	mS/m	1.674	ppt
300.000	98.800	mS/m	-0.879	ppt
310.000	85.200	mS/m	-0.193	ppt
320.000	80.400	mS/m	0.482	ppt
330.000	82.800	mS/m	1.373	ppt

---> Line : 490
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	83.400	mS/m	1.276	ppt
320.000	77.000	mS/m	0.265	ppt
310.000	85.000	mS/m	0.253	ppt
300.000	97.000	mS/m	-0.710	ppt
290.000	90.600	mS/m	2.408	ppt
280.000	59.600	mS/m	3.576	ppt
270.000	85.200	mS/m	-2.432	ppt
260.000	77.600	mS/m	-0.626	ppt
250.000	73.200	mS/m	-1.240	ppt
240.000	73.800	mS/m	-2.264	ppt
230.000	69.600	mS/m	-2.469	ppt
220.000	70.800	mS/m	-1.036	ppt
210.000	77.400	mS/m	-3.552	ppt
200.000	83.400	mS/m	-1.639	ppt

---> Line : 500

Segment : 1
Initial station : 200 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
200.000	89.200	mS/m	-1.517	ppt
210.000	82.800	mS/m	-2.457	ppt
220.000	83.400	mS/m	-2.432	ppt
230.000	66.000	mS/m	2.240	ppt
240.000	77.400	mS/m	-2.890	ppt
250.000	74.400	mS/m	-1.650	ppt
260.000	72.600	mS/m	-0.903	ppt
270.000	80.800	mS/m	-1.782	ppt
280.000	78.000	mS/m	1.866	ppt
290.000	73.400	mS/m	3.841	ppt
300.000	86.400	mS/m	-2.035	ppt
310.000	76.000	mS/m	-0.747	ppt
320.000	75.200	mS/m	-0.325	ppt
330.000	77.000	mS/m	0.903	ppt

---> Line : 510
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	75.200	mS/m	0.373	ppt
320.000	72.400	mS/m	-0.409	ppt
310.000	71.600	mS/m	-0.915	ppt
300.000	74.800	mS/m	-2.143	ppt
290.000	72.200	mS/m	0.205	ppt
280.000	67.800	mS/m	1.313	ppt
270.000	69.200	mS/m	-2.059	ppt
260.000	70.200	mS/m	-1.288	ppt
250.000	71.400	mS/m	-1.541	ppt
240.000	81.200	mS/m	-2.432	ppt
230.000	66.200	mS/m	0.723	ppt
220.000	85.400	mS/m	-2.143	ppt
210.000	85.000	mS/m	-2.998	ppt
200.000	88.600	mS/m	-1.445	ppt

---> Line : 520
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 400 Increment : 10

Station	Conductivity		In-phase	
200.000	90.000	mS/m	-1.457	ppt
210.000	81.200	mS/m	-3.083	ppt
220.000	77.600	mS/m	-2.806	ppt
230.000	55.000	mS/m	-0.843	ppt
240.000	68.000	mS/m	-2.420	ppt
250.000	69.400	mS/m	-2.240	ppt
260.000	64.200	mS/m	-1.577	ppt
270.000	62.400	mS/m	-2.264	ppt
280.000	62.000	mS/m	-0.458	ppt
290.000	62.200	mS/m	-0.241	ppt
300.000	63.400	mS/m	-2.649	ppt
310.000	63.000	mS/m	-1.361	ppt
320.000	65.800	mS/m	-1.084	ppt
330.000	72.600	mS/m	-1.650	ppt
340.000	56.000	mS/m	-2.505	ppt
350.000	78.400	mS/m	9.128	ppt
360.000	82.800	mS/m	17.015	ppt
370.000	88.000	mS/m	25.300	ppt
380.000	94.600	mS/m	30.249	ppt
390.000	88.800	mS/m	33.717	ppt
400.000	100.400	mS/m	33.224	ppt

Mode V Component B Contains 4 segments.
Segment : 1
Initial station : 400 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
400.000	69.400	mS/m	3.829	ppt
390.000	70.200	mS/m	4.010	ppt
380.000	71.600	mS/m	3.974	ppt
370.000	70.400	mS/m	5.539	ppt
360.000	70.600	mS/m	7.105	ppt
350.000	72.000	mS/m	5.852	ppt
340.000	72.600	mS/m	2.095	ppt
330.000	70.800	mS/m	-0.229	ppt
320.000	62.000	mS/m	-1.276	ppt
310.000	60.600	mS/m	-1.373	ppt
300.000	63.400	mS/m	-2.481	ppt
290.000	58.800	mS/m	-0.205	ppt
280.000	58.200	mS/m	-1.108	ppt
270.000	59.800	mS/m	-2.372	ppt
260.000	61.400	mS/m	-1.999	ppt
250.000	63.400	mS/m	-2.228	ppt
240.000	65.200	mS/m	-2.180	ppt
230.000	59.200	mS/m	-1.939	ppt
220.000	62.800	mS/m	-2.445	ppt
210.000	71.200	mS/m	-3.131	ppt
200.000	81.000	mS/m	-1.927	ppt

---> Line : 540
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 400 Increment : 10

Station	Conductivity		In-phase	
200.000	73.200	mS/m	-2.216	ppt
210.000	63.200	mS/m	-2.998	ppt
220.000	57.800	mS/m	-3.155	ppt
230.000	56.600	mS/m	-2.938	ppt
240.000	57.800	mS/m	-2.914	ppt
250.000	59.200	mS/m	-2.721	ppt
260.000	56.600	mS/m	-2.252	ppt
270.000	58.200	mS/m	-3.203	ppt
280.000	58.000	mS/m	-1.517	ppt
290.000	56.400	mS/m	-0.361	ppt
300.000	60.600	mS/m	-2.601	ppt
310.000	61.200	mS/m	-2.216	ppt
320.000	64.800	mS/m	-0.108	ppt
330.000	68.200	mS/m	1.830	ppt
340.000	84.200	mS/m	26.396	ppt
350.000	94.800	mS/m	45.386	ppt
360.000	90.000	mS/m	45.386	ppt
370.000	78.400	mS/m	35.548	ppt
380.000	65.200	mS/m	1.012	ppt
390.000	61.600	mS/m	-0.120	ppt
400.000	60.800	mS/m	-0.193	ppt

---> Line : 550
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 400 Final station : 380 Increment :-10

Station	Conductivity		In-phase	
400.000	58.000	mS/m	-1.180	ppt
390.000	60.400	mS/m	-0.843	ppt
380.000	65.800	mS/m	2.541	ppt

Segment : 2
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	69.400	mS/m	4.877	ppt

300.000	56.800	mS/m	-3.275	ppt
290.000	54.600	mS/m	-0.686	ppt
280.000	55.000	mS/m	-0.253	ppt
270.000	55.200	mS/m	-3.865	ppt
260.000	55.400	mS/m	-2.336	ppt
250.000	55.600	mS/m	-2.577	ppt
240.000	56.200	mS/m	-3.047	ppt
230.000	56.200	mS/m	-3.107	ppt
220.000	54.600	mS/m	-3.191	ppt
210.000	57.800	mS/m	-3.324	ppt
200.000	65.000	mS/m	-2.408	ppt

---> Line : 560
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 400 Increment : 10

Station	Conductivity		In-phase	
200.000	61.000	mS/m	-2.649	ppt
210.000	54.200	mS/m	-3.095	ppt
220.000	50.800	mS/m	-2.613	ppt
230.000	52.800	mS/m	-1.686	ppt
240.000	54.000	mS/m	-2.758	ppt
250.000	51.400	mS/m	-2.854	ppt
260.000	51.800	mS/m	-2.758	ppt
270.000	53.200	mS/m	-3.227	ppt
280.000	56.600	mS/m	-0.446	ppt
290.000	57.200	mS/m	0.181	ppt
300.000	60.800	mS/m	-4.407	ppt
310.000	-0.600	mS/m	-16.546	ppt
320.000	33.400	mS/m	-21.025	ppt
330.000	71.200	mS/m	-0.867	ppt
340.000	68.400	mS/m	0.349	ppt
350.000	78.400	mS/m	25.806	ppt
360.000	77.600	mS/m	31.646	ppt
370.000	72.800	mS/m	9.609	ppt
380.000	65.600	mS/m	-0.060	ppt
390.000	61.200	mS/m	-1.168	ppt
400.000	61.600	mS/m	-1.421	ppt

---> Line : 570
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 400 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
400.000	64.600	mS/m	-0.915	ppt
390.000	67.000	mS/m	-0.831	ppt
380.000	70.000	mS/m	-0.518	ppt
370.000	72.600	mS/m	0.024	ppt
360.000	75.400	mS/m	0.409	ppt
350.000	72.200	mS/m	0.277	ppt
340.000	71.600	mS/m	-0.482	ppt
330.000	69.400	mS/m	-1.264	ppt
320.000	82.200	mS/m	-1.963	ppt
310.000	3.600	mS/m	-4.383	ppt
300.000	63.000	mS/m	-3.841	ppt
290.000	59.800	mS/m	-0.891	ppt
280.000	56.800	mS/m	0.253	ppt
270.000	52.000	mS/m	-3.625	ppt
260.000	52.800	mS/m	-2.493	ppt
250.000	49.600	mS/m	-2.613	ppt
240.000	52.000	mS/m	-2.264	ppt
230.000	47.600	mS/m	-5.323	ppt
220.000	48.600	mS/m	-2.396	ppt
210.000	49.800	mS/m	-3.143	ppt

---> Line : 580
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 400 Increment : 10

Station	Conductivity		In-phase	
200.000	49.800	mS/m	-2.673	ppt
210.000	46.000	mS/m	-2.938	ppt
220.000	46.000	mS/m	-1.662	ppt
230.000	42.600	mS/m	-5.359	ppt
240.000	49.200	mS/m	-2.445	ppt
250.000	47.600	mS/m	-2.685	ppt
260.000	47.600	mS/m	-2.673	ppt
270.000	50.600	mS/m	-3.432	ppt
280.000	51.800	mS/m	-0.614	ppt
290.000	56.000	mS/m	-0.602	ppt
300.000	64.800	mS/m	-3.010	ppt
310.000	22.800	mS/m	-1.240	ppt
320.000	52.600	mS/m	-7.803	ppt
330.000	72.200	mS/m	-1.337	ppt
340.000	71.000	mS/m	-1.349	ppt
350.000	68.400	mS/m	-1.036	ppt
360.000	76.000	mS/m	0.650	ppt
370.000	85.200	mS/m	2.974	ppt
380.000	85.400	mS/m	4.058	ppt
390.000	83.200	mS/m	4.251	ppt
400.000	75.800	mS/m	2.553	ppt

---> Line : 590
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	65.800	mS/m	-1.590	ppt
320.000	61.600	mS/m	-4.720	ppt
310.000	34.000	mS/m	-2.264	ppt
300.000	60.600	mS/m	-4.937	ppt
290.000	52.600	mS/m	-0.686	ppt
280.000	45.200	mS/m	-1.132	ppt
270.000	48.600	mS/m	-3.119	ppt
260.000	47.000	mS/m	-2.697	ppt
250.000	46.200	mS/m	-2.794	ppt
240.000	46.000	mS/m	-2.830	ppt
230.000	41.800	mS/m	-2.830	ppt
220.000	42.200	mS/m	-2.854	ppt
210.000	42.800	mS/m	-2.950	ppt
200.000	46.000	mS/m	-2.565	ppt

---> Line : 600
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 200 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
200.000	44.600	mS/m	-2.312	ppt
210.000	40.400	mS/m	-2.902	ppt
220.000	39.600	mS/m	-3.035	ppt
230.000	38.400	mS/m	-3.035	ppt
240.000	42.000	mS/m	-2.974	ppt
250.000	44.400	mS/m	-2.878	ppt
260.000	43.600	mS/m	-2.866	ppt
270.000	46.800	mS/m	-2.866	ppt
280.000	48.600	mS/m	-2.505	ppt
290.000	47.800	mS/m	-2.276	ppt
300.000	53.800	mS/m	-3.095	ppt
310.000	50.000	mS/m	-1.313	ppt
320.000	58.000	mS/m	-3.574	ppt

---> Line : 610
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 330 Final station : 200 Increment :-10

Station	Conductivity		In-phase	
330.000	65.400	mS/m	-1.866	ppt
320.000	64.200	mS/m	-2.240	ppt
310.000	55.400	mS/m	-2.119	ppt
300.000	53.200	mS/m	-3.348	ppt
290.000	51.800	mS/m	-2.469	ppt
280.000	48.000	mS/m	-2.806	ppt
270.000	47.600	mS/m	-2.890	ppt
260.000	43.800	mS/m	-3.010	ppt
250.000	42.600	mS/m	-2.974	ppt
240.000	42.000	mS/m	-3.010	ppt
230.000	39.200	mS/m	-2.974	ppt
220.000	39.000	mS/m	-2.998	ppt
210.000	39.800	mS/m	-2.926	ppt
200.000	41.000	mS/m	-2.601	ppt

---> Line : 620
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 20 Final station : 330 Increment : 10

Station	Conductivity		In-phase	
20.000	56.800	mS/m	-0.385	ppt
30.000	59.000	mS/m	-0.638	ppt
40.000	58.000	mS/m	-0.735	ppt
50.000	58.000	mS/m	-1.240	ppt
60.000	59.000	mS/m	-1.180	ppt
70.000	58.400	mS/m	-1.060	ppt
80.000	57.000	mS/m	-0.807	ppt
90.000	55.200	mS/m	-1.180	ppt
100.000	53.200	mS/m	-1.686	ppt
110.000	52.000	mS/m	-1.734	ppt
120.000	53.600	mS/m	-1.553	ppt
130.000	59.000	mS/m	-1.433	ppt
140.000	56.000	mS/m	-1.276	ppt
150.000	55.400	mS/m	-1.457	ppt
160.000	48.800	mS/m	-1.782	ppt
170.000	45.800	mS/m	-1.830	ppt
180.000	45.200	mS/m	-1.758	ppt
190.000	41.600	mS/m	-2.240	ppt
200.000	38.600	mS/m	-2.842	ppt
210.000	40.000	mS/m	-2.878	ppt
220.000	41.200	mS/m	-3.143	ppt
230.000	40.000	mS/m	-2.914	ppt
240.000	41.400	mS/m	-3.023	ppt
250.000	42.800	mS/m	-2.962	ppt
260.000	42.000	mS/m	-2.854	ppt
270.000	44.400	mS/m	-2.866	ppt
280.000	46.800	mS/m	-2.709	ppt
290.000	50.800	mS/m	-2.734	ppt
300.000	52.600	mS/m	-2.493	ppt
310.000	58.400	mS/m	-1.758	ppt
320.000	60.600	mS/m	-1.349	ppt
330.000	70.200	mS/m	-1.445	ppt

---> Line : 630
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 20 Increment :-10

Station	Conductivity		In-phase	

280.000	47.000	mS/m	-2.794	ppt
270.000	45.800	mS/m	-2.758	ppt
260.000	43.200	mS/m	-2.709	ppt
250.000	41.400	mS/m	-2.782	ppt
240.000	39.600	mS/m	-2.625	ppt
230.000	39.000	mS/m	-2.734	ppt
220.000	41.600	mS/m	-2.974	ppt
210.000	41.800	mS/m	-2.758	ppt
200.000	42.800	mS/m	-2.517	ppt
190.000	45.000	mS/m	-2.384	ppt
180.000	46.200	mS/m	-2.264	ppt
170.000	47.000	mS/m	-2.288	ppt
160.000	49.400	mS/m	-2.083	ppt
150.000	52.000	mS/m	-1.854	ppt
140.000	54.200	mS/m	-1.602	ppt
130.000	57.800	mS/m	-1.842	ppt
120.000	54.800	mS/m	-1.529	ppt
110.000	54.200	mS/m	-1.301	ppt
100.000	56.600	mS/m	-1.469	ppt
90.000	56.800	mS/m	-1.168	ppt
80.000	56.000	mS/m	-1.156	ppt
70.000	59.400	mS/m	-0.698	ppt
60.000	60.800	mS/m	-0.747	ppt
50.000	60.400	mS/m	-0.674	ppt
40.000	61.400	mS/m	-0.494	ppt
30.000	62.400	mS/m	0.578	ppt
20.000	62.800	mS/m	0.674	ppt

---> Line : 640

Mode V Component B Contains 1 segments.

Segment : 1

Initial station : 20 Final station : 300 Increment : 10

Station	Conductivity		In-phase	
20.000	85.000	mS/m	3.480	ppt
30.000	82.000	mS/m	2.782	ppt
40.000	83.400	mS/m	2.697	ppt
50.000	84.200	mS/m	2.396	ppt
60.000	82.600	mS/m	2.083	ppt
70.000	81.600	mS/m	1.746	ppt
80.000	81.400	mS/m	1.614	ppt
90.000	79.200	mS/m	1.313	ppt
100.000	79.200	mS/m	1.325	ppt
110.000	68.000	mS/m	-1.999	ppt
120.000	71.200	mS/m	0.891	ppt
130.000	73.600	mS/m	0.638	ppt
140.000	70.400	mS/m	-1.156	ppt
150.000	71.400	mS/m	-0.494	ppt
160.000	71.200	mS/m	0.337	ppt
170.000	66.400	mS/m	-0.614	ppt
180.000	64.400	mS/m	-0.999	ppt
190.000	63.600	mS/m	-0.819	ppt
200.000	57.800	mS/m	-1.048	ppt
210.000	56.600	mS/m	-0.927	ppt
220.000	53.600	mS/m	-0.638	ppt
230.000	52.600	mS/m	-0.434	ppt
240.000	52.000	mS/m	-0.999	ppt
250.000	52.600	mS/m	-1.144	ppt
260.000	39.800	mS/m	-2.155	ppt
270.000	43.400	mS/m	-2.830	ppt
280.000	46.000	mS/m	-2.806	ppt
290.000	47.000	mS/m	-3.071	ppt
300.000	56.200	mS/m	-0.518	ppt

---> Line : 645

Initial station : 20 Final station : 300 Increment : 10

Station	Conductivity		In-phase	
20.000	116.200	mS/m	7.562	ppt
30.000	109.000	mS/m	6.479	ppt
40.000	115.800	mS/m	6.707	ppt
50.000	111.800	mS/m	5.925	ppt
60.000	112.600	mS/m	5.539	ppt
70.000	106.000	mS/m	4.696	ppt
80.000	116.400	mS/m	5.479	ppt
90.000	110.200	mS/m	4.937	ppt
100.000	116.400	mS/m	5.491	ppt
110.000	111.800	mS/m	5.070	ppt
120.000	109.200	mS/m	5.106	ppt
130.000	113.200	mS/m	6.214	ppt
140.000	108.000	mS/m	5.599	ppt
150.000	110.200	mS/m	6.250	ppt
160.000	98.400	mS/m	4.299	ppt
170.000	90.400	mS/m	2.408	ppt
180.000	97.400	mS/m	2.541	ppt
190.000	84.800	mS/m	1.577	ppt
200.000	83.200	mS/m	2.119	ppt
210.000	77.800	mS/m	3.408	ppt
220.000	78.000	mS/m	5.467	ppt
230.000	71.400	mS/m	5.238	ppt
240.000	69.400	mS/m	4.251	ppt
250.000	68.000	mS/m	2.276	ppt
260.000	60.200	mS/m	1.577	ppt
270.000	44.000	mS/m	-4.371	ppt
280.000	43.600	mS/m	-6.972	ppt
290.000	55.800	mS/m	0.518	ppt
300.000	64.600	mS/m	1.590	ppt

NORCAL

OU-5 Landfill Disposal Unit #3

---> Line. : 0
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 160 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
160.000	51.000	mS/m	3.179	ppt
170.000	48.000	mS/m	0.193	ppt
180.000	45.200	mS/m	-0.879	ppt
190.000	43.800	mS/m	-0.879	ppt
200.000	45.400	mS/m	-0.662	ppt
210.000	47.200	mS/m	-0.470	ppt
220.000	47.200	mS/m	-0.518	ppt
230.000	47.800	mS/m	-0.759	ppt
240.000	47.000	mS/m	-1.168	ppt
250.000	47.400	mS/m	-1.662	ppt
260.000	46.400	mS/m	-0.819	ppt

---> Line : 10
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 250 Final station : 160 Increment :-10

Station	Conductivity		In-phase	
250.000	48.400	mS/m	-1.397	ppt
240.000	56.200	mS/m	-1.313	ppt
230.000	54.200	mS/m	-1.469	ppt
220.000	53.600	mS/m	-0.771	ppt
210.000	52.200	mS/m	1.818	ppt
200.000	43.200	mS/m	-0.927	ppt
190.000	40.800	mS/m	-1.638	ppt
180.000	42.000	mS/m	-1.264	ppt
170.000	45.600	mS/m	1.144	ppt
160.000	60.800	mS/m	32.188	ppt

---> Line : 20
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 160 Final station : 190 Increment : 10

Station	Conductivity		In-phase	
160.000	95.800	mS/m	45.314	ppt
170.000	54.000	mS/m	8.718	ppt
180.000	46.600	mS/m	0.385	ppt
190.000	47.400	mS/m	3.637	ppt

Segment : 2
Initial station : 230 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
230.000	60.400	mS/m	2.059	ppt
240.000	56.200	mS/m	-0.843	ppt
250.000	63.800	mS/m	2.818	ppt
260.000	89.800	mS/m	40.714	ppt

---> Line : 30
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 260 Final station : 230 Increment :-10

Station	Conductivity		In-phase	
260.000	71.400	mS/m	45.326	ppt
250.000	54.000	mS/m	3.336	ppt

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   230.000     72.000  mS/m     15.209  ppt
Segment : 2
Initial station : 190   Final station : 160   Increment :-10
   Station     Conductivity      In-phase
   190.000     55.000  mS/m     14.125  ppt
   180.000     51.800  mS/m      1.361  ppt
   170.000     56.200  mS/m      4.901  ppt
   160.000    104.800  mS/m     45.326  ppt

  ---->  Line : 40
  Mode V   Component B   Contains 2 segments.
Segment : 1
Initial station : 160   Final station : 190   Increment : 10
   Station     Conductivity      In-phase
   160.000     92.600  mS/m     45.326  ppt
   170.000     59.800  mS/m     16.257  ppt
   180.000     50.000  mS/m      1.349  ppt
   190.000     50.600  mS/m      5.720  ppt
Segment : 2
Initial station : 230   Final station : 260   Increment : 10
   Station     Conductivity      In-phase
   230.000     97.200  mS/m     30.948  ppt
   240.000     49.200  mS/m      0.325  ppt
   250.000     47.600  mS/m      1.349  ppt
   260.000     57.400  mS/m     22.639  ppt

  ---->  Line : 50
  Mode V   Component B   Contains 2 segments.
Segment : 1
Initial station : 260   Final station : 230   Increment :-10
   Station     Conductivity      In-phase
   260.000     66.000  mS/m     45.350  ppt
   250.000     42.800  mS/m      0.747  ppt
   240.000     47.600  mS/m      0.108  ppt
   230.000     62.800  mS/m      9.573  ppt
Segment : 2
Initial station : 190   Final station : 160   Increment :-10
   Station     Conductivity      In-phase
   190.000     49.200  mS/m      9.670  ppt
   180.000     48.200  mS/m      1.228  ppt
   170.000     51.600  mS/m      4.070  ppt
   160.000     89.000  mS/m     45.338  ppt

  ---->  Line : 60
  Mode V   Component B   Contains 2 segments.
Segment : 1
Initial station : 160   Final station : 190   Increment : 10
   Station     Conductivity      In-phase
   160.000     71.000  mS/m     45.350  ppt
   170.000     50.400  mS/m      4.937  ppt
   180.000     46.600  mS/m      0.421  ppt
   190.000     46.400  mS/m      3.709  ppt
Segment : 2
Initial station : 230   Final station : 260   Increment : 10
   Station     Conductivity      In-phase
   230.000     62.200  mS/m      6.647  ppt
   240.000     46.600  mS/m     -0.313  ppt
   250.000     44.000  mS/m     -0.843  ppt
   260.000     43.000  mS/m     12.716  ppt

  ---->  Line : 70
  Mode V   Component B   Contains 1 segments.
Segment : 1
Initial station : 260   Final station : 160   Increment :-10
   Station     Conductivity      In-phase
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250.000	41.800	mS/m	-1.577	ppt
240.000	45.200	mS/m	-1.710	ppt
230.000	46.200	mS/m	-1.168	ppt
220.000	51.000	mS/m	0.265	ppt
210.000	54.800	mS/m	3.239	ppt
200.000	51.200	mS/m	1.481	ppt
190.000	46.600	mS/m	-0.723	ppt
180.000	45.600	mS/m	-0.831	ppt
170.000	48.000	mS/m	1.084	ppt
160.000	66.000	mS/m	31.959	ppt

---> Line : 80
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
100.000	46.400	mS/m	2.384	ppt
110.000	57.600	mS/m	10.898	ppt
120.000	68.400	mS/m	19.159	ppt
130.000	73.000	mS/m	17.232	ppt
140.000	70.200	mS/m	18.581	ppt
150.000	60.400	mS/m	14.908	ppt
160.000	51.600	mS/m	3.552	ppt
170.000	48.800	mS/m	-0.072	ppt
180.000	46.800	mS/m	-1.168	ppt
190.000	46.000	mS/m	-1.349	ppt
200.000	46.600	mS/m	-1.072	ppt
210.000	48.600	mS/m	-0.783	ppt
220.000	48.000	mS/m	-1.024	ppt
230.000	48.000	mS/m	-1.457	ppt
240.000	49.400	mS/m	-1.830	ppt
250.000	48.000	mS/m	-2.047	ppt
260.000	41.000	mS/m	-1.903	ppt

---> Line : 90
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 260 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
260.000	56.600	mS/m	-2.131	ppt
250.000	58.000	mS/m	-2.059	ppt
240.000	56.800	mS/m	-1.758	ppt
230.000	60.200	mS/m	-1.048	ppt
220.000	58.600	mS/m	0.072	ppt
210.000	55.600	mS/m	2.059	ppt
200.000	53.000	mS/m	0.987	ppt
190.000	49.600	mS/m	-0.819	ppt
180.000	47.800	mS/m	-1.313	ppt
170.000	48.400	mS/m	-1.264	ppt
160.000	51.000	mS/m	-0.578	ppt
150.000	50.800	mS/m	0.590	ppt
140.000	51.800	mS/m	1.553	ppt
130.000	52.400	mS/m	1.385	ppt
120.000	51.000	mS/m	1.228	ppt
110.000	49.800	mS/m	0.337	ppt
100.000	44.000	mS/m	-1.192	ppt

---> Line : 100
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 100 Final station : 190 Increment : 10

Station	Conductivity		In-phase	
100.000	43.200	mS/m	-1.987	ppt
110.000	47.200	mS/m	-1.686	ppt
120.000	47.400	mS/m	-1.325	ppt

140.000	46.800	mS/m	[illegible]	ppt
150.000	49.400	mS/m	-1.192	ppt
160.000	50.600	mS/m	[illegible]	ppt
170.000	50.400	mS/m	-1.469	ppt
180.000	49.400	mS/m	-1.108	ppt
190.000	57.000	mS/m	2.493	ppt

eqment : 2
nitial station : 230 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
230.000	55.200	mS/m	2.107	ppt
240.000	51.400	mS/m	-0.927	ppt
250.000	43.800	mS/m	-2.047	ppt
260.000	40.400	mS/m	-2.372	ppt

---> Line : 110
lode V Component B Contains 2 seqments.
eqment : 1
nitial station : 260 Final station : 230 Increment :-10

Station	Conductivity		In-phase	
260.000	56.200	mS/m	-2.035	ppt
250.000	60.800	mS/m	-1.794	ppt
240.000	65.800	mS/m	-0.482	ppt
230.000	71.800	mS/m	8.020	ppt

eqment : 2
nitial station : 190 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
190.000	74.000	mS/m	20.339	ppt
180.000	54.800	mS/m	-0.253	ppt
170.000	49.800	mS/m	-1.433	ppt
160.000	51.600	mS/m	-1.505	ppt
150.000	49.600	mS/m	-1.276	ppt
140.000	48.600	mS/m	-0.843	ppt
130.000	49.000	mS/m	-1.228	ppt
120.000	48.000	mS/m	-1.602	ppt
110.000	47.000	mS/m	-1.915	ppt
100.000	42.800	mS/m	-2.143	ppt

---> Line : 120
lode V Component B Contains 2 seqments.
ment : 1
nitial station : 100 Final station : 190 Increment : 10

Station	Conductivity		In-phase	
100.000	42.800	mS/m	-2.143	ppt
110.000	47.000	mS/m	-1.879	ppt
120.000	47.600	mS/m	-0.855	ppt
130.000	54.200	mS/m	4.889	ppt
140.000	63.000	mS/m	4.275	ppt
150.000	67.200	mS/m	10.573	ppt
160.000	51.800	mS/m	-1.337	ppt
170.000	51.200	mS/m	-1.421	ppt
180.000	52.600	mS/m	-0.169	ppt
190.000	82.600	mS/m	37.287	ppt

ment : 2
nitial station : 230 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
230.000	113.600	mS/m	45.338	ppt
240.000	62.200	mS/m	-0.482	ppt
250.000	54.800	mS/m	-1.337	ppt
260.000	45.800	mS/m	-1.975	ppt

---> Line : 130
Mode V Component B Contains 3 seqments.
ment : 1
nitial station : 260 Final station : 230 Increment :-10

Station	Conductivity		In-phase	

Station	Conductivity		In-phase	
250.000	50.000	mS/m	-1.674	ppt
240.000	56.000	mS/m	-0.193	ppt
230.000	66.000	mS/m	9.128	ppt

Segment : 2
Initial station : 190 Final station : 160 Increment :-10

Station	Conductivity		In-phase	
190.000	72.600	mS/m	15.570	ppt
180.000	55.800	mS/m	0.217	ppt
170.000	50.800	mS/m	-1.301	ppt
160.000	51.400	mS/m	-0.373	ppt

Segment : 3
Initial station : 120 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
120.000	52.000	mS/m	2.083	ppt
110.000	44.200	mS/m	-1.505	ppt
100.000	42.800	mS/m	-2.204	ppt

---> Line : 140
Mode V Component B Contains 3 segments.
Segment : 1
Initial station : 100 Final station : 120 Increment : 10

Station	Conductivity		In-phase	
100.000	44.400	mS/m	-1.975	ppt
110.000	47.600	mS/m	-1.650	ppt
120.000	52.600	mS/m	2.408	ppt

Segment : 2
Initial station : 160 Final station : 190 Increment : 10

Station	Conductivity		In-phase	
160.000	51.600	mS/m	-0.421	ppt
170.000	51.000	mS/m	-1.228	ppt
180.000	52.600	mS/m	-0.313	ppt
190.000	60.600	mS/m	3.721	ppt

Segment : 3
Initial station : 230 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
230.000	85.200	mS/m	41.954	ppt
240.000	59.000	mS/m	-1.385	ppt
250.000	52.200	mS/m	-1.505	ppt
260.000	46.400	mS/m	-1.903	ppt

---> Line : 150
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 260 Final station : 230 Increment :-10

Station	Conductivity		In-phase	
260.000	50.800	mS/m	-2.071	ppt
250.000	52.600	mS/m	-1.987	ppt
240.000	55.800	mS/m	-1.036	ppt
230.000	66.000	mS/m	1.891	ppt

Segment : 2
Initial station : 190 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
190.000	58.200	mS/m	0.325	ppt
180.000	54.800	mS/m	0.217	ppt
170.000	51.000	mS/m	-1.048	ppt
160.000	48.600	mS/m	-0.963	ppt
150.000	53.000	mS/m	3.107	ppt
140.000	63.200	mS/m	11.163	ppt
130.000	56.800	mS/m	6.804	ppt
120.000	47.000	mS/m	-0.157	ppt
110.000	45.400	mS/m	-1.577	ppt
100.000	43.800	mS/m	-1.674	ppt

---> Line : 160
Mode V Component B Contains 1 segments.

Initial station : 100 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
100.000	45.200	mS/m	-1.012	ppt
110.000	45.400	mS/m	-1.349	ppt
120.000	45.000	mS/m	-2.035	ppt
130.000	44.600	mS/m	-1.433	ppt
140.000	45.400	mS/m	-1.120	ppt
150.000	46.400	mS/m	-1.397	ppt
160.000	47.000	mS/m	-1.457	ppt
170.000	48.400	mS/m	-1.156	ppt
180.000	54.000	mS/m	0.036	ppt
190.000	56.000	mS/m	-0.241	ppt
200.000	59.000	mS/m	-0.602	ppt
210.000	60.200	mS/m	0.915	ppt
220.000	66.200	mS/m	-0.843	ppt
230.000	67.000	mS/m	-1.024	ppt
240.000	59.000	mS/m	-0.927	ppt
250.000	55.600	mS/m	-1.216	ppt
260.000	51.000	mS/m	-1.794	ppt

---> Line : 170
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 260 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
260.000	57.000	mS/m	-1.650	ppt
250.000	59.600	mS/m	-1.939	ppt
240.000	61.800	mS/m	-0.506	ppt
230.000	70.800	mS/m	-0.867	ppt
220.000	67.800	mS/m	1.012	ppt
210.000	63.200	mS/m	-4.431	ppt
200.000	62.800	mS/m	-1.337	ppt
190.000	55.600	mS/m	-1.565	ppt
180.000	53.800	mS/m	-1.132	ppt
170.000	49.400	mS/m	-1.373	ppt
160.000	45.000	mS/m	-1.686	ppt
150.000	46.600	mS/m	-1.686	ppt
140.000	45.800	mS/m	-1.686	ppt
130.000	43.200	mS/m	-1.987	ppt
120.000	44.000	mS/m	-2.216	ppt
110.000	45.400	mS/m	-0.590	ppt
100.000	44.000	mS/m	-1.385	ppt

---> Line : 180
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 250 Increment : 10

Station	Conductivity		In-phase	
100.000	47.200	mS/m	-0.831	ppt
110.000	48.000	mS/m	-0.566	ppt
120.000	44.800	mS/m	-1.722	ppt
130.000	42.800	mS/m	-1.903	ppt
140.000	44.200	mS/m	-1.722	ppt
150.000	45.000	mS/m	-1.770	ppt
160.000	45.400	mS/m	-1.674	ppt
170.000	49.200	mS/m	-1.577	ppt
180.000	52.400	mS/m	-1.469	ppt
190.000	55.400	mS/m	-1.445	ppt
200.000	65.200	mS/m	-1.325	ppt
210.000	71.200	mS/m	-1.313	ppt
220.000	74.800	mS/m	-1.264	ppt
230.000	70.400	mS/m	-0.181	ppt
240.000	63.600	mS/m	-1.168	ppt
250.000	58.800	mS/m	-1.866	ppt

Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 260 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
260.000	59.200	mS/m	-1.317	ppt
250.000	61.800	mS/m	-1.782	ppt
240.000	63.800	mS/m	-1.927	ppt
230.000	69.600	mS/m	-0.747	ppt
220.000	72.000	mS/m	-0.566	ppt
210.000	73.600	mS/m	-1.276	ppt
200.000	68.600	mS/m	0.313	ppt
190.000	61.600	mS/m	-0.361	ppt
180.000	55.400	mS/m	-2.288	ppt
170.000	51.400	mS/m	-1.361	ppt
160.000	48.000	mS/m	-1.638	ppt
150.000	45.400	mS/m	-1.746	ppt
140.000	45.000	mS/m	-1.782	ppt
130.000	44.000	mS/m	-1.710	ppt
120.000	44.600	mS/m	-2.794	ppt
110.000	49.000	mS/m	-2.216	ppt
100.000	48.400	mS/m	-0.614	ppt

---> Line : 200
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
100.000	47.200	mS/m	2.794	ppt
110.000	48.400	mS/m	-1.132	ppt
120.000	46.200	mS/m	-2.697	ppt
130.000	45.200	mS/m	-1.915	ppt
140.000	46.600	mS/m	-1.710	ppt
150.000	47.200	mS/m	-1.577	ppt
160.000	49.800	mS/m	-1.529	ppt
170.000	51.800	mS/m	-1.433	ppt
180.000	55.600	mS/m	-1.481	ppt
190.000	61.200	mS/m	-1.397	ppt
200.000	64.800	mS/m	-0.253	ppt
210.000	74.600	mS/m	-1.638	ppt
220.000	70.000	mS/m	0.409	ppt
230.000	70.200	mS/m	-0.241	ppt
240.000	67.600	mS/m	-0.987	ppt
250.000	59.600	mS/m	-1.879	ppt
260.000	59.000	mS/m	-1.325	ppt

---> Line : 210
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 260 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
260.000	57.600	mS/m	-1.288	ppt
250.000	59.800	mS/m	-1.457	ppt
240.000	66.200	mS/m	-2.071	ppt
230.000	70.800	mS/m	-1.517	ppt
220.000	72.000	mS/m	0.181	ppt
210.000	74.000	mS/m	1.036	ppt
200.000	68.600	mS/m	-0.831	ppt
190.000	62.800	mS/m	-0.397	ppt
180.000	53.600	mS/m	-2.890	ppt
170.000	54.000	mS/m	-1.301	ppt
160.000	52.600	mS/m	-1.373	ppt
150.000	50.600	mS/m	-1.397	ppt
140.000	49.600	mS/m	-1.505	ppt
130.000	48.200	mS/m	-1.650	ppt
120.000	48.000	mS/m	-2.384	ppt

100.000	48.600	mS/m	1.349	ppt

---> Line : 220
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
100.000	49.400	mS/m	-0.566	ppt
110.000	54.200	mS/m	-2.047	ppt
120.000	51.000	mS/m	-2.119	ppt
130.000	52.600	mS/m	-1.409	ppt
140.000	53.200	mS/m	-1.108	ppt
150.000	54.000	mS/m	-1.108	ppt
160.000	54.800	mS/m	-0.987	ppt
170.000	56.400	mS/m	-0.915	ppt
180.000	58.800	mS/m	-1.445	ppt
190.000	62.000	mS/m	-0.735	ppt
200.000	69.400	mS/m	-0.349	ppt
210.000	70.000	mS/m	-0.530	ppt
220.000	73.000	mS/m	1.445	ppt
230.000	72.200	mS/m	0.927	ppt
240.000	66.600	mS/m	-1.373	ppt
250.000	63.000	mS/m	-1.096	ppt
260.000	60.800	mS/m	-0.735	ppt

---> Line : 230
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 260 Final station : 100 Increment :-10

Station	Conductivity		In-phase	
260.000	66.400	mS/m	0.241	ppt
250.000	68.600	mS/m	-0.096	ppt
240.000	70.000	mS/m	-0.325	ppt
230.000	72.800	mS/m	0.397	ppt
220.000	78.800	mS/m	2.288	ppt
210.000	79.000	mS/m	0.867	ppt
200.000	68.200	mS/m	-0.891	ppt
190.000	66.600	mS/m	-0.373	ppt
180.000	65.000	mS/m	-0.494	ppt
170.000	63.200	mS/m	-0.072	ppt
160.000	60.000	mS/m	-0.229	ppt
150.000	58.200	mS/m	-0.385	ppt
140.000	58.600	mS/m	-0.470	ppt
130.000	58.600	mS/m	-1.328	ppt
120.000	54.400	mS/m	-0.843	ppt
110.000	57.200	mS/m	-0.397	ppt
100.000	57.200	mS/m	1.291	ppt

---> Line : 240
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 100 Final station : 260 Increment : 10

Station	Conductivity		In-phase	
100.000	72.800	mS/m	4.359	ppt
110.000	73.400	mS/m	1.288	ppt
120.000	76.000	mS/m	1.421	ppt
130.000	76.600	mS/m	1.481	ppt
140.000	76.000	mS/m	1.330	ppt
150.000	77.000	mS/m	2.131	ppt
160.000	80.000	mS/m	2.372	ppt
170.000	79.600	mS/m	2.288	ppt
180.000	80.800	mS/m	1.939	ppt
190.000	83.000	mS/m	1.361	ppt
200.000	85.400	mS/m	3.890	ppt
210.000	90.600	mS/m	3.348	ppt

2[illegible].000	86.800	mS/m	0.819	ppt
240.000	57.600	mS/m	3.17%	ppt
2[illegible].000	98.800	mS/m	2.661	ppt
1[illegible].000	85.400	mS/m	3.095	ppt

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