



CONTACT INFORMATION
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Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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R. 25 E.

T. 10 S.

R. 25 E.

T. 11 S.

R. 25 E.

T. 11 S.
R. 11 S.

T. 10 S.

T. 11 S.

Sec. 5

Sec. 4

Sec. 3

Sec. 1

Sec. 8

Lucky Claims

Sec. 9

Sec. 10

Sec. 11

Sec. 12

Sec. 17

Sec. 16

Sec. 15

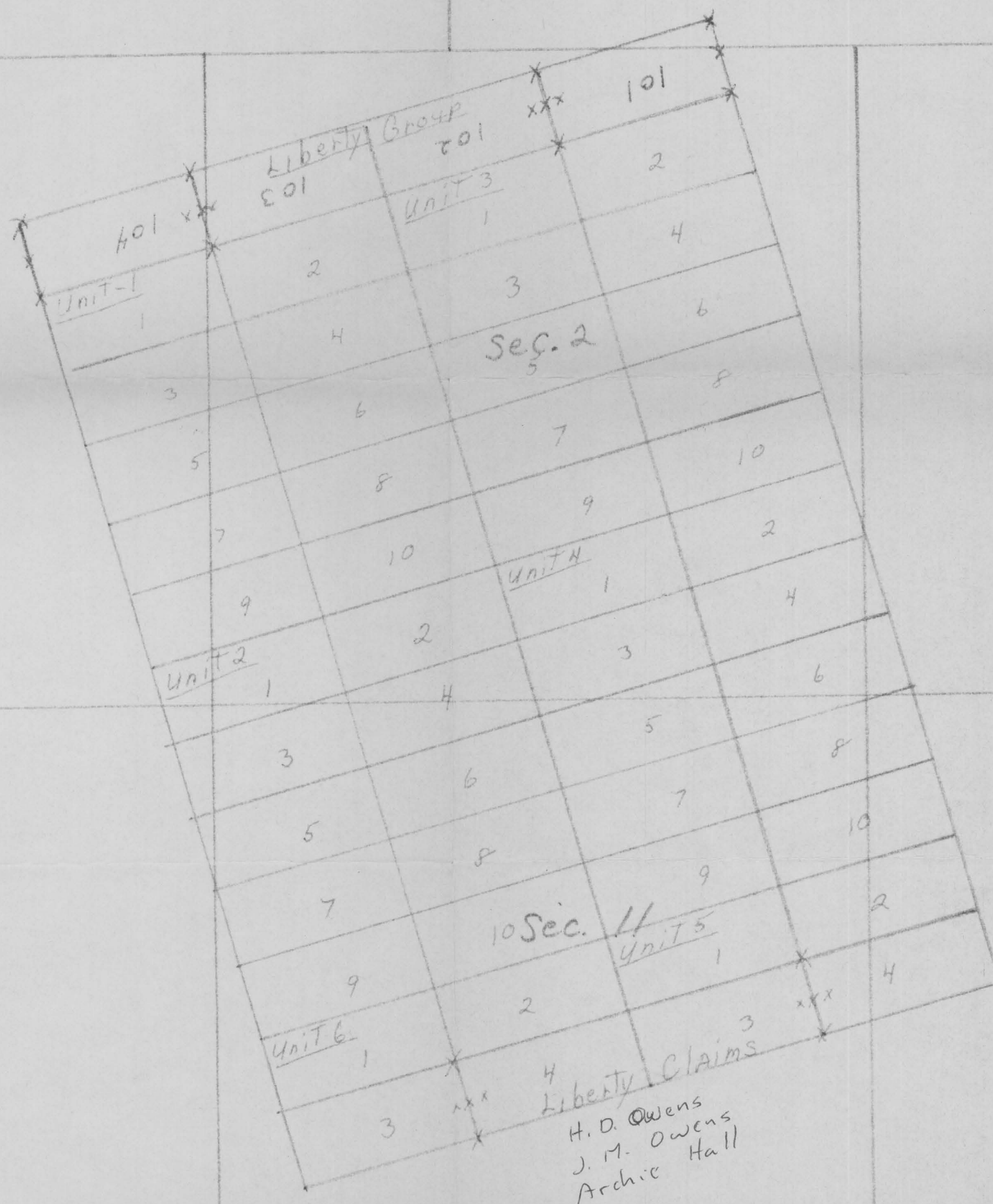
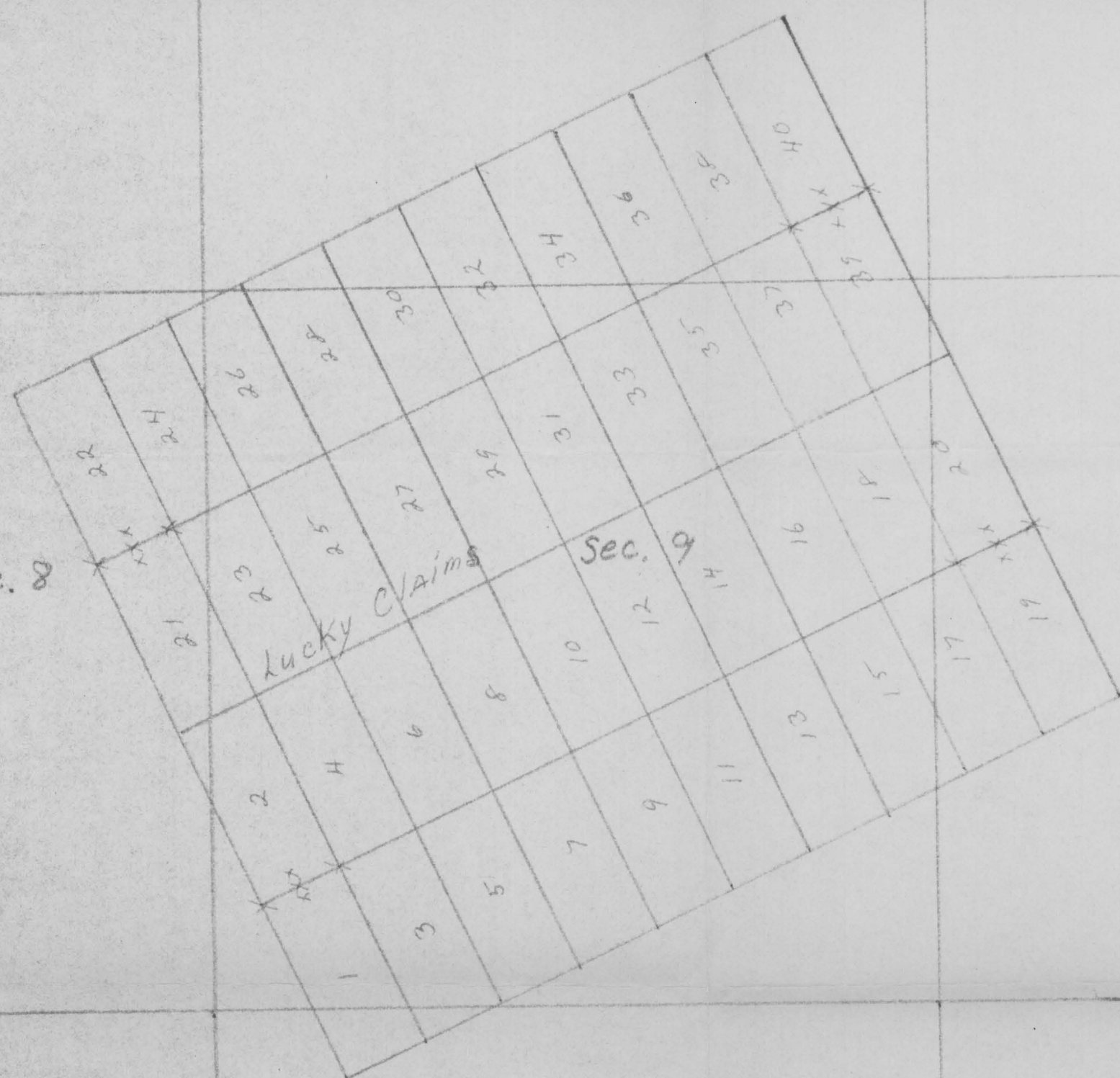
Sec. 14

Sec. 13

Sat-Sun-Monday

no geology
offered for option
negotiable
Ass. through Sept.

Safford Property
Milo Lambert (Agent)
Box 307
Tyrone, New Mexico
538-9222 (PD - shift work)



Hole ES-1 SAFFORD, ARIZ

COSTS:

| | |
|------------------------------|--------------------|
| DRILLING: | 26,499.90 |
| ADDITIVES: | 3,006.99 |
| WATER TRUCK: | 1,803.00 |
| CASING: BX LEFT IN HOLE 315' | 787.50 |
| NX LEFT IN HOLE 190' | 665.00 |
| Set-up: | 500.00 |
| TOTAL | <u>\$33,262.39</u> |

COST PER FOOT: 3281' TD: \$10.11 per Foot

ROTARY TO 745'
CORED NX 745' - 2137'
CORED BX 2137 - 3281'

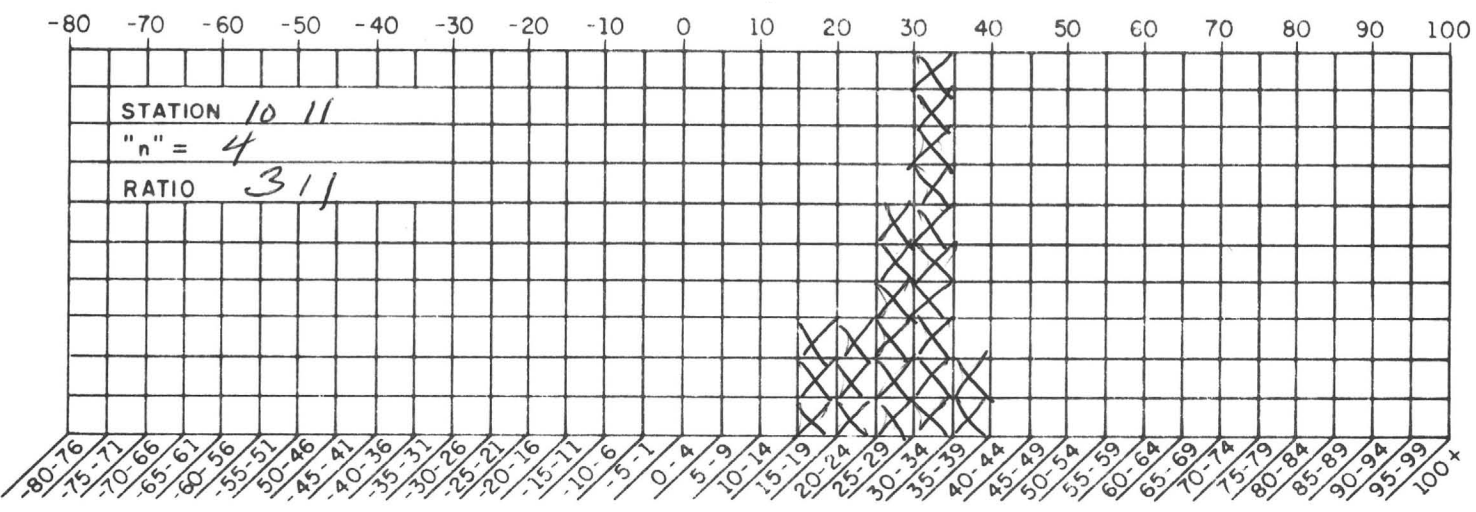
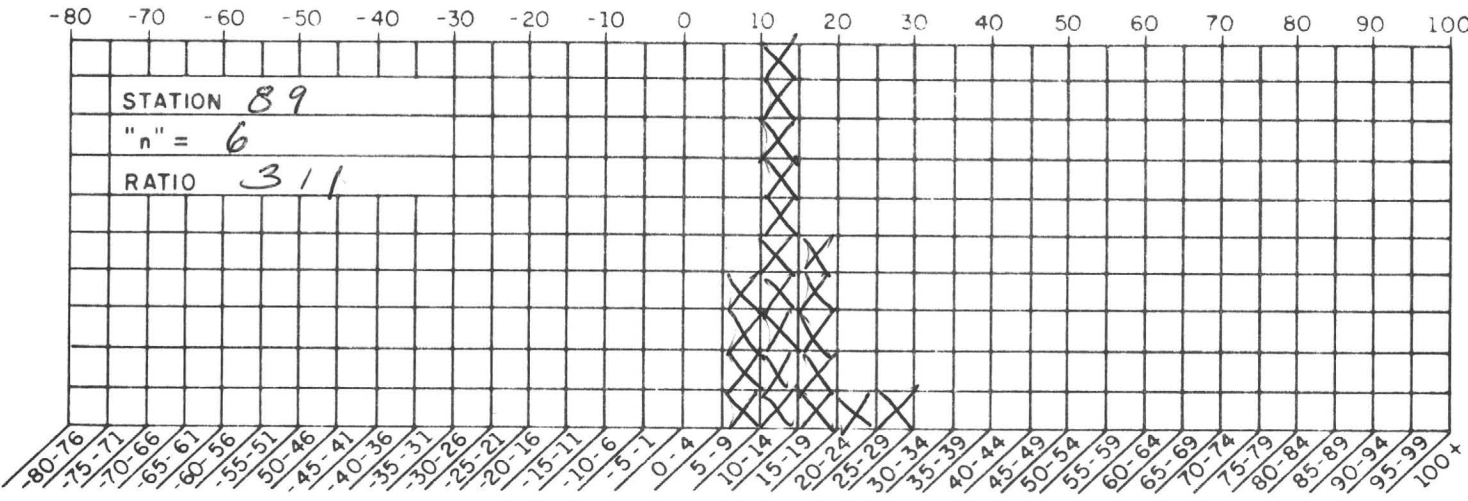
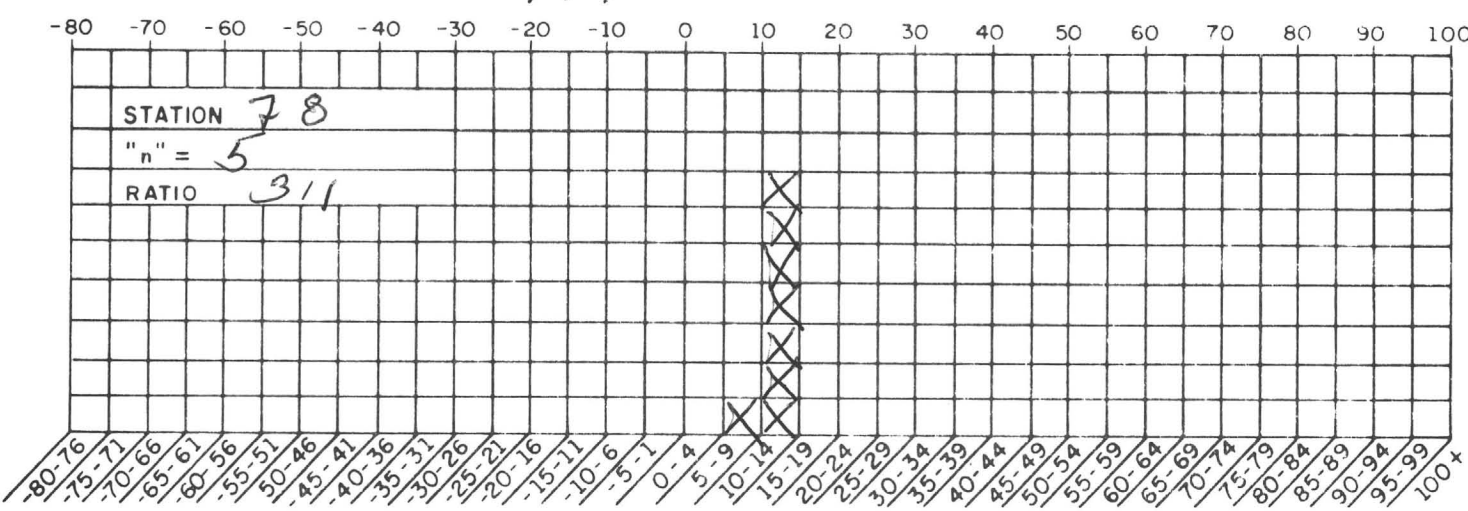
TOTAL DRILLING DAYS: 2 SHIFTS/DAY: 80
AVERAGE FEET/DAY: 41.0'

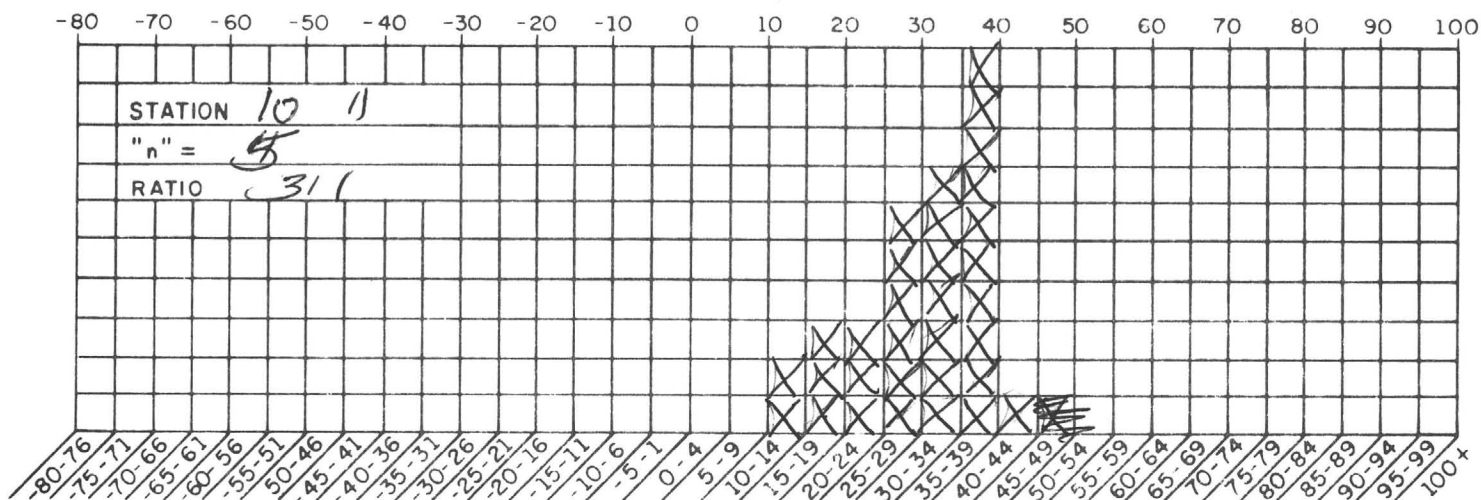
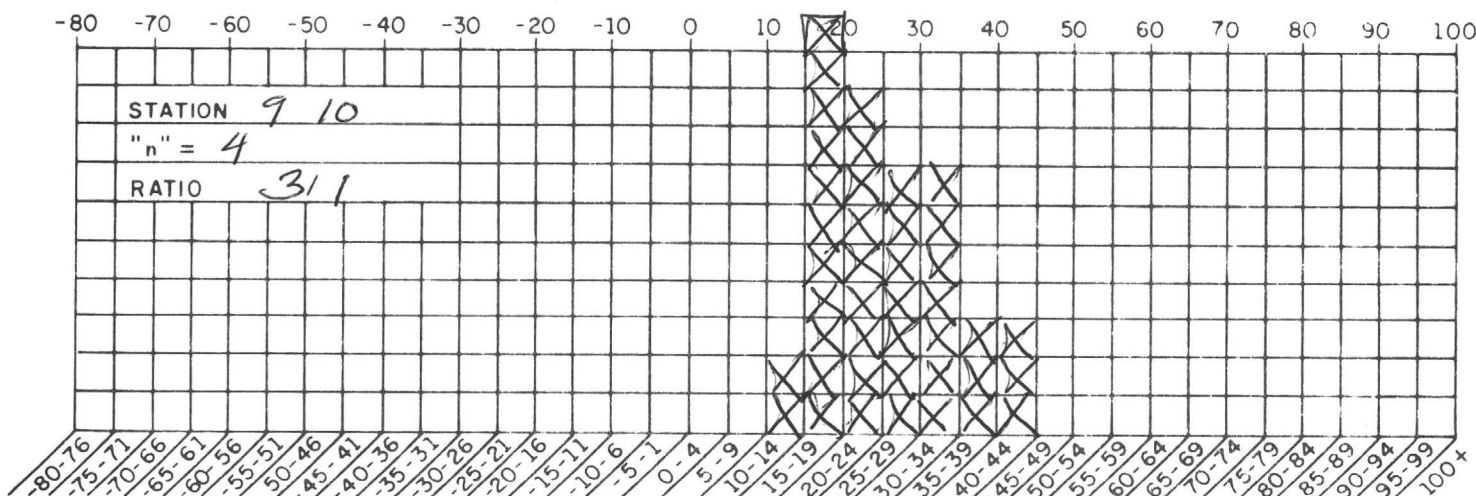
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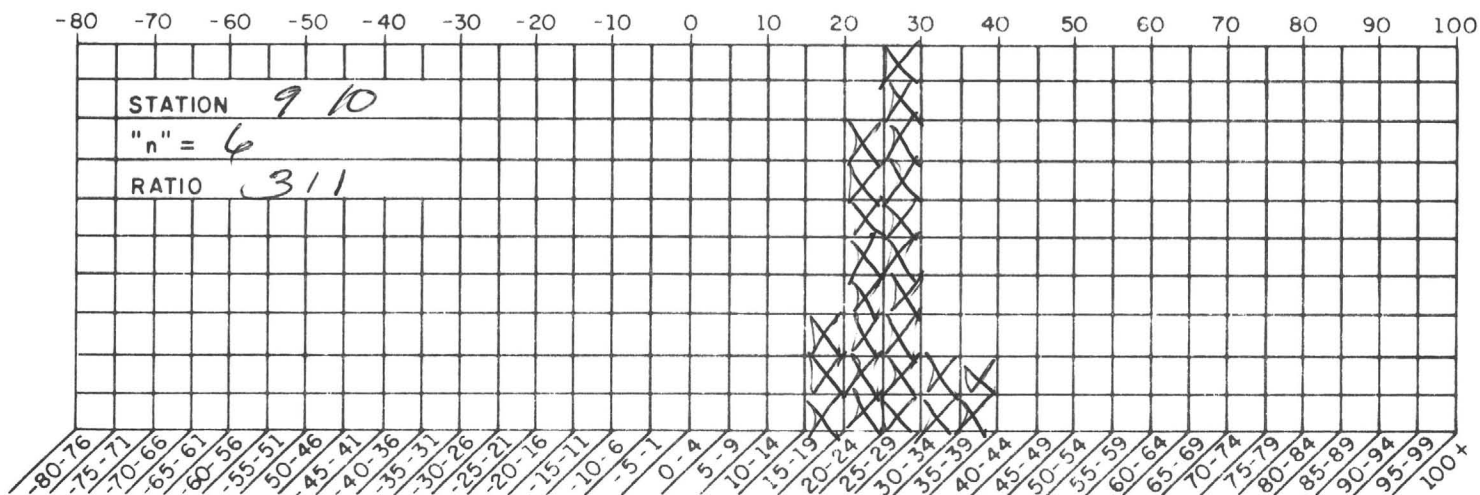
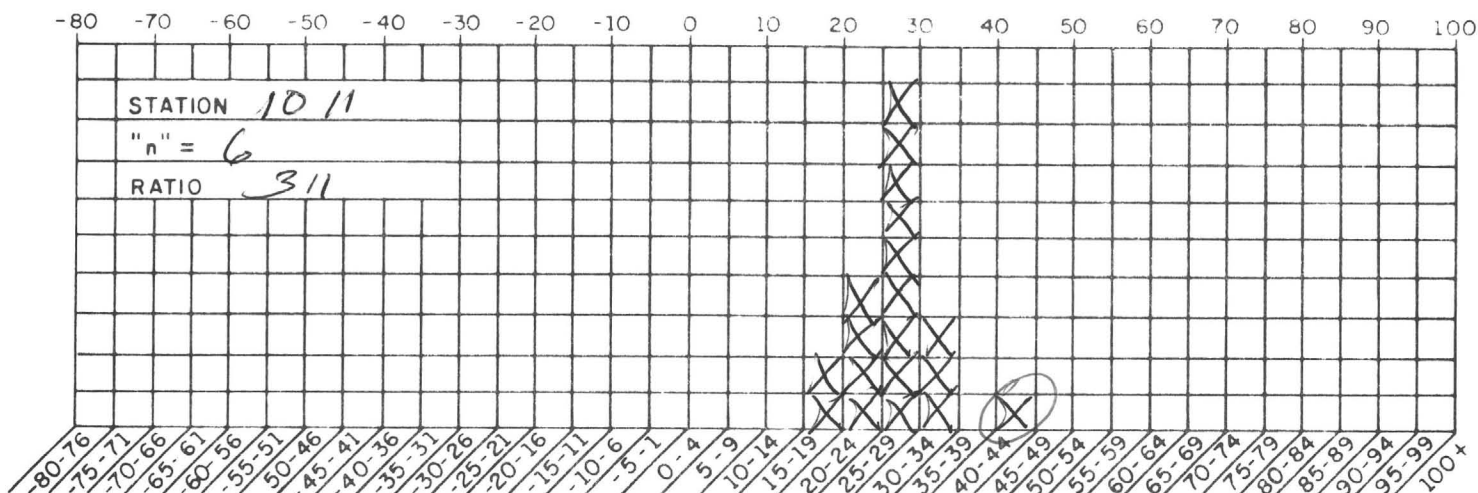
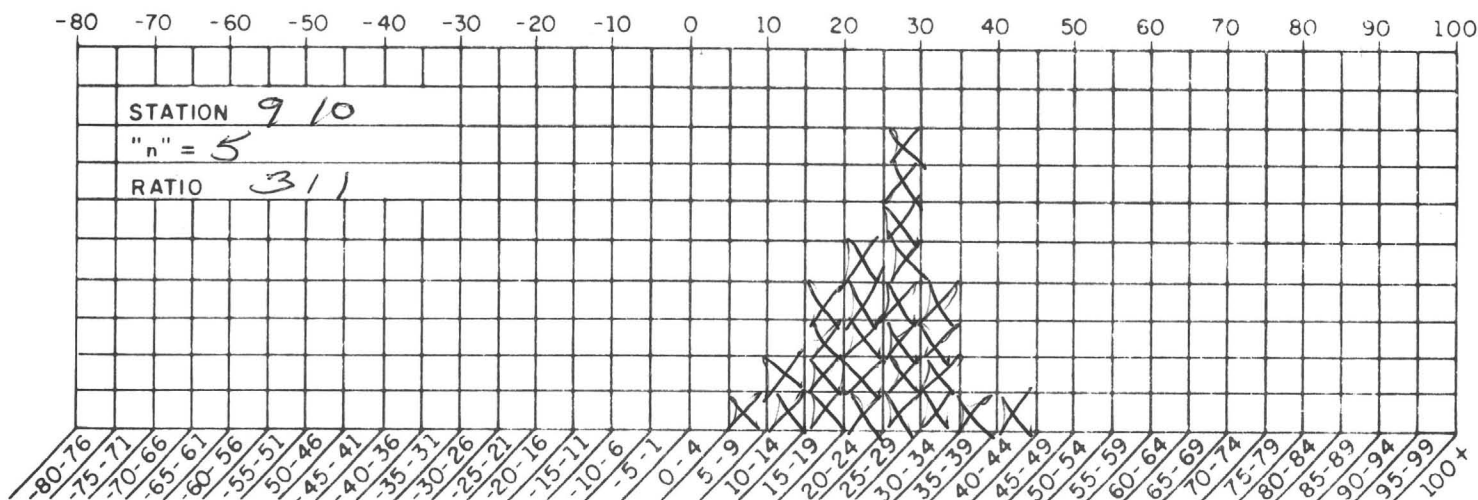
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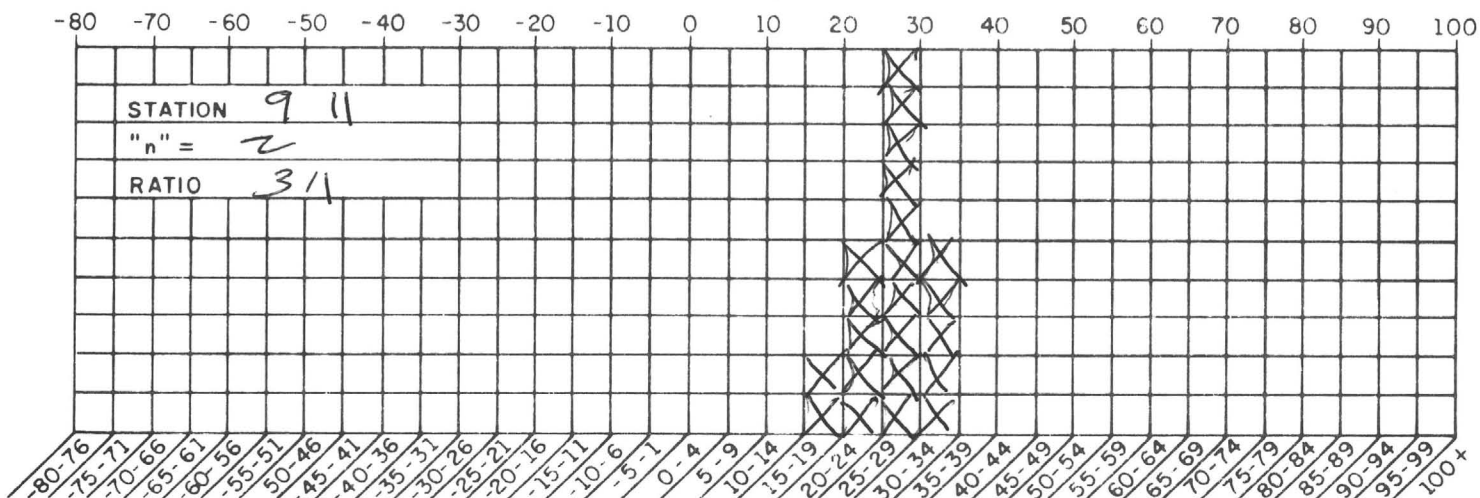
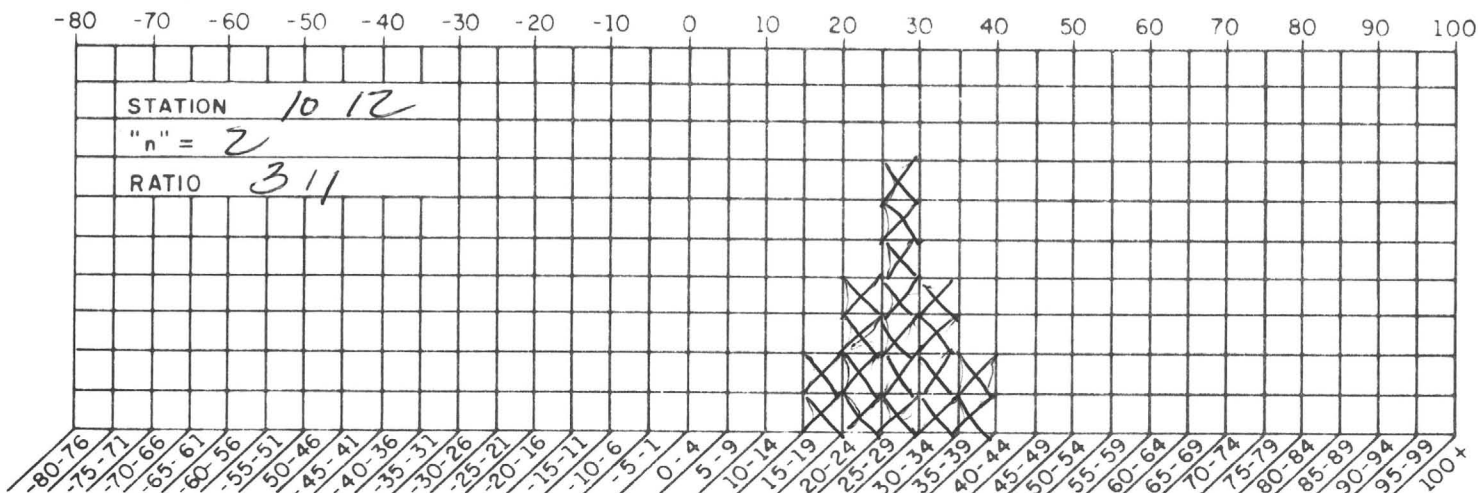
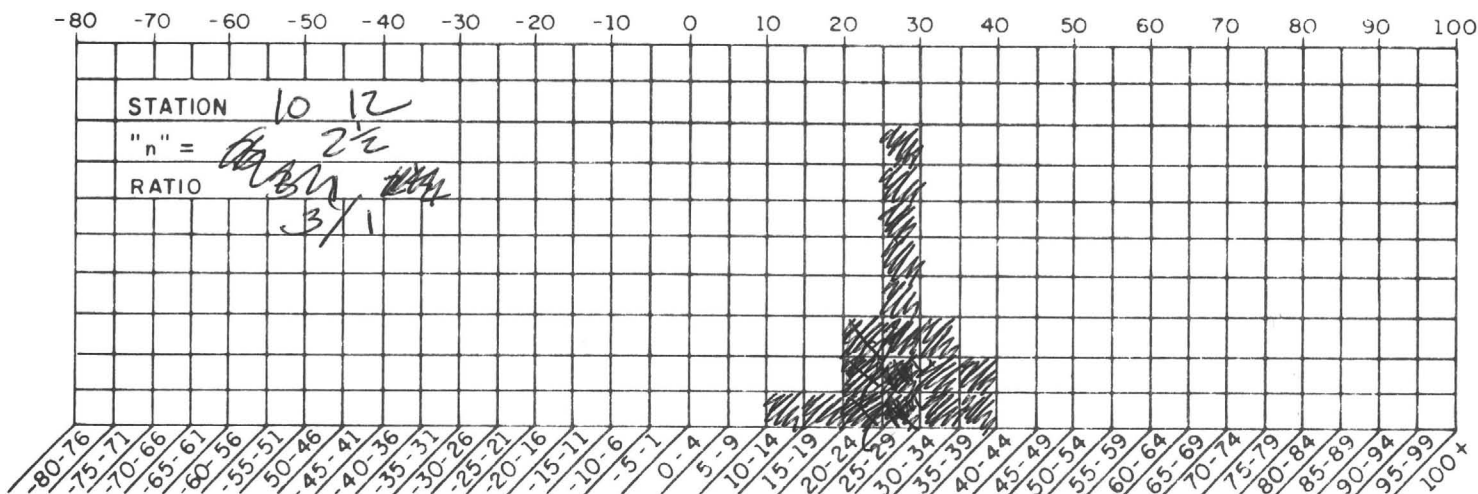
| LINE | DIRECTION | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | RX |
|------|-----------|------|-----------------|---------|------|----------|-----|
| 1 | LINE 8 | 540 | 1 | No RTH | | | |
| 2 | 7 | 9 | 1 | 100.3 | 10 | 7.5 | 7.5 |
| 3 | 7 | 9 | 1 | 30.1 | 40 | 7.5 | 7.5 |
| 4 | 7 | 9 | 1 | 10.1 | 97 | 7.5 | 7.5 |
| 5 | 7 | 9 | 1 | 10.1 | 60 | 7.5 | 7.5 |
| 6 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 7 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 8 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 9 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 10 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 11 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 12 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 13 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 14 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 15 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 16 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 17 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 18 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 19 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 20 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 21 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 22 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 23 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 24 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 25 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 26 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 27 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 28 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 29 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 30 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 31 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 32 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 33 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 34 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 35 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 36 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 37 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 38 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 39 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 40 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 41 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 42 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 43 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 44 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 45 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 46 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 47 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 48 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 49 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 50 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 51 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 52 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 53 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 54 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 55 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 56 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 57 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 58 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 59 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |
| 60 | 10 | 5 | 7 | 10.1 | 97 | 7.5 | 7.5 |
| 61 | 10 | 5 | 7 | 10.1 | 60 | 7.5 | 7.5 |
| 62 | 10 | 5 | 7 | 100.3 | 10 | 7.5 | 7.5 |
| 63 | 10 | 5 | 7 | 30.1 | 40 | 7.5 | 7.5 |

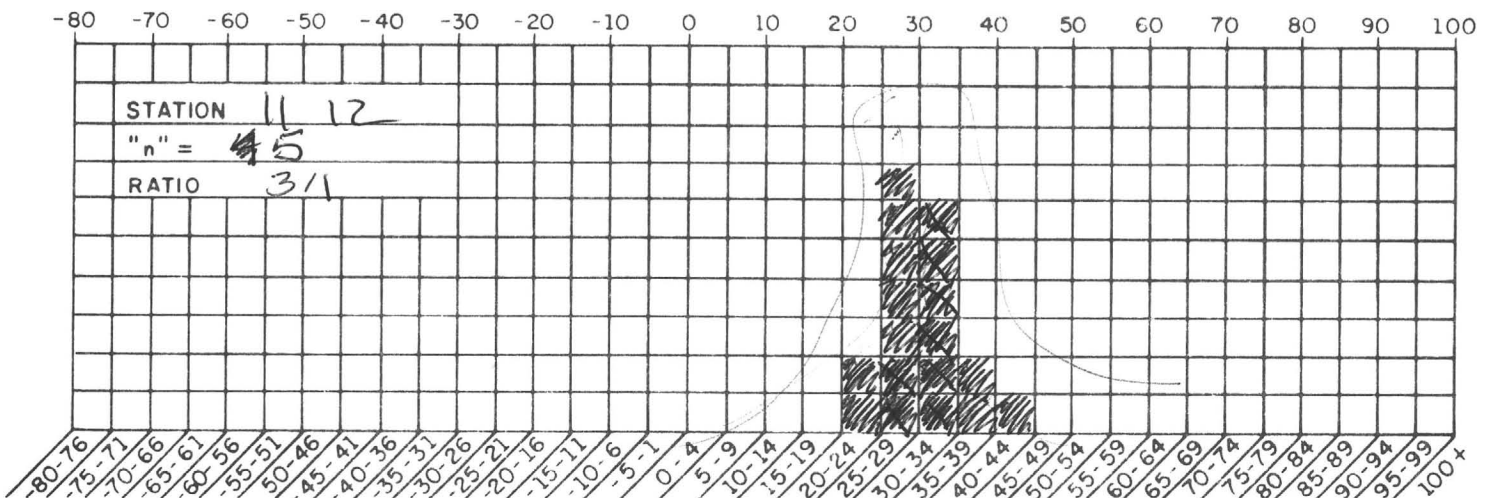
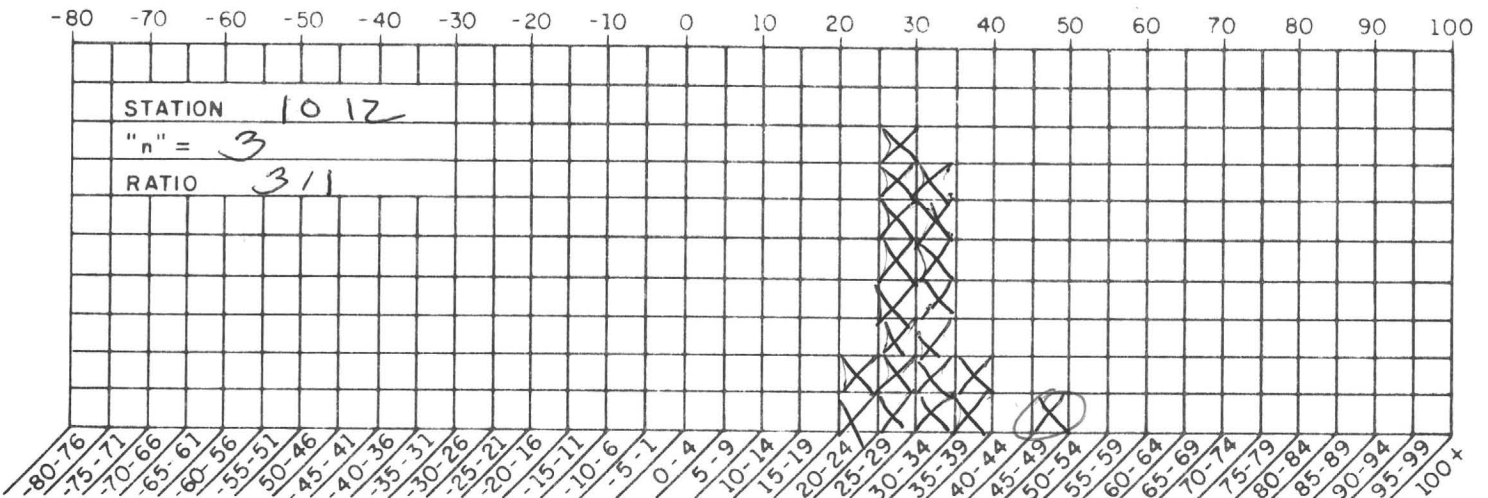
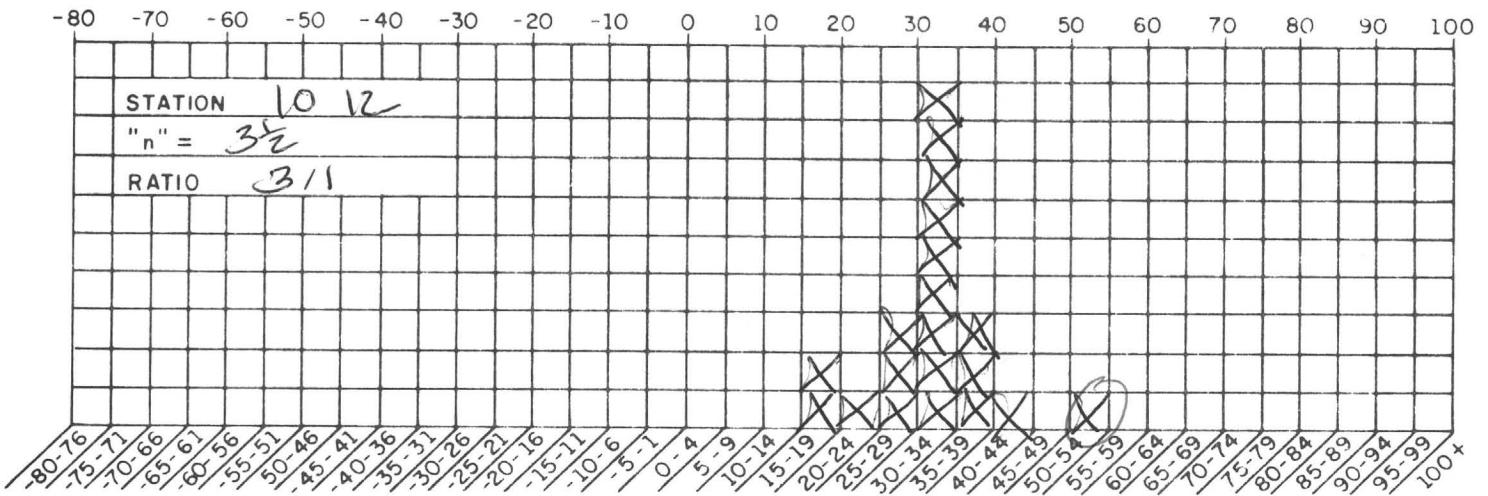
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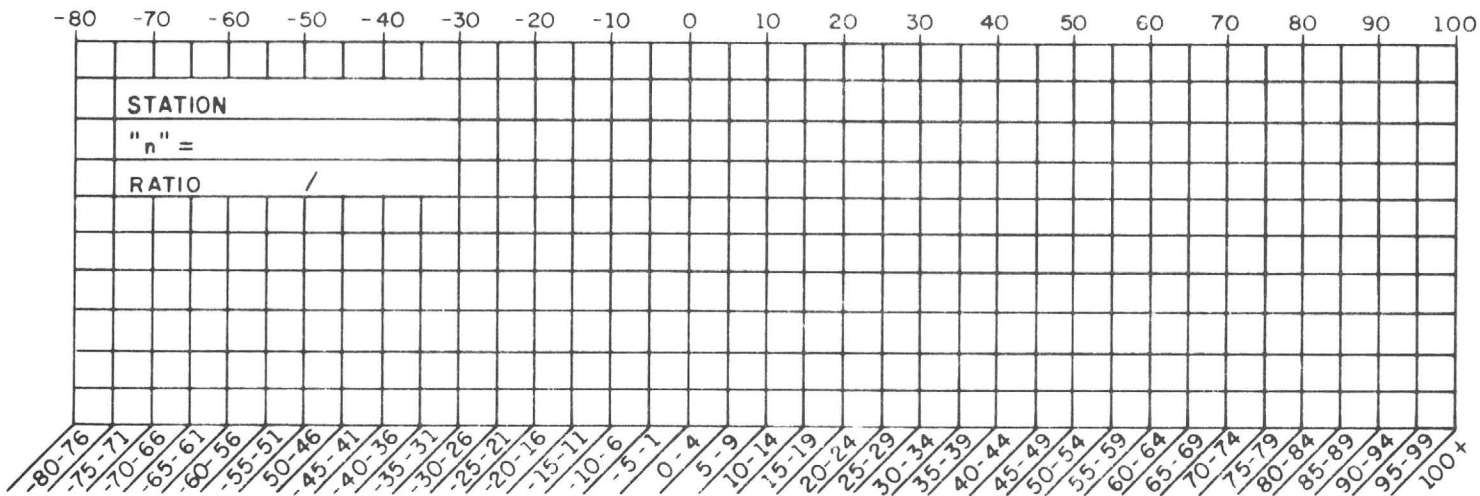
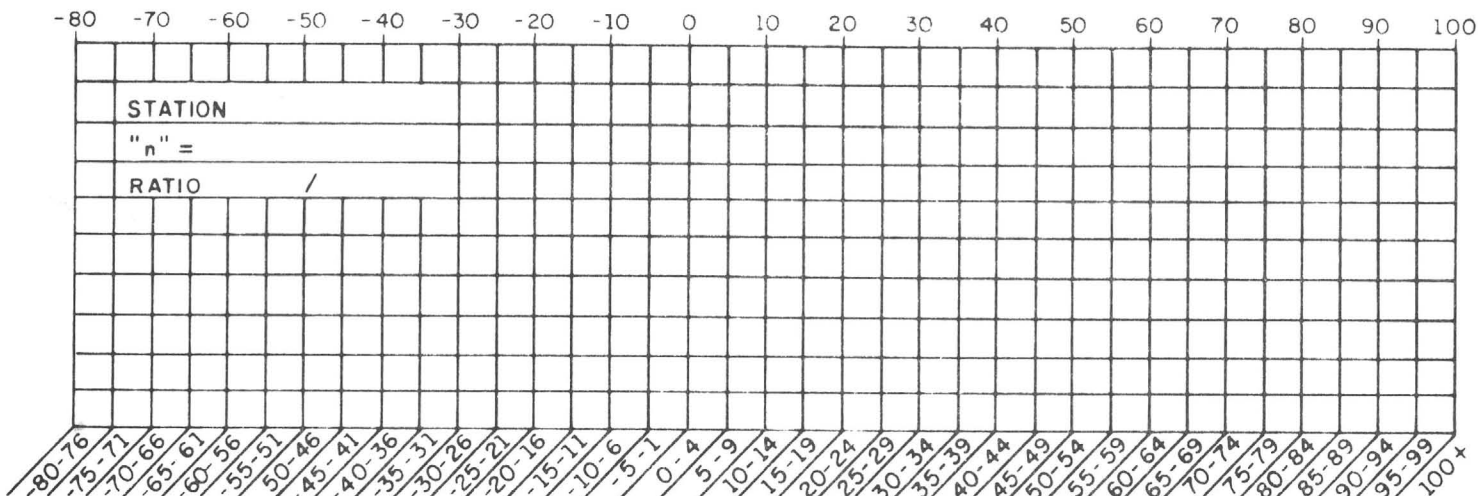
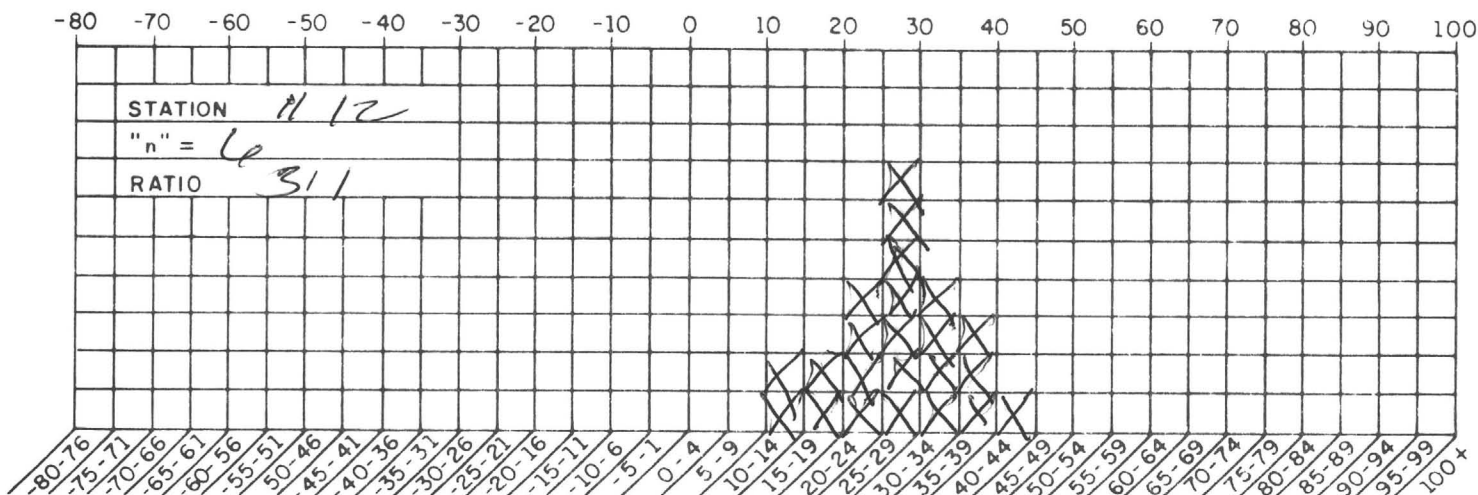












MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

az 1000'

| | | | |
|----------|----------------|---------|----------|
| Project: | Client: LINE 8 | Date: | |
| 0256 | ESSEX | 12-9-72 | |
| TIME | I | VA | COMMENTS |
| | 7.5 | | 4-5 |
| | 7.5 | | 3-4 |
| | 7.5 | | 2-3 |
| | 7.5 | | 1-2 |
| | | | |
| | 7.5 | | 6-7 |
| | 7.5 | | 5-6 |
| | 7.5 | | 4-5 |
| | 7.5 | | 3-4 |
| | 7.5 | | 2-3 |
| | 7.5 | | 1-2 |
| | | | |
| | | | 6-7 |
| | | | 5-6 |
| | | | 4-5 |
| | | | 3-4 |
| | | | 2-3 |
| | | | |
| | | | 6-7 |
| | | | 5-6 |
| | | | 4-5 |
| | | | |
| | | | |

mining
geophysical surveys



2400 EAST GRANT ROAD - TUCSON, ARIZONA 85719

TELEPHONE - 602 326-8619

January 26, 1973

Essex International Inc.
1704 West Grant Road
Tucson, Arizona 85705

ATTN: Mr. E. Grover Heinrichs

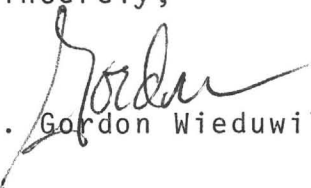
Dear Grover:

Under the terms of our Agreement, the original mylar copies of maps and profiles, as well as data cards, become the property of the client.

We, therefore, are forwarding the material pertaining to work done on your company's Safford Project during 1972.

We look forward to serving you again in the future.

Sincerely,



W. Gordon Wieduwilt

WGW/nw

Enclosures

0237

0256

2500
2400
49000

4 claims

Monthly Report for August 1972

Safford Project

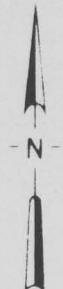
Sept. 5, 1972

Resistivity

An Induced Polarization ^{ON} survey was conducted ~~over~~ ^{over} ~~the~~ ^{major} ~~contiguous~~ land holdings in Safford. The objective of the survey was to ^{ascertain to the depth, attitude & limits of} determine possible sulfide enriched zones within the property boundaries by utilizing this electrical technique, best ~~the results to date reveal the following:~~
described as a
1000' & 2000'

A dipole-dipole array using the "time domain" method of ^{measuring} induced polarization response. A total of ^{143 readings on} 2 lines ^{approximately 3000' apart, & oriented NW-SE &} covering a surface of ^{sulfide} of up to 4% sulfides 49,000' delineated an apparent zone 1500 to 2000' below the surface. The ^{largest} responsive zone appears to ~~be~~ ~~be~~ be deepening to the Southwest and within this large zone are two shallower zones. ~~One shallow zone occurs on the NW~~ ~~part of the~~ ~~property~~ One shallow zone occurs on the NW ~~part of the~~ ~~property~~ part of the property

ZONE A Extends 8000' from ~~SW~~ SW⁴ SE⁴ Sec. 33 to SE⁴ SE⁴ Sec. 3
ZONE B Extends 8000' from SE⁴ NE⁴ Sec. 4 to SW⁴ NE⁴ Sec. 10
Zone 1 ~~Between~~ ^{2600'} SW¹/₄ SE¹/₄ Sec. 33 T5S, R16E
Zone 2 ~~Between~~ ^{4000'} SW⁴ NE⁴ } Sec. 3 T6S, R16E
Zone 3 1000' SW⁴ NE⁴ & N² SW⁴ NE⁴ Sec. 10



SCALE 1" = 500'

GEOPHYSICAL PLAN MAP

SAFFORD PROJECT
GRAHAM COUNTY, ARIZONA
FOR

ESSEX INTERNATIONAL INC.

BY

mining
geophysical surveys



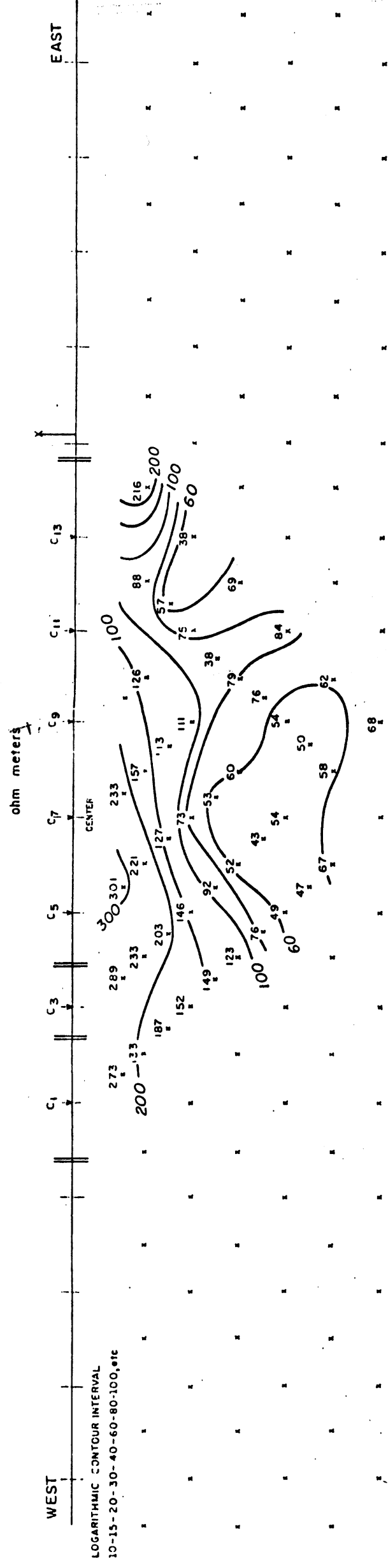
TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

SAFFORD PROJECT - GRAHAM COUNTY, ARIZONA

FOR

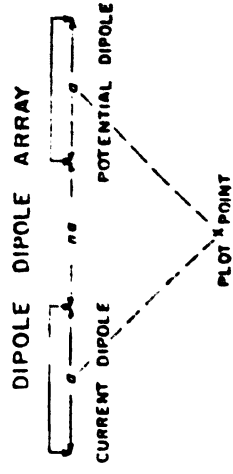
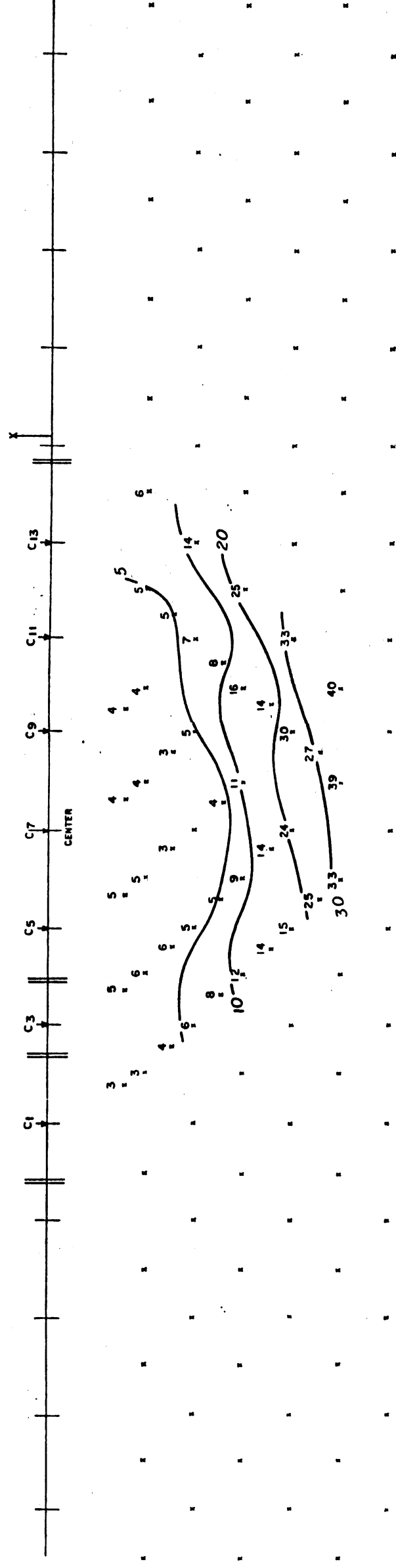
ESSEX INTERNATIONAL, INC.

APPARENT RESISTIVITY



LOGARITHMIC CONTOUR INTERVAL
10-15-20-30-40-60-80-100, etc

APPARENT POLARIZATION
millivolt seconds/volt



LINE: 1

LOOKING: NE

DIPOLE

LENGTH: ... 1000'

DATE: JAN. 31 / 1975

LEGEND

ENCE. . . . X

PIPELINE

POWERLINE T

ROAD. RM. #1.

mining

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TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

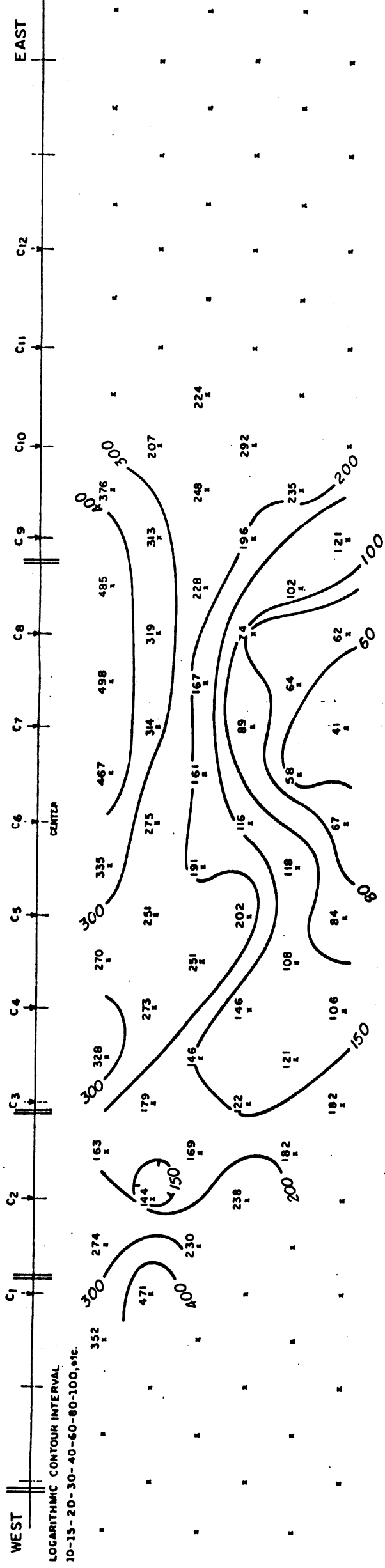
SAFFORD PROJECT - GRAHAM COUNTY, ARIZONA

FOR

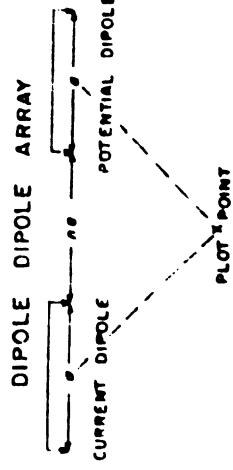
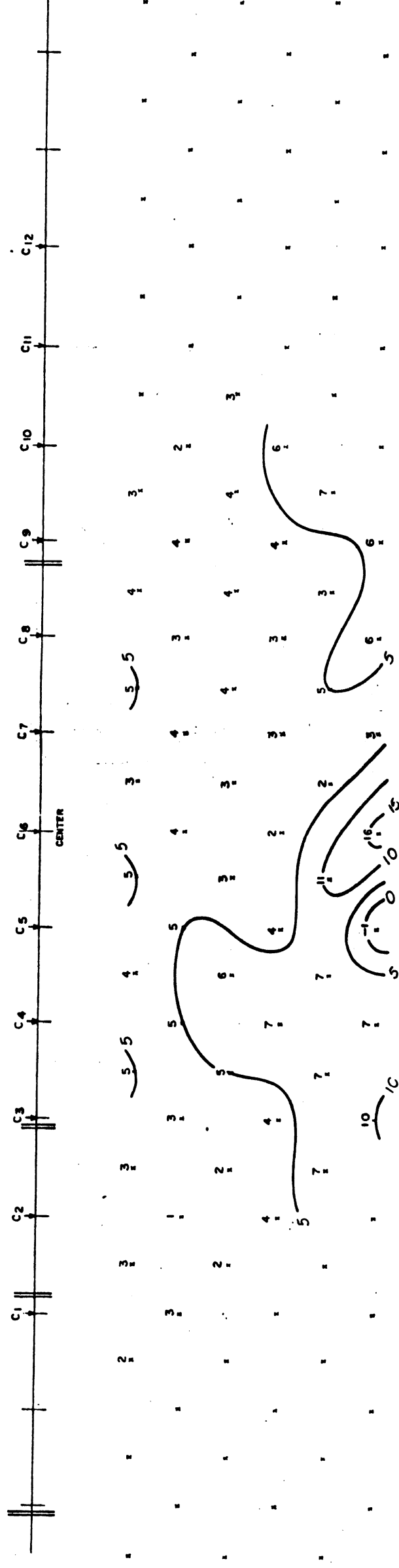
ESSEX INTERNATIONAL, INC.

APPARENT RESISTIVITY

ohm meters



APPARENT POLARIZATION
millivolt seconds/volt



LINE.....1
LOOKING.....NE
DIPOLE
LENGTH... 500
DATE JAN. 30/1975

LEGEND

FENCE

PIPELINE

POWERLINE

ROAD, RR. ~~RAILROAD~~

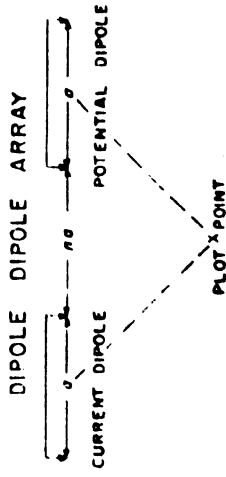
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mining



SAFFORD PROJECT – GRAHAM COUNTY, ARIZONA

ESSEX INTERNATIONAL, INC.

ohm meters



LINE 2
LOOKING NE
CIRCLE
LENGTH 1000'
DATE JAN. 3/1975

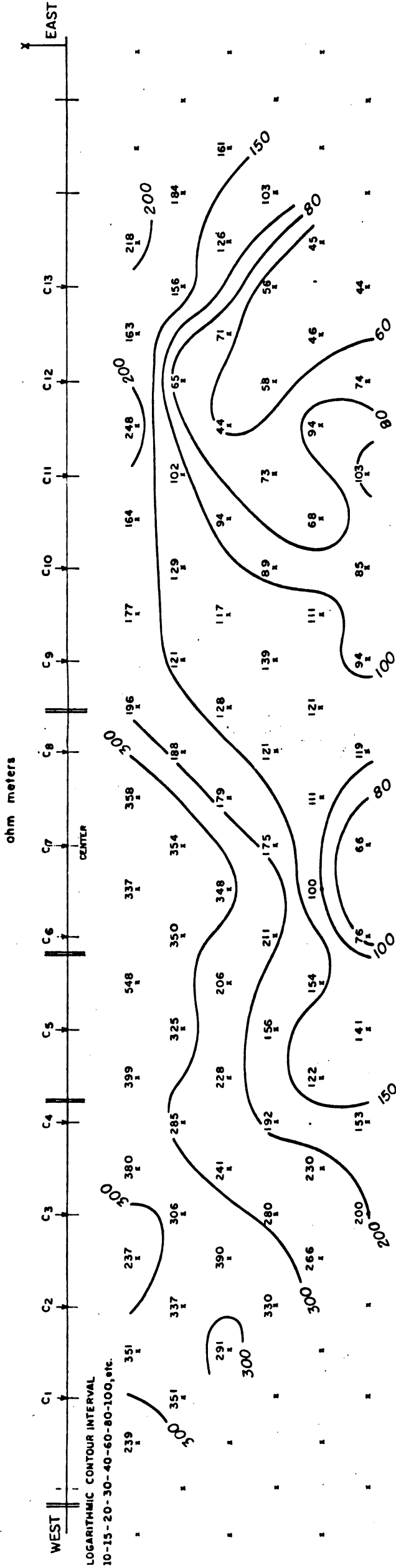
geophysical surveys mining

TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

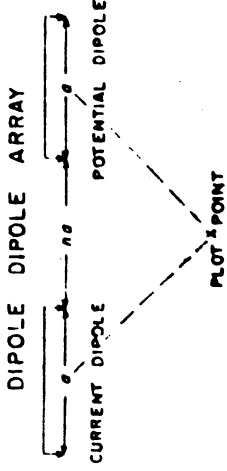
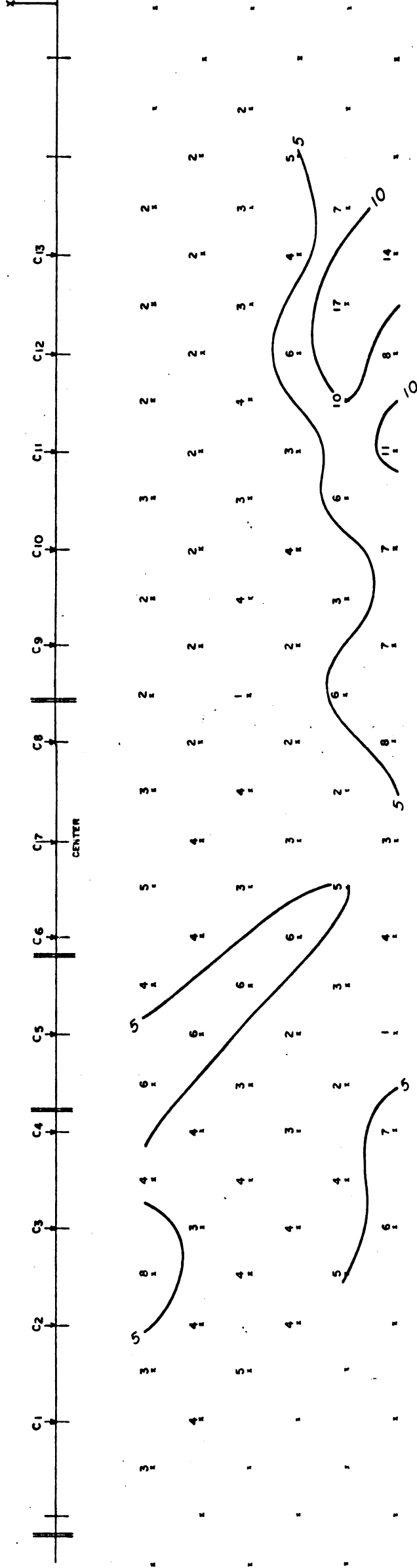
SAFFORD PROJECT - GRAHAM COUNTY, ARIZONA

FOR
ESSEX INTERNATIONAL, INC.

APPARENT RESISTIVITY



APPARENT POLARIZATION



LEGEND

LINE: 2

LOOKING: NE

DIPOLE LENGTH: 500'

DATE: FEB 3/1975

FENCE: X

PIPELINE: O

POWERLINE: T

ROAD, RR.: ==

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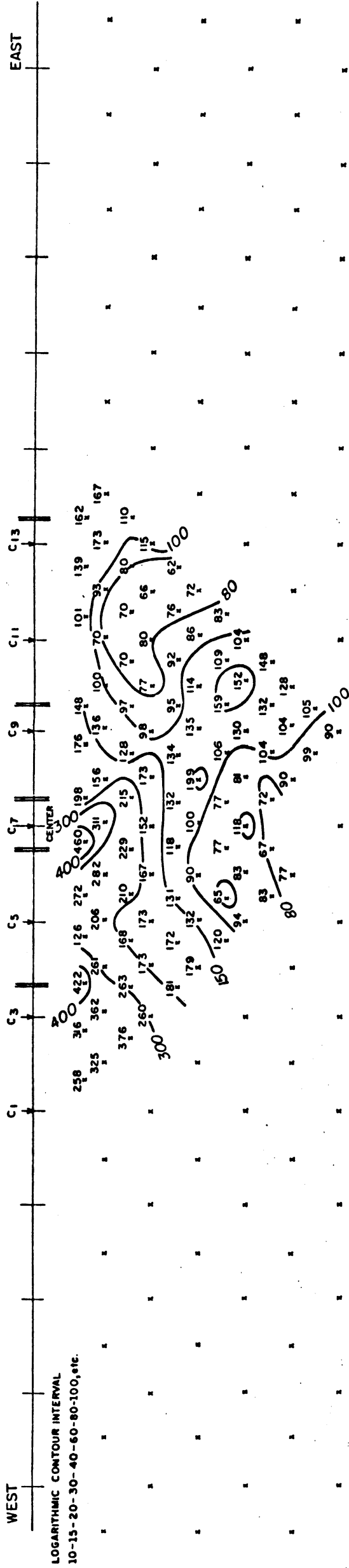
TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

SAFFORD PROJECT - GRAHAM COUNTY, ARIZONA

FOR
ESSEX INTERNATIONAL, INC.

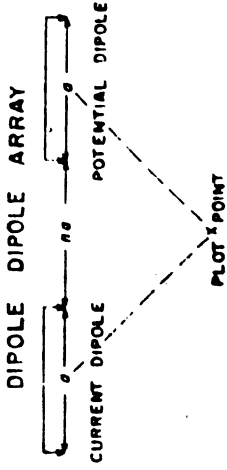
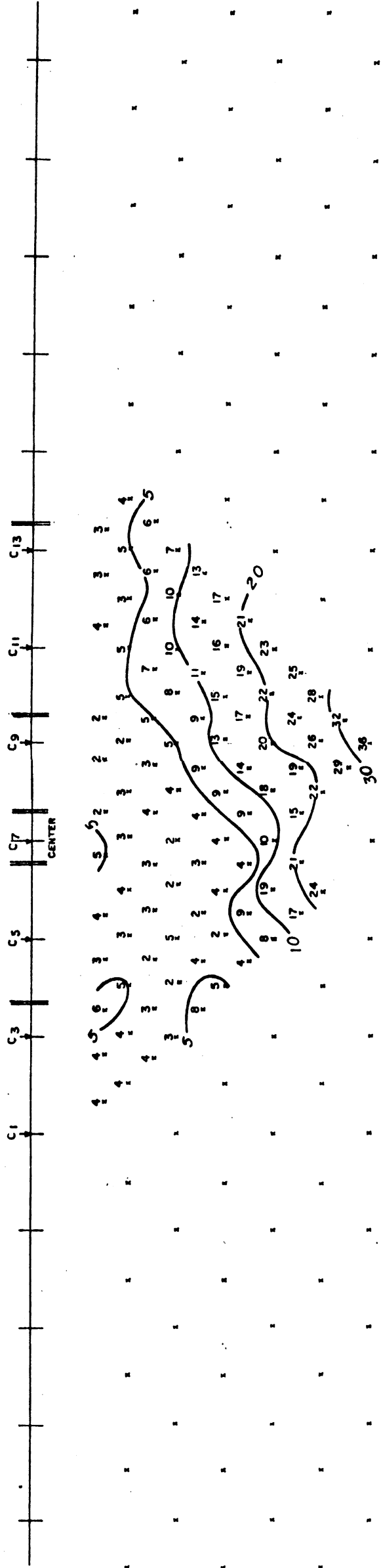
APPARENT RESISTIVITY

ohm meters



APPARENT POLARIZATION

millivolt seconds/volt



- LEGEND
- LINE: 3
- LOOKING NE
- DIPOLE
- LENGTH 1000'
- DATE FEB. 9/1975
- FENCE X
- PIPELINE O
- POWERLINE T
- ROAD, RR.=

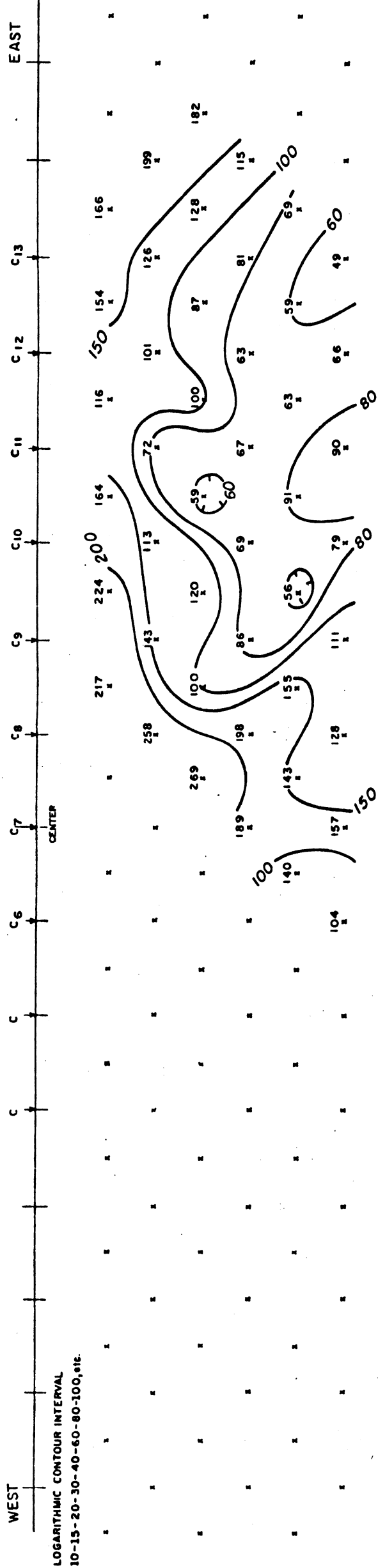
mining
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TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

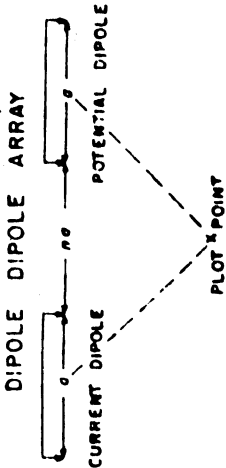
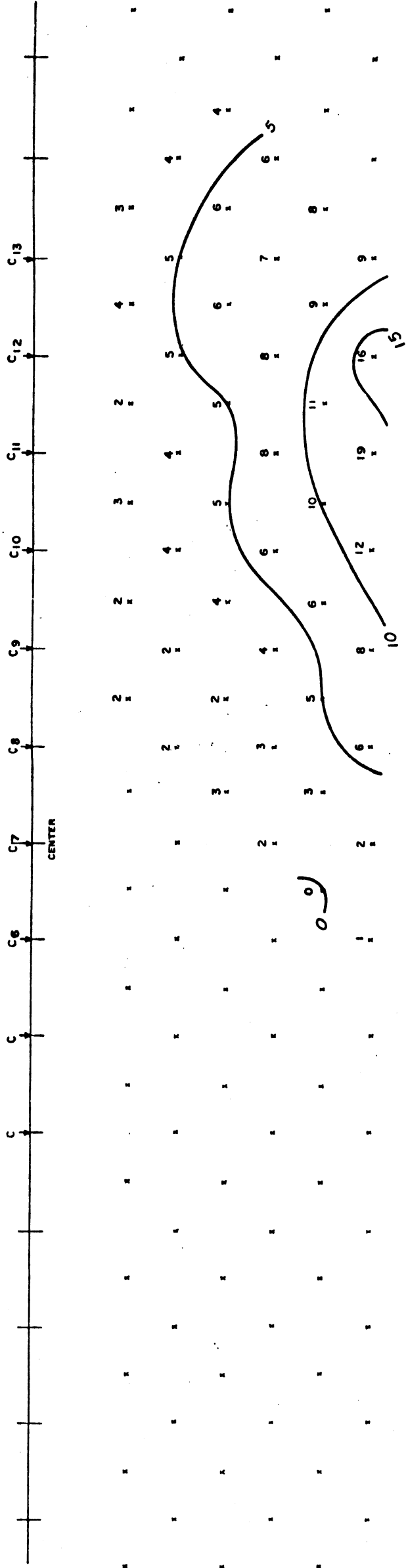
SAFFORD PROJECT - GRAHAM COUNTY, ARIZONA

FOR
ESSEX INTERNATIONAL, INC.
APPARENT RESISTIVITY

ohm meters



APPARENT POLARIZATION
millivolt seconds/volt

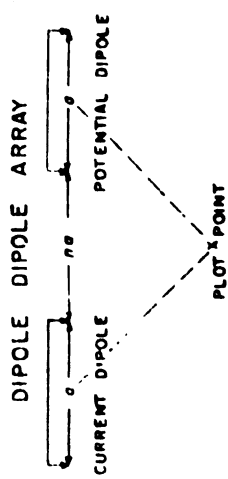


- LEGEND
- LINE 3
 - LOOKING NE
 - DIPOLE LENGTH 500'
 - DATE FEB. 9/1975
 - FENCE X
 - PIPELINE O
 - POWERLINE T
 - ROAD, RR. ===

SAFFORD PROJECT – GRAHAM COUNTY, ARIZONA

ESSEX INTERNATIONAL, INC.

ohm meters



LINE 4
LOOKING N E
DIPOLE
LENGTH 1000'
DATE FEB 13/1975

LEGEND
FENCE X
PIPELINE O
POWERLINE T
ROAD, RR. ~~==~~

geophysical surveys



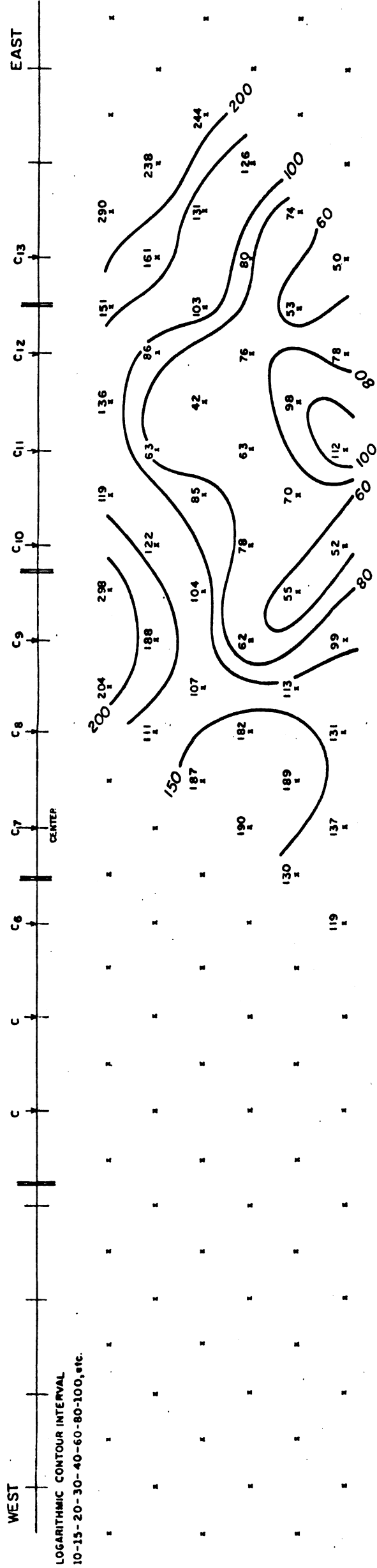
TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

SAFFORD PROJECT - GRAHAM COUNTY, ARIZONA

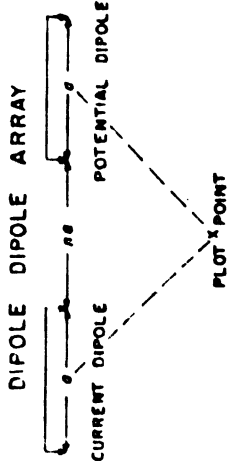
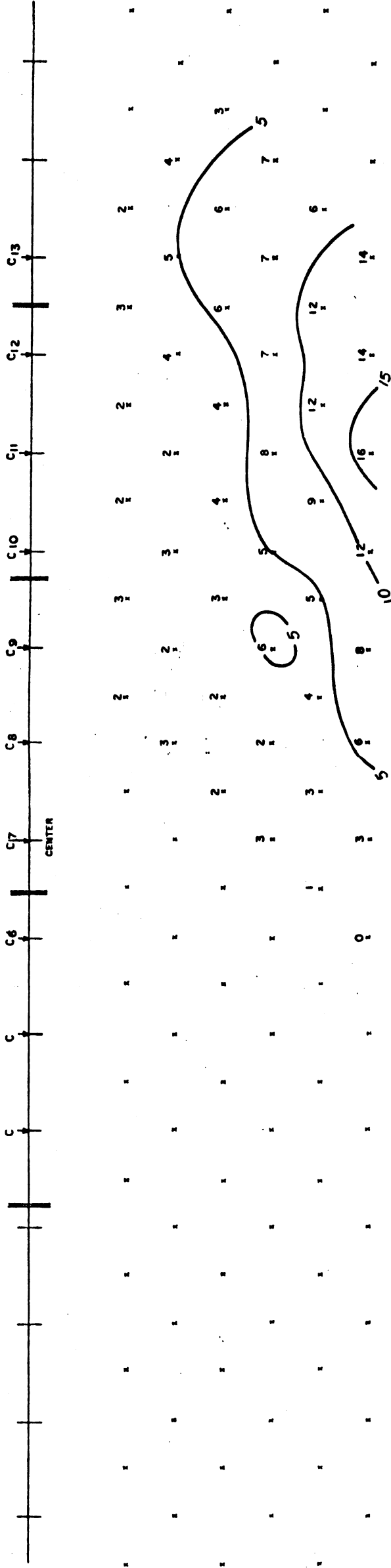
FOR
ESSEX INTERNATIONAL, INC.

APPARENT RESISTIVITY

ohm meters



APPARENT POLARIZATION
millivolt seconds/volt



LEGEND

LINE: 4

LOOKING: NE

DIP-OLE

LENGTH: 500'

DATE: FEB. 13/1975

FENCE: ---

PIPELINE: ---

POWERLINE: ---

ROAD, RR: ---

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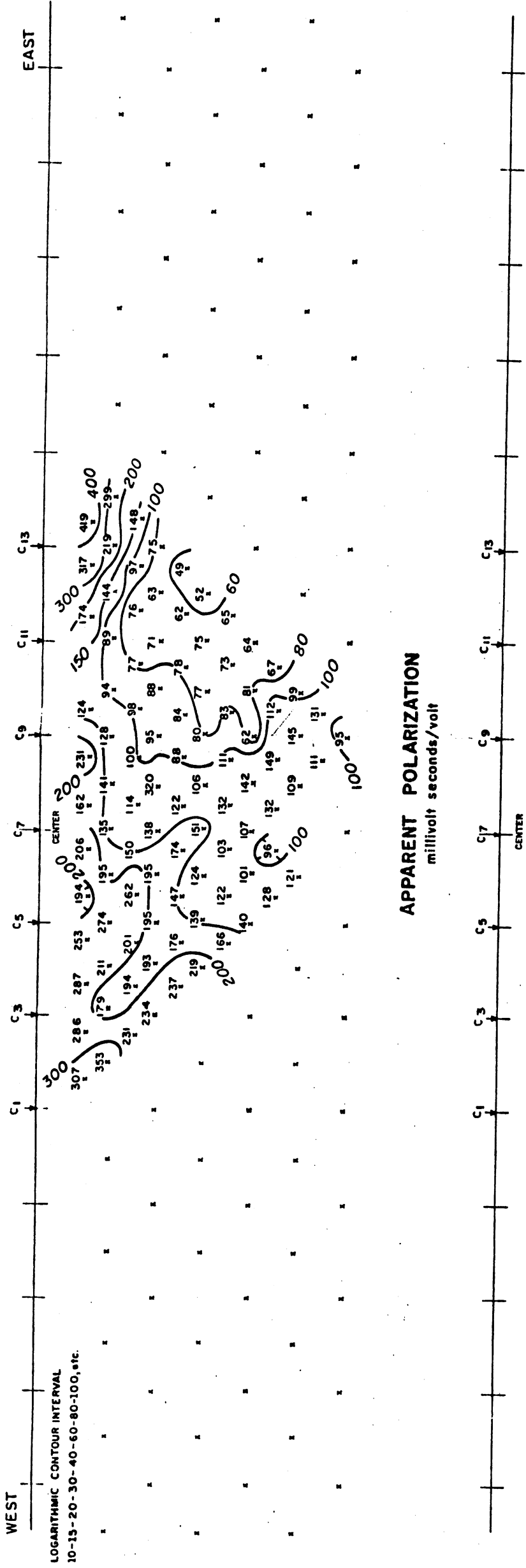
TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

SAFFORD PROJECT—GRAHAM COUNTY, ARIZONA

FOR
ESSEX INTERNATIONAL, INC.

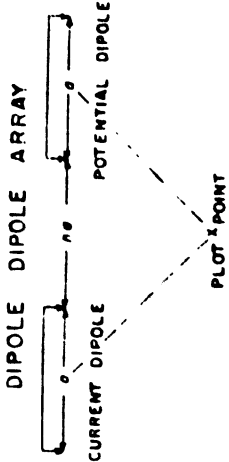
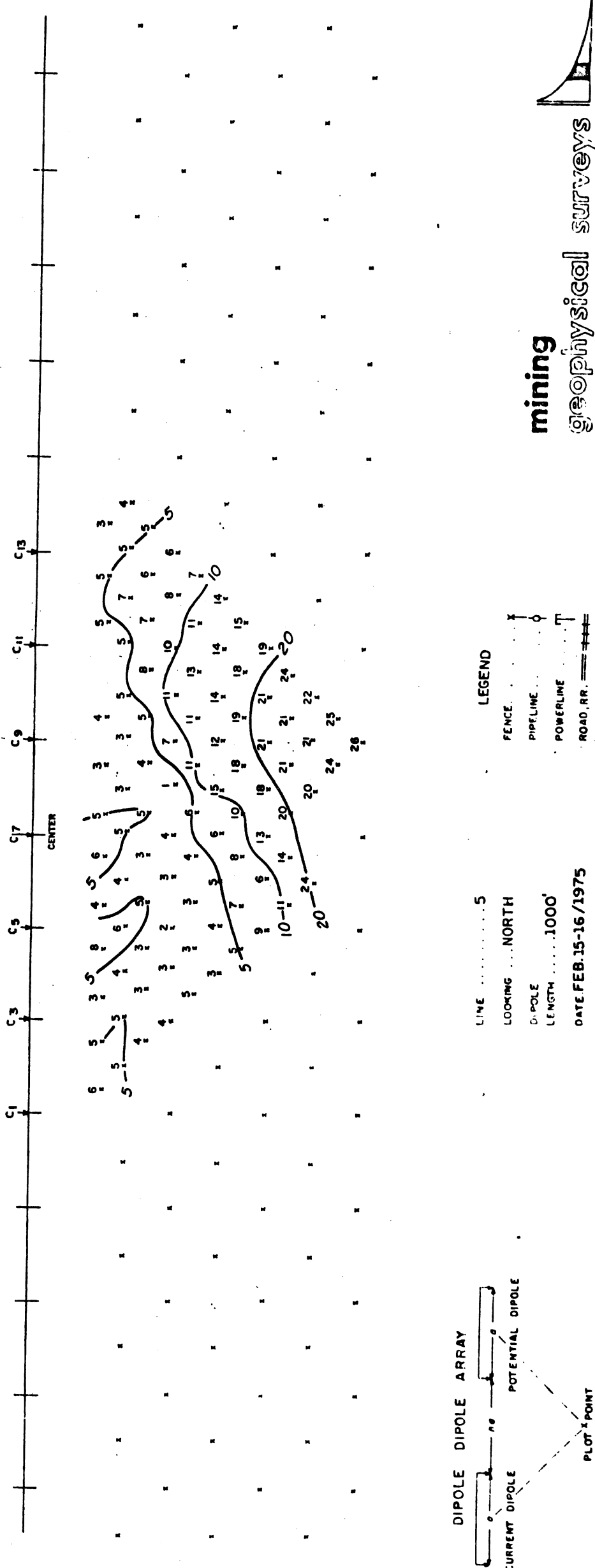
APPARENT RESISTIVITY

ohm meters



APPARENT POLARIZATION

millivolt seconds/volt



- LEGEND
- LINE5
 - LOOKING NORTH
 - DIPOLE
 - LENGTH1000'
 - DATE FEB. 15-16/1975
 - FENCE
 - PIPELINE
 - POWERLINE
 - ROAD, RR.

mining
geophysical surveys

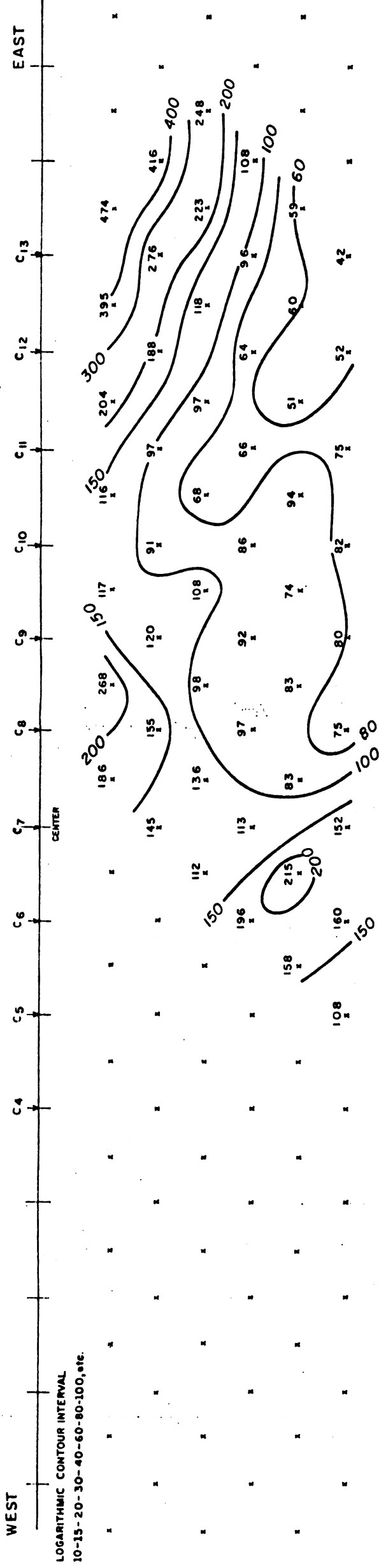
TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

SAFFORD PROJECT - GRAHAM COUNTY, ARIZONA

FOR
ESSEX INTERNATIONAL, INC.

APPARENT RESISTIVITY

ohm meters



[illegible]

PAGE 3

| LINE | | DIRECTION | | DATE | | ELECTRODE ARRAY | | PROJECT | | UNIT | | OPERATOR | | RX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|----|-----------|------|---------|-----|-----------------|-----|---------|-----|------|-----|----------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| LINE | TX | RANGE | MULT | CURRENT | SPD | MZ | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

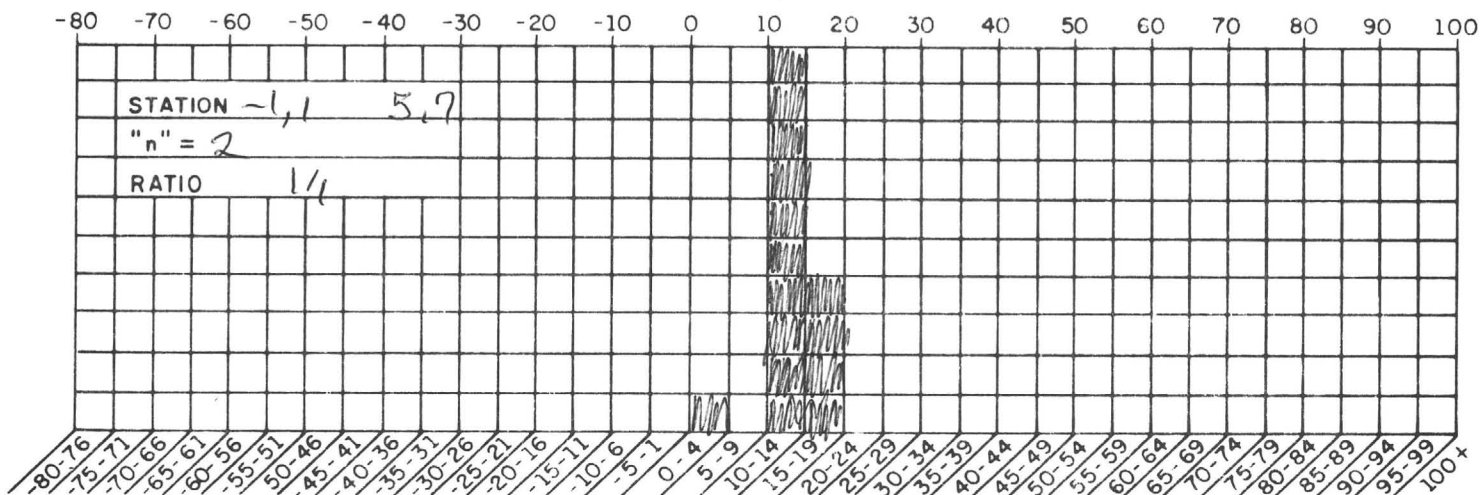
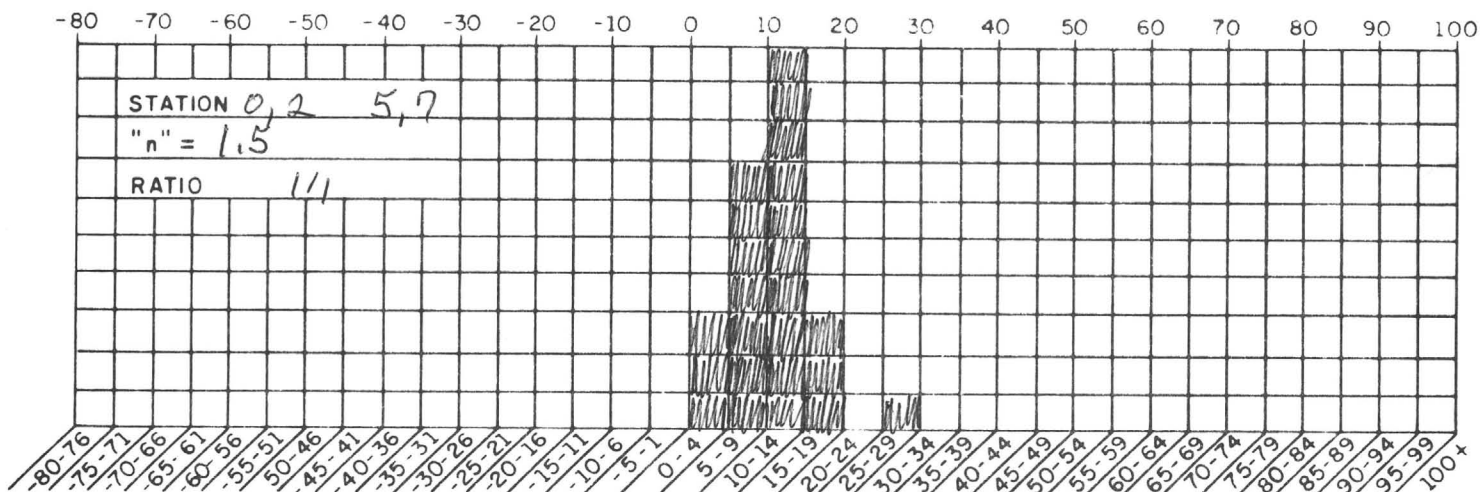
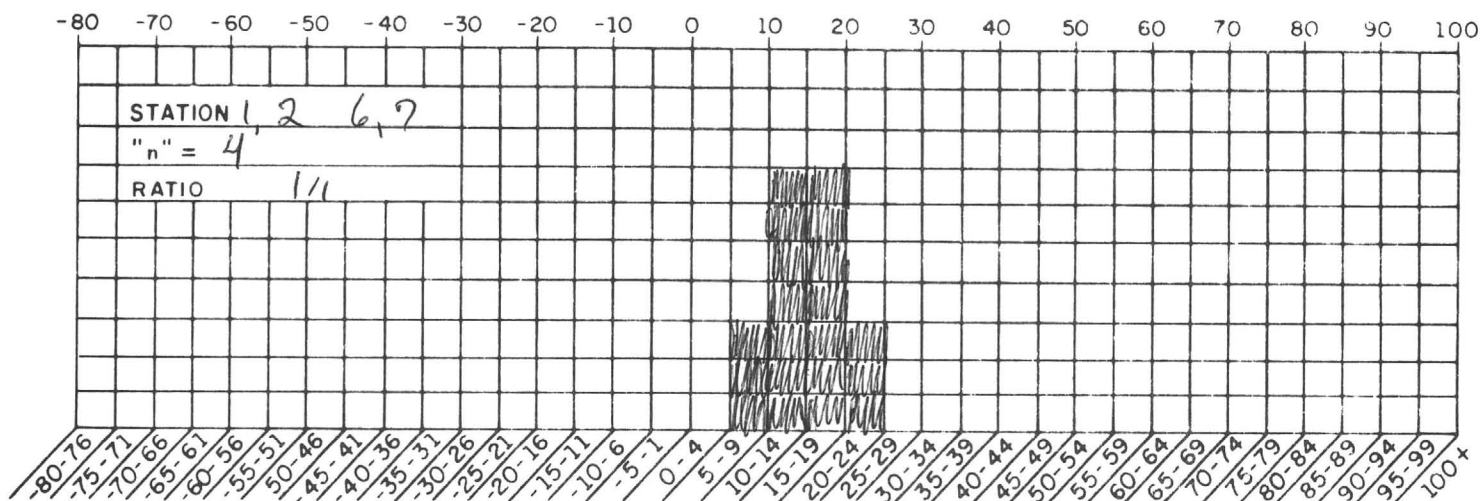
WIRE FENCE (WOOD POSTS) 200' EAST OF PARALLEL TO LINE BETWEEN C1 + C2

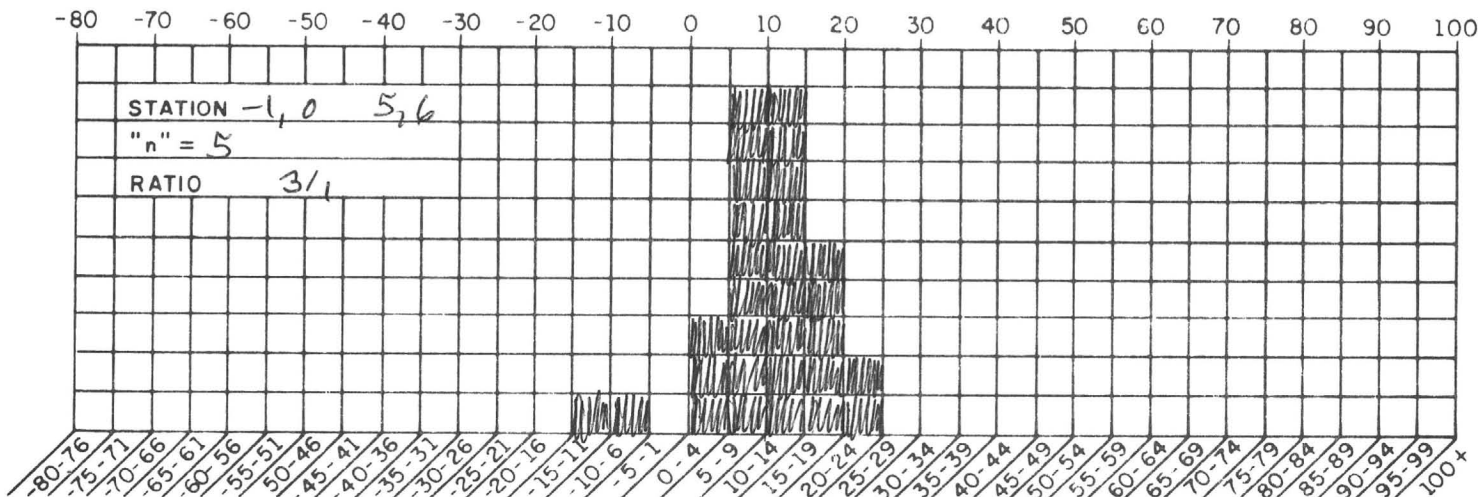
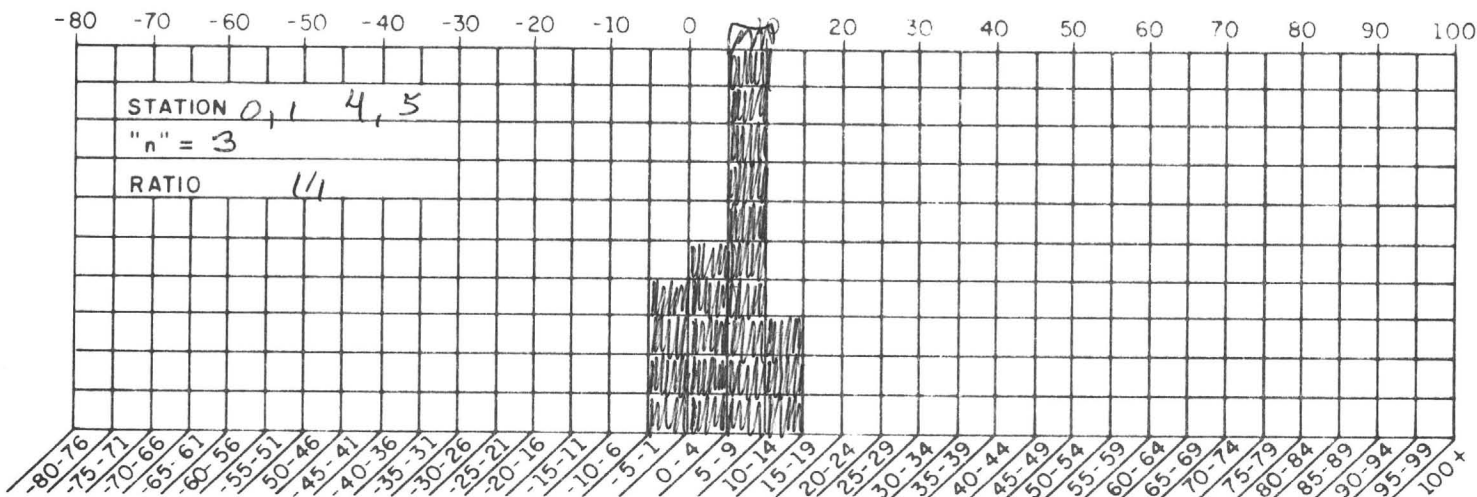
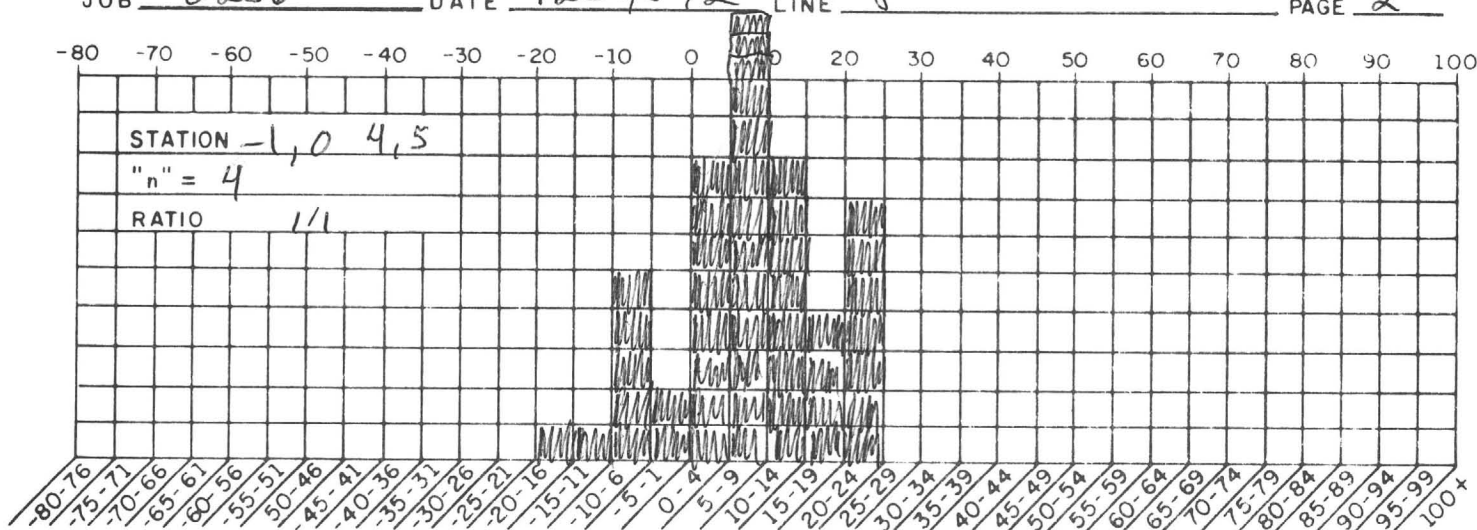
TIME DOMAIN INDUCED POLARIZATION AND RESISTIVITY SURVEY

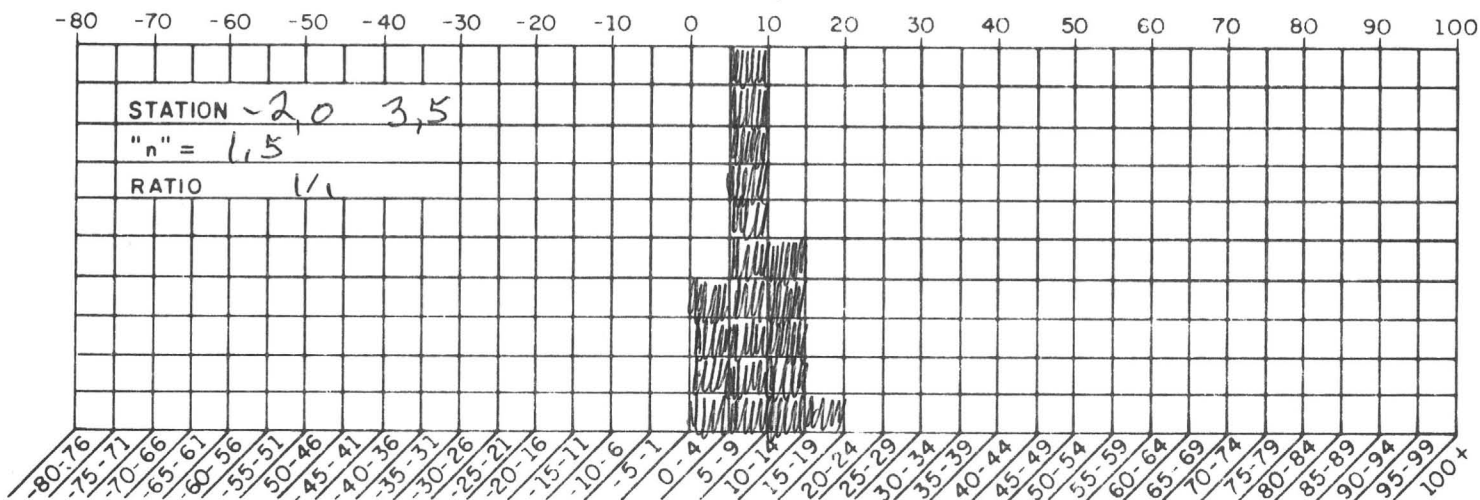
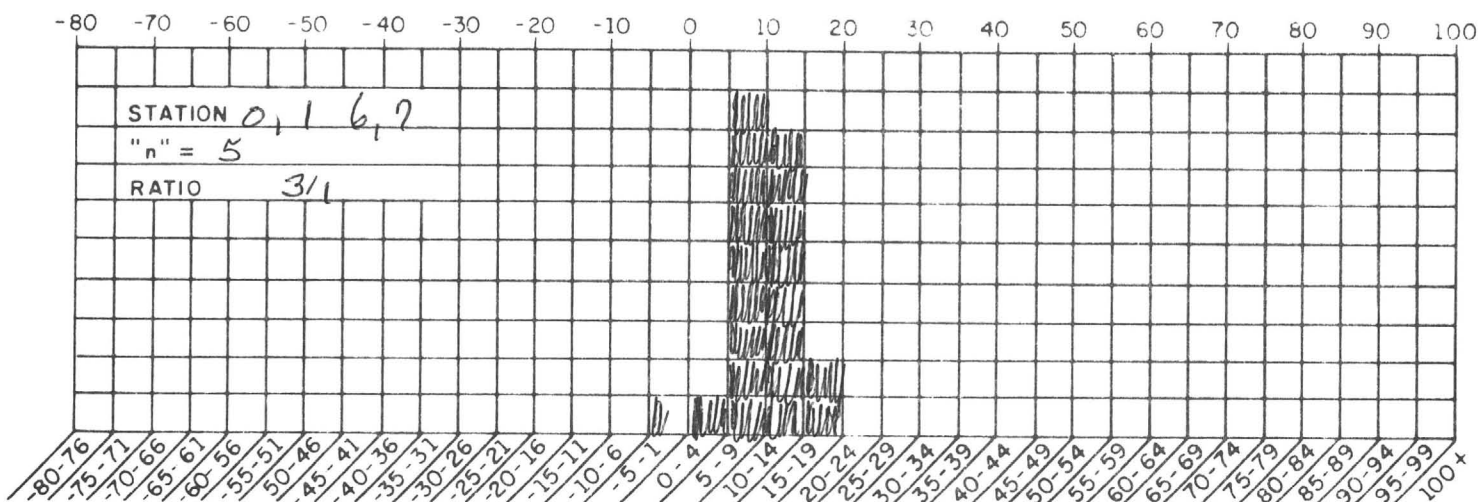
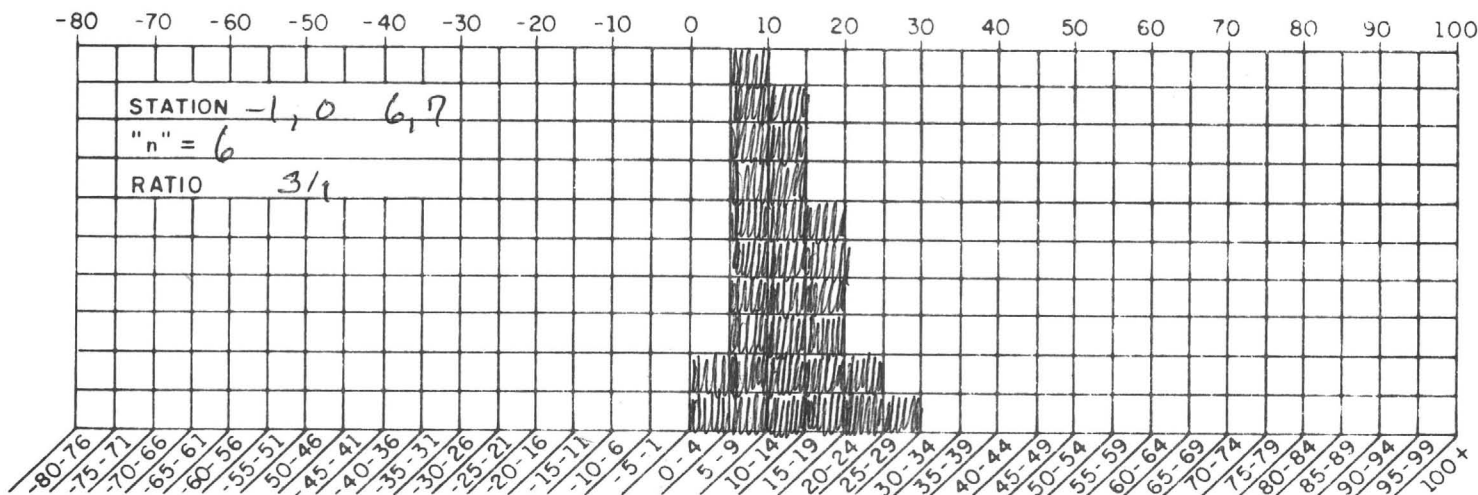
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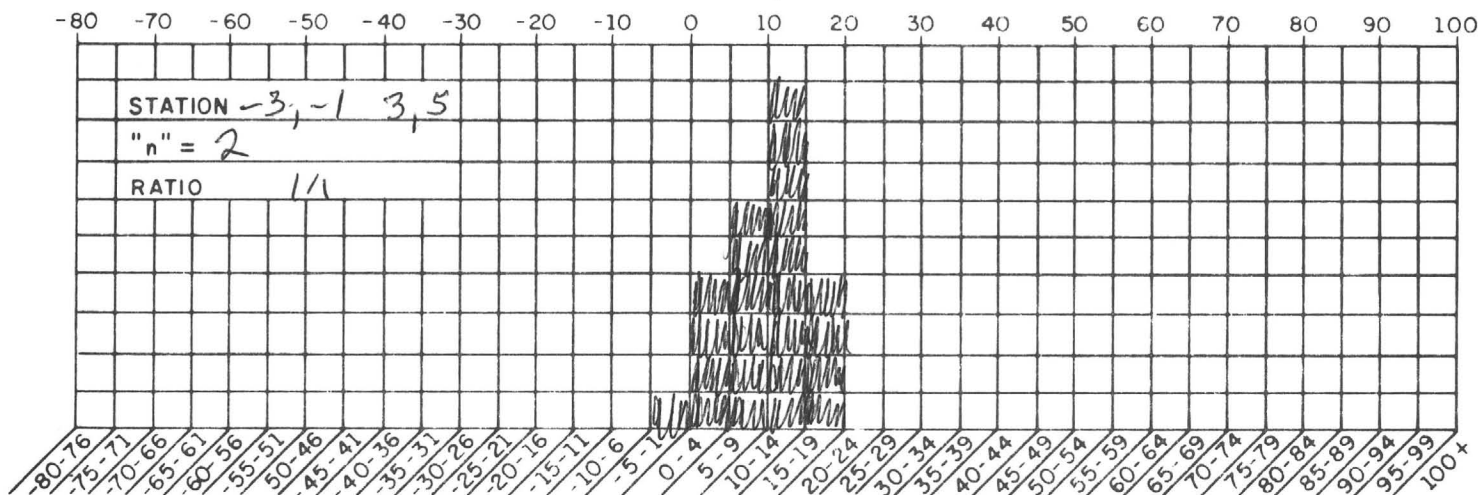
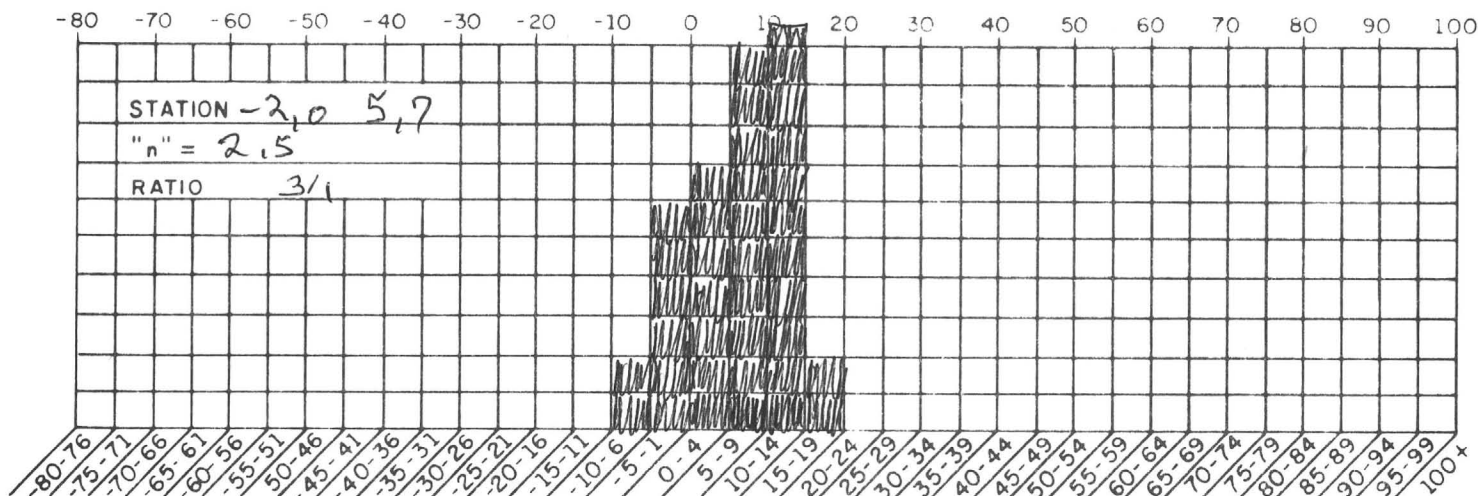
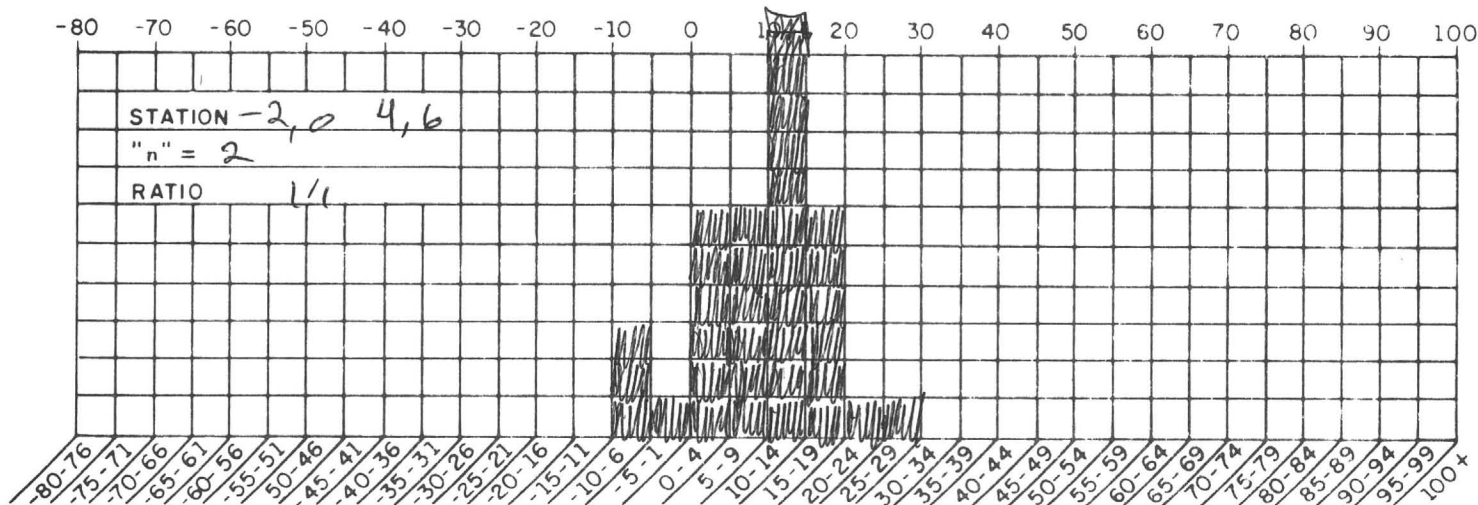
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|------|--|-----------|--|------|--|-----------------|--|---------|--|------|--|----------|--|----|--|
| LINE | | DIRECTION | | DATE | | ELECTRODE ARRAY | | PROJECT | | UNIT | | OPERATOR | | RX | |
| LINE | | DIRECTION | | DATE | | ELECTRODE ARRAY | | PROJECT | | UNIT | | OPERATOR | | RX | |
| LINE | | DIRECTION | | DATE | | ELECTRODE ARRAY | | PROJECT | | UNIT | | OPERATOR | | RX | |
| LINE | | DIRECTION | | DATE | | ELECTRODE ARRAY | | PROJECT | | UNIT | | OPERATOR | | RX | |
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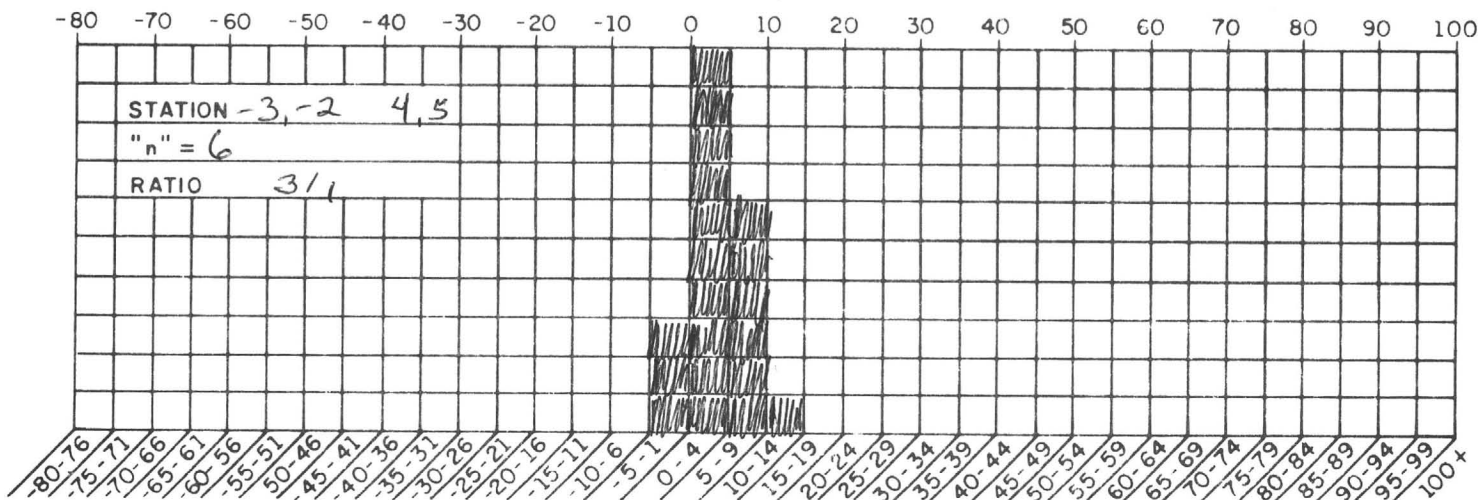
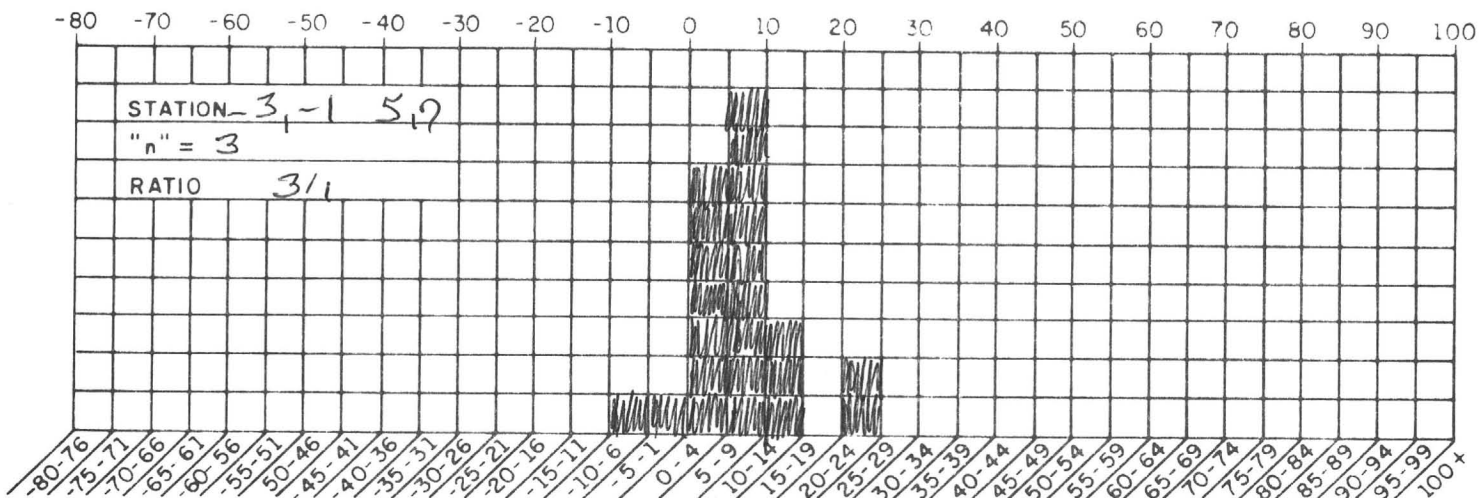
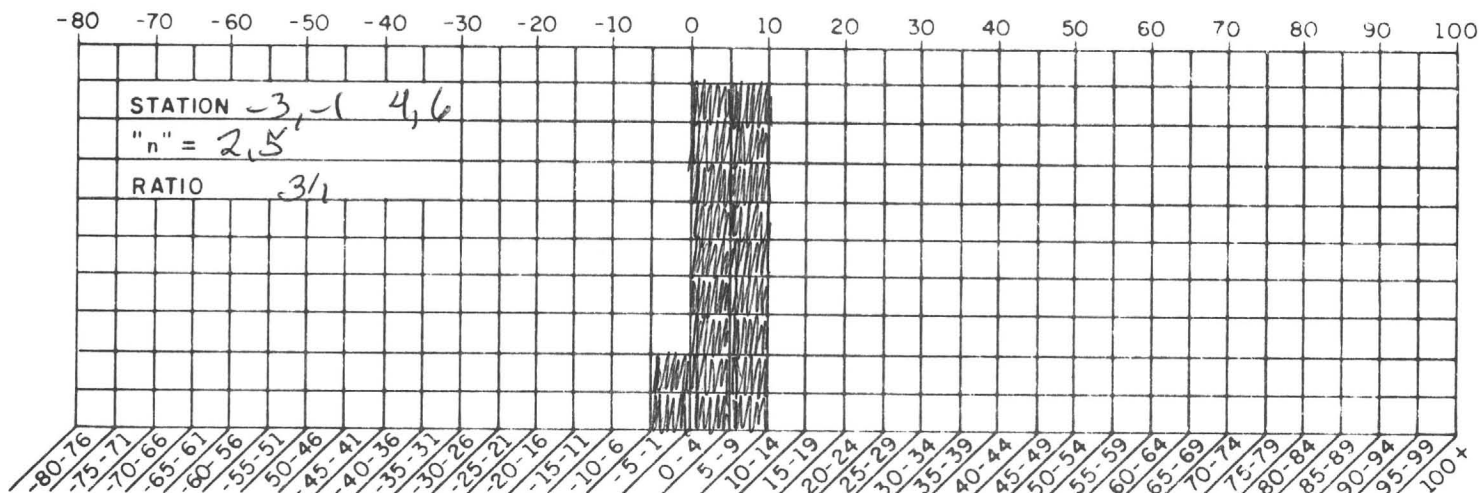
| LINE | | DIRECTION | | DATE | | ELECTRODE ARRAY | | PROJECT | | UNIT | | OPERATOR | | Rx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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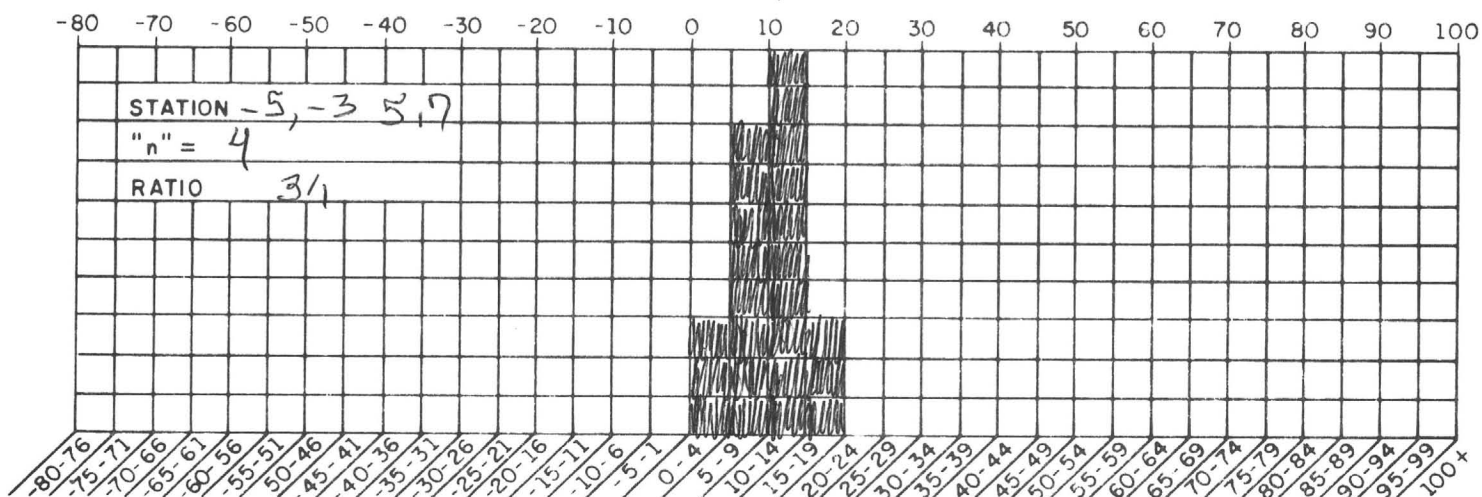
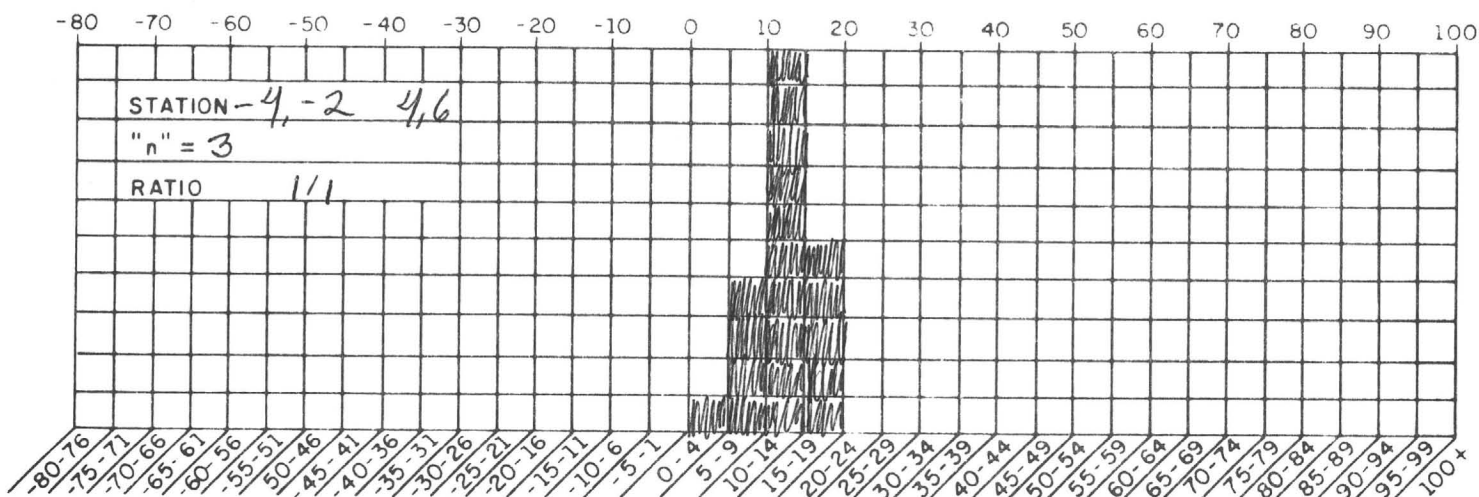
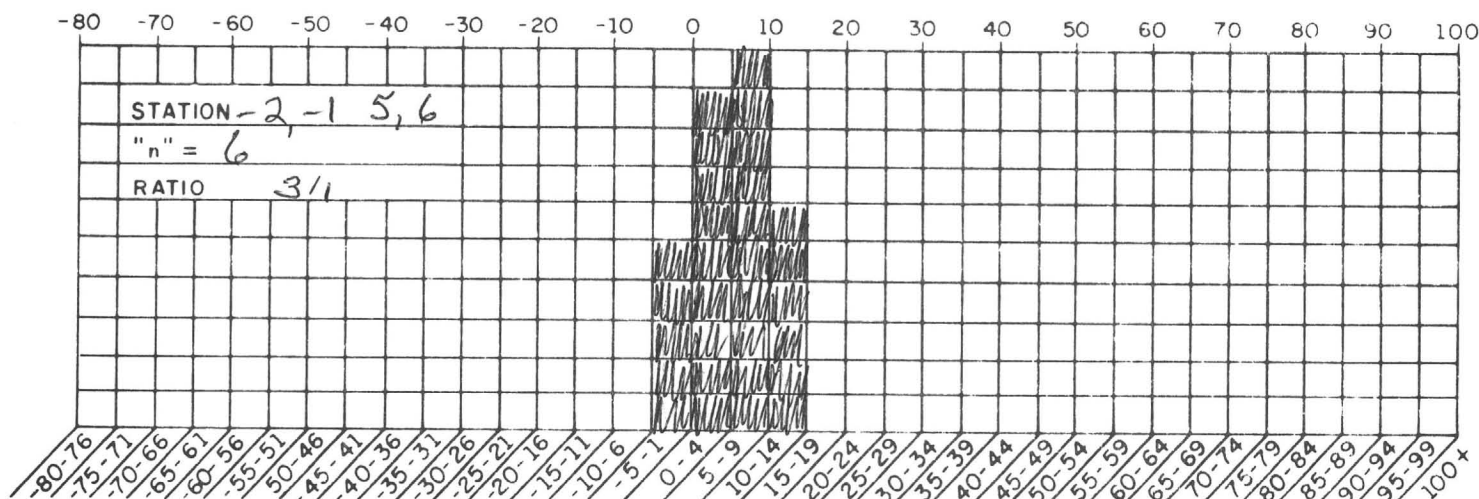


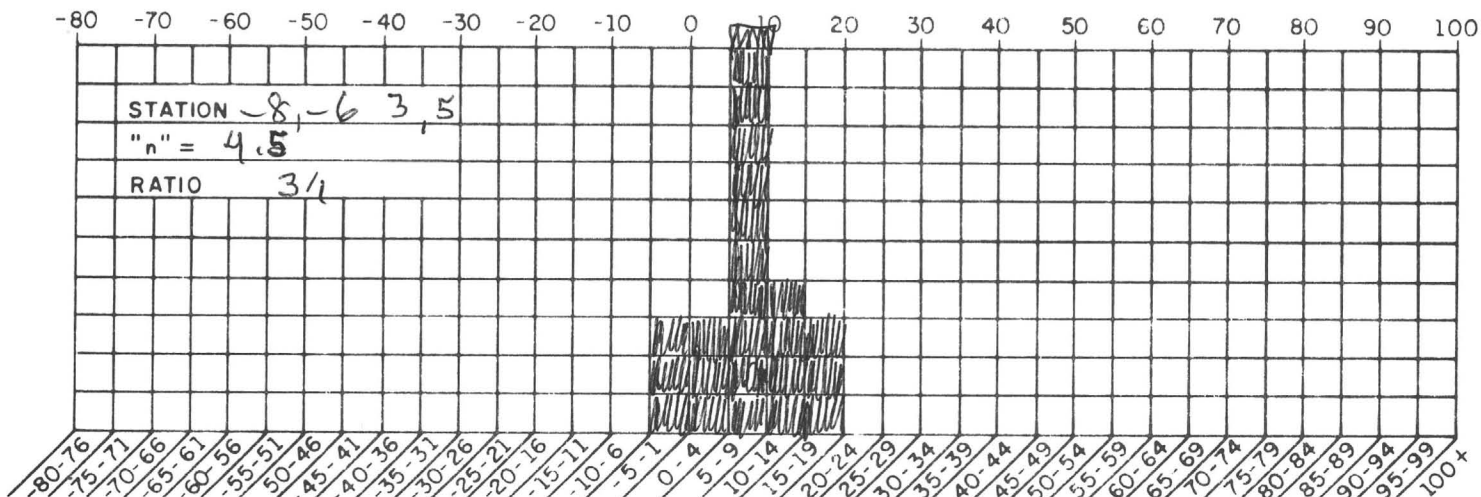
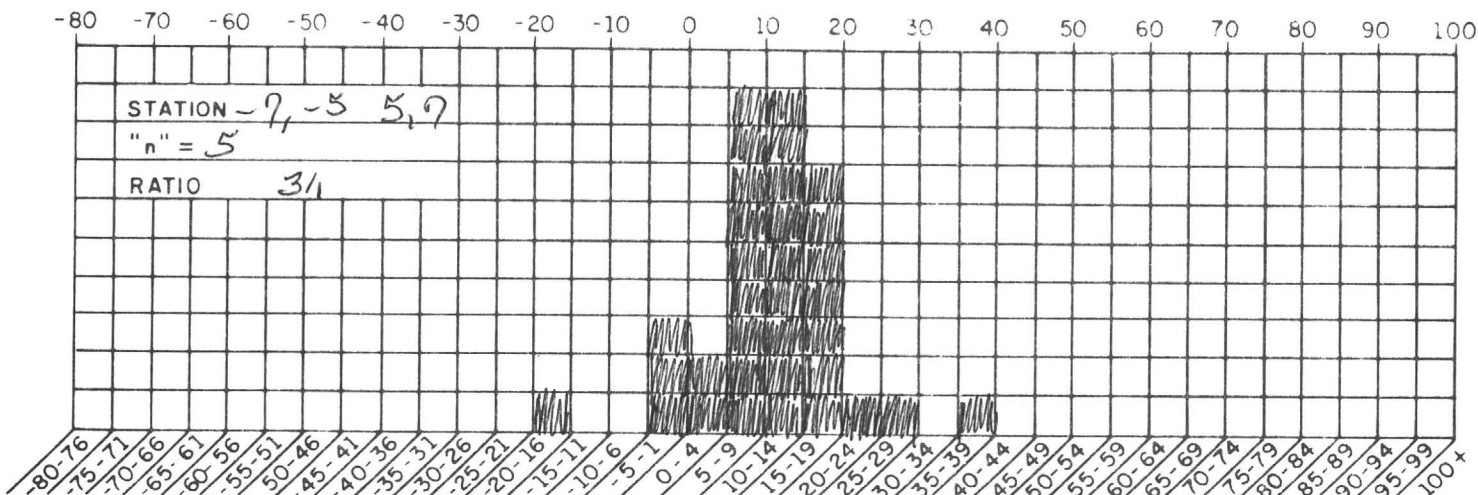
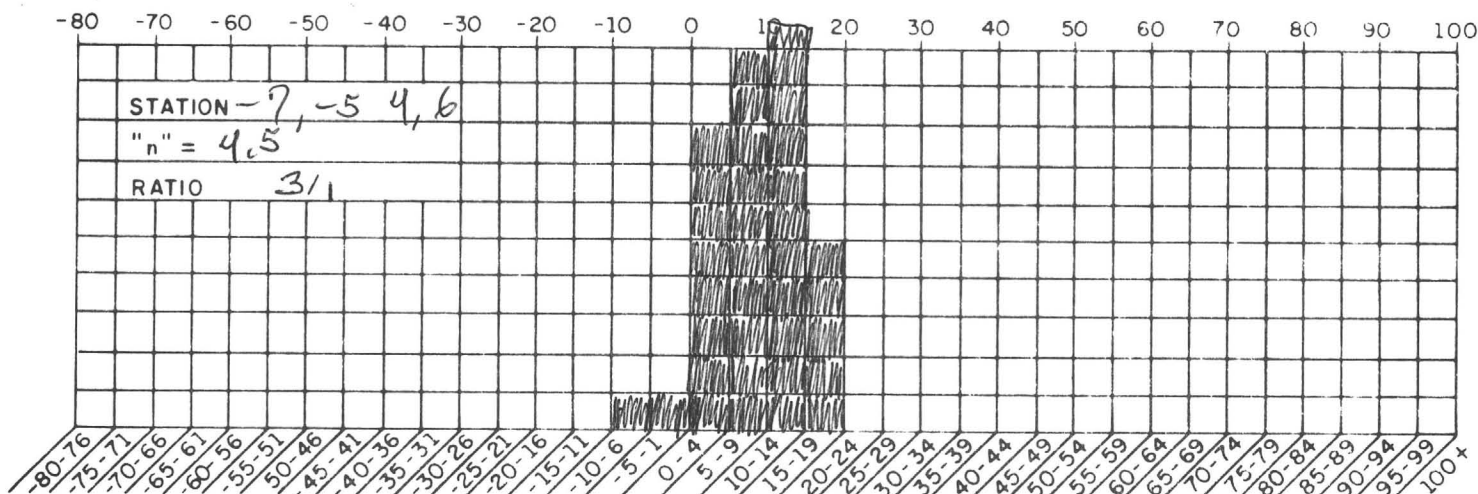


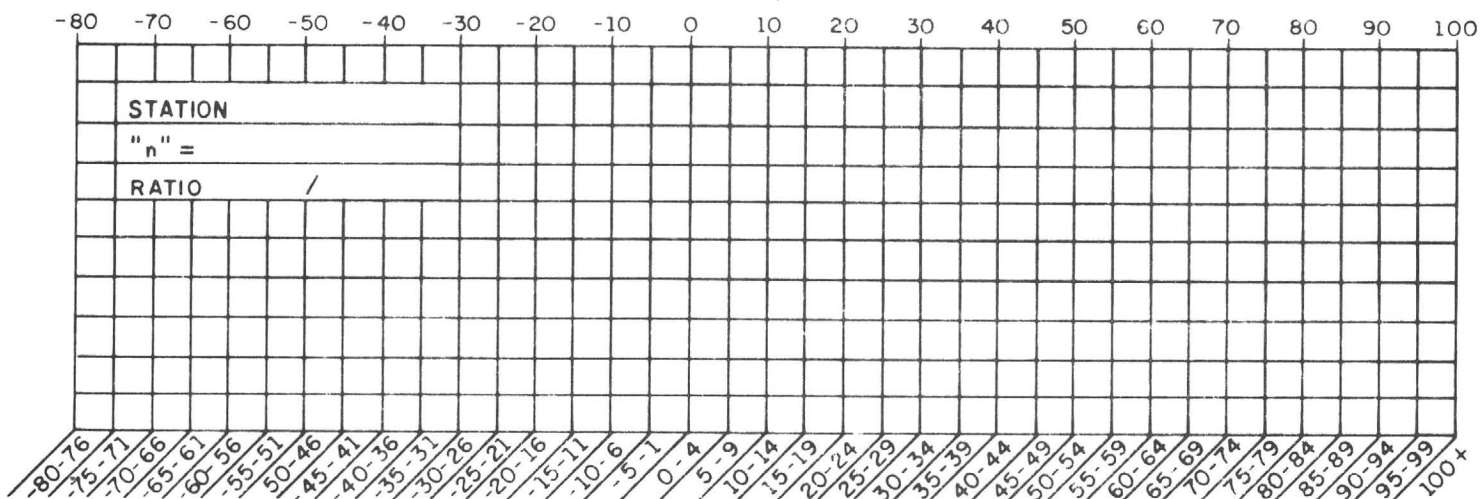
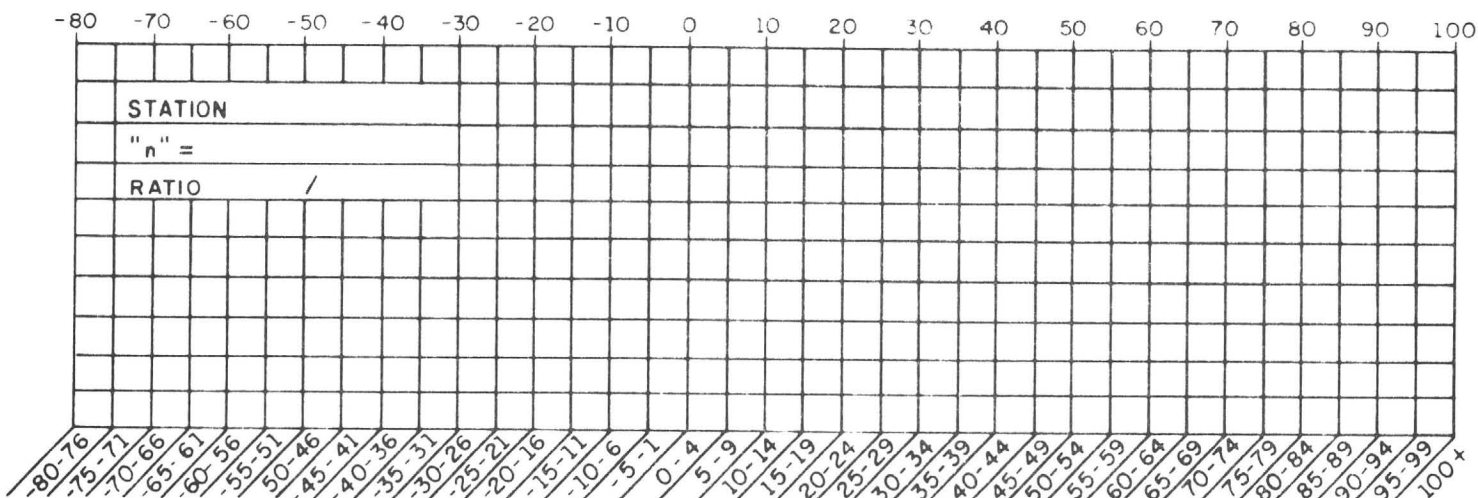
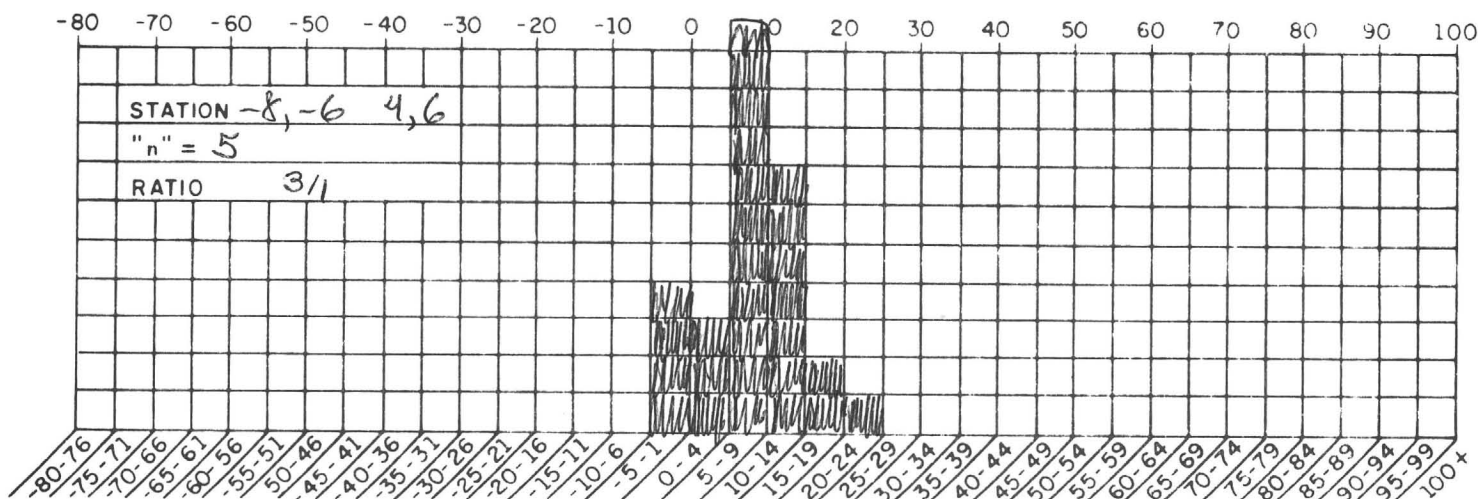












MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

LINE 8 SPAD 1 SOUTH $a=1000'$

| Project: | | Client: | Date: |
|---------------------------|-----|---------|----------|
| 0256 | | ESSEX | 72 8 72 |
| TIME | I | VA | COMMENTS |
| | 7.5 | | 3-4 |
| | 7.5 | | 4-5 |
| | 7.5 | | 5-6 |
| | 7.5 | | 6-7 |
| | | | |
| | 7.5 | | 1-2 |
| | 7.5 | | 2-3 |
| | 7.5 | | 3-4 |
| | 7.5 | | 4-5 |
| | 7.5 | | 5-6 |
| 11:04 | 7.5 | | 6-7 |
| | | | |
| 12:13 11:04 | 7.5 | | 1-B |
| | 7.5 | | 2-3 |
| | 7.5 | | 3-4 |
| | 7.5 | | 4-5 |
| | 7.5 | | 5-6 |
| | | | |
| | 7.5 | | 1-2 |
| | 7.5 | | 2-3 |
| | 7.5 | | 3-4 |
| | | | |
| | | | |

INDUCED POLARIZATION SURVEY

[illegible]

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

LINES SP01 SOUTH $\alpha = 2000'$

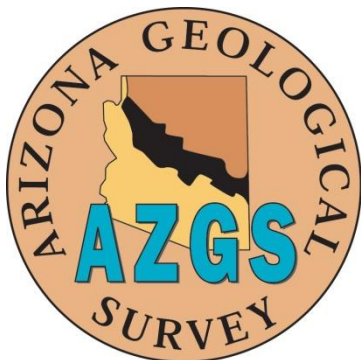
| Project: | Client: | Date: | |
|----------|---------|---------|-----------|
| 0256 | ESSEX | 12 8 72 | |
| TIME | I | VA | COMMENTS |
| | 7.5 | | 4-6 1/2 |
| | 7.5 | | 5-7 1' |
| | | | |
| | 7.5 | | 3-5 1/2 |
| | 7.5 | | 4-6 1 |
| | 7.5 | | 5-7 1 1/2 |
| | | | |
| | 7.5 | | 2-4 1/2 |
| | 7.5 | | 3-5 1 |
| | 7.5 | | 4-6 1 1/2 |
| 11:04 | 7.5 | | 5-7 2 |
| | | | |
| 11:20 | 7.5 | | 1-3 1/2 |
| 11:23 | 7.5 | | 2-4 1 |
| | 7.5 | | 3-5 1 1/2 |
| 11:29 | 7.5 | | 4-6 2 |
| 11:35 | 7.5 | | 5-7 2 1/2 |
| 11:42 | | | |
| 11:53 | 7.5 | | 1-3 1 |
| 11:56 | 7.5 | | 2-4 1 1/2 |
| 11:59 | 7.5 | | 3-5 2 |
| 12:04 | 7.5 | | 4-6 2 1/2 |
| 12:08 | 7.5 | | 5-7 3 |

12:13

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

| Project: | | Client: | | Date: |
|----------|-----|---------|----------|-------|
| TIME | I | VA | COMMENTS | |
| 13:11 | 7.5 | | 1-3 | 1½ |
| 13:14 | 7.5 | | 2-4 | |
| 13:18 | 7.5 | | 3-5 | |
| | 7.5 | | 4-6 | |
| | 7.5 | | 5-7 | 3½ |
| 13:33 | | | | |
| 13:43 | 7.5 | | 1-3 | 2 |
| 13:46 | 7.5 | | 2-4 | |
| | 7.5 | | 3-5 | |
| 13:50 | 7.5 | | 4-6 | |
| 13:52 | 7.5 | | 5-7 | 4 |
| | | | | |
| | 7.5 | | 1-3 | 2½ |
| | 7.5 | | 2-4 | |
| | 7.5 | | 3-5 | |
| | 7.5 | | 4-6 | |
| | 7.5 | | 5-7 | 4½ |
| | | | | |
| | 7.5 | | 1-3 | 3 |
| | 7.5 | | 2-4 | |
| | 7.5 | | 3-5 | |
| | 7.5 | | 4-6 | |
| | 7.5 | | 5-7 | 5 |



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| I | LINE | DIRECTION | " " | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | Rx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| T | Rx | Tx | n | RANGE | MULT | CURRENT | f _o | m ¹ / _s | HZ | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG |

[illegible]

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| I | | LINE | DIRECTION | "d" space | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | Rx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | LINE 5 | SPD 2 | 50 | OUTHEAST | | | | 9 | Z | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

L-5 #2 SE

| Project: | | Client: | Date: |
|-----------------|-----|-----------------------|------------|
| 0237 | | ESSEX INT. | 9/2/72 |
| TIME a=1000 | I | μ μ=200 | I COMMENTS |
| -1-0 | 6.1 | -3-1 | 7.3 |
| -2-1 | 7.1 | -4-2 | 6.7 |
| -3-2 | 7.4 | | |
| -4-3 | 6.9 | | |
| 0-0 | 7.0 | -2-0 | 7.2 |
| -1-0 | 6.7 | -3-1 | 7.1 |
| -2-1 | 7.2 | -4-2 | 6.6 |
| -3-2 | 7.4 | | |
| -4-3 | 6.8 | | |
| 1-2 | 6.6 | -1-1 | 7.3 |
| 0-1 | 7.0 | -2-0 | 7.2 |
| -1-0 | 6.7 | -3-1 | 7.3 |
| -2-1 | 7.1 | -4-2 | 6.6 |
| -3-2 | 7.4 | | |
| -4-3 | 6.8 | | |
| 1-2 | 6.8 | 0-2 | 6.2 |
| 0-1 | 7.1 | -1-1 | 7.0 |
| -1-0 | 6.8 | -2-0 | 7.0 |
| -2-1 | 7.1 | -3-1 | 7.1 |
| -3-2 | 7.4 | -4-2 | 6.7 |

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

| Project: | | Client: | | Date: |
|----------|---------|---------|----------------------|-------|
| TIME | I | VA | COMMENTS | |
| 1-2 | 7.0 | 0-2 | 6.4 | |
| 0-1 | 7.3 | -1-1 | 6.9 | |
| -1-0 | 7.0 | -2-0 | 7.0 | |
| -2-1 | 7.1 | -3-1 | 7.0 | |
| | | -4-2 | 5.8 | |
| | | | | |
| 1-2 | 7.0 | 0-2 | 6.0 | |
| 0-1 | 7.2 | -1-1 | 7.1 | |
| -1-0 | 7.0 | -2-0 | 7.0 | |
| | | -3-1 | 6.9 | |
| | | -4-2 | 4.9 | |
| | | | | |
| | | 0-2 | dropped 6.0 → 4.2 | |
| | | -1-1 | 7.0 | |
| | | -2-0 | 4.5 | |
| | | -3-1 | 7.2 | |
| | n=4 | -4-2 | 5.2 | |
| | | | | |
| | | 0-2 | 6.0 | |
| | | -1-1 | 7.2 | |
| | | 2-0 | 7.0 | |
| | | -3-1 | 7.0 | |
| | n=4 1/2 | -4-2 | 5.4 | |

INDUCED POLARIZATION SURVEY

$$2-5^{+2} S_{\text{E}}$$
[illegible]

[illegible]

| I | LINE | DIRECTION | "Q" SPACE | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | Rx |
|----|------|-----------|-----------|--------|-----------------|---------|------|----------|----|
| 1 | 3 | W | | 9/8/72 | | 0237 | | | 83 |
| 2 | 4 | W | | | | | | | |
| 3 | 5 | W | | | | | | | |
| 4 | 6 | W | | | | | | | |
| 5 | 7 | W | | | | | | | |
| 6 | 8 | W | | | | | | | |
| 7 | 9 | W | | | | | | | |
| 8 | 10 | W | | | | | | | |
| 9 | 11 | W | | | | | | | |
| 10 | 12 | W | | | | | | | |
| 11 | 13 | W | | | | | | | |
| 12 | 14 | W | | | | | | | |
| 13 | 15 | W | | | | | | | |
| 14 | 16 | W | | | | | | | |
| 15 | 17 | W | | | | | | | |
| 16 | 18 | W | | | | | | | |
| 17 | 19 | W | | | | | | | |
| 18 | 20 | W | | | | | | | |
| 19 | 21 | W | | | | | | | |
| 20 | 22 | W | | | | | | | |
| 21 | 23 | W | | | | | | | |
| 22 | 24 | W | | | | | | | |
| 23 | 25 | W | | | | | | | |
| 24 | 26 | W | | | | | | | |
| 25 | 27 | W | | | | | | | |
| 26 | 28 | W | | | | | | | |
| 27 | 29 | W | | | | | | | |
| 28 | 30 | W | | | | | | | |
| 29 | 31 | W | | | | | | | |
| 30 | 32 | W | | | | | | | |
| 31 | 33 | W | | | | | | | |
| 32 | 34 | W | | | | | | | |
| 33 | 35 | W | | | | | | | |
| 34 | 36 | W | | | | | | | |
| 35 | 37 | W | | | | | | | |
| 36 | 38 | W | | | | | | | |
| 37 | 39 | W | | | | | | | |
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| 39 | 41 | W | | | | | | | |
| 40 | 42 | W | | | | | | | |
| 41 | 43 | W | | | | | | | |
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| 70 | 72 | W | | | | | | | |
| 71 | 73 | W | | | | | | | |
| 72 | 74 | W | | | | | | | |
| 73 | 75 | W | | | | | | | |
| 74 | 76 | W | | | | | | | |
| 75 | 77 | W | | | | | | | |
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| 10 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 11 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 13 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 14 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 15 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 16 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 17 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 18 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 19 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
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| 22 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
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| 32 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 33 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 34 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 35 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 36 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 37 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 38 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 39 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 40 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 41 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 42 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 43 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
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| 72 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 73 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 74 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 75 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
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| 1 | LINE 13 SPD 1 | SOUTHEAST | 2000 | 9 11 72 | DIPOLE | DIPOLE | 0237 | | KNITMAN | 178 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME | Rx | Tx | n | RANGE | MULT | CURRENT | f ₀ | m ₀ /s | Mz | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG |

[illegible]

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

L-3#1 SE

| Project: | | Client: | | Date: |
|----------|-----|---------|----------|---------|
| 0237 | | Essex | | 9/11/72 |
| TIME | I | VA | COMMENTS | |
| | 7.5 | | 2 | 4 |
| | 7.3 | | 1 | 3 |
| | | | | |
| | 5.0 | | 5 | 3 |
| | 7.5 | | 2 | 4 |
| | 7.3 | | 1 | 3 |
| | | | | |
| | 7.4 | | 6 | 4 |
| | 5.0 | | 5 | 3 |
| | 7.5 | | 2 | 4 |
| | 7.3 | | 1 | 3 |
| | | | | |
| | 4.2 | | 7 | 5 |
| | 7.4 | | 4 | 6 |
| | 5.0 | | 3 | 5 |
| | 7.5 | | 2 | 4 |
| | 7.3 | | 1 | 3 |
| | | | | |
| | 4.2 | | 5 | 7 |
| | 7.4 | | 4 | 6 |
| | 5.0 | | 3 | 5 |
| | 7.5 | | 2 | 4 |
| | 7.3 | | 1 | 3 |

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

| | | |
|----------|---------|-------|
| Project: | Client: | Date: |
|----------|---------|-------|

| | TIME | I | VA | COMMENTS |
|--------------|----------------|------------|---|----------|
| <i>h</i> | <i>9/11/72</i> | | | |
| | <i>5-7</i> | <i>3.7</i> | | |
| | <i>4-6</i> | <i>7.0</i> | | |
| | <i>3-5</i> | <i>4.0</i> | | |
| | <i>2-4</i> | <i>7.0</i> | | |
| <i>3 1/2</i> | <i>1-3</i> | <i>6.0</i> | <i>electrode 1 dried out but was rewetted</i> | |
| | <i>5-7</i> | <i>3.6</i> | | |
| | <i>4-6</i> | <i>7.2</i> | | |
| | <i>3-5</i> | <i>4.0</i> | | |
| | <i>2-4</i> | <i>7.0</i> | | |
| <i>4</i> | <i>1-3</i> | <i>6.0</i> | | |
| | <i>5-7</i> | <i>3.6</i> | | |
| | <i>4-6</i> | <i>7.2</i> | | |
| | <i>3-5</i> | <i>3.8</i> | <i>electrode 5 dried out</i> | |
| | <i>2-4</i> | <i>7.1</i> | | |
| <i>4 1/2</i> | <i>1-3</i> | <i>6.5</i> | | |
| | <i>5-7</i> | <i>—</i> | | |
| | <i>4-6</i> | <i>7.3</i> | | |
| | <i>3-5</i> | <i>—</i> | | |
| | <i>2-4</i> | <i>7.2</i> | | |
| <i>5</i> | <i>1-3</i> | <i>6.5</i> | | |

[illegible]

28

| I | LINE | DIRECTION | SPACE | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | Rx |
|-----|------|-----------|-------|------|-----------------|---------|------|----------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 |
| 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 |
| 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 |
| 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 |
| 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 |
| 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 |
| 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 |
| 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 |
| 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 |
| 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 |
| 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 |
| 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 |
| 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 |
| 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 |
| 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 |
| 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 |
| 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 |
| 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 |
| 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 |
| 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 |
| 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 |
| 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 |
| 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 |
| 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 |
| 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 |
| 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 |
| 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 |
| 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 |
| 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 |
| 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 |
| 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 |
| 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 |
| 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 |
| 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 |
| 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 |
| 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 |
| 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 |
| 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 |
| 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 |
| 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 |
| 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 |
| 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 |
| 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 |
| 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 |
| 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 |
| 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 |
| 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 |
| 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 |
| 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 |
| 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 |
| 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 |
| 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 |
| 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 |
| 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 |
| 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 |
| 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 |
| 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 |
| 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 |
| 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 |
| 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 |
| 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 |
| 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 |
| 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 |
| 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 |
| 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 |
| 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 |
| 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 |
| 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 |
| 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 |
| 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 |
| 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 |
| 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 |
| 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 |
| 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 |
| 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 |
| 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 |
| 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 |
| 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 |
| 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 |
| 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 |
| 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 |
| 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 |
| 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 |
| 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 |
| 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 |
| 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 |
| 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 |
| 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 |
| 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |

3 5 pd 2 NW
28 34 2 40 36 43 -11 40 1 6 52 -5 10 -8 19 18 24
36 2-15 -2-12 44 0 18 1 36 19
-02-10 0 2 5 1.2 30 123

942

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

LINE 3 SPD 2 NW ROW

| Project: | Client: | Date: | |
|----------|---------|---------|-------------|
| 0237 | CSSEX | 9 12 72 | |
| TIME | I | VA | COMMENTS |
| | 7.5 | | -1 1 |
| | 7.5 | | 0 2 |
| | | | |
| | 7.5 | | -2 0 |
| | 7.5 | | -1 1 |
| | 7.5 | | 0 2 |
| | | | |
| | 7.5 | | -3 -1 |
| | 7.5 | | -2 0 |
| | 7.5 | | -1 1 |
| | 7.5 | | 0 2 |
| | | | |
| | 7.5 | | -4 -2 1/2 |
| | 7.5 | | -3 -1 1 |
| | 7.5 | | -2 0 1/2 |
| | 7.5 | | -1 1 2 |
| | 7.5 | | 0 2 2 1/2 |
| | | | |
| | 7.5 | | -4 -2 1 1/2 |
| | 7.5 | | -3 -1 1 1/2 |
| | 7.5 | | -2 0 2 |
| | 7.5 | | -1 1 2 1/2 |
| | 7.5 | | 0 2 3 |

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

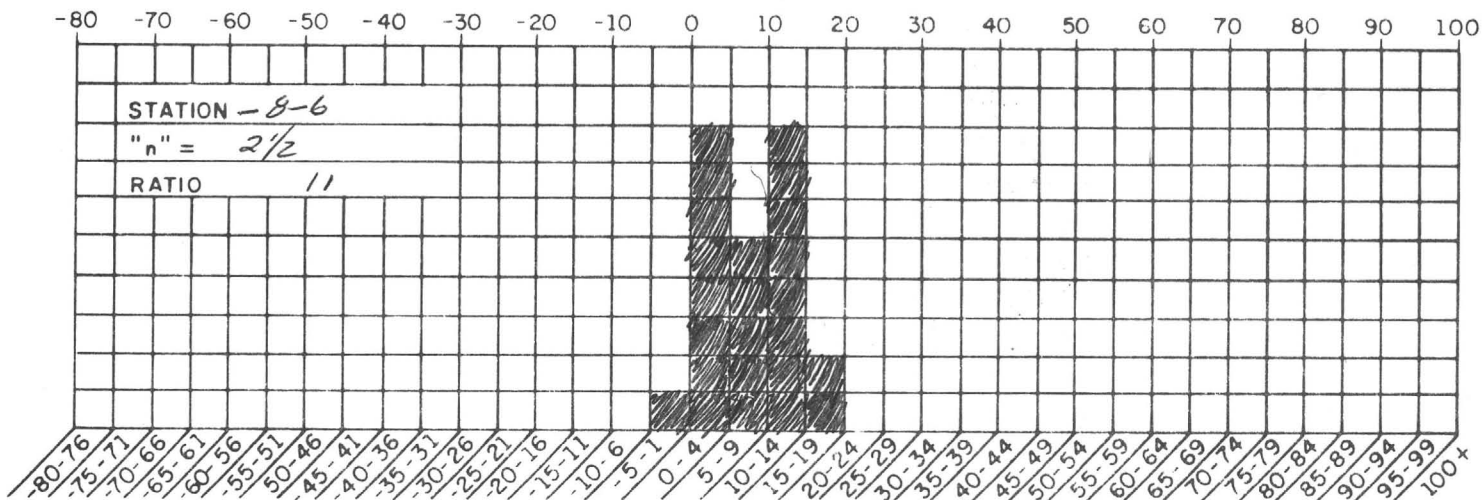
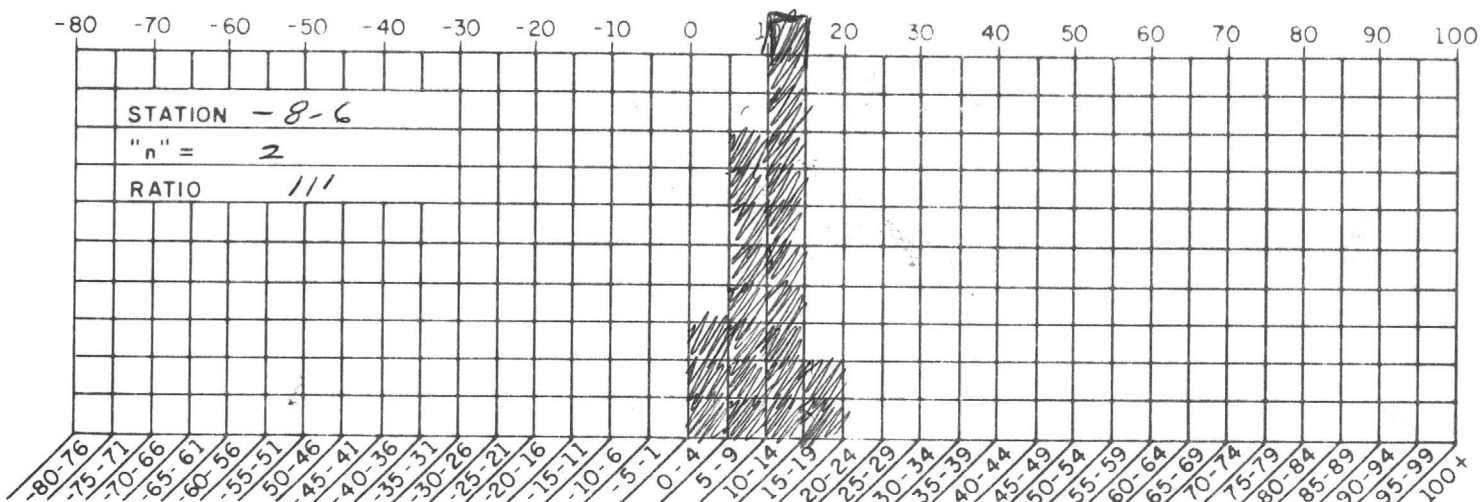
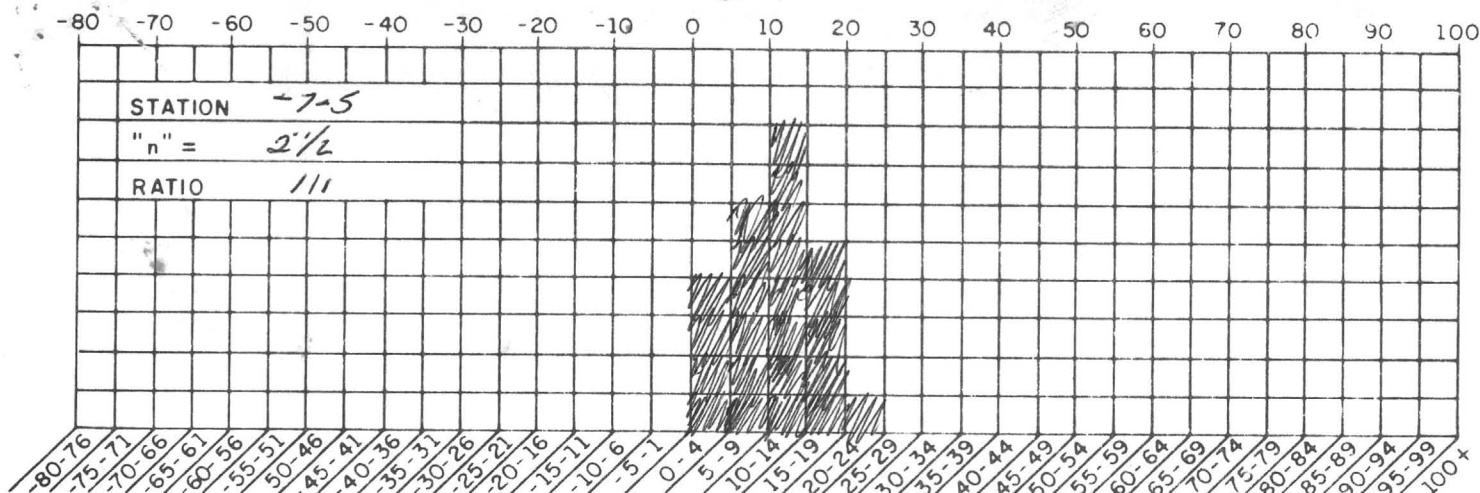
| Project: | | Client: | | Date: |
|----------|-----|---------|----------|-------|
| TIME | I | VA | COMMENTS | |
| | 7.5 | | -4 -2 1½ | |
| | 7.5 | | -3 -1 2 | |
| | 7.5 | | -2 0 2½ | |
| | 7.5 | | -1 1 3 | |
| | 7.5 | | 0 2 3½ | |
| | | | | |
| | 7.5 | | -4 -2 2 | |
| | 7.5 | | -3 -1 2½ | |
| | 7.5 | | -2 0 3 | |
| | 7.5 | | -1 1 3½ | |
| | 7.5 | | 0 2 4 | |
| | | | | |
| | 7.5 | | -4 -2 2½ | |
| | 7.5 | | -3 -1 3 | |
| | 7.5 | | -2 0 3½ | |
| | 7.5 | | -1 1 4 | |
| | 7.5 | | 0 2 4½ | |
| | | | | |
| | 7.5 | | -4 -2 3 | |
| | 7.5 | | -3 -1 3½ | |
| | 7.5 | | -2 0 4 | |
| | 7.5 | | -1 1 4½ | |
| | 7.5 | | 0 2 5 | |

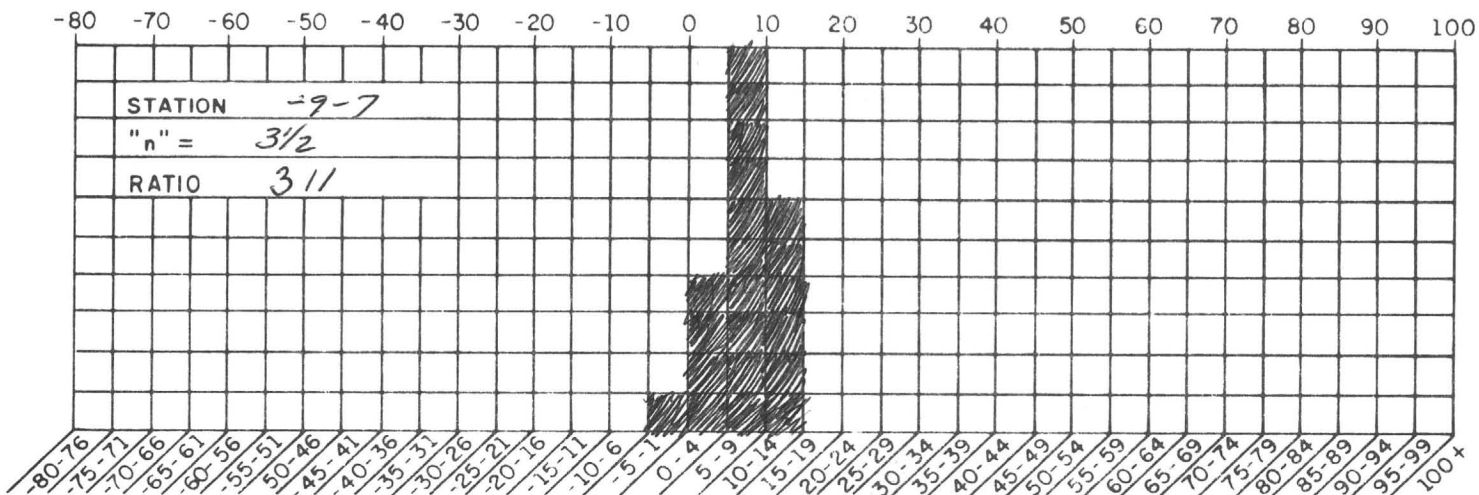
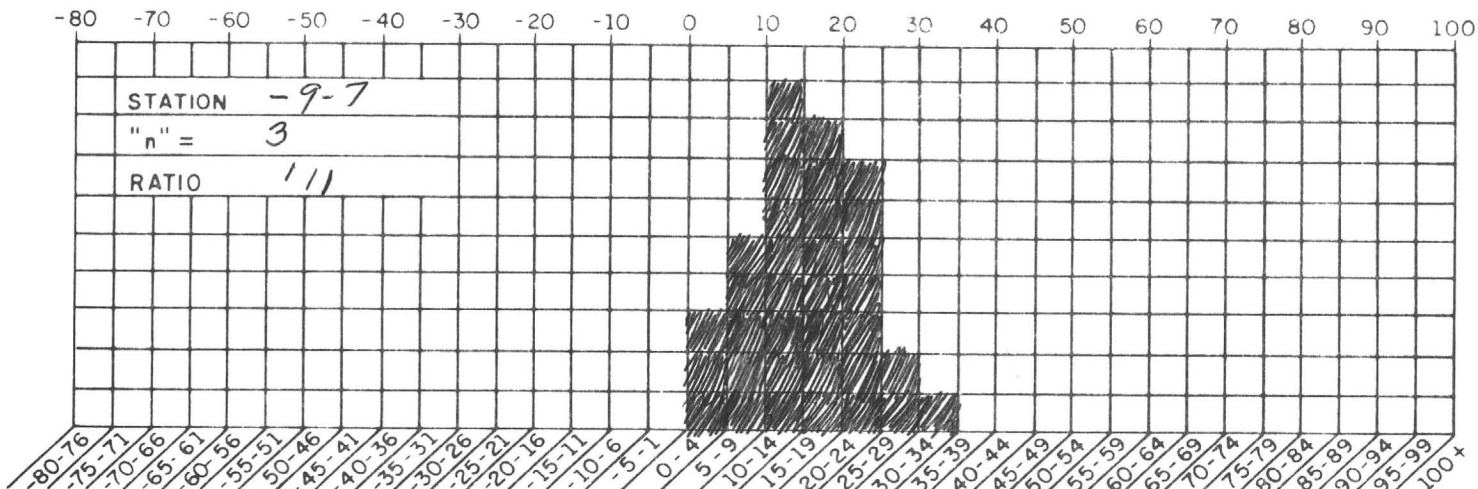
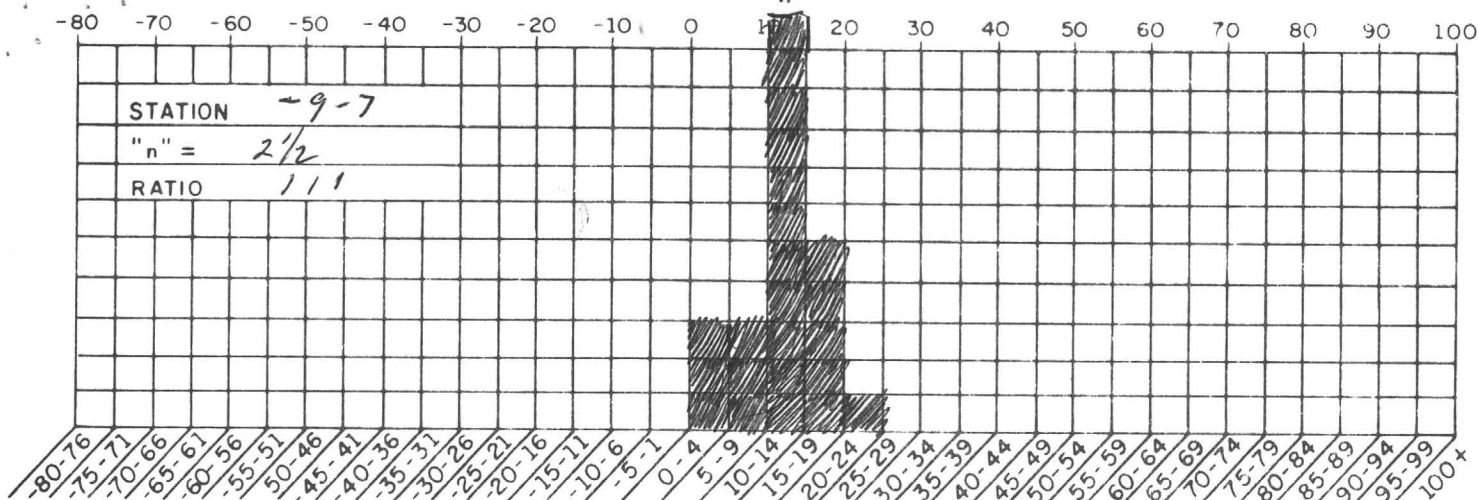
11 = 7
8
9
10
11
12
13

| LINE | DIRECTION | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | RX |
|------|--------------|------|-----------------|---------|------|----------|----|
| 1 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 2 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 3 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 4 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 5 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 6 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 7 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 8 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 9 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 10 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 11 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 12 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 13 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 14 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 15 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 16 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 17 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 18 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 19 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 20 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 21 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 22 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 23 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 24 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 25 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 26 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 27 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 28 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 29 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 30 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 31 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 32 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 33 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 34 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 35 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 36 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 37 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 38 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 39 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 40 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 41 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 42 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 43 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 44 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 45 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 46 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 47 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | 10 |
| 48 | LINE 3 SPD 2 | 2000 | 9 12 72 | 1/10 | 10 | 10 | |

| I | LINE | | | | | | | | | | | DIRECTION | | SPACE | DATE | | ELECTRODE ARRAY | | PROJECT | UNIT | OPERATOR | RX |
|------|------|----|----|----|-------|------|---------|----|----|-----|-----|-----------|-----|-------|------|-----|-----------------|-----|---------|------|----------|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | 14 | 15 | 16 | 17 | | | | |
| TIME | T | Rx | Tx | n | RANGE | MULT | CURRENT | So | Hz | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG | RDG |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
| 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
| 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
| 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 |
| 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |
| 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 |
| 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |
| 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 |
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
| 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |
| 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 |
| 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
| 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 |
| 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 |
| 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 |
| 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 |
| 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 |
| 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 |
| 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
| 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 |
| 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 |
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |

| I | LINE | DIRECTION | θ | SPACE | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | Rx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------|-----------|----------|-------|-------|-----------------|---------|--------|---------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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JOB

0237

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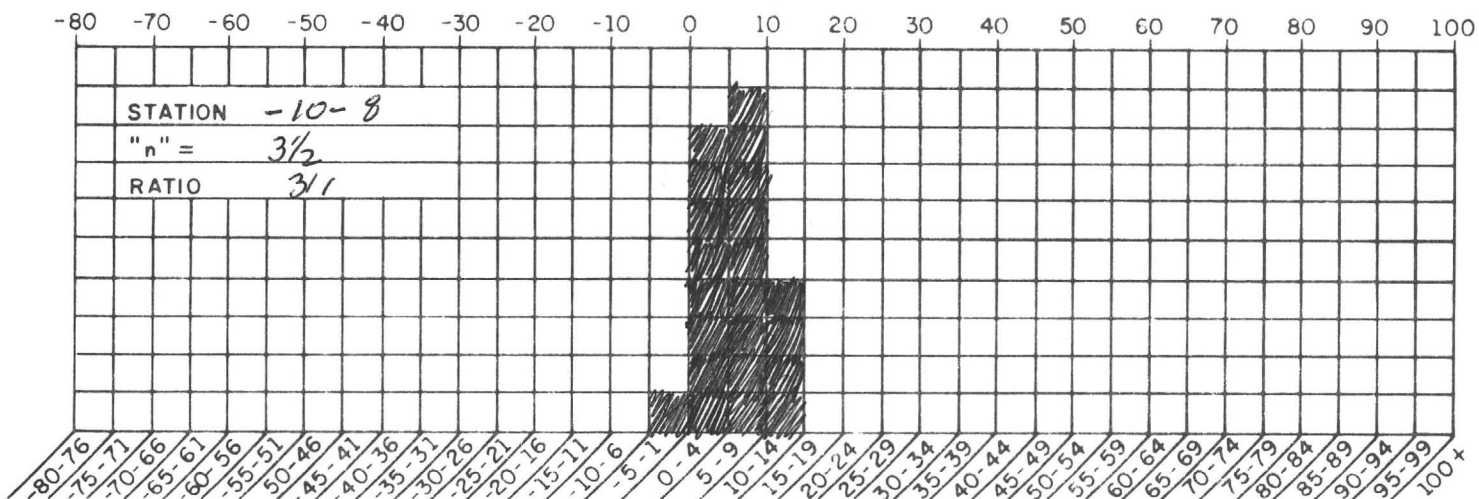
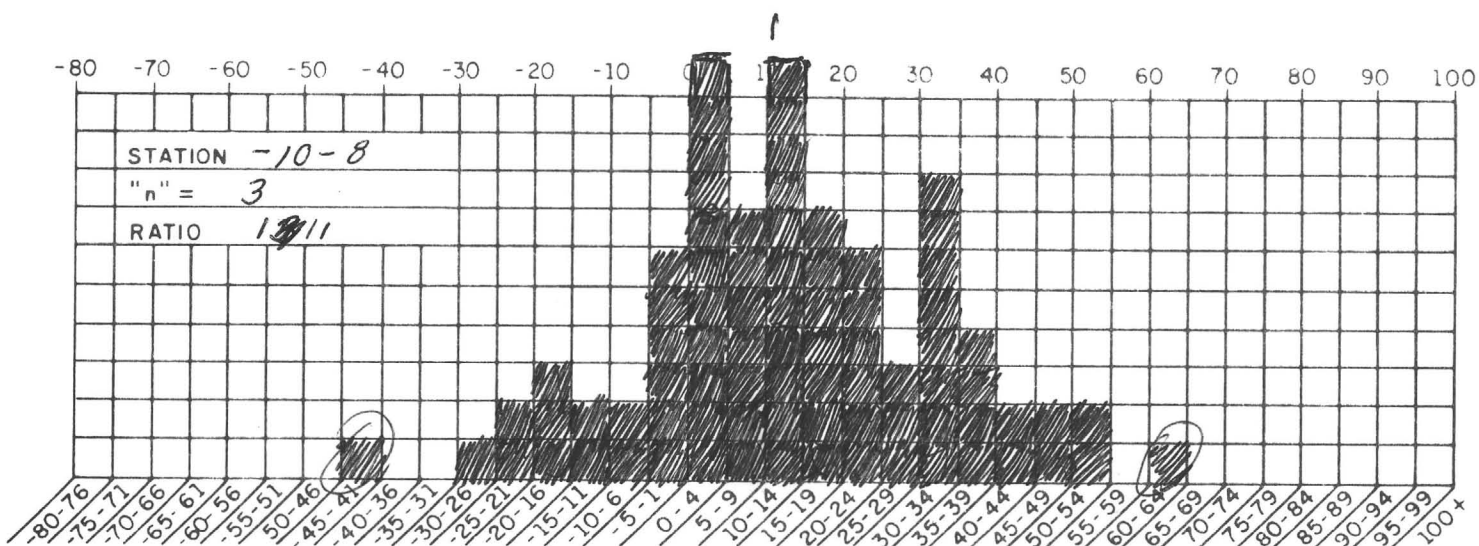
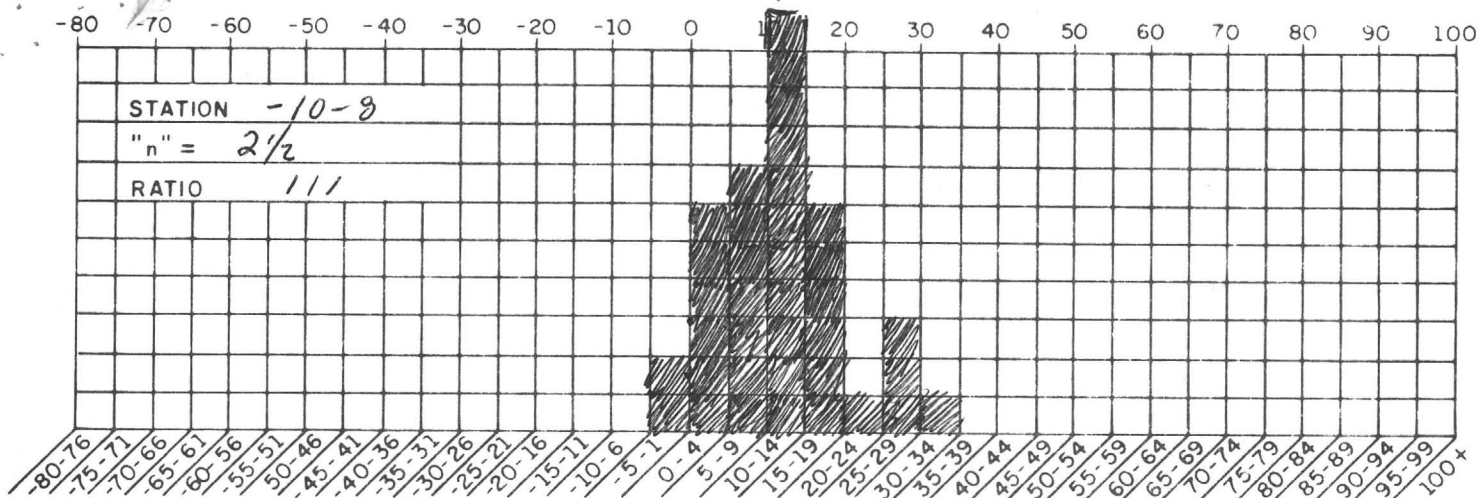
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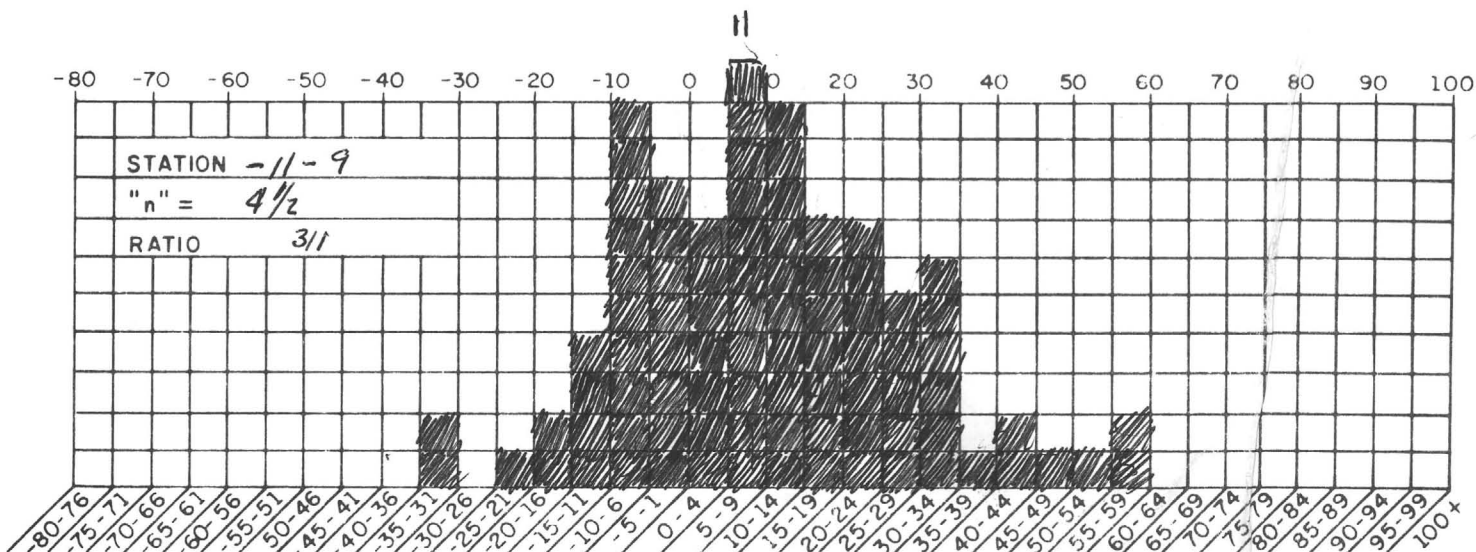
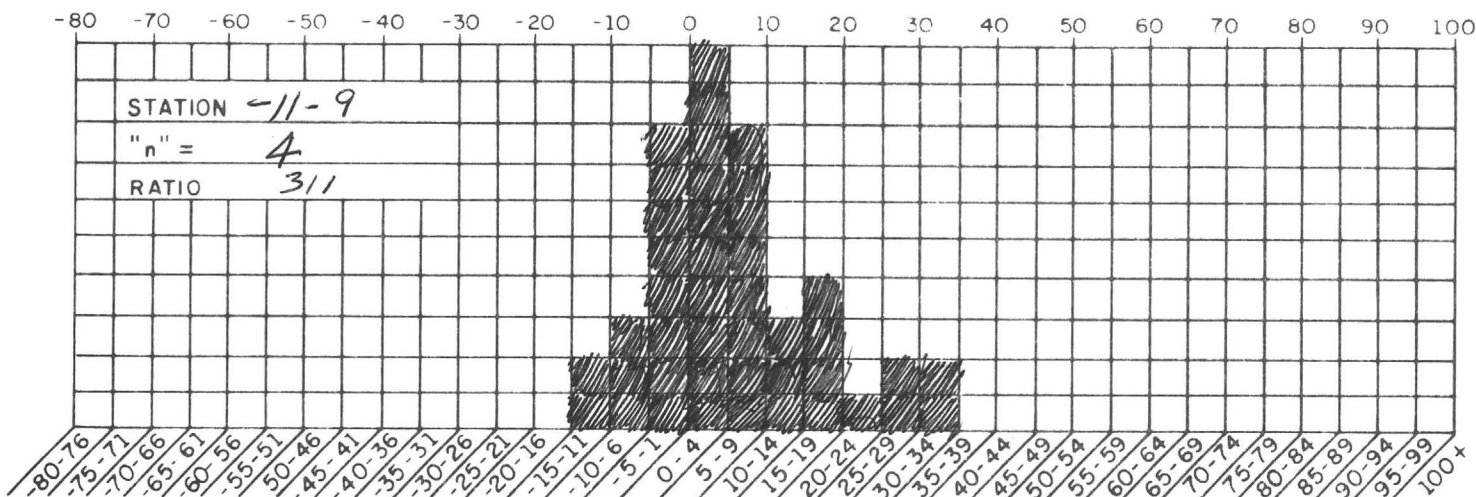
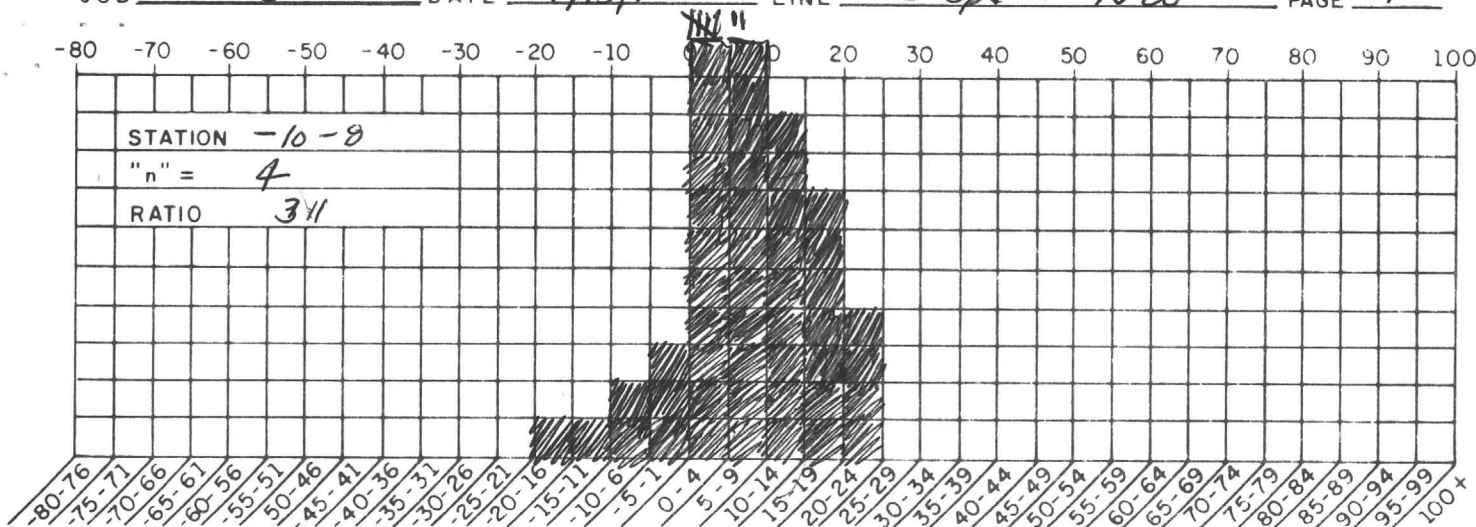
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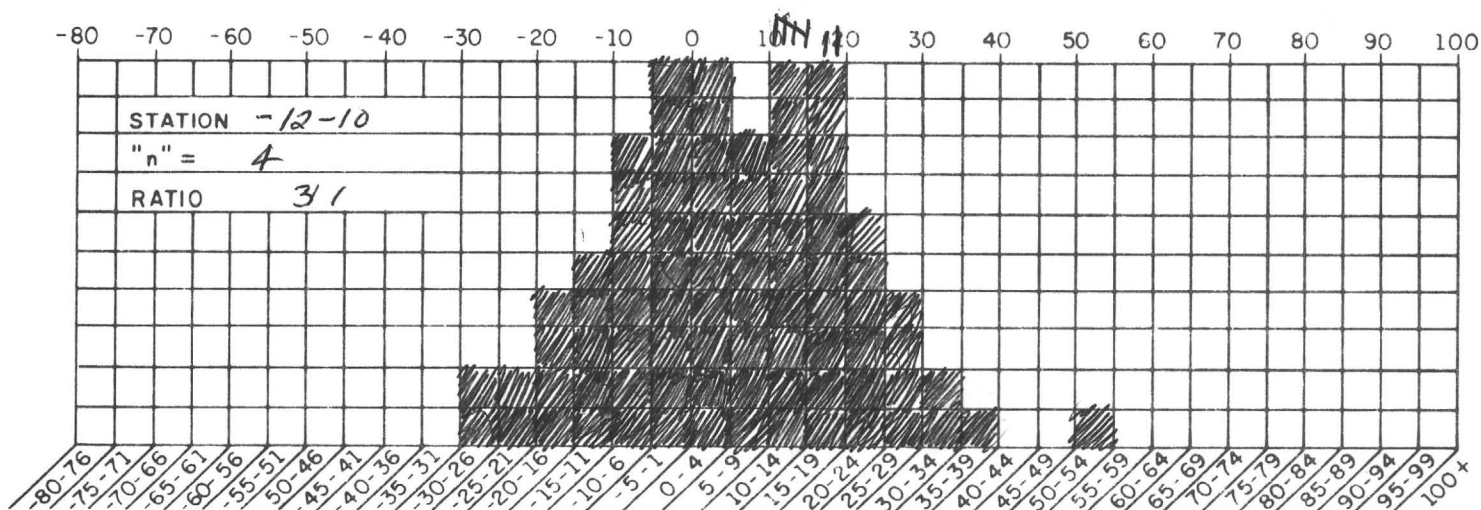
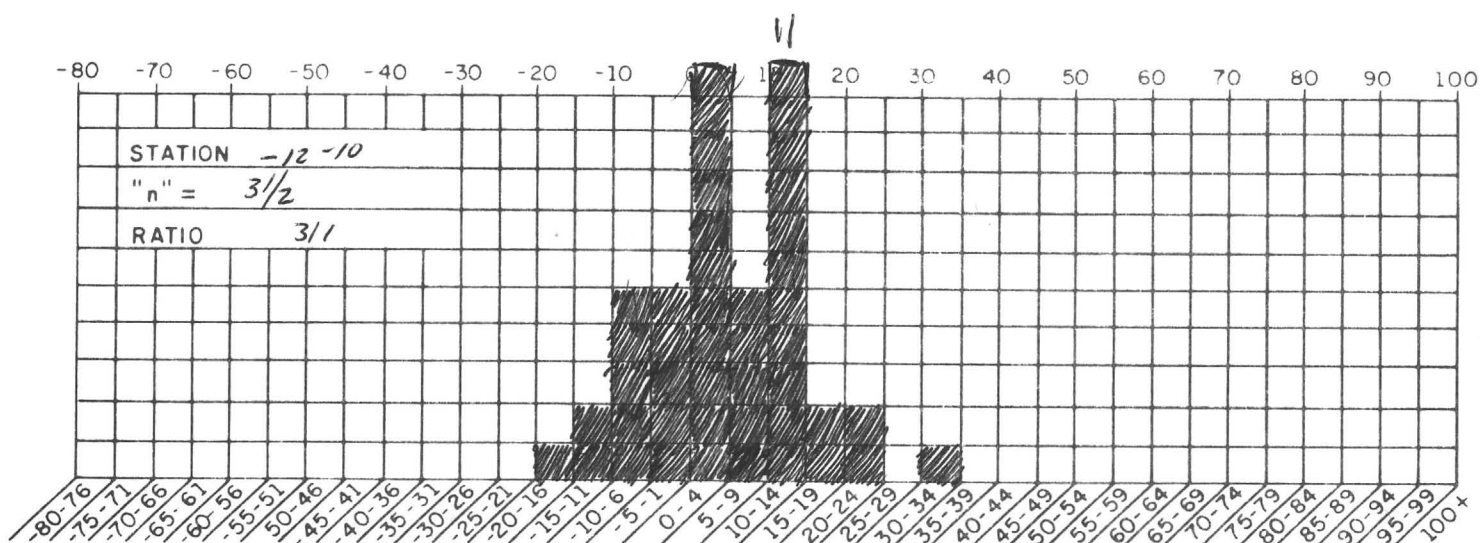
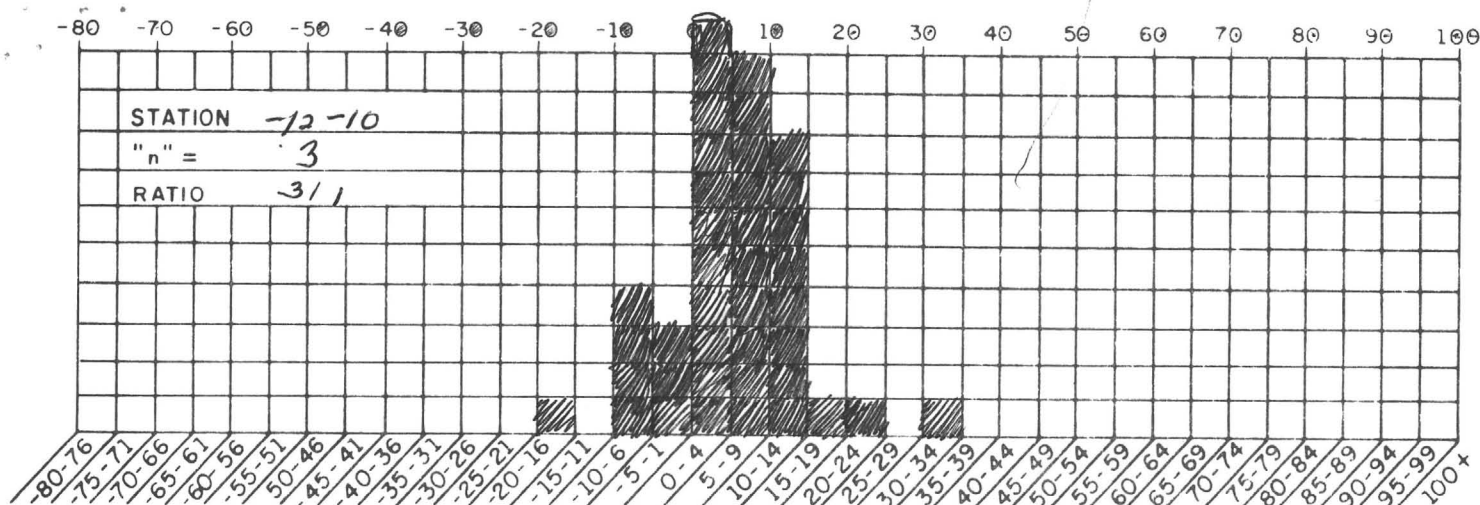
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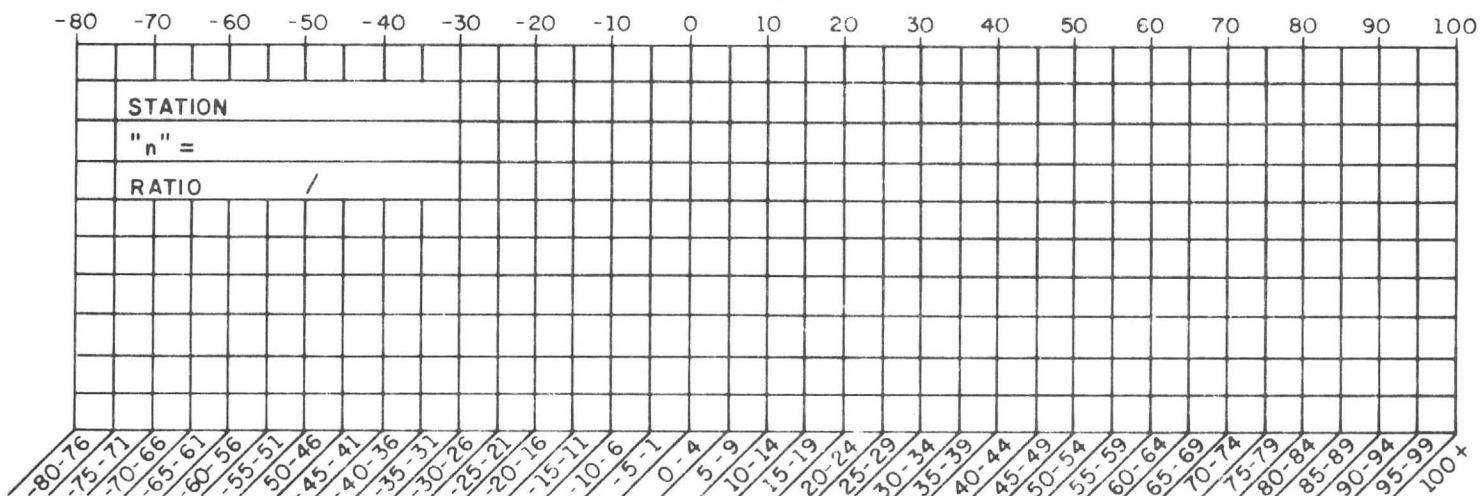
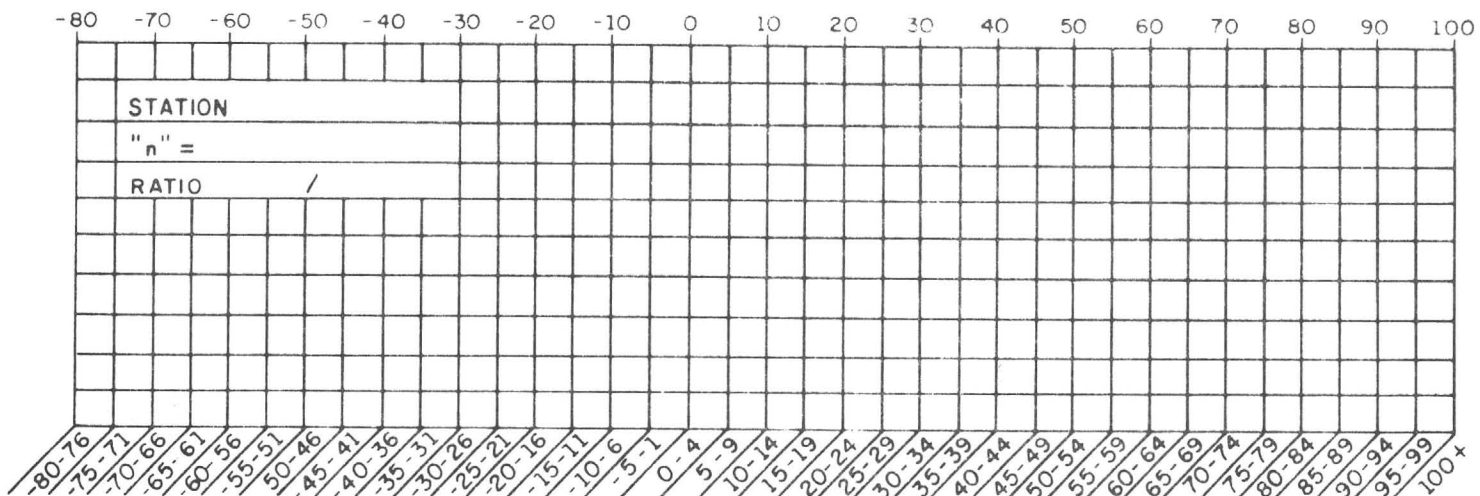
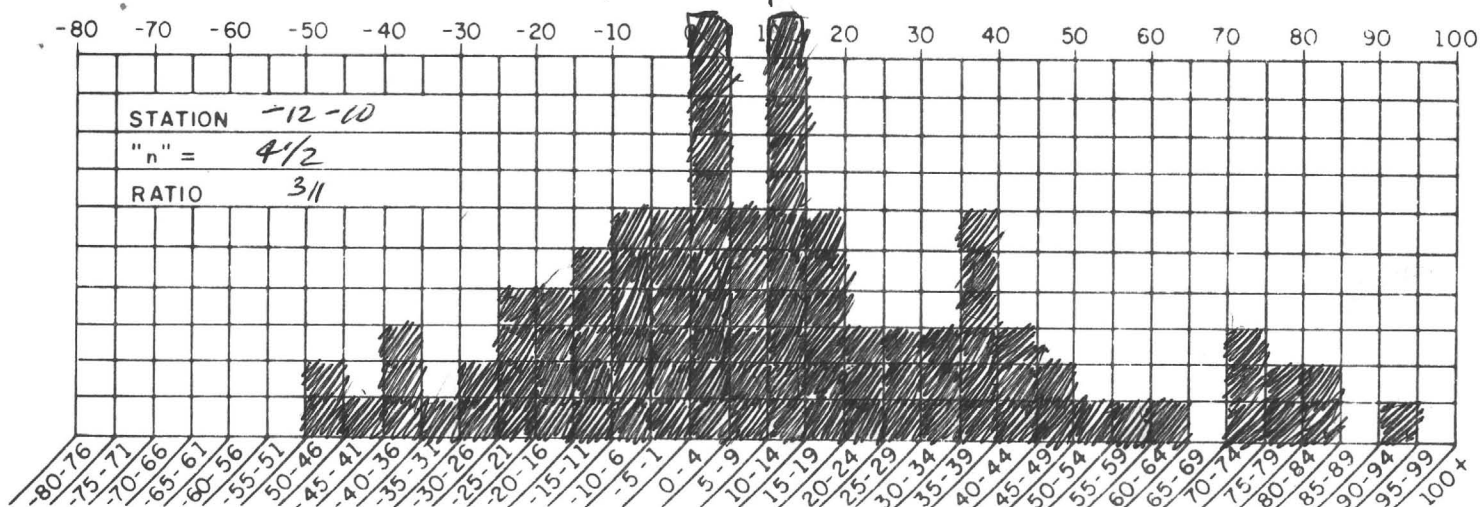
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3









MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

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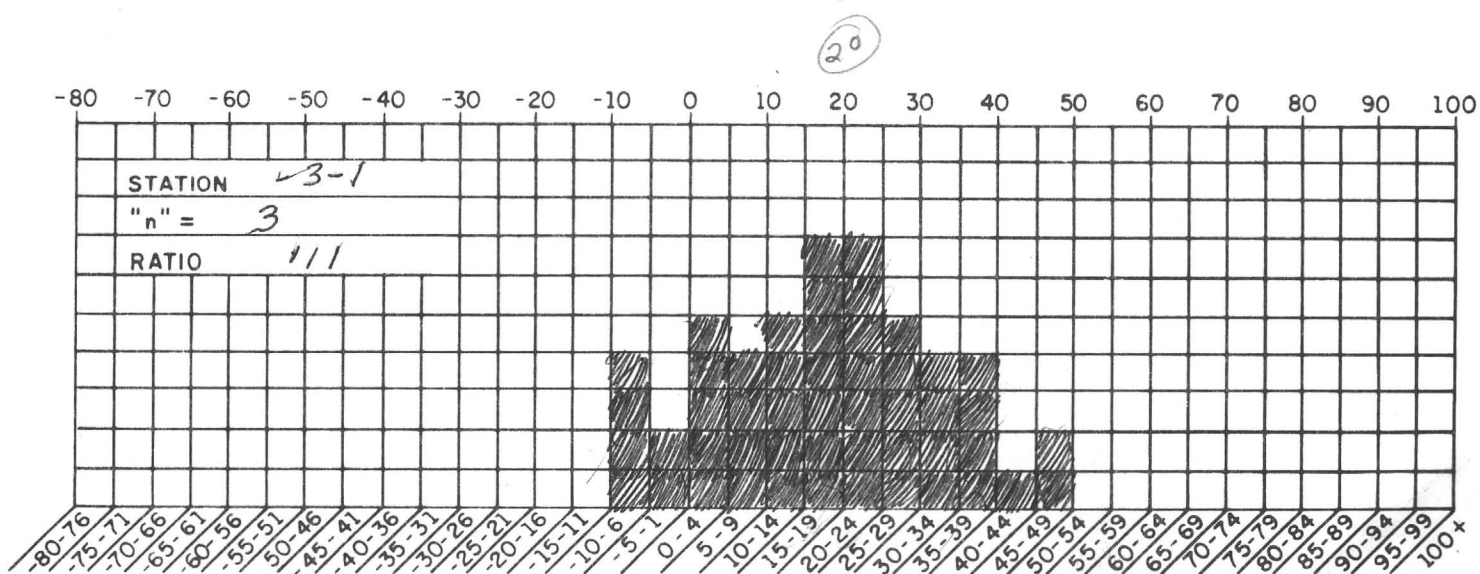
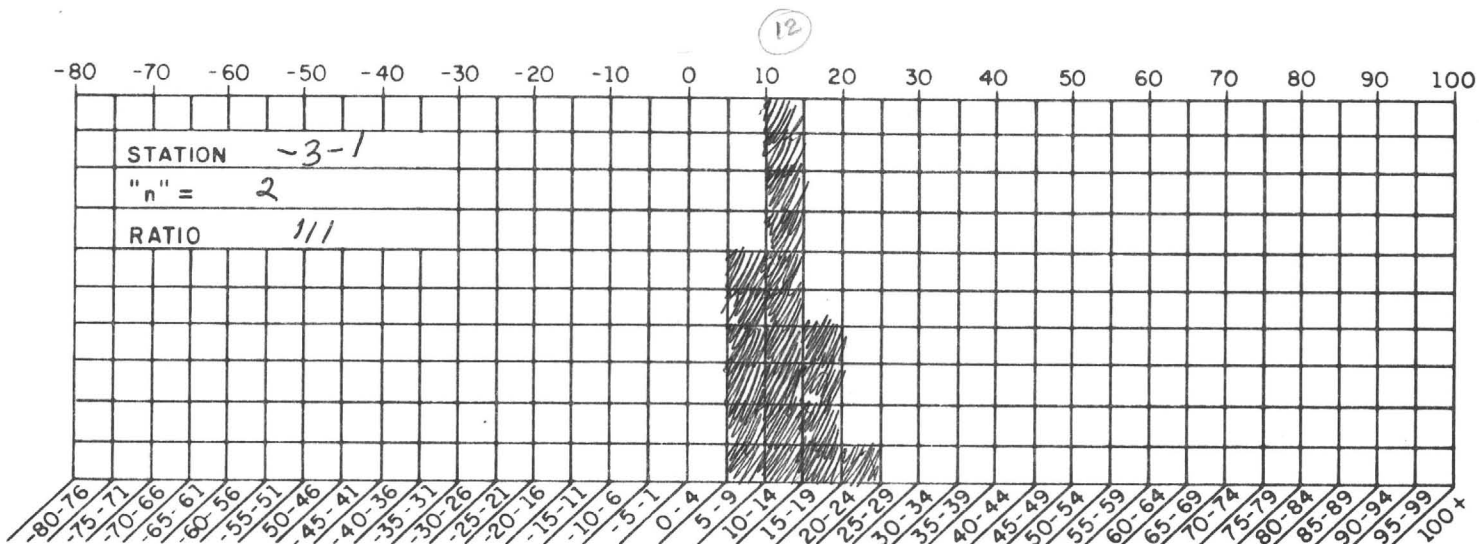
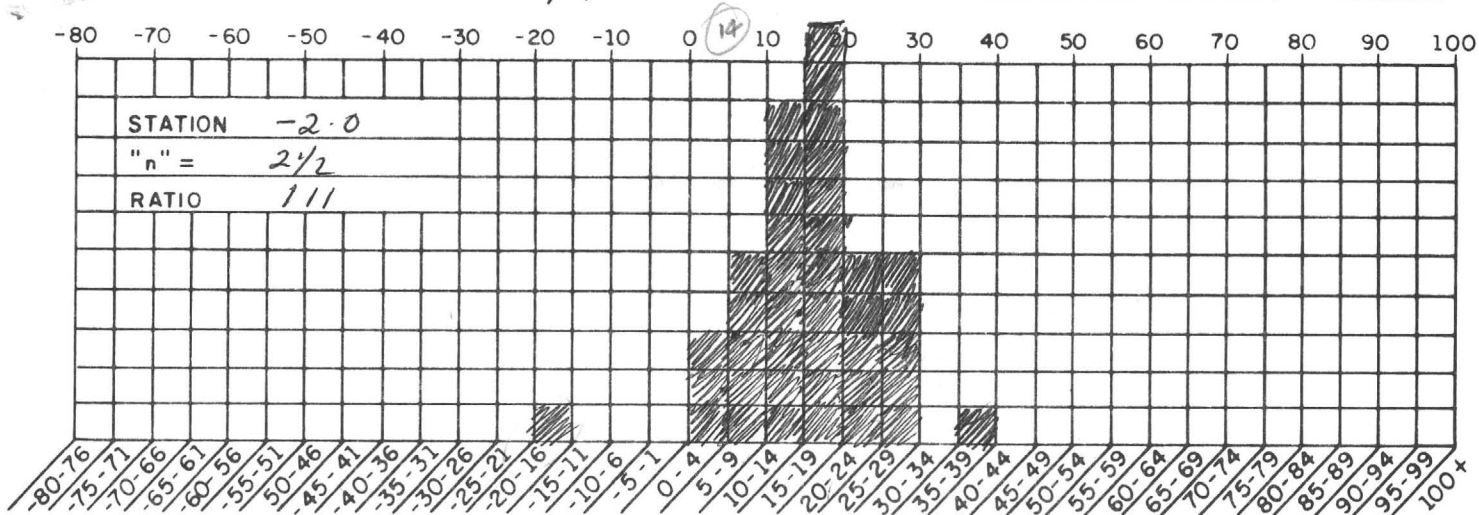
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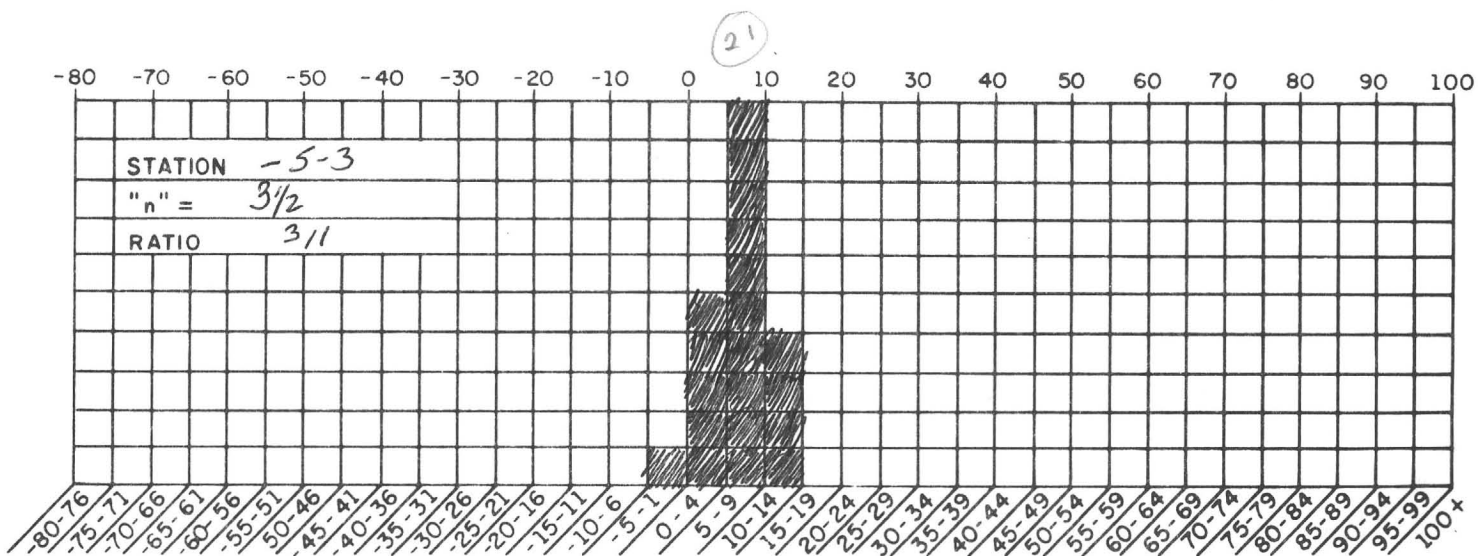
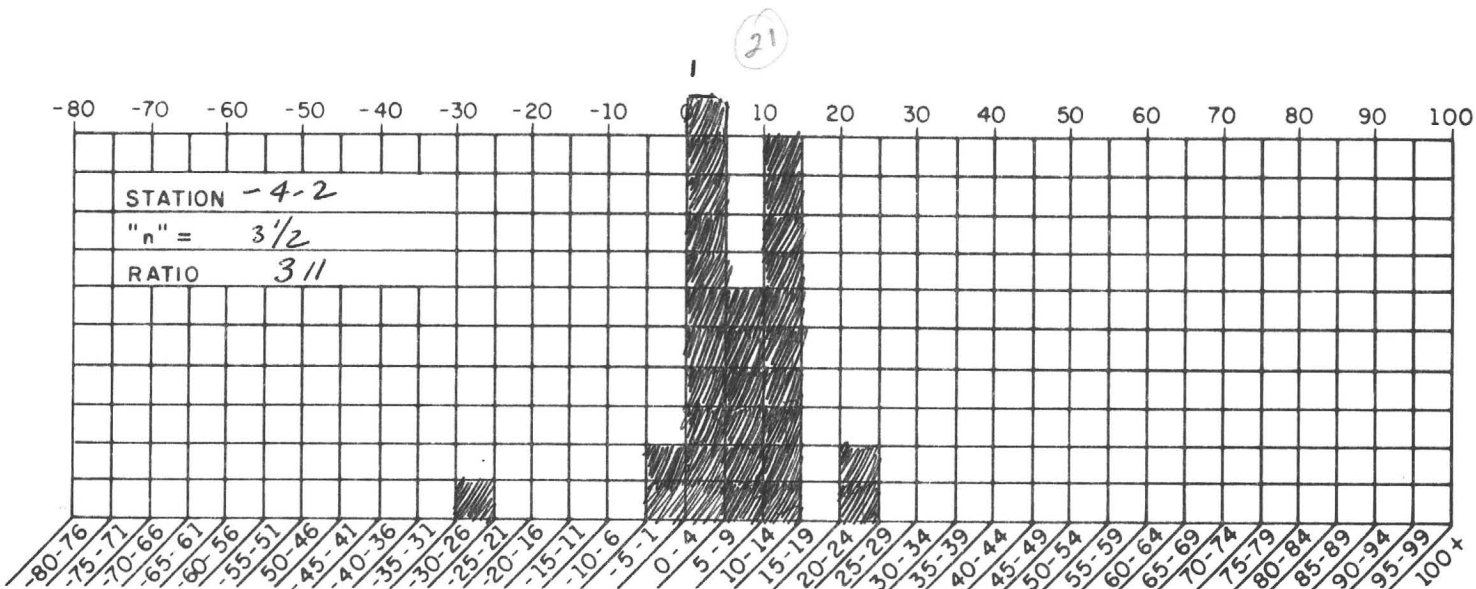
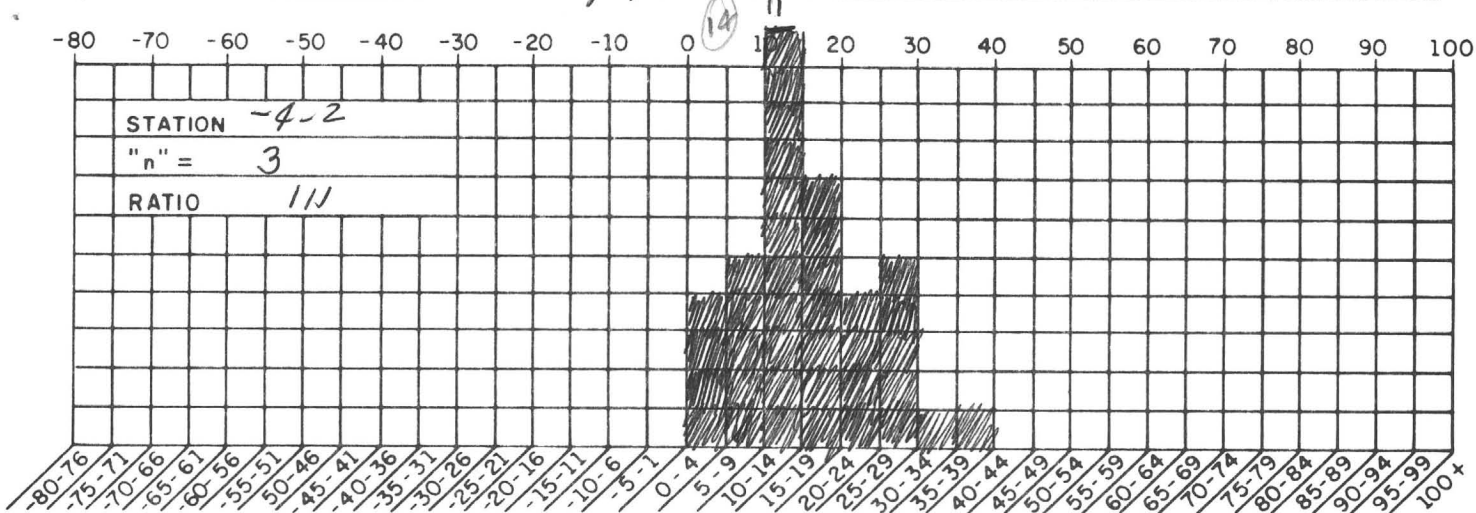
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| | | | |
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| | 4.4 | | 5 7 2½ |
| | | | |
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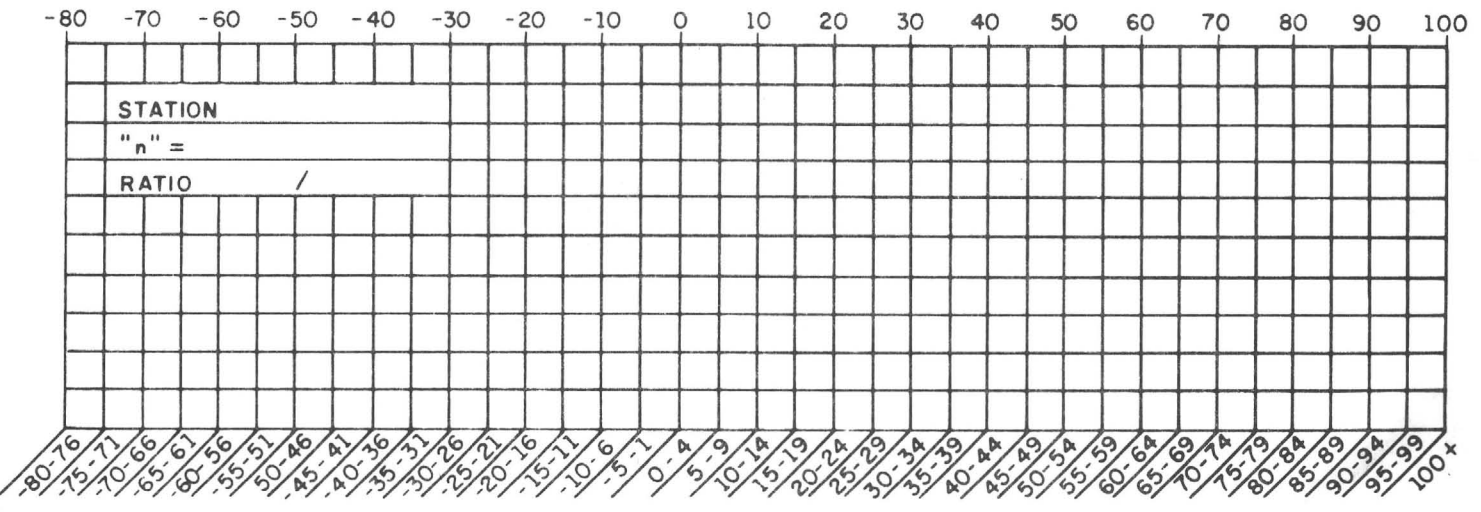
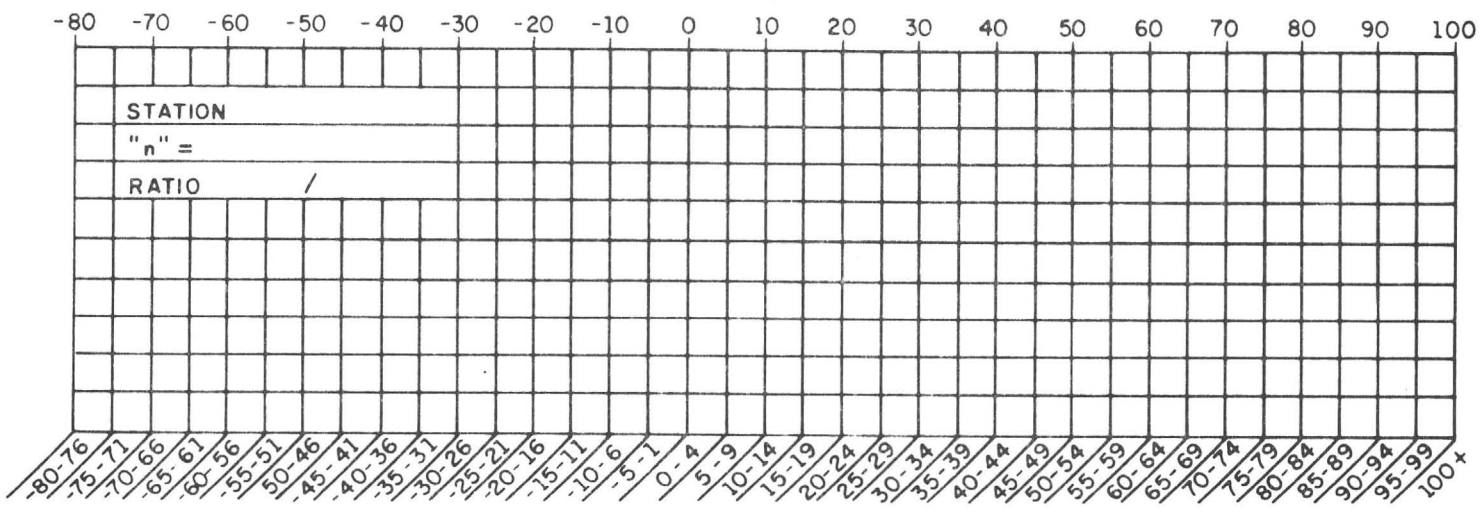
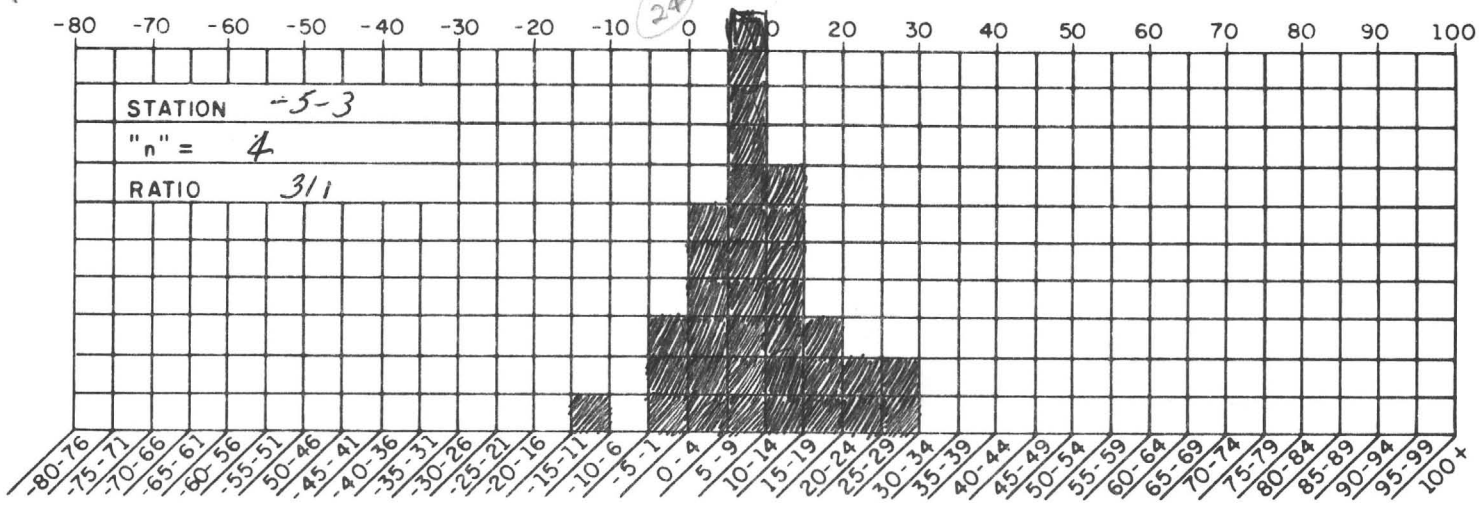
MINING GEOPHYSICAL SURVEYS

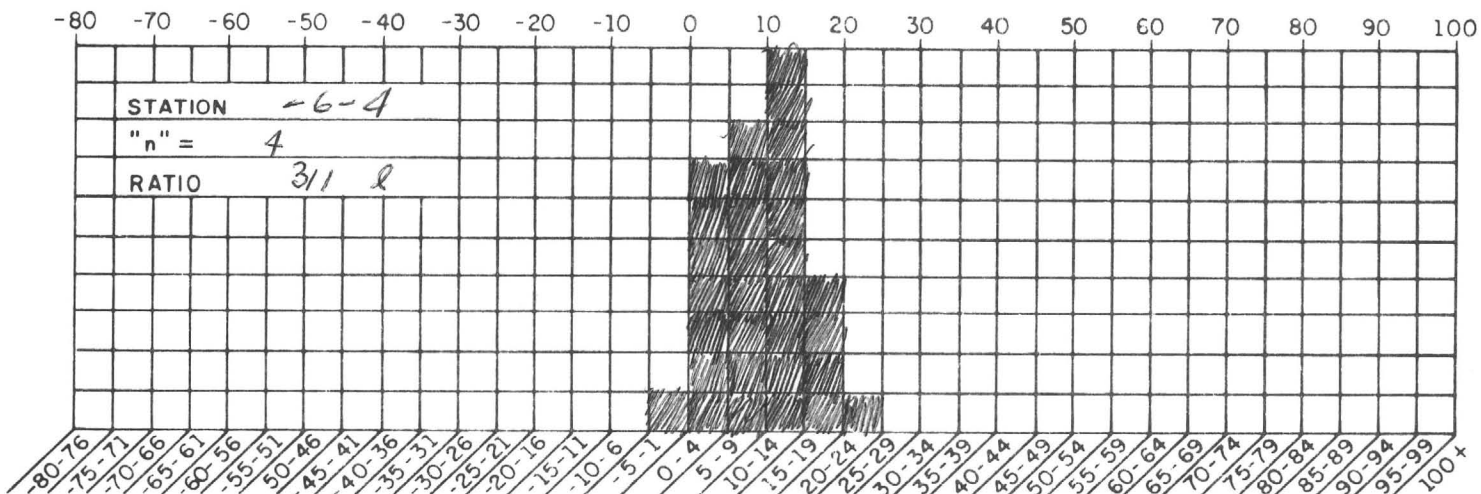
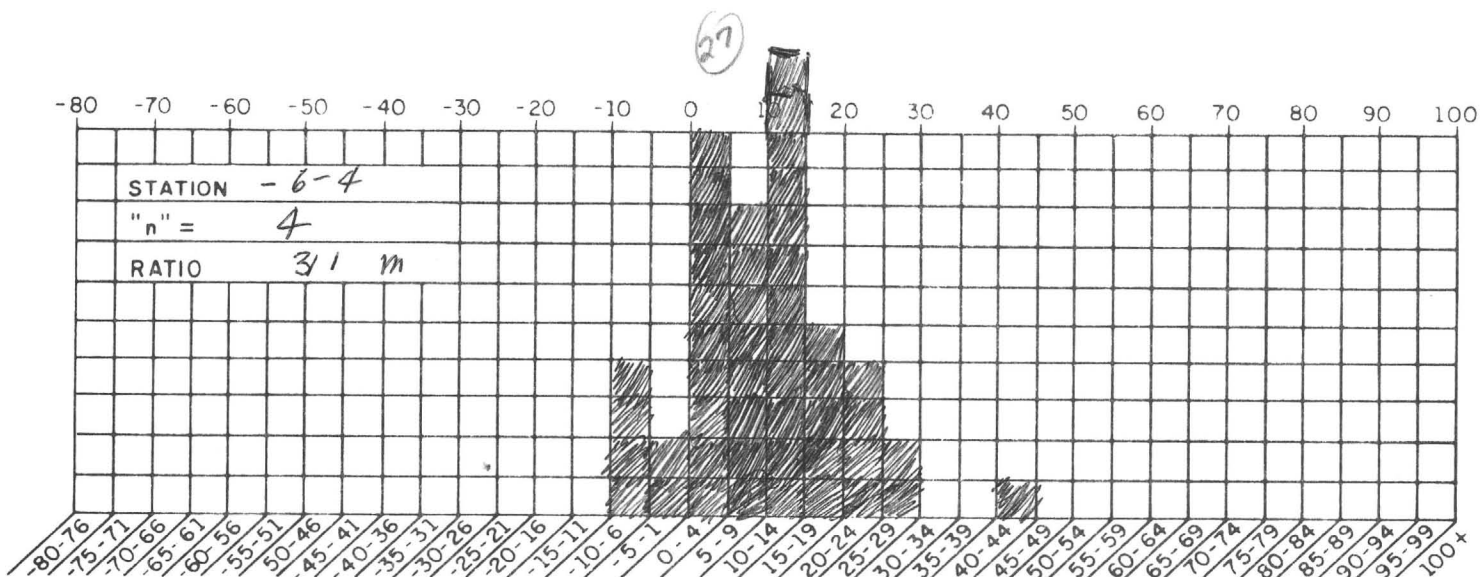
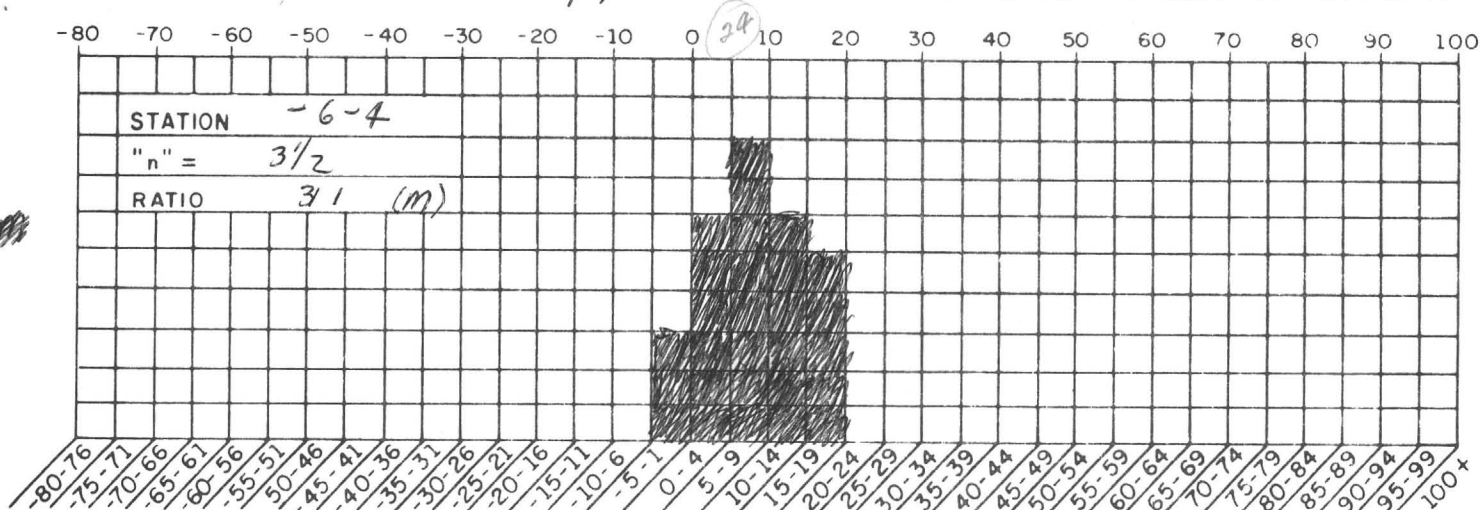
INDUCED POLARIZATION SURVEY

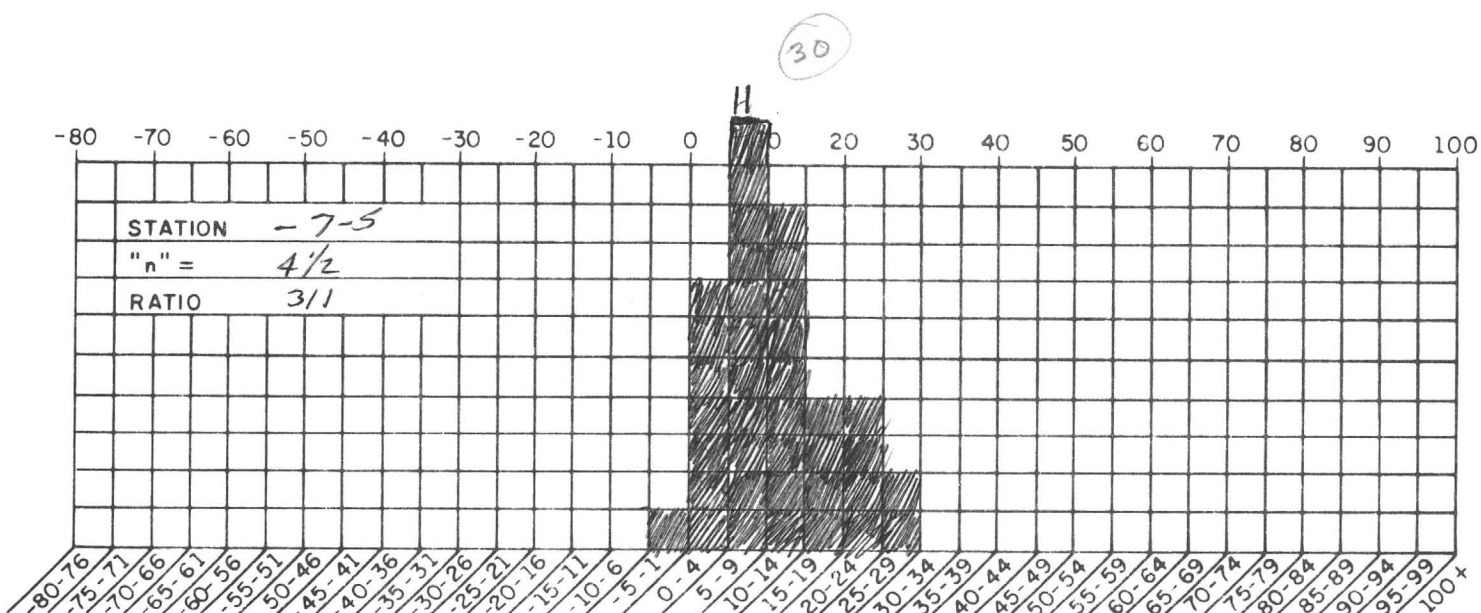
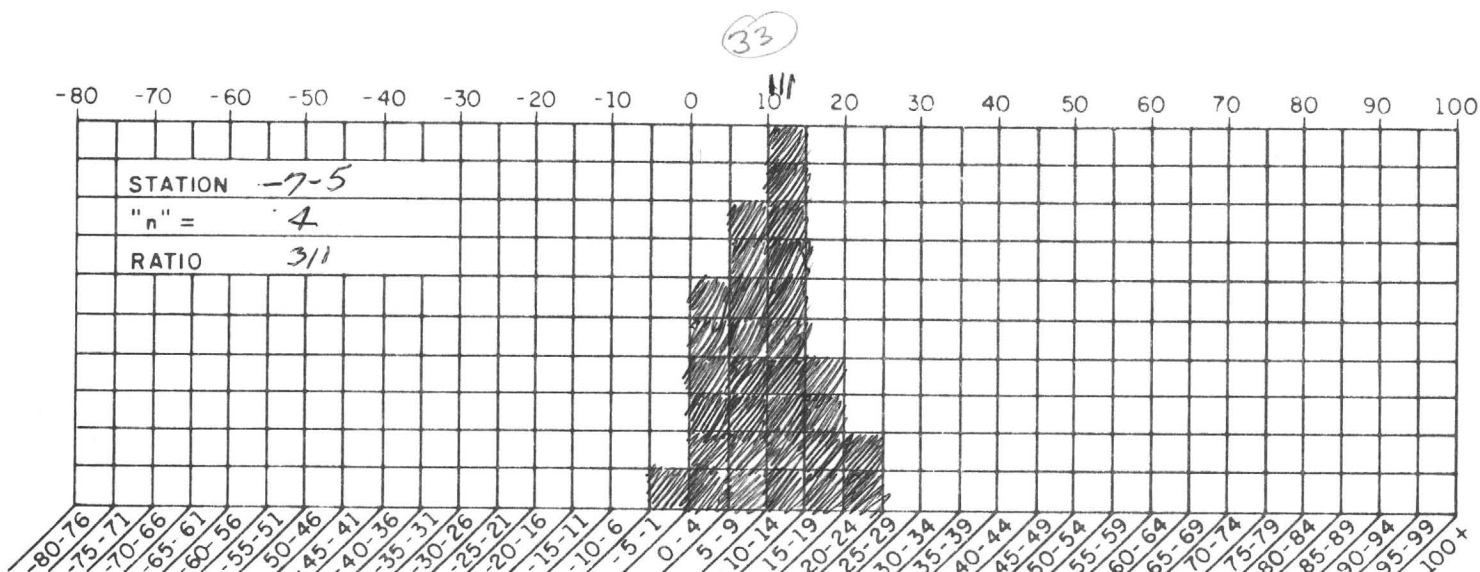
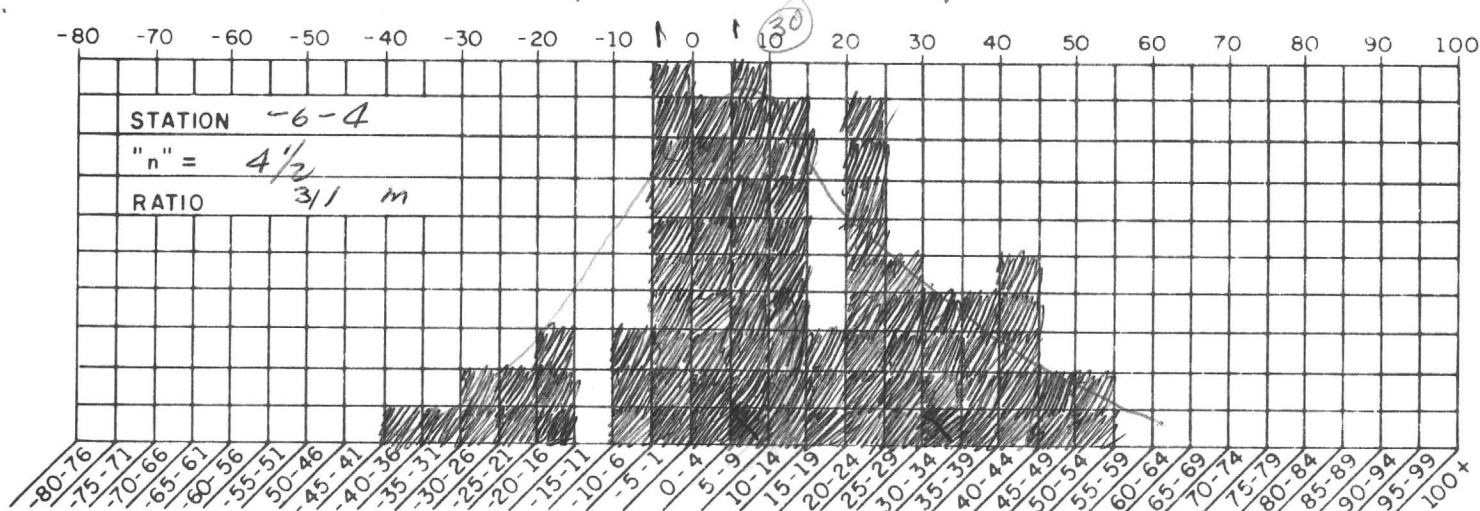
| Project: | | Client: | | Date: | |
|----------|-----|---------|----------|-------|----|
| TIME | I | VA | COMMENTS | | |
| 15:30 | 7.3 | | 1 | 3 | 1½ |
| | 7.5 | | 2 | 4 | 2 |
| | 5.0 | | 3 | 5 | 2½ |
| | 7.5 | | 4 | 6 | 3 |
| | 4.4 | | 5 | 7 | 3½ |
| | | | | | |
| 15:58 | 7.3 | | 1 | 3 | 2 |
| | 7.5 | | 2 | 4 | 2½ |
| | 5.0 | | 3 | 5 | 3 |
| | 7.4 | | 4 | 6 | 3½ |
| | 4.5 | | 5 | 7 | 4 |
| | | | | | |
| 4 | 7.3 | | 1 | 3 | 2½ |
| | 7.5 | | 2 | 4 | 3 |
| | 4.0 | | 3 | 5 | 3½ |
| | 7.4 | | 4 | 6 | 4 |
| | 4.6 | | 5 | 7 | 4½ |
| | | | | | |
| 5 | 7.3 | | 1 | 3 | 3 |
| | 7.5 | | 2 | 4 | 3½ |
| | 5.0 | | 3 | 5 | 4 |
| | 7.4 | | 4 | 6 | 4½ |
| | 4.4 | | 5 | 7 | 5 |

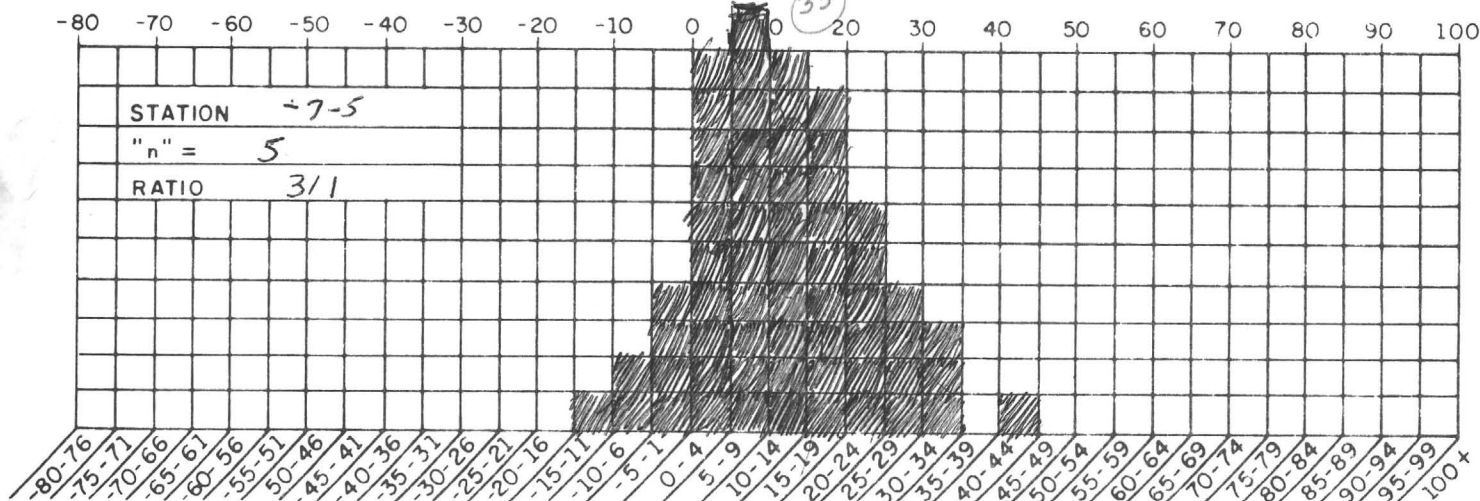




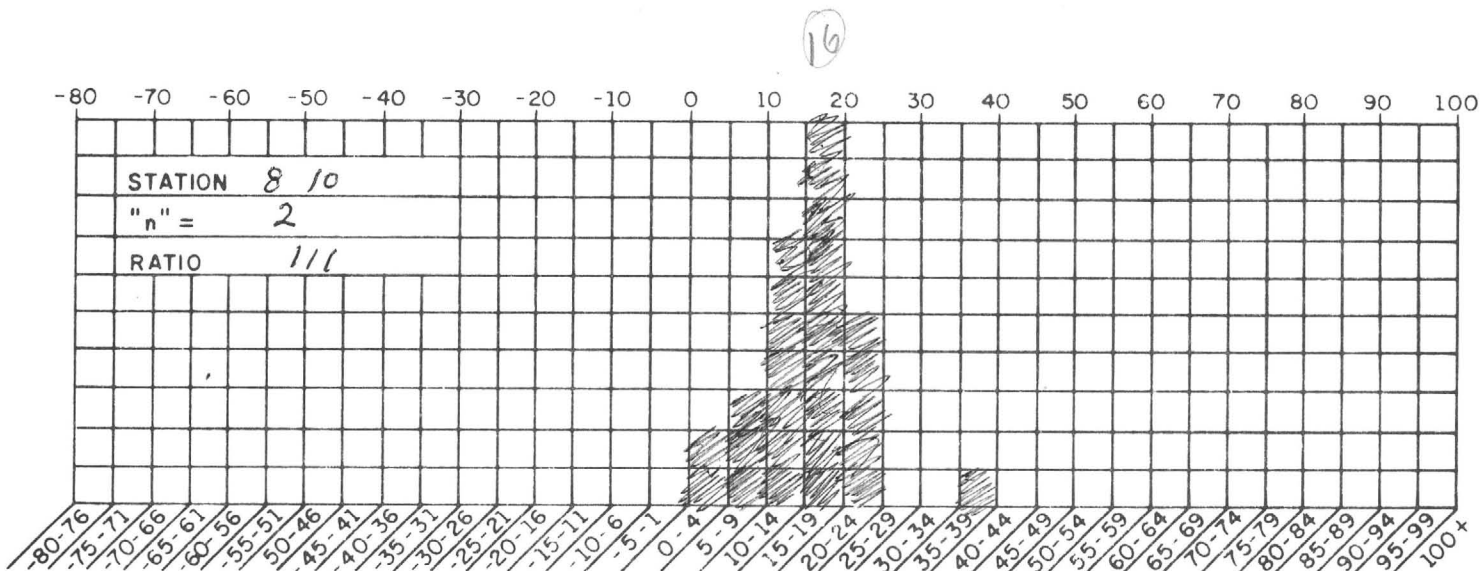
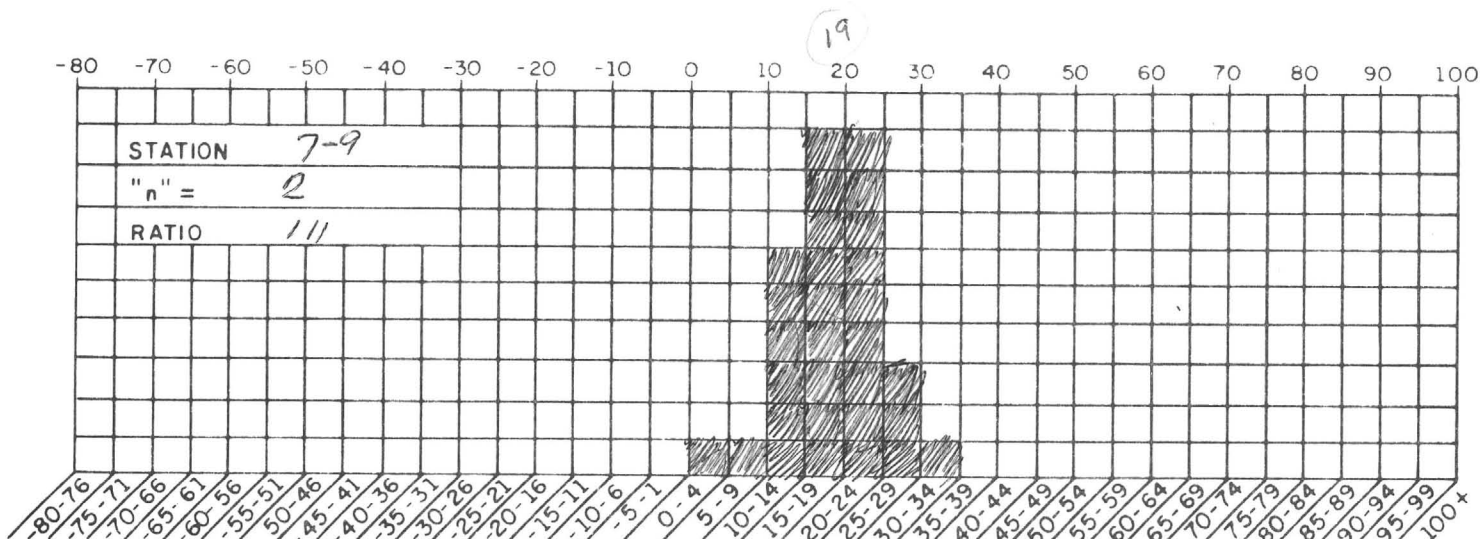


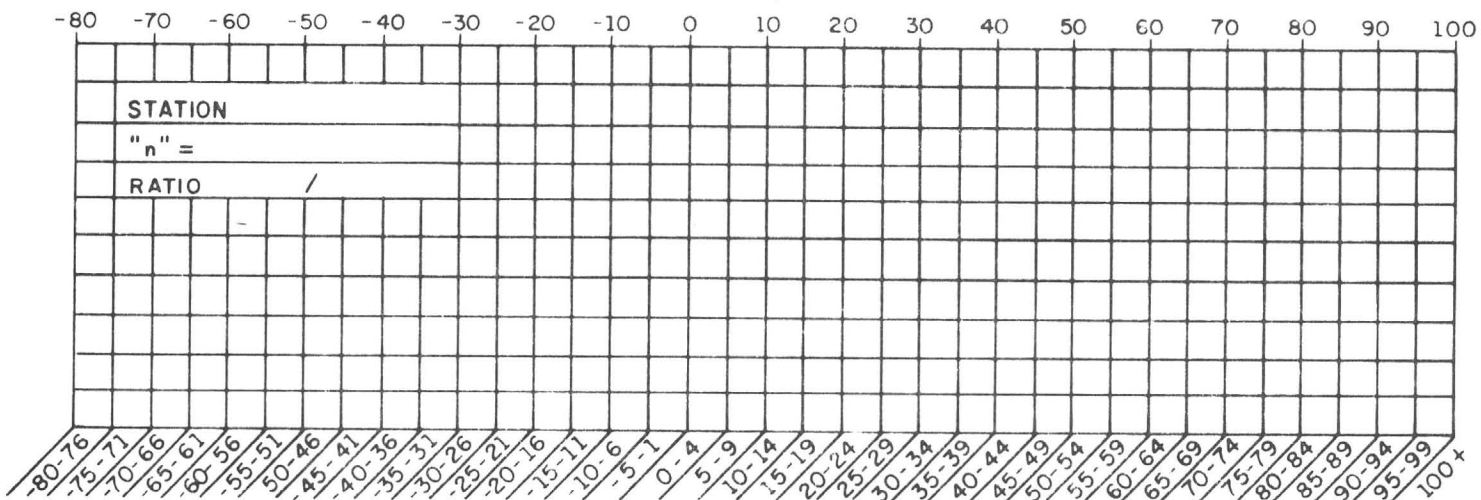
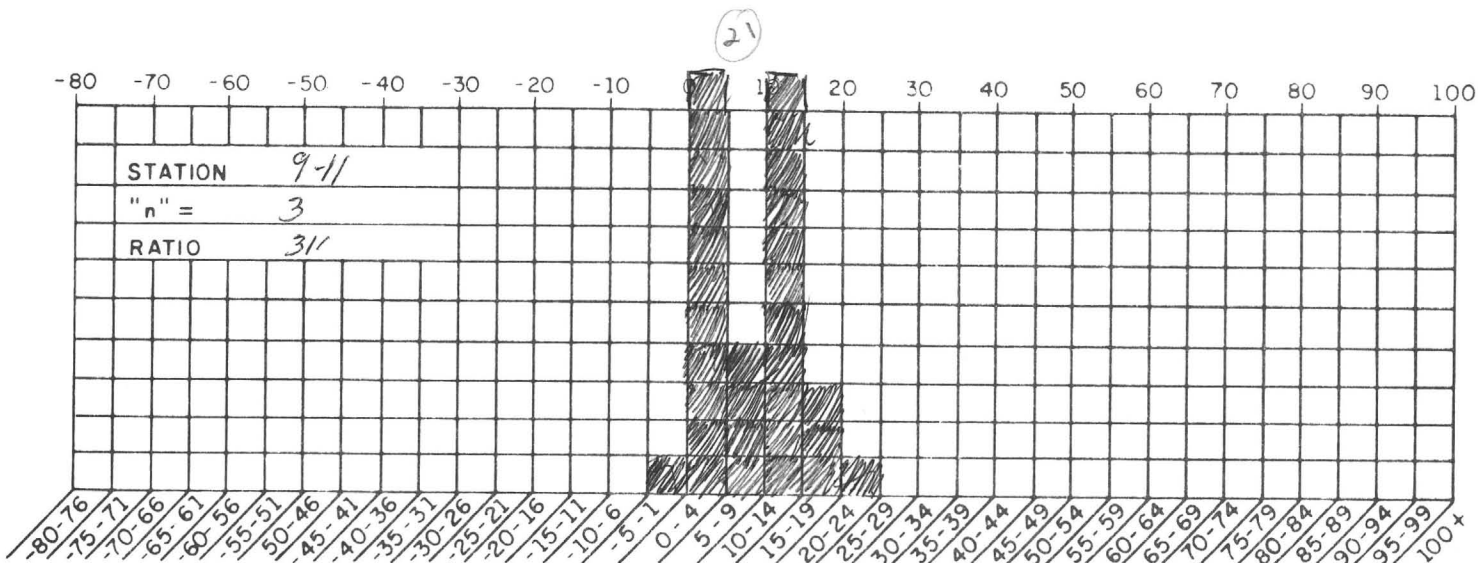
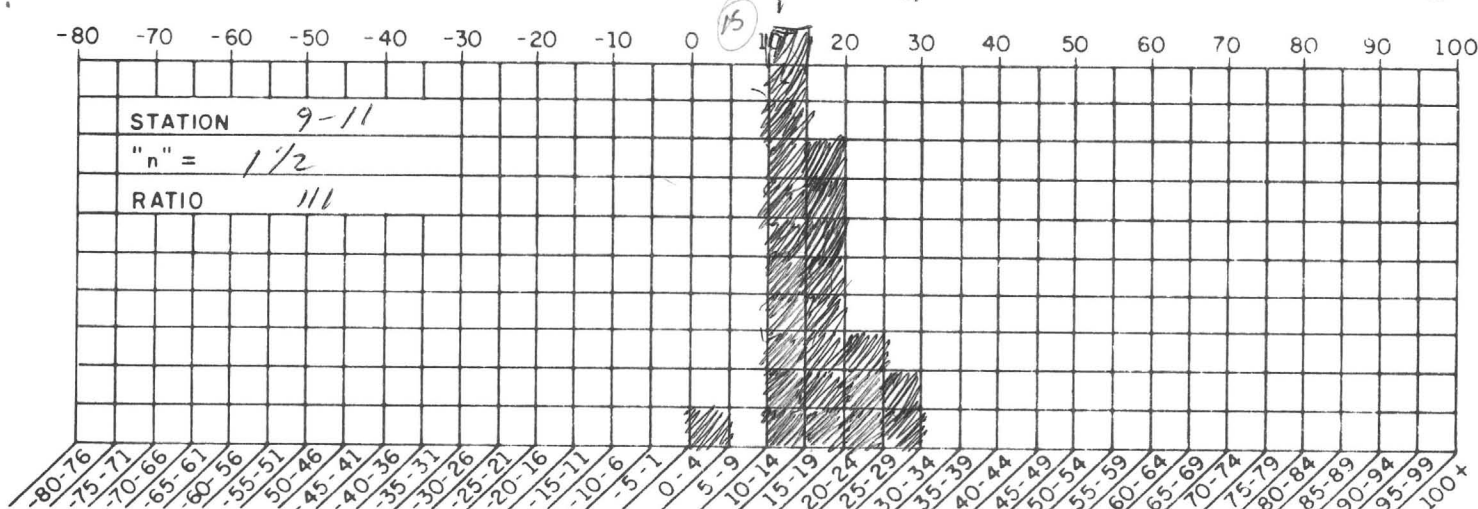


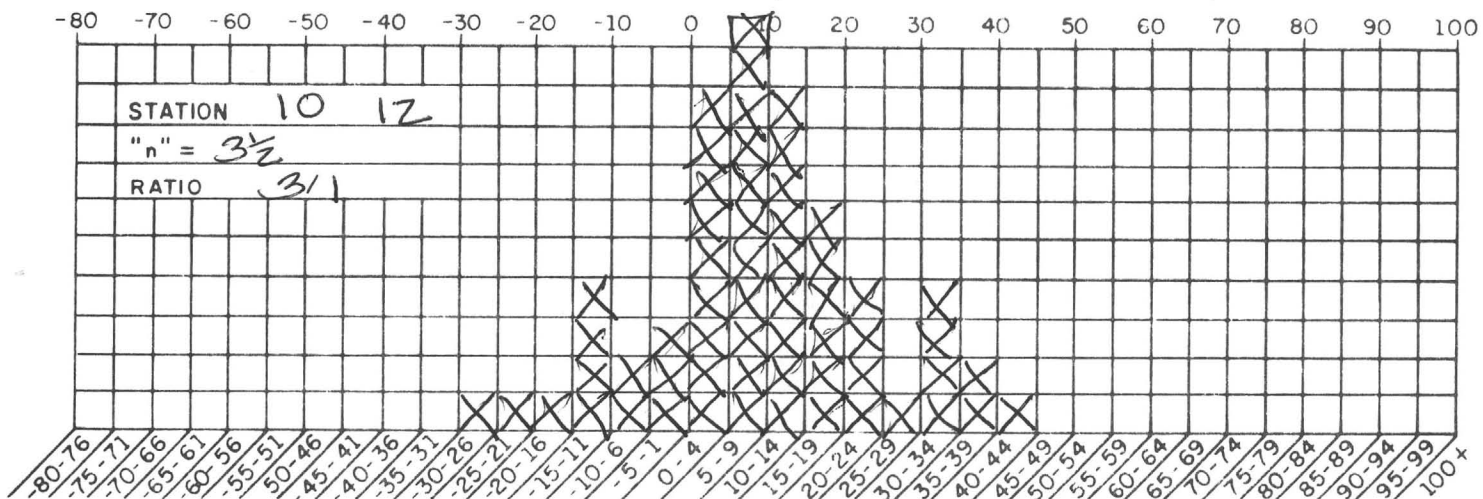
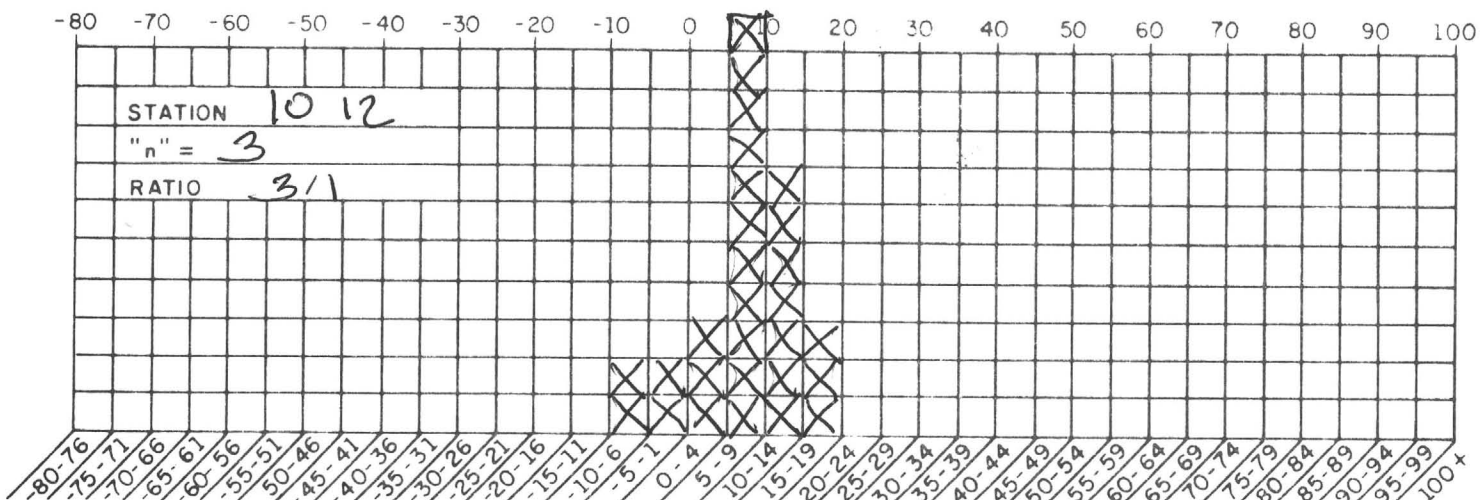
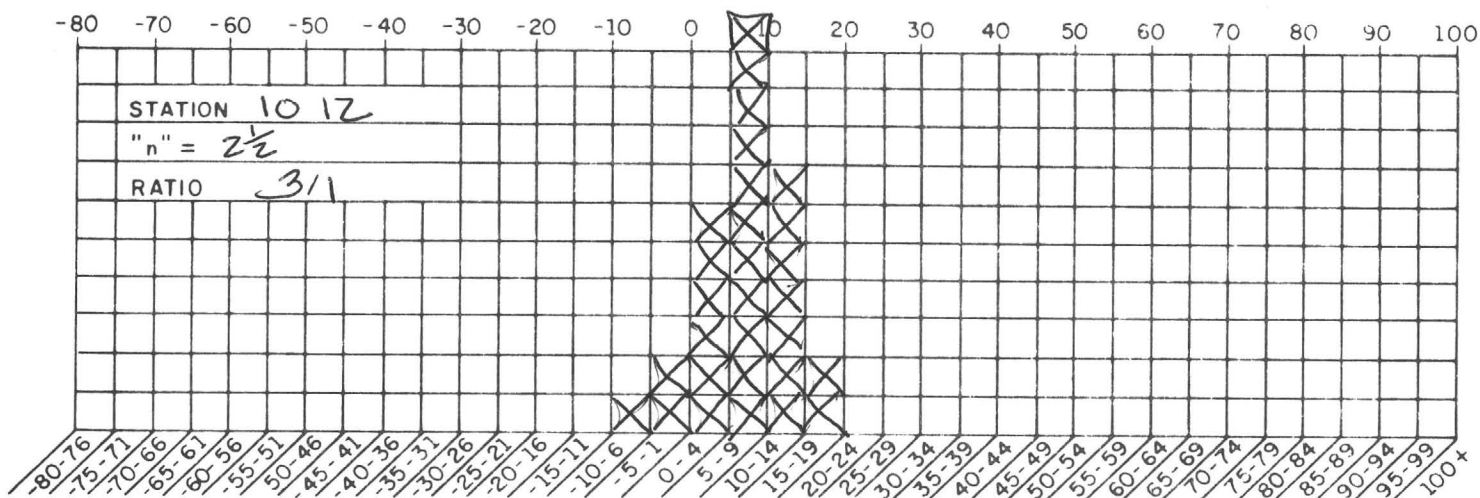


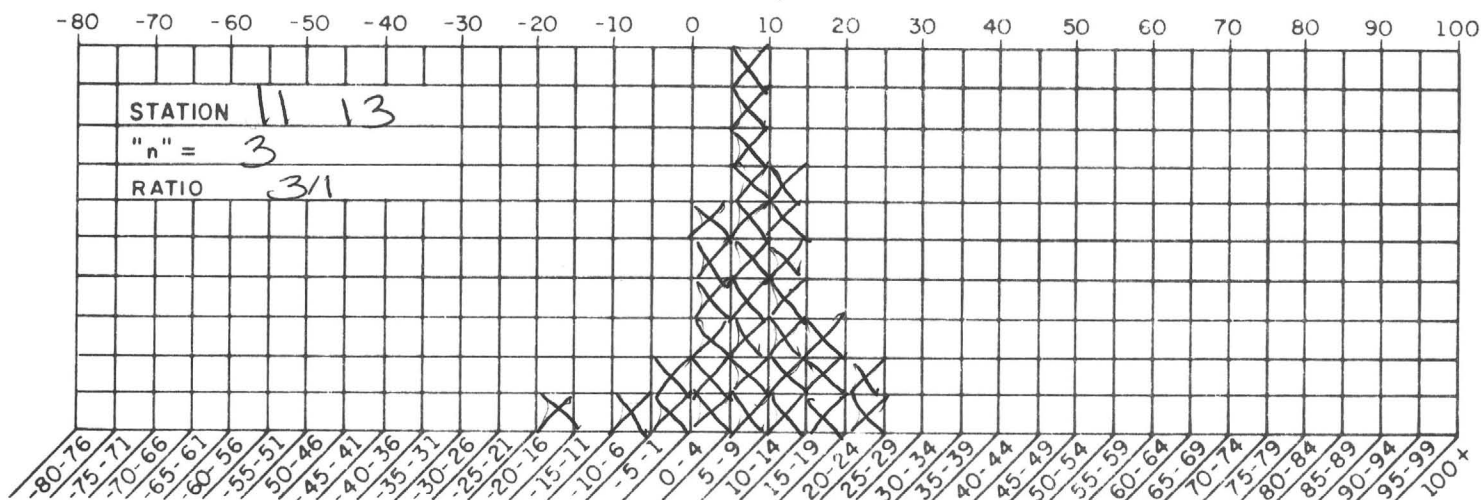
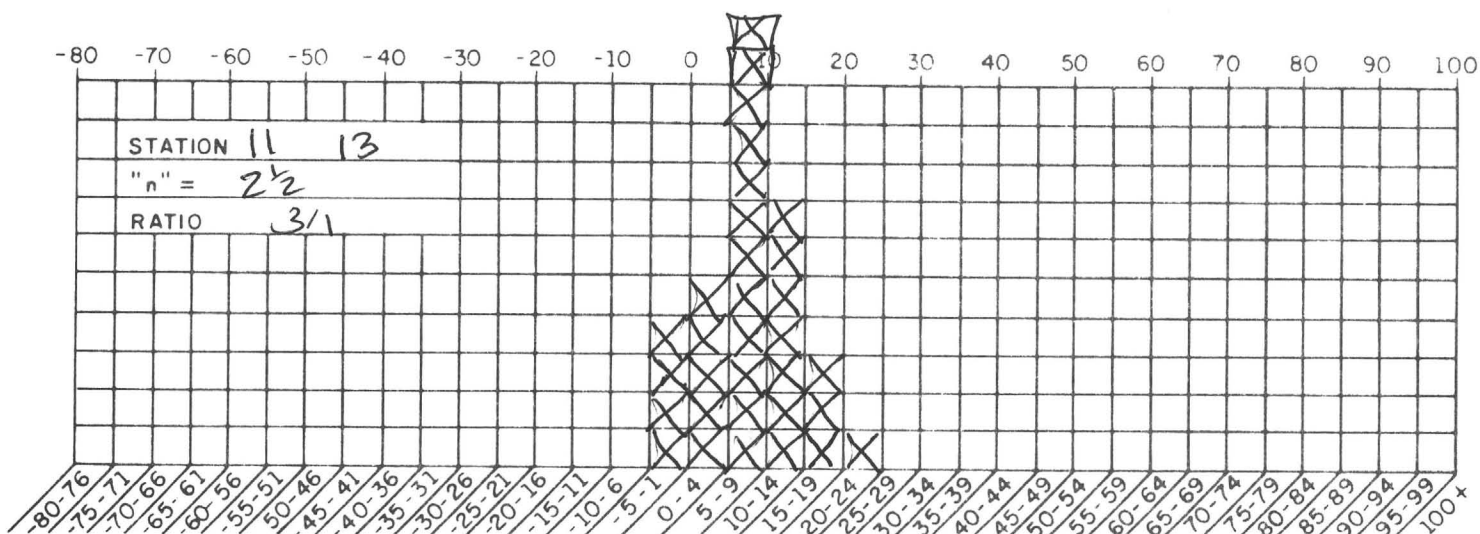
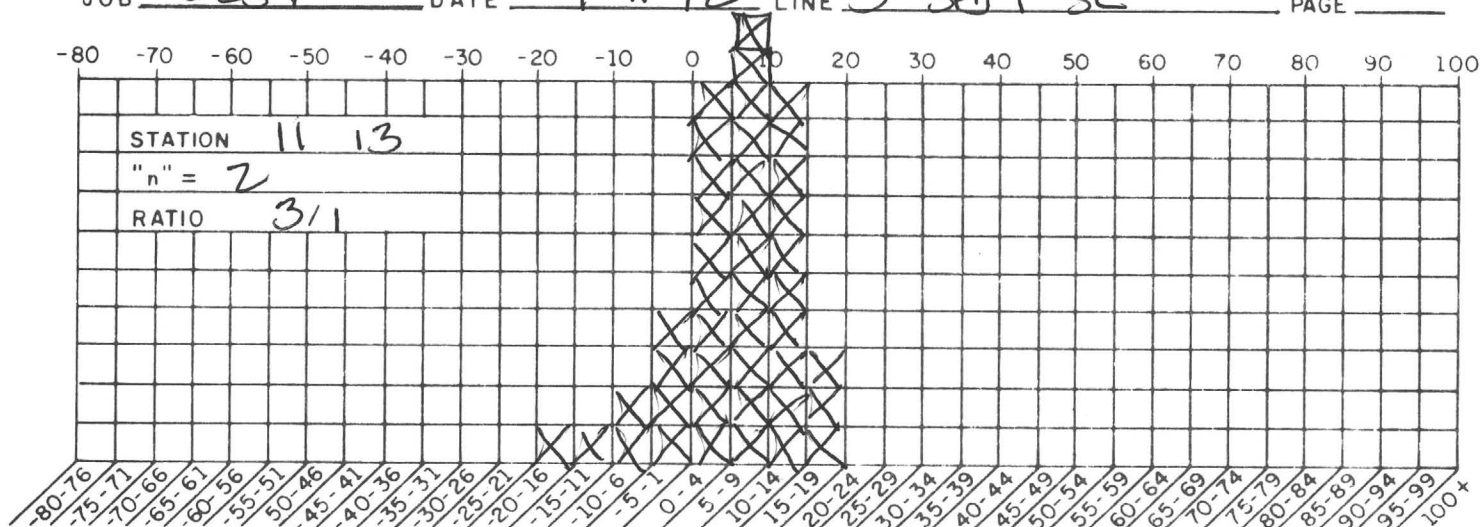


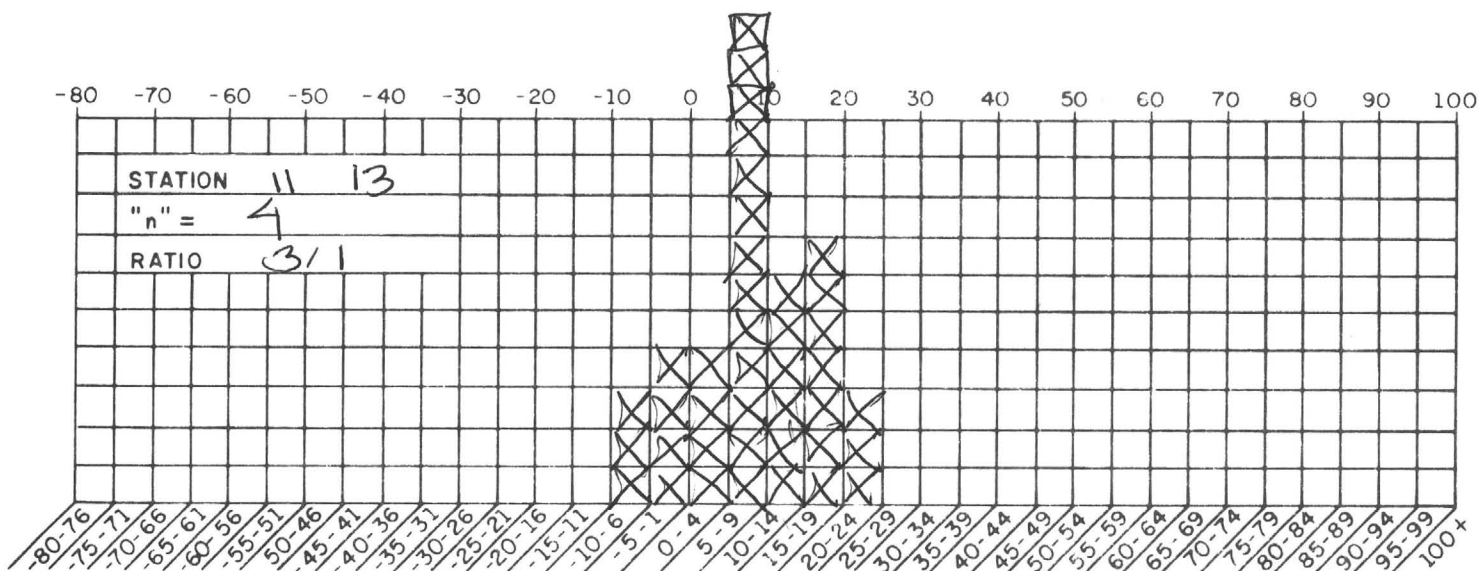
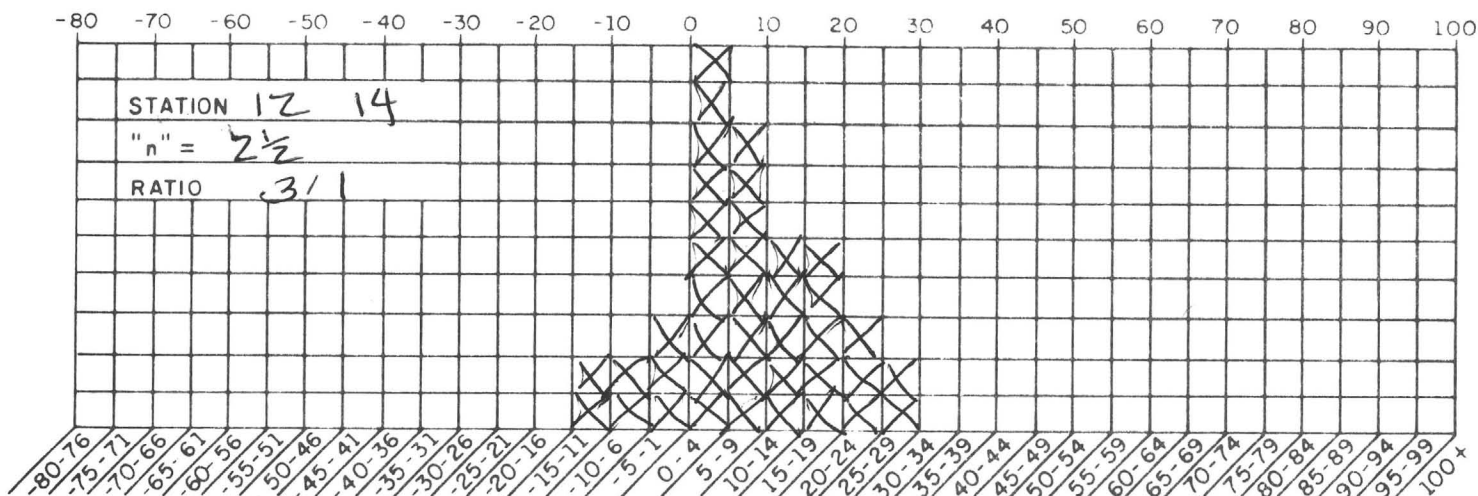
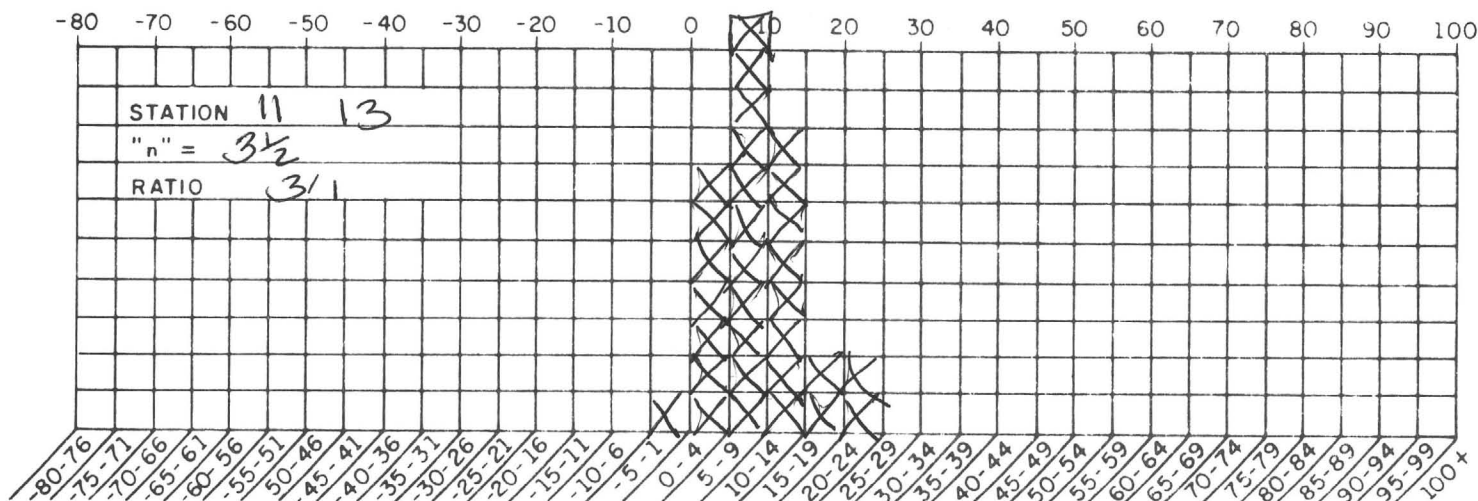
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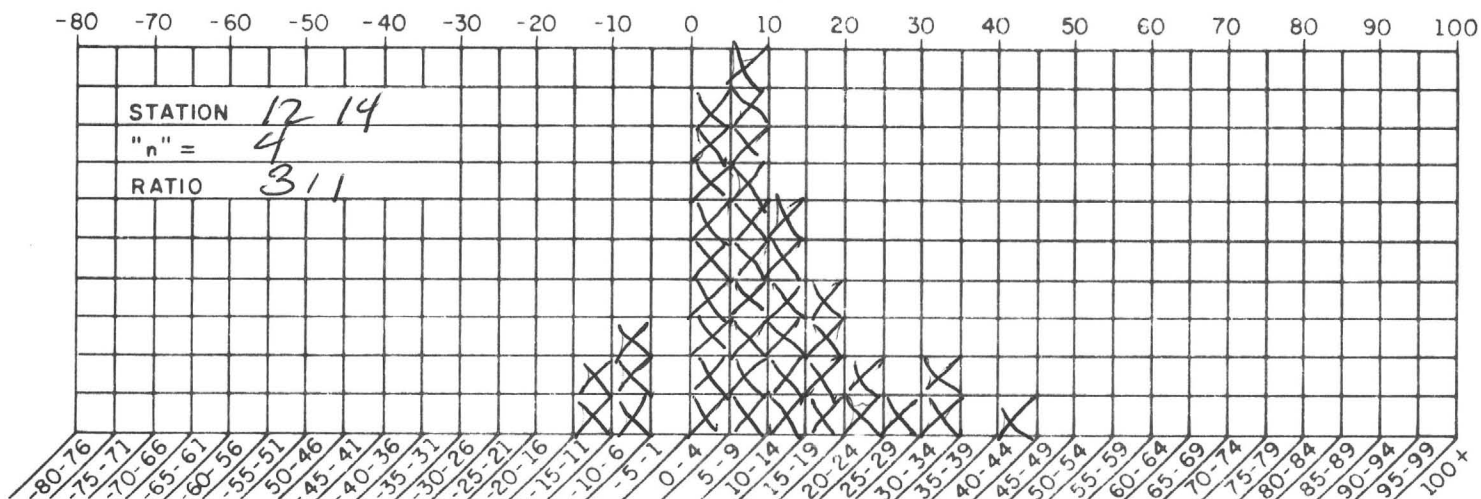
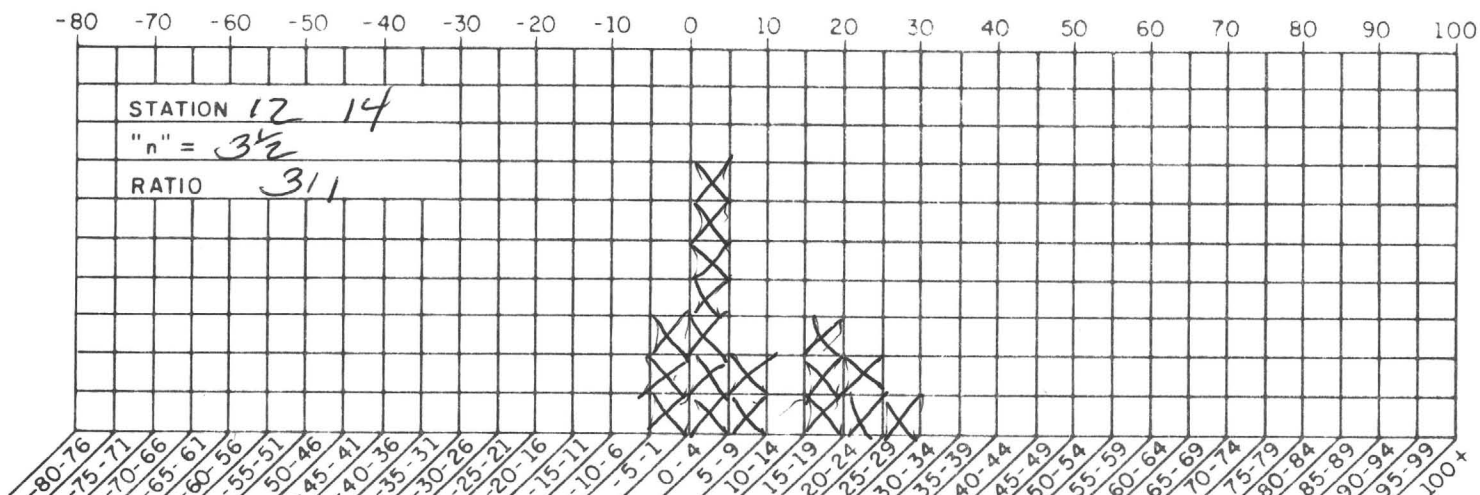
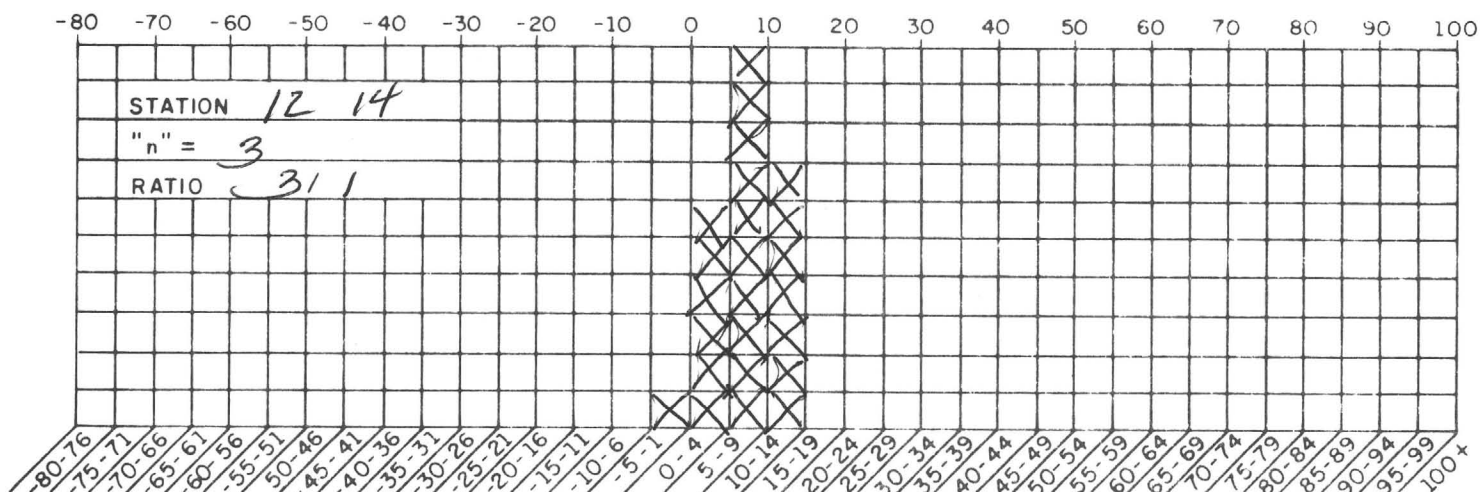












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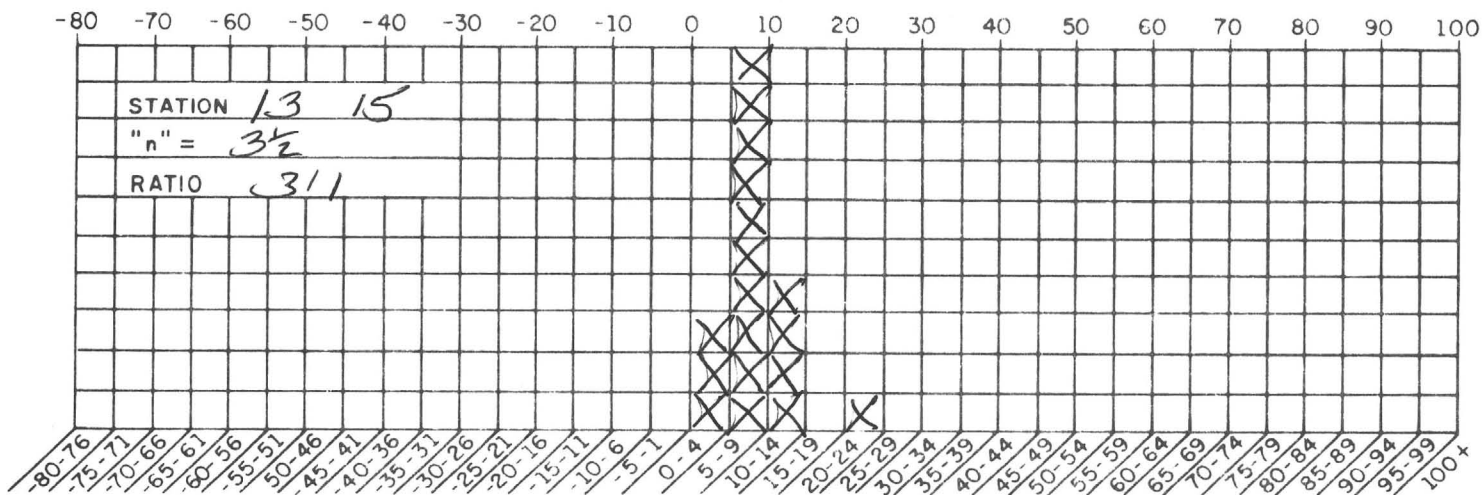
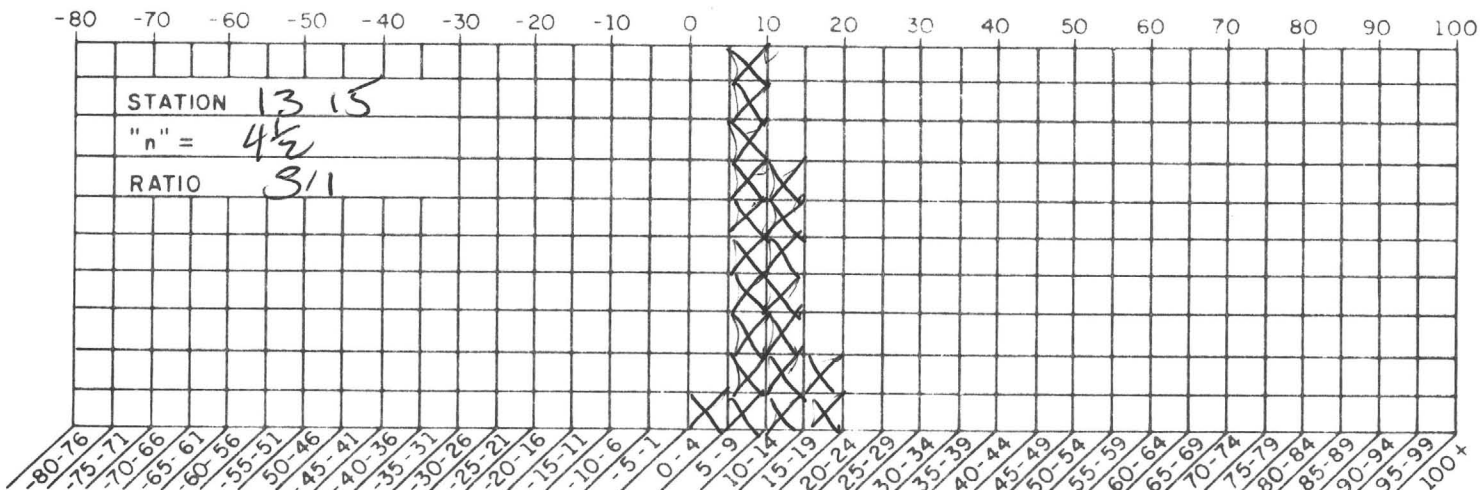
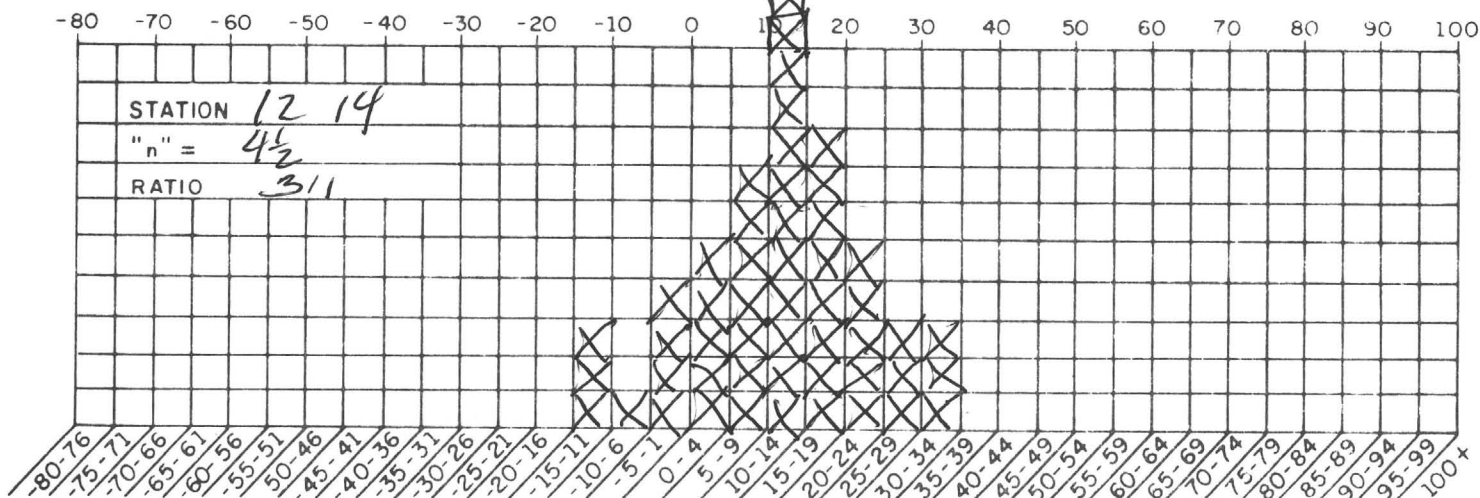
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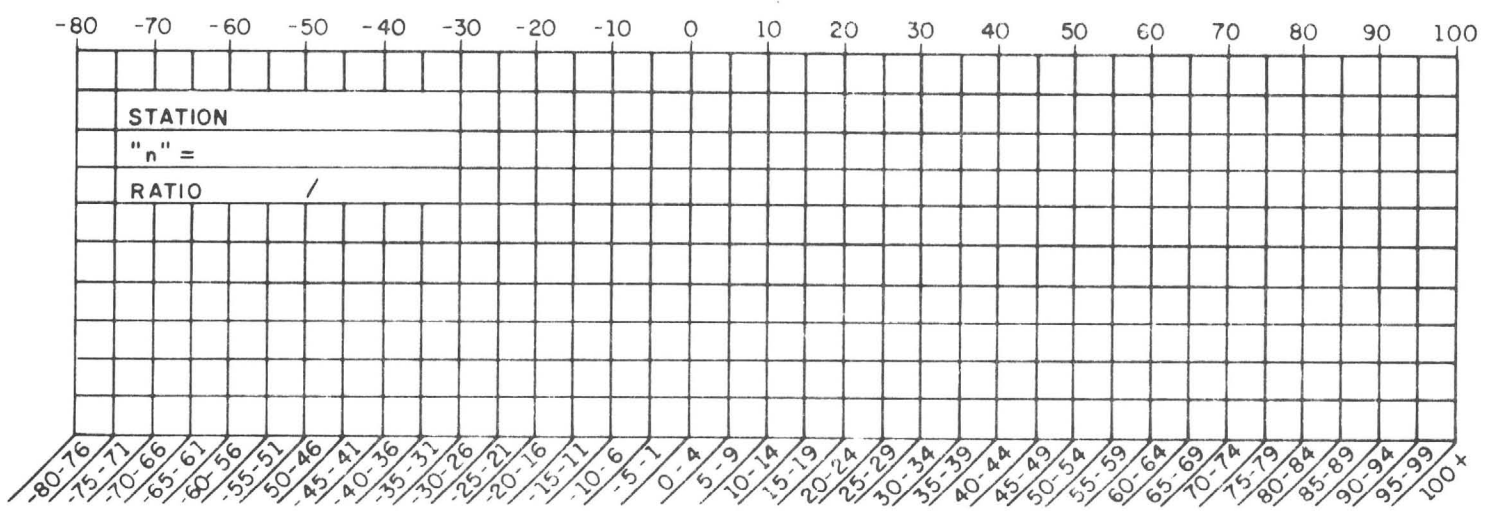
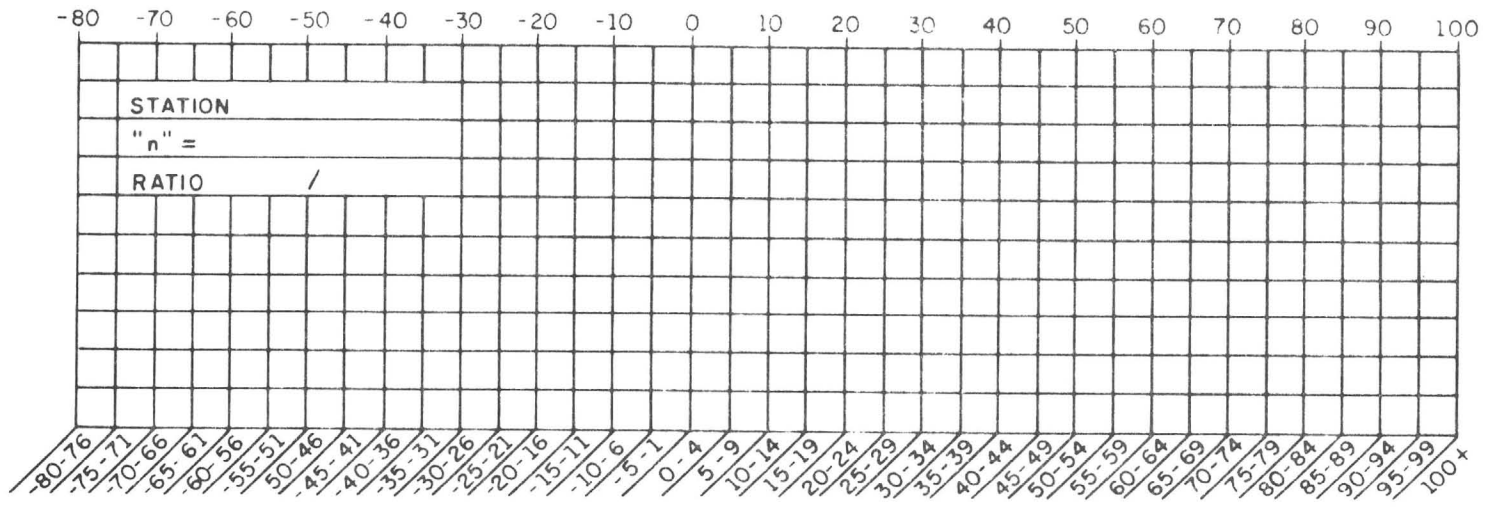
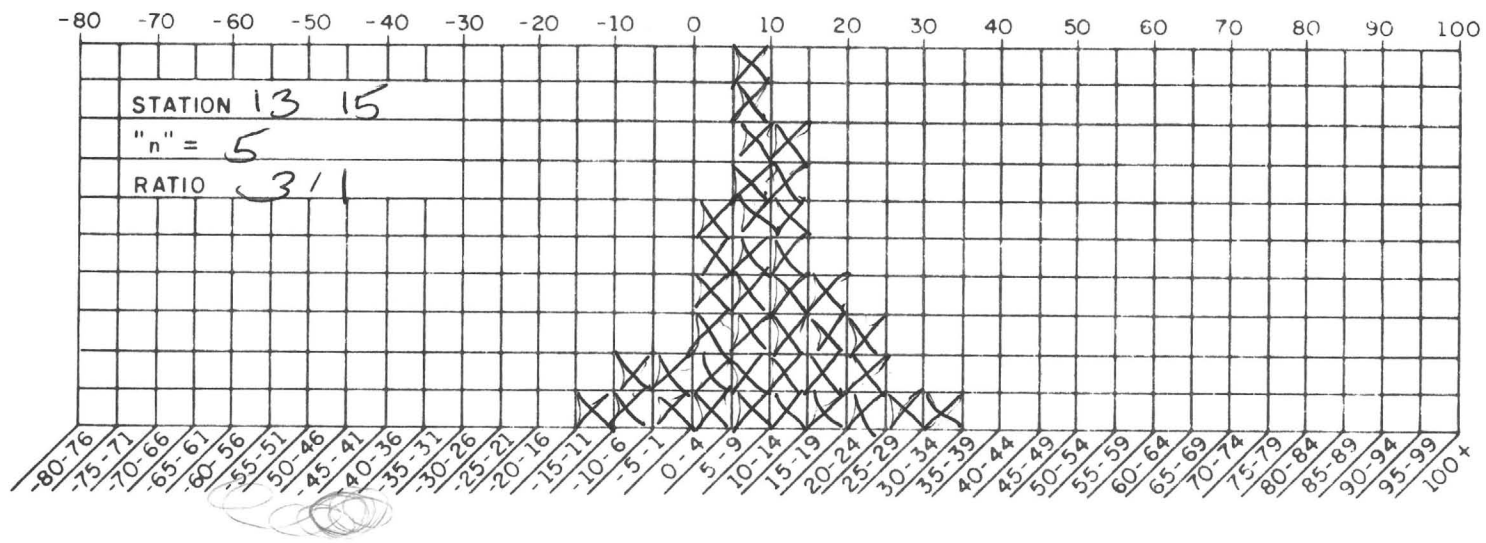
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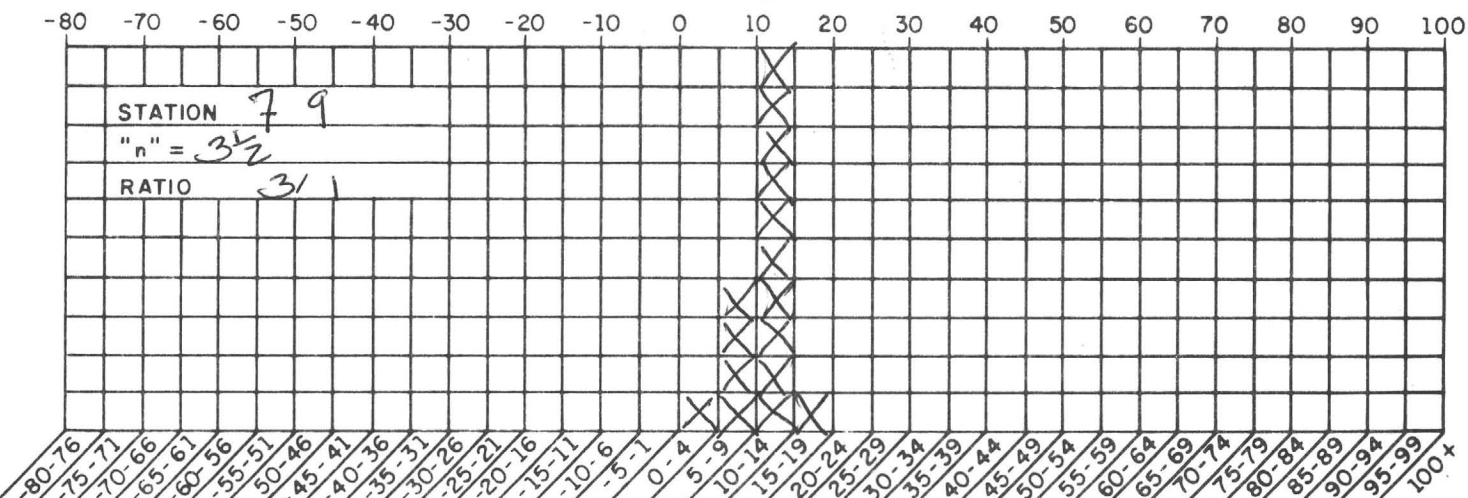
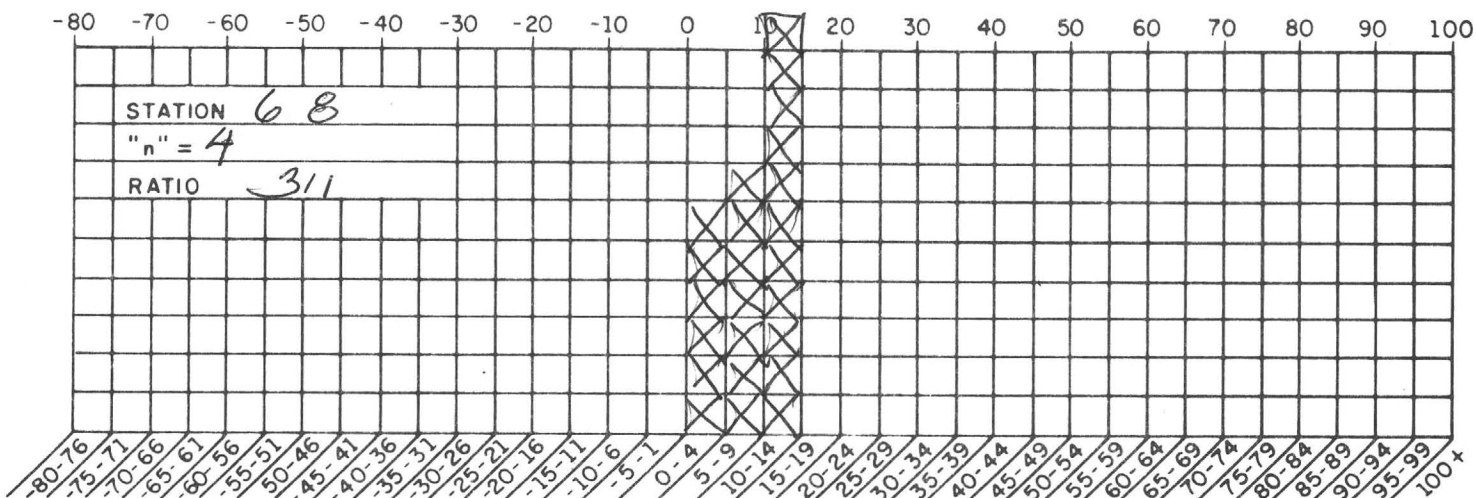
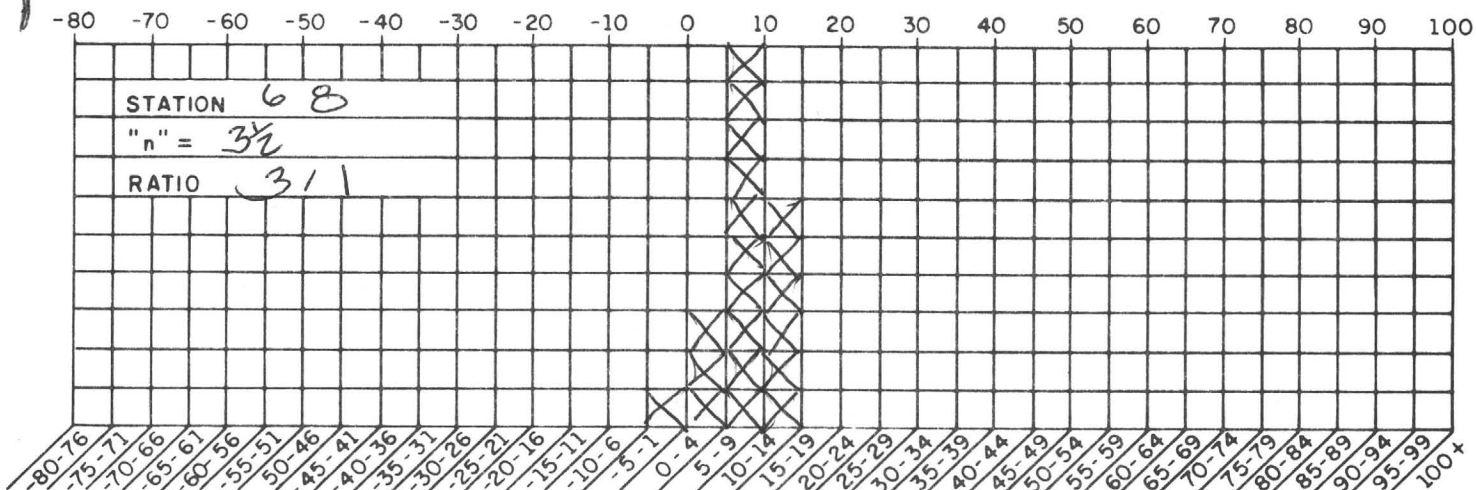
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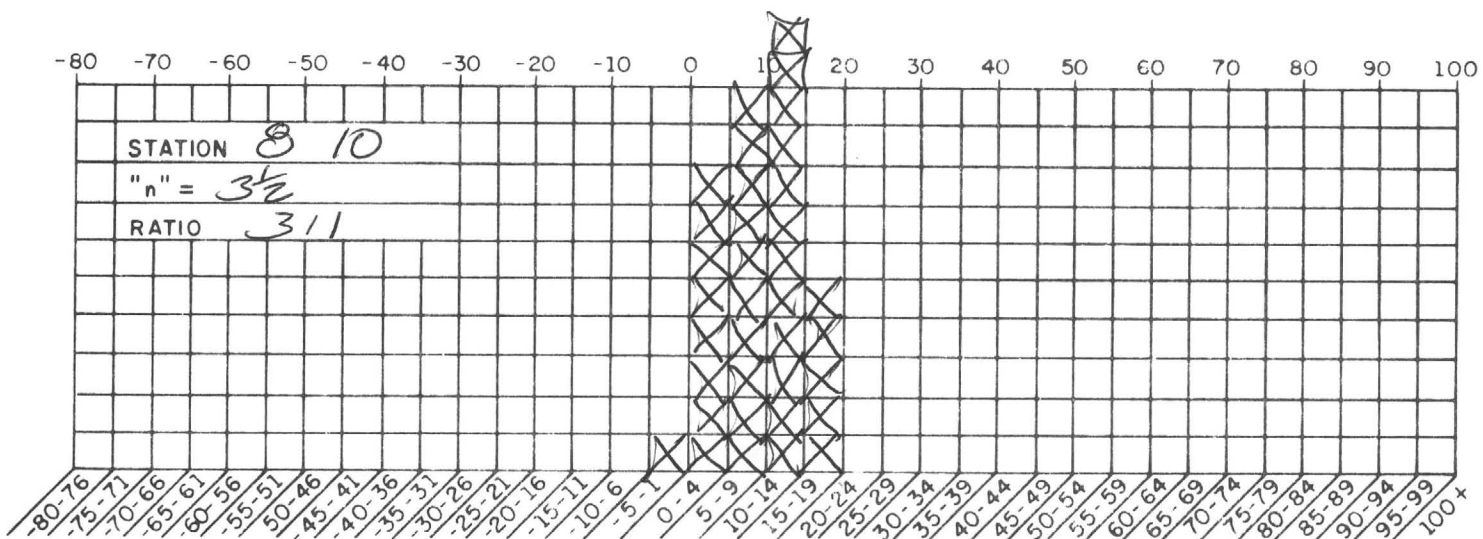
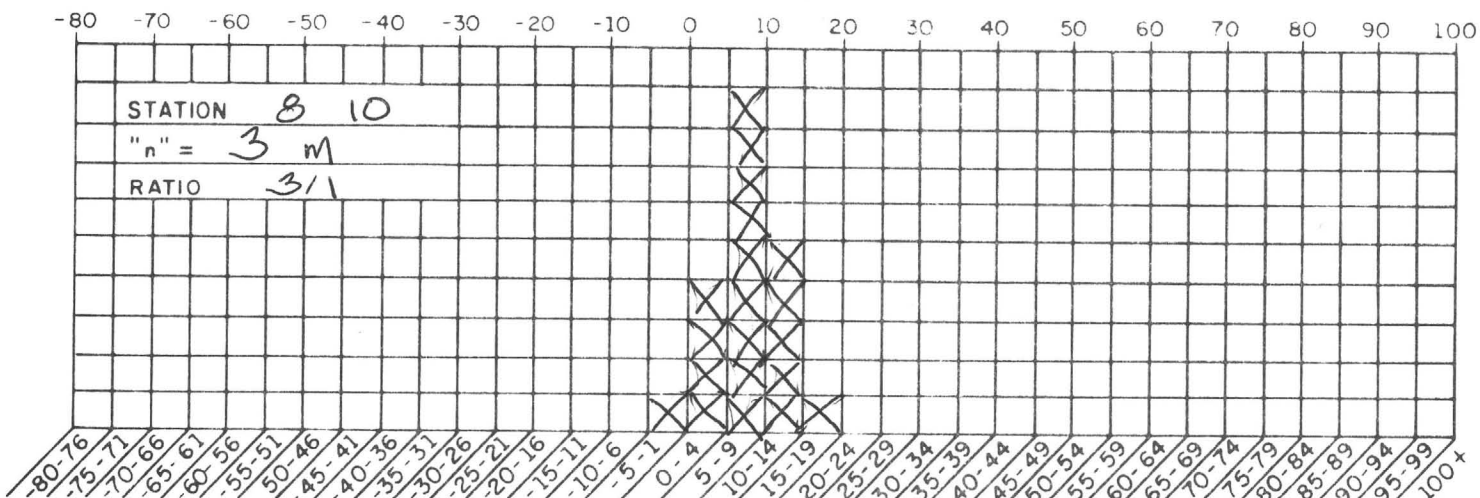
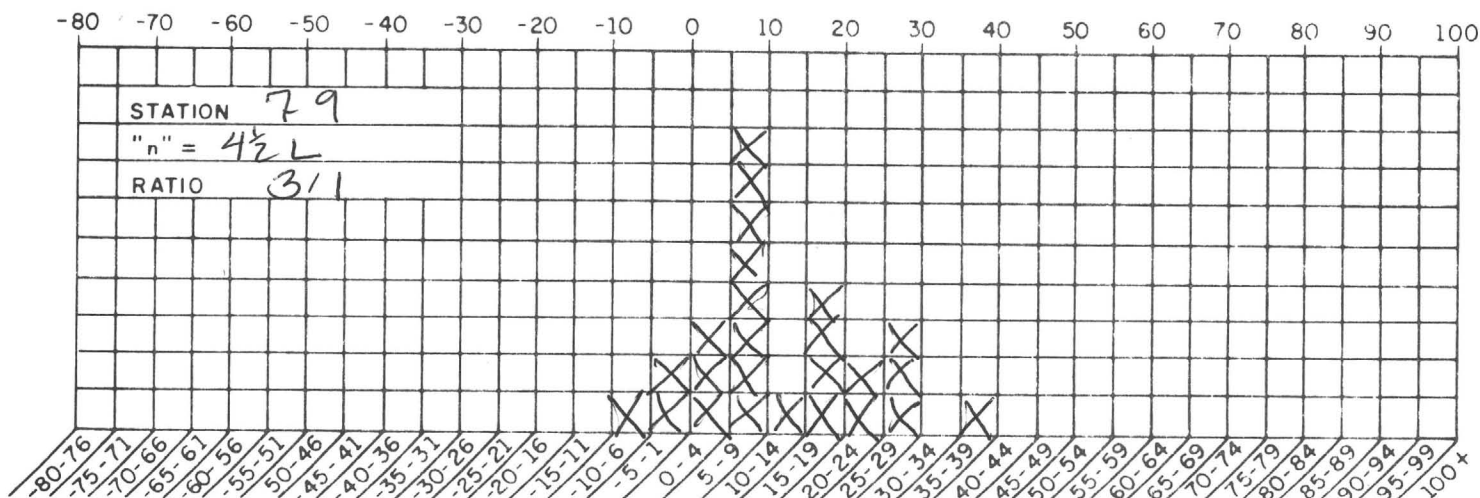
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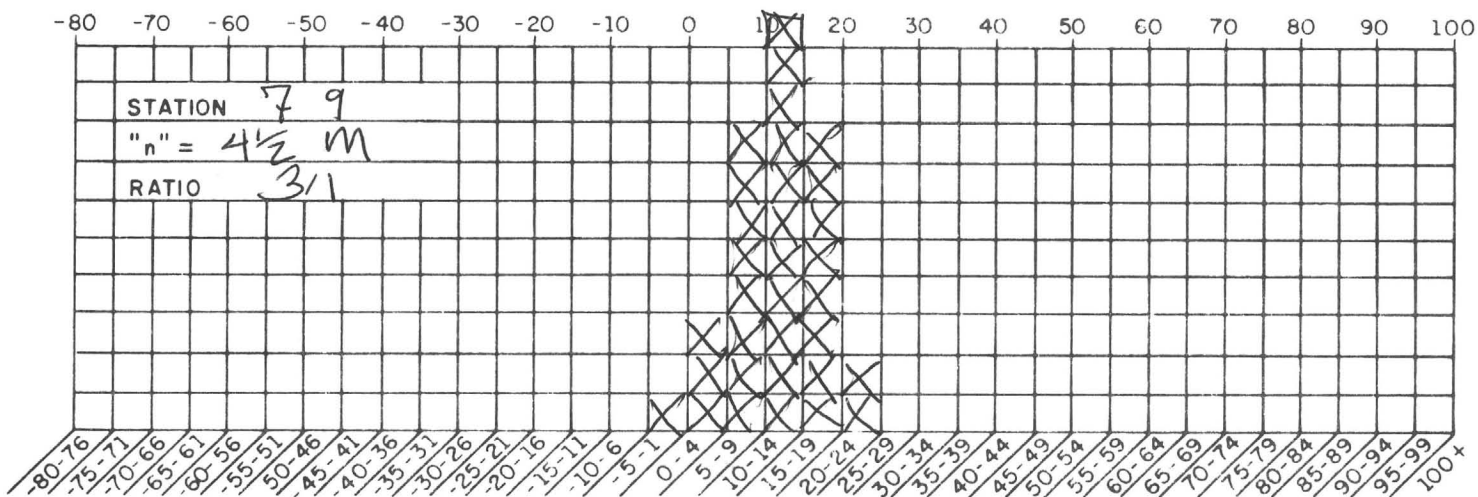
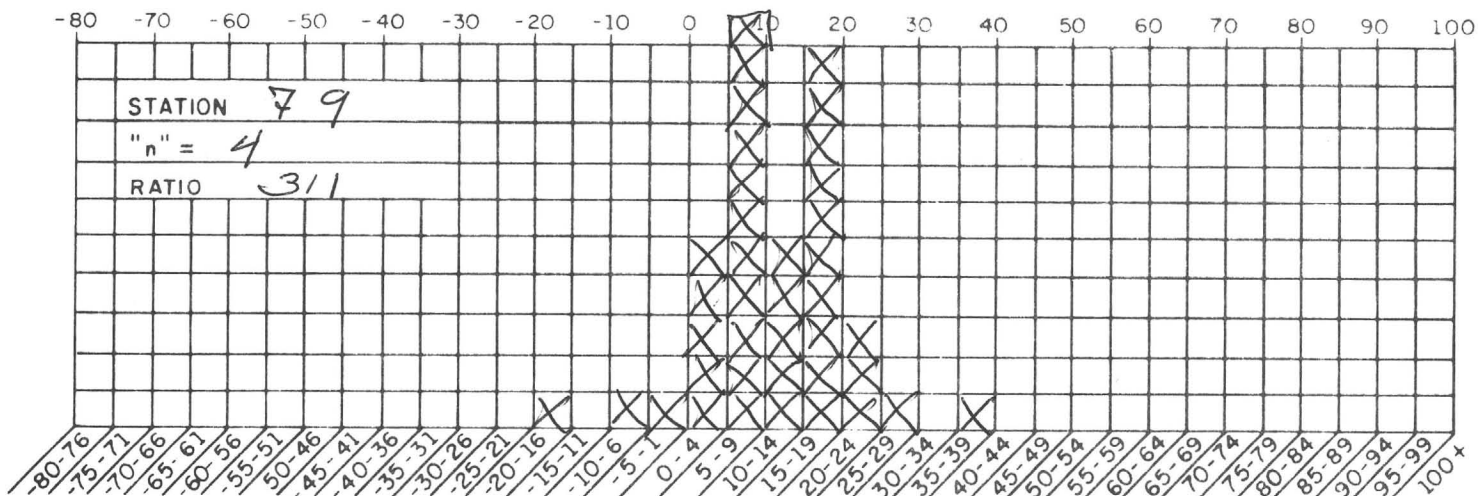
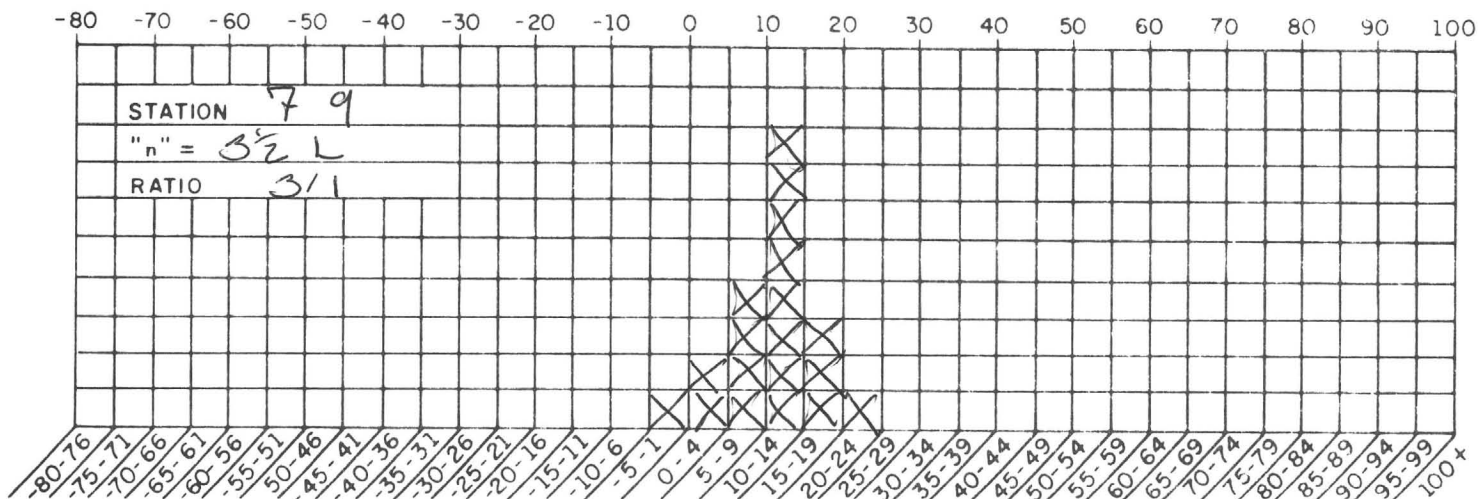
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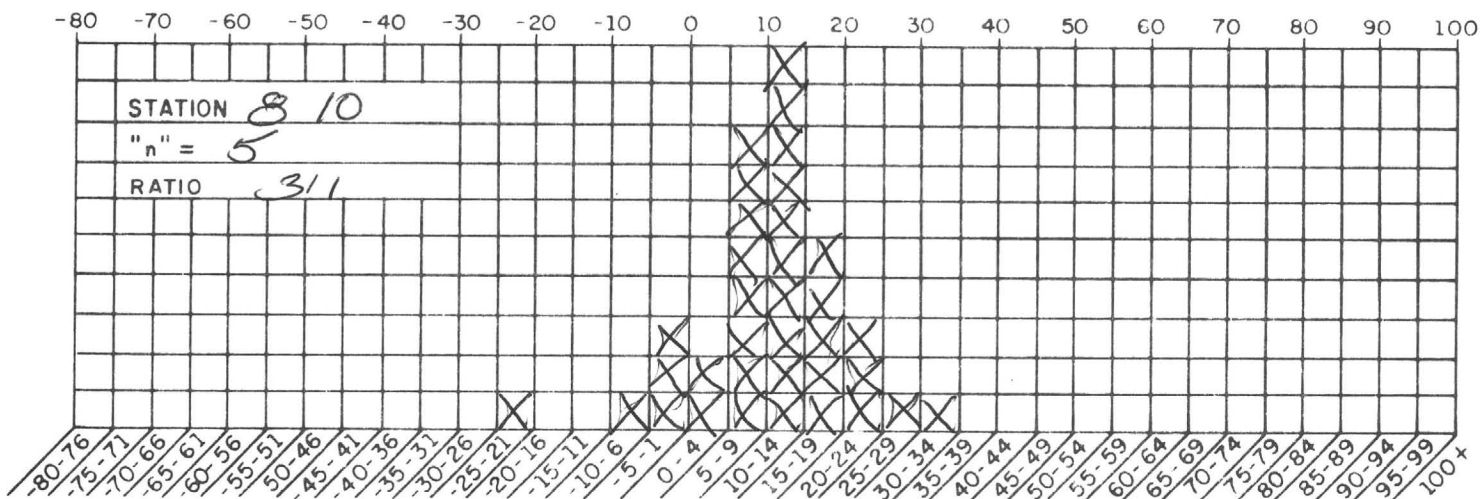
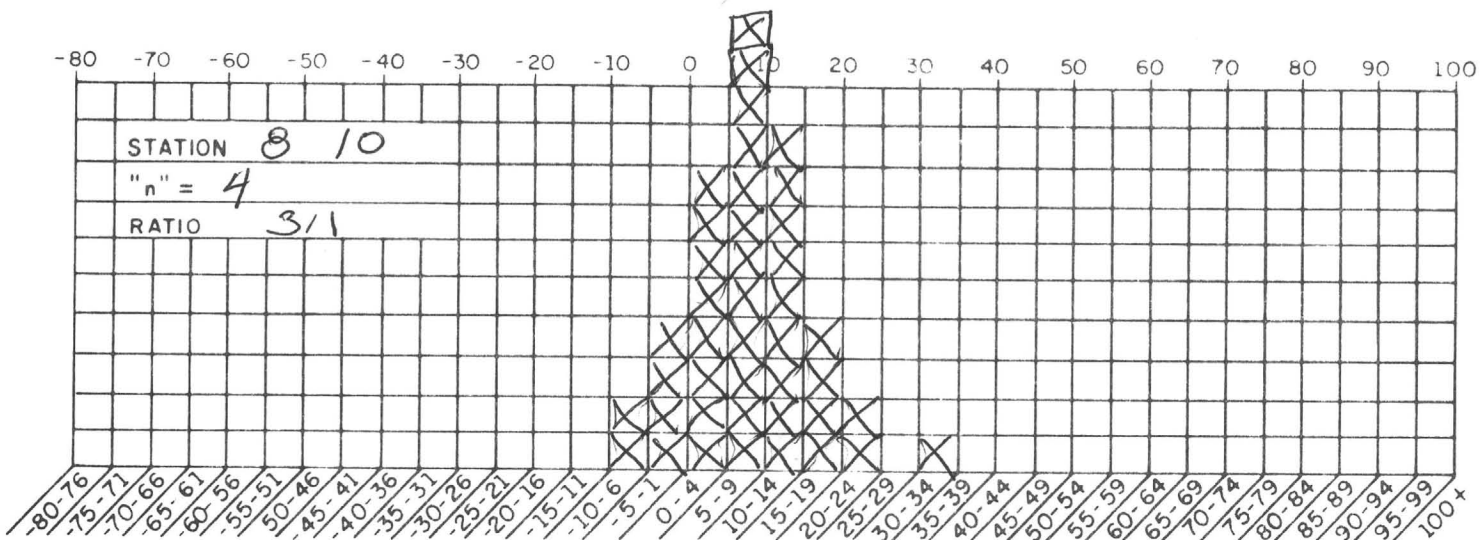
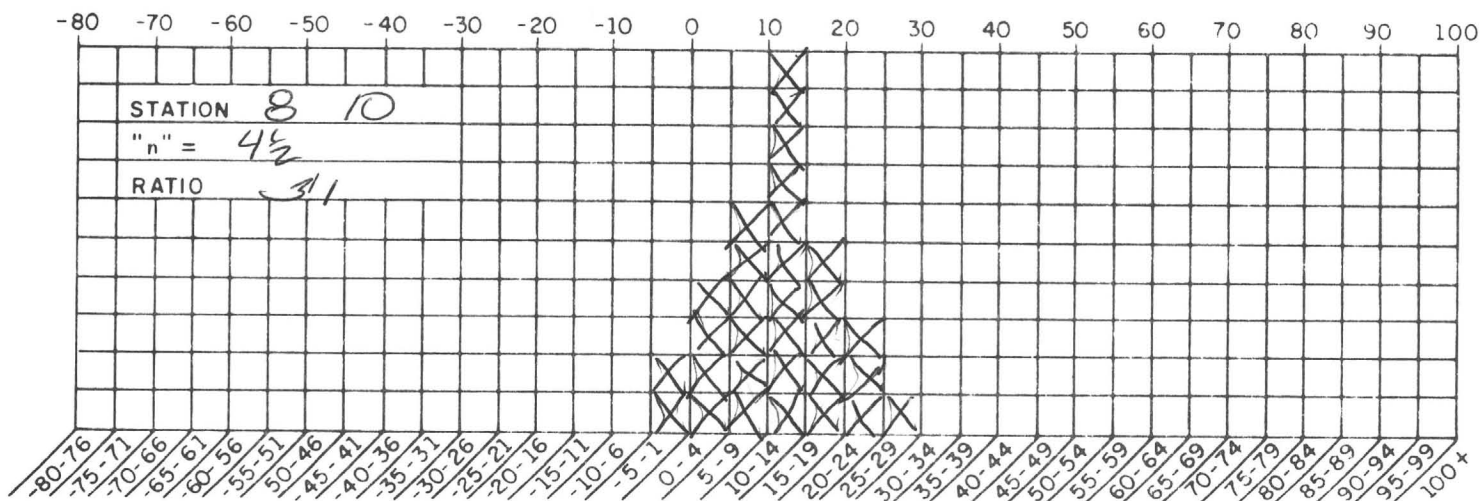


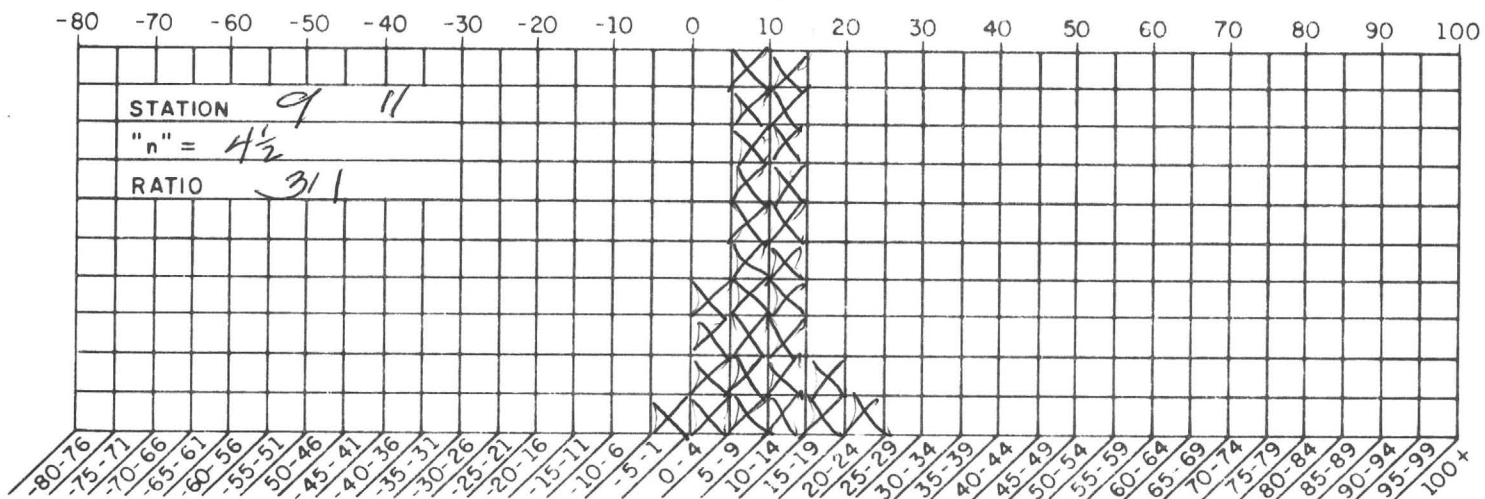
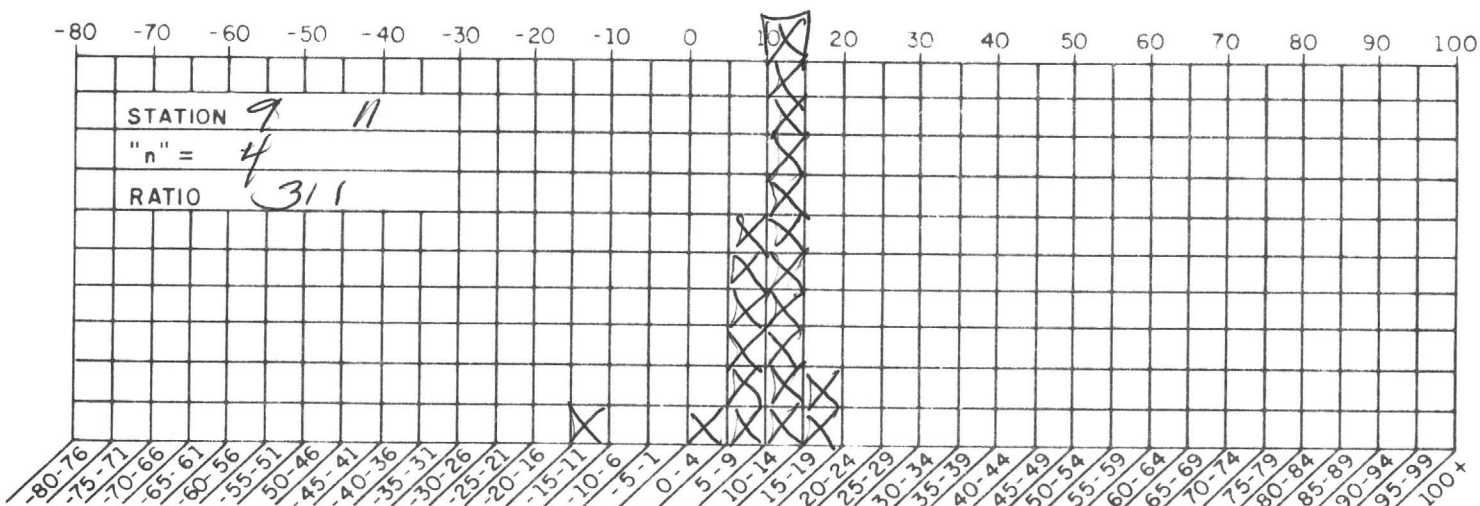
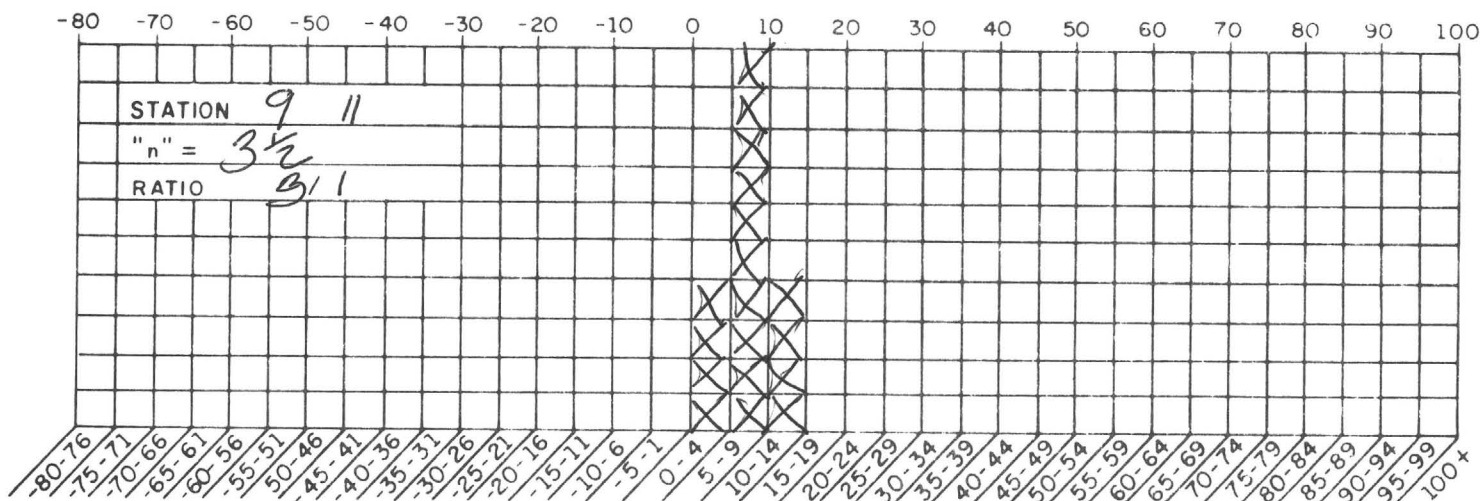


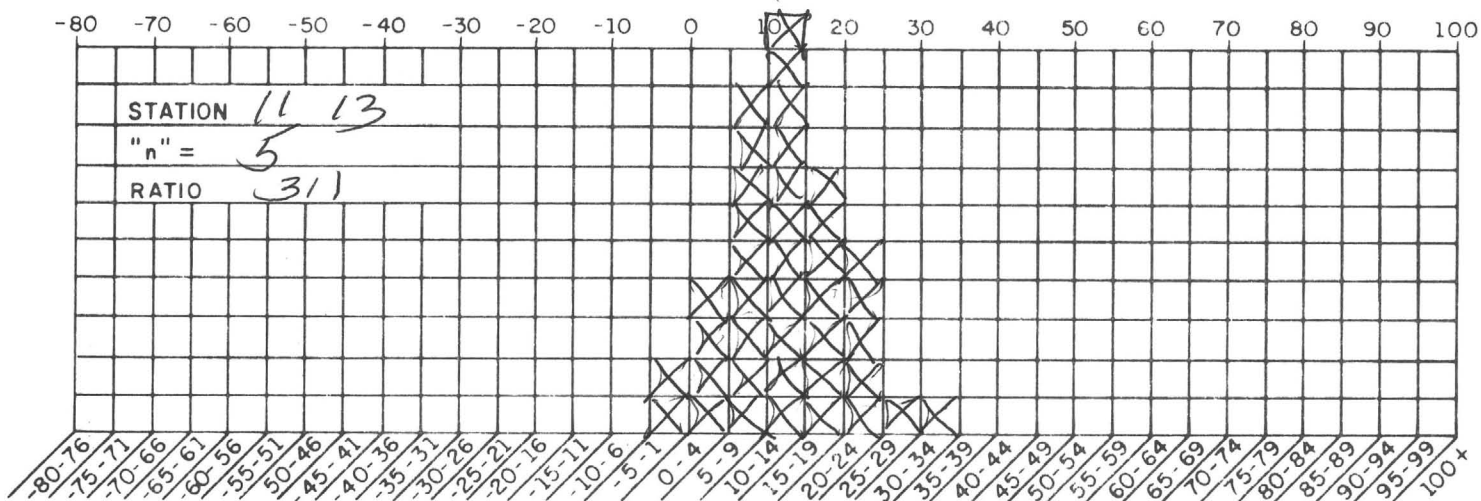
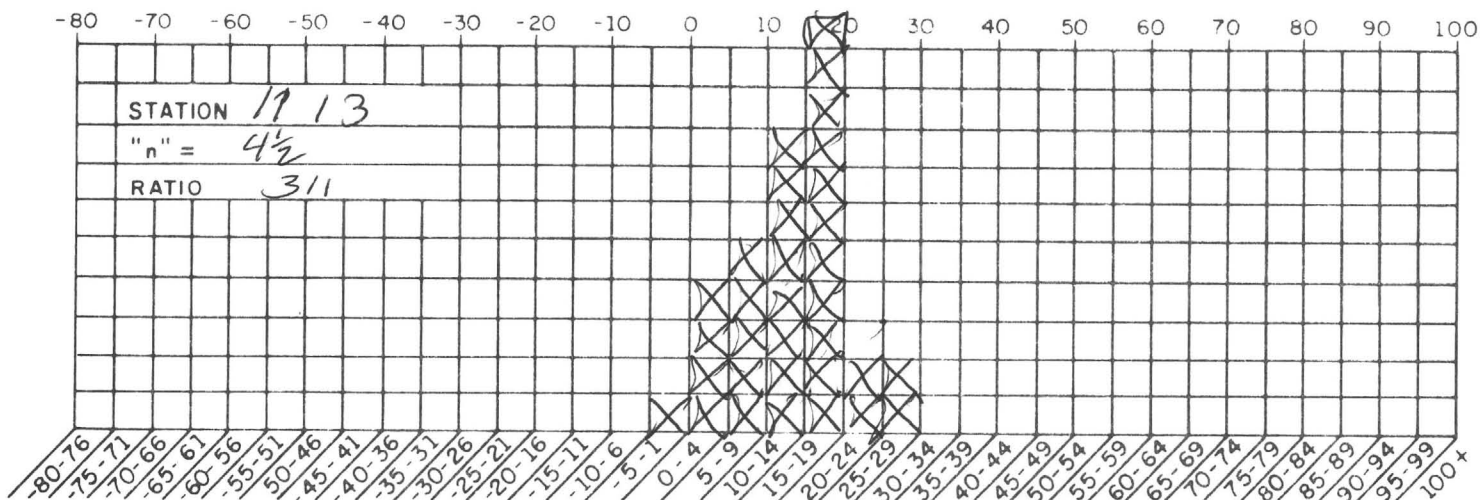
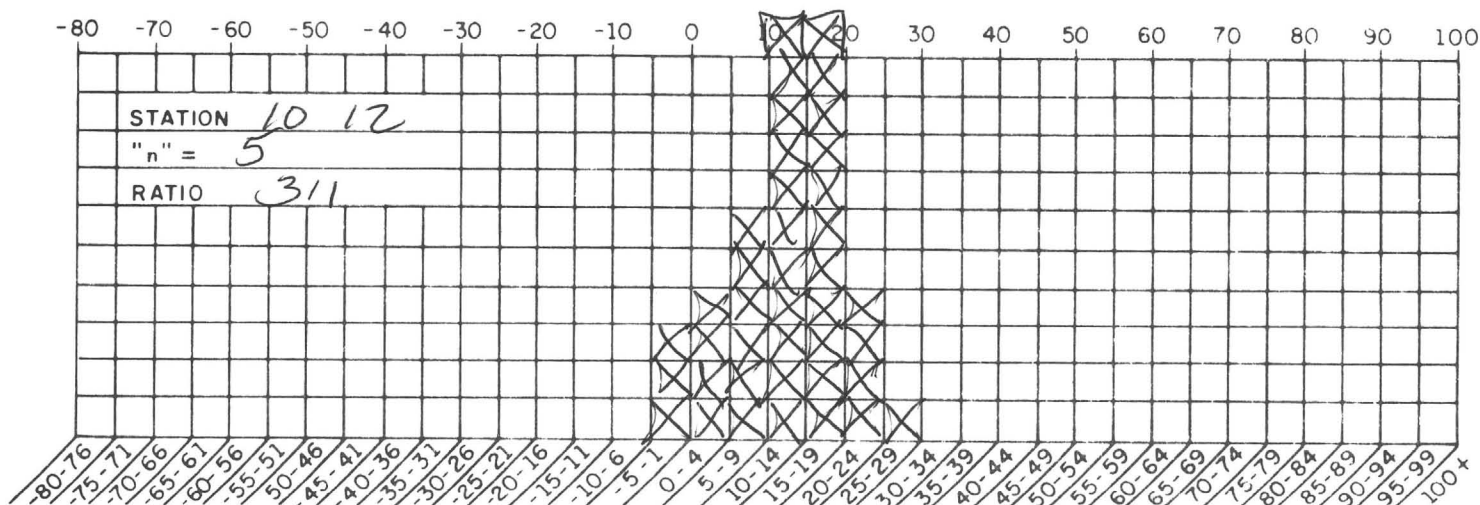


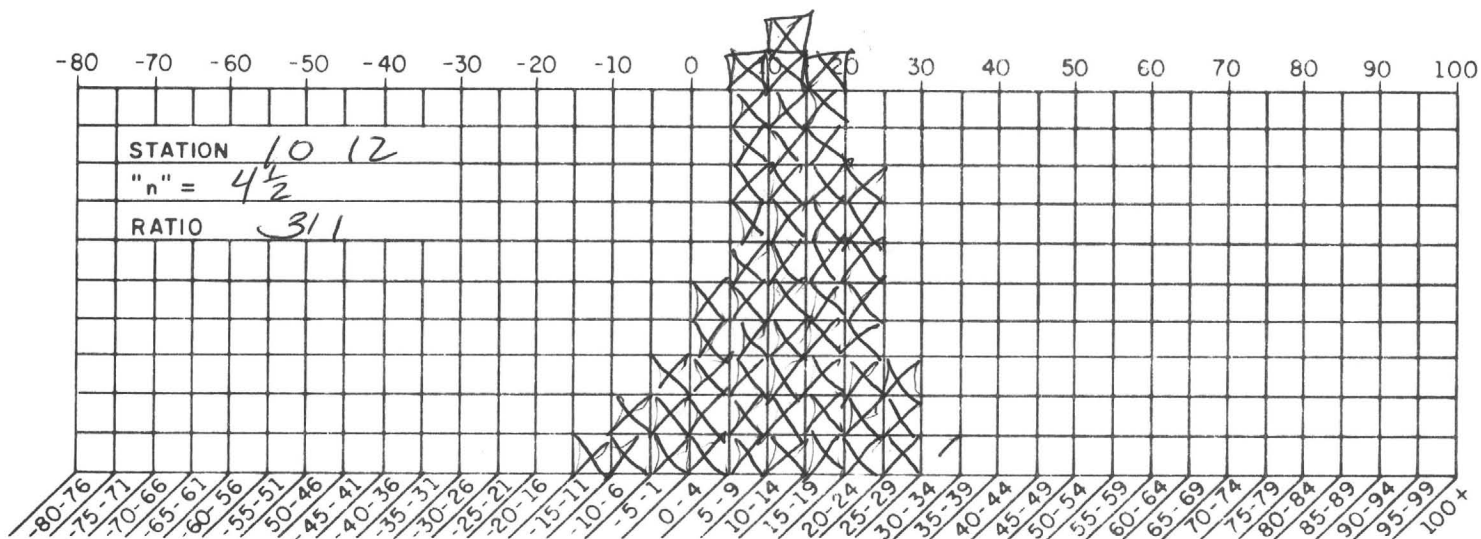
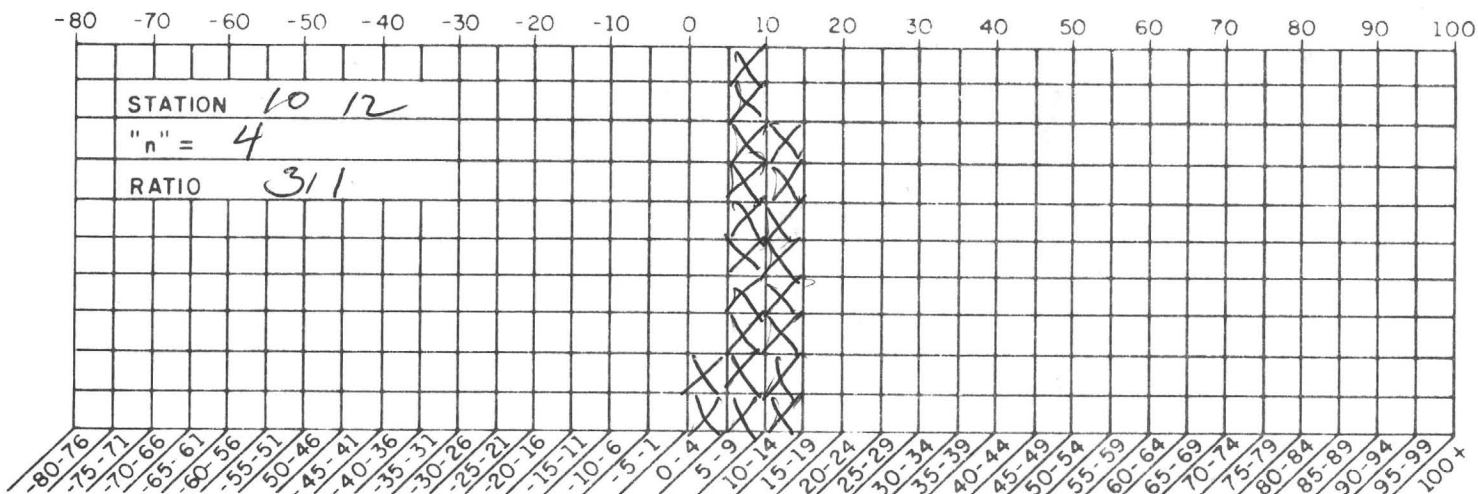
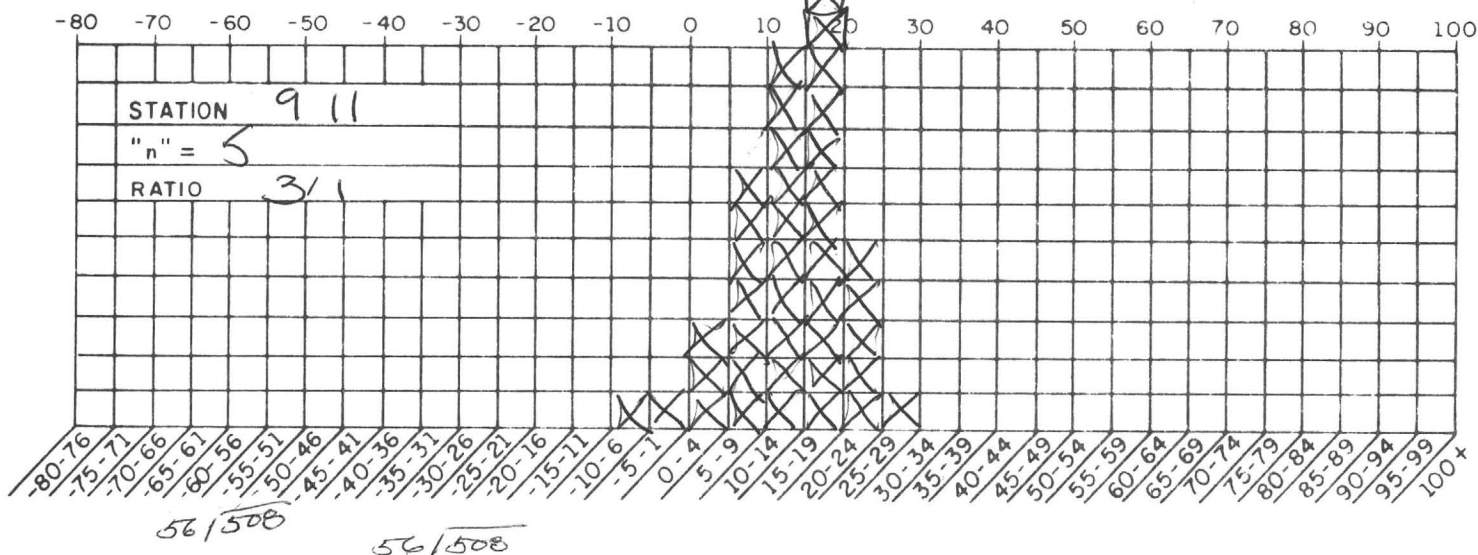












MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

L-3 Spd 2 SE

| Project: SAFFORD | | Client: | | Date: |
|------------------|-----|---------------|----------|---------|
| 0237 | | ESSEX INT INC | | 9/11/72 |
| TIME | I | VA | COMMENTS | |
| 0-2 | 7.2 | | | |
| -1-1 | 7.2 | | | |
| -2-0 | 7.2 | | | |
| -3-1 | 7.2 | | | |
| -4-2 | 7.2 | | | |
| | | | | |
| 0-2 | 7.2 | | | |
| -1-1 | 7.2 | | | |
| -2-0 | 7.2 | | | |
| -3-1 | 7.2 | | | |
| -4-2 | 7.2 | | | |
| | | | | |
| 0-2 | 7.2 | | | |
| -1-1 | 7.2 | | | |
| -2-0 | 7.2 | | | |
| -3-1 | 7.2 | | | |
| -4-2 | 7.2 | | | |
| | | | | |
| 0-2 | 7.2 | | | |
| -1-1 | 7.2 | | | |
| -2-0 | 7.2 | | | |
| -3-1 | 7.2 | | | |
| | | | | |

INDUCED POLARIZATION SURVEY

[illegible]

| I | LINE | DIRECTION | to space | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | Rx |
|--------|--|-----------|----------|-------|-----------------|---------|------|----------|------|
| 1 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 | | | | | | | | |
| 4 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| TIME T | Rx | Tx | n | RANGE | MULT | CURRENT | fo | Mz | RDG |
| 1 | 2 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 |
| 2 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 5 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 6 | 4 | 5 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 6 |
| 7 | 5 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 7 |
| 8 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 6 |
| 9 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 10 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 11 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 12 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 13 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 14 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 15 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 16 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 17 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 18 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 19 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 20 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 21 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 22 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 23 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 24 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 25 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 26 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 27 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 28 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 29 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 30 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 31 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 32 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 33 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 34 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 35 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 36 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 37 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 38 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 39 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 40 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 41 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 42 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 43 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 44 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 45 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 46 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 47 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 48 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 49 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 50 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 51 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 52 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 53 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 54 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 55 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 56 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 57 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 58 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 59 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 60 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 61 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 62 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 63 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 64 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 65 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 66 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 67 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 68 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 69 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 70 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 71 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 72 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 73 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 74 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 75 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 76 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |
| 77 | 3 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 6 |
| 78 | 4 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 7 |
| 79 | 1 | 1000 | 1.70 | 7.5 | 130m | 1 | 1 | 1 | 6 |
| 80 | 2 | 300 | 1.65 | 7.5 | 150m | 1 | 1 | 1 | 8 |

1. INTRODUCTION AND SPECIFICITY SURVEY

| I | LINE | DIRECTION | "G" spce | DATE | ELECTRODE ARRAY | PROJECT | UNIT | OPERATOR | Rx | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 4 | 1 | NW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

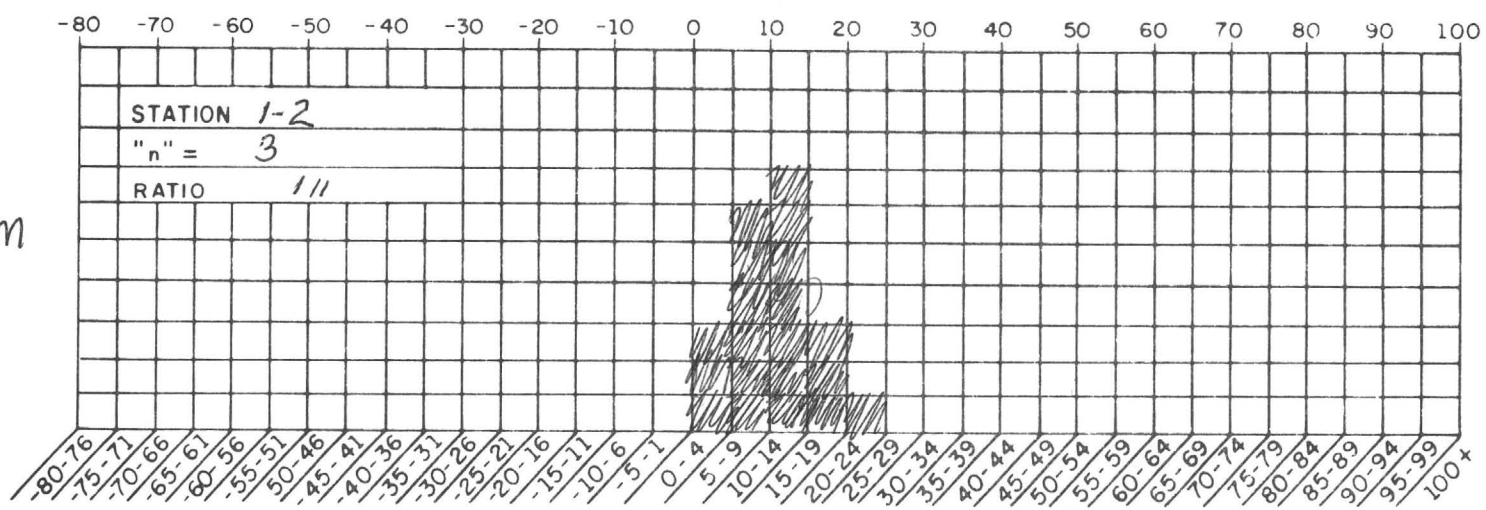
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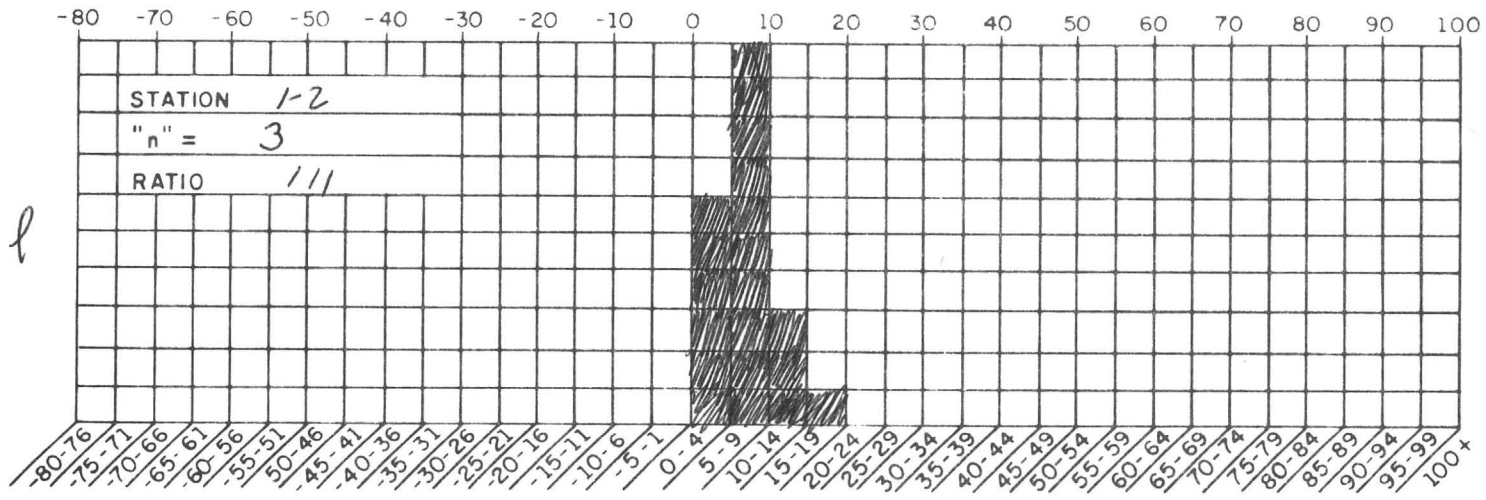
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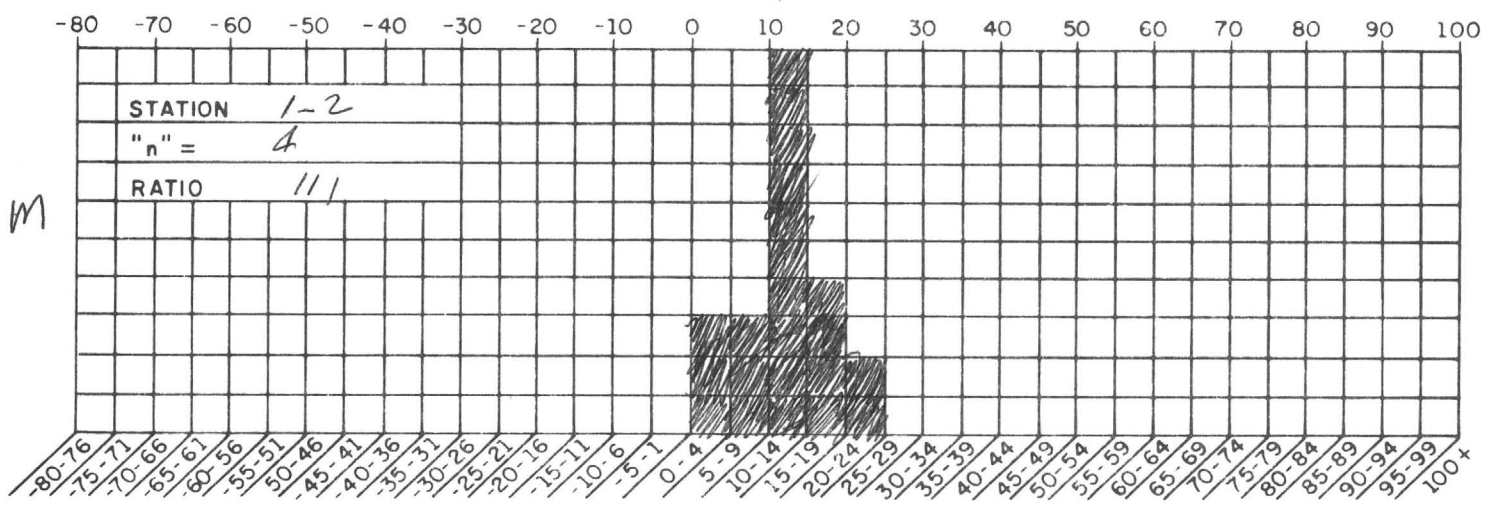
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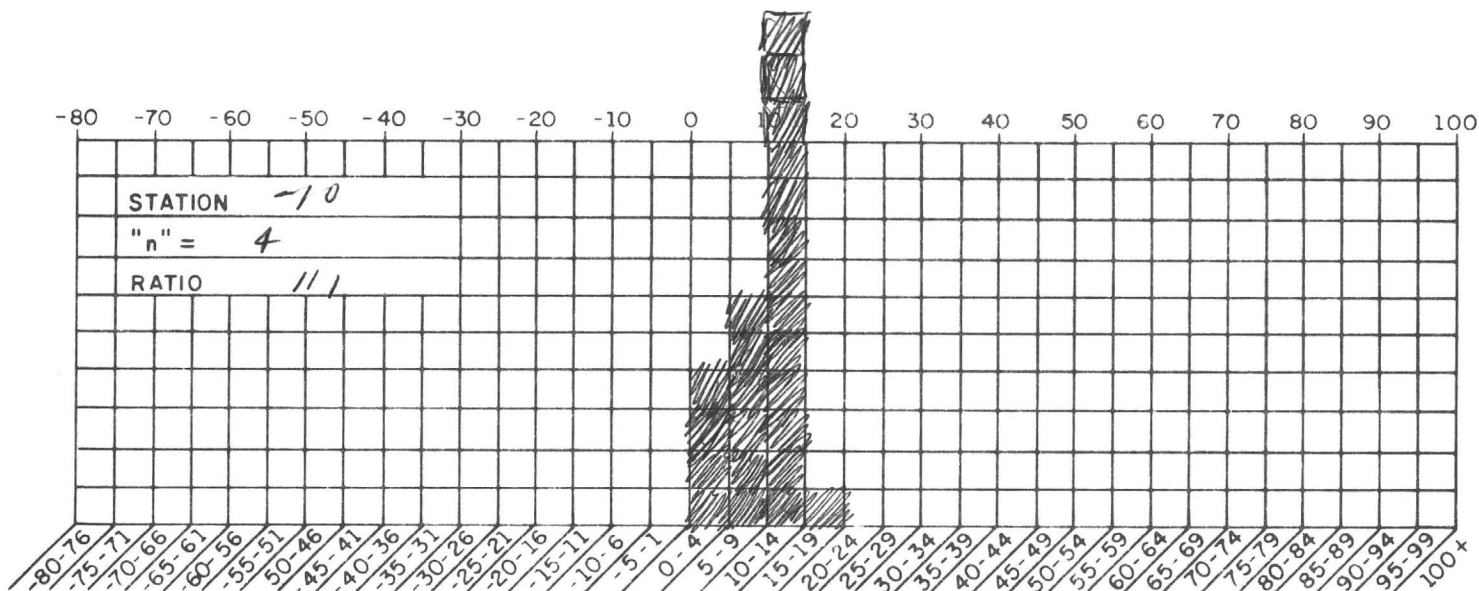
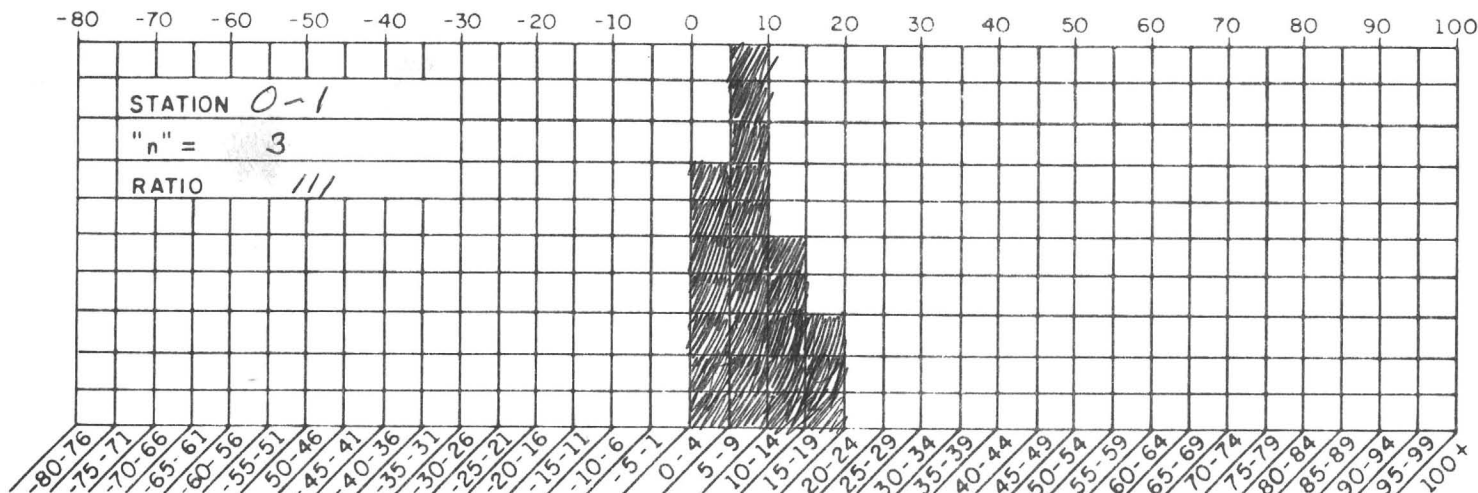
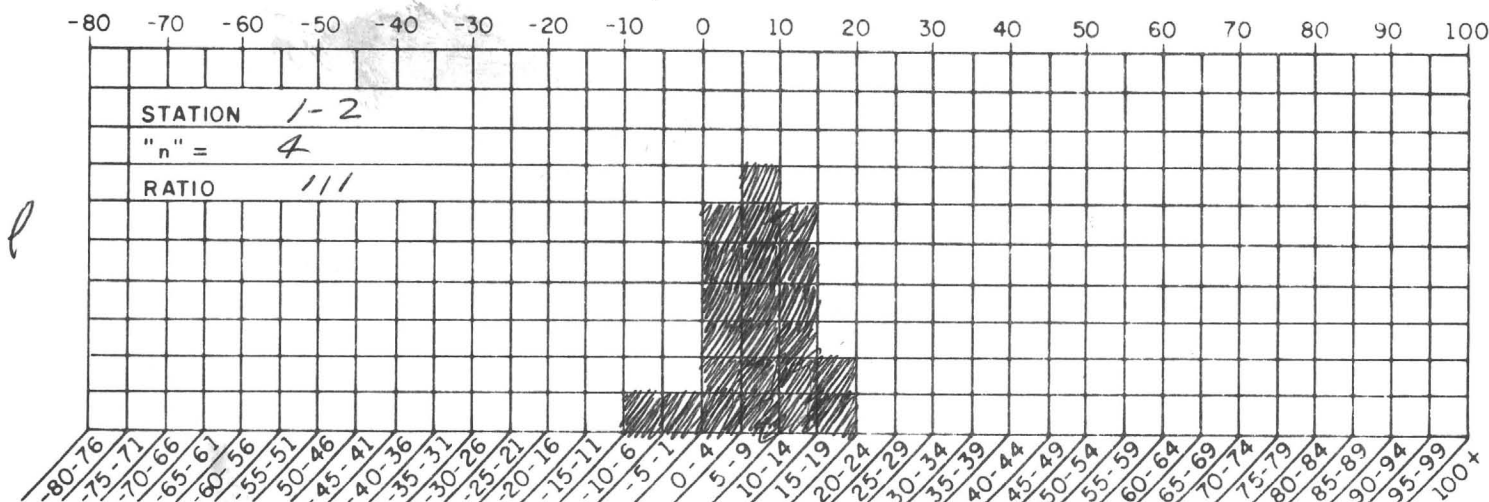


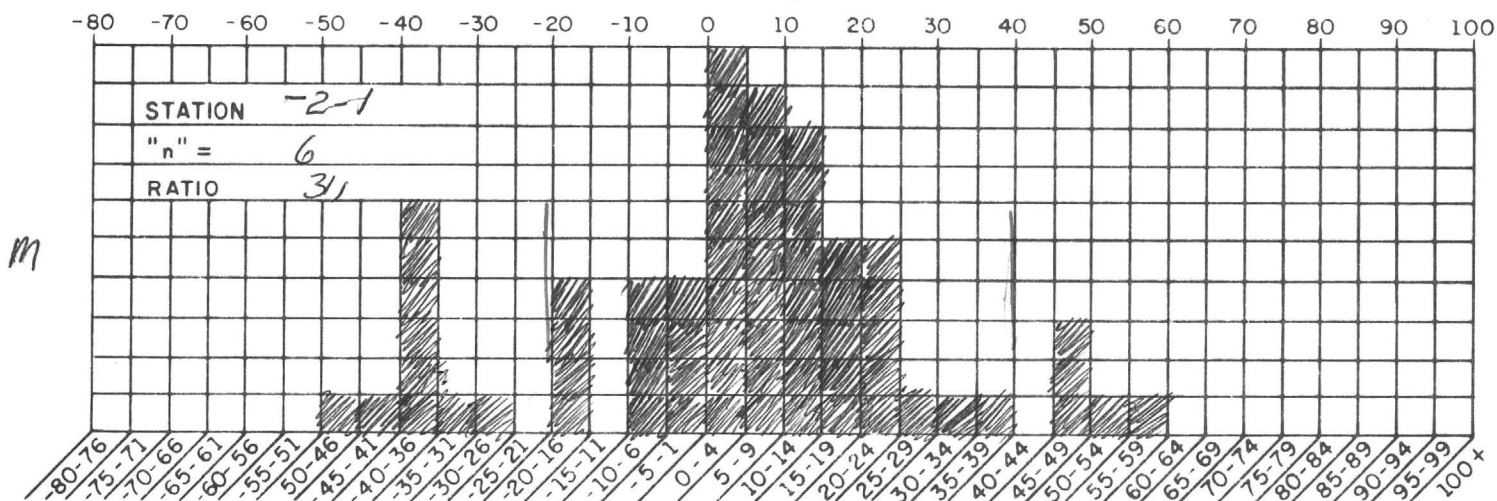
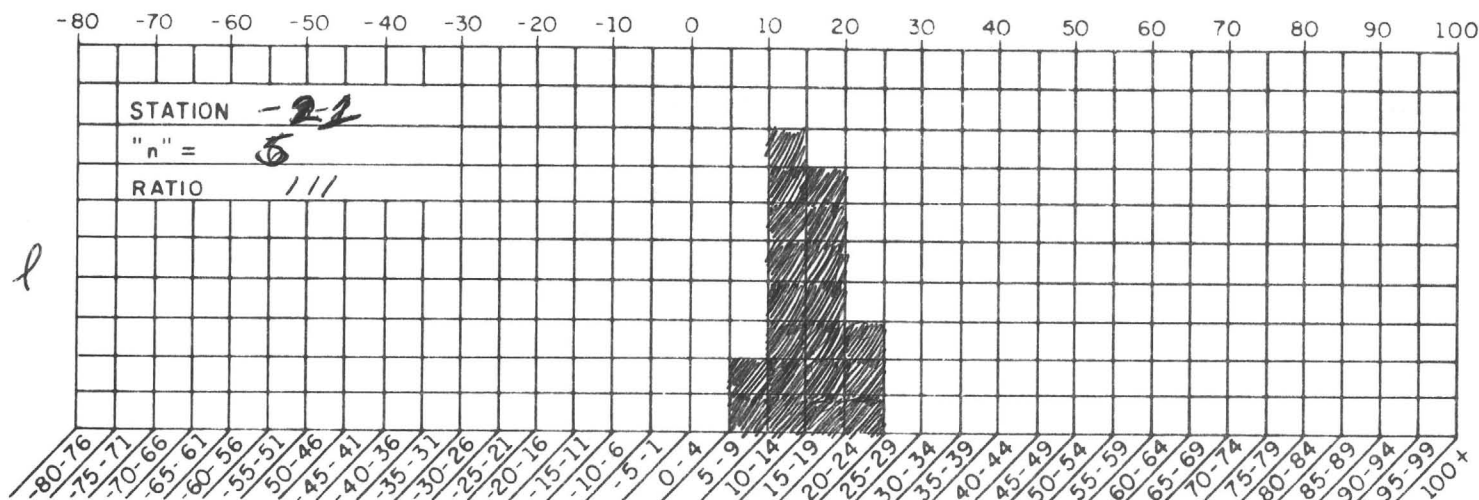
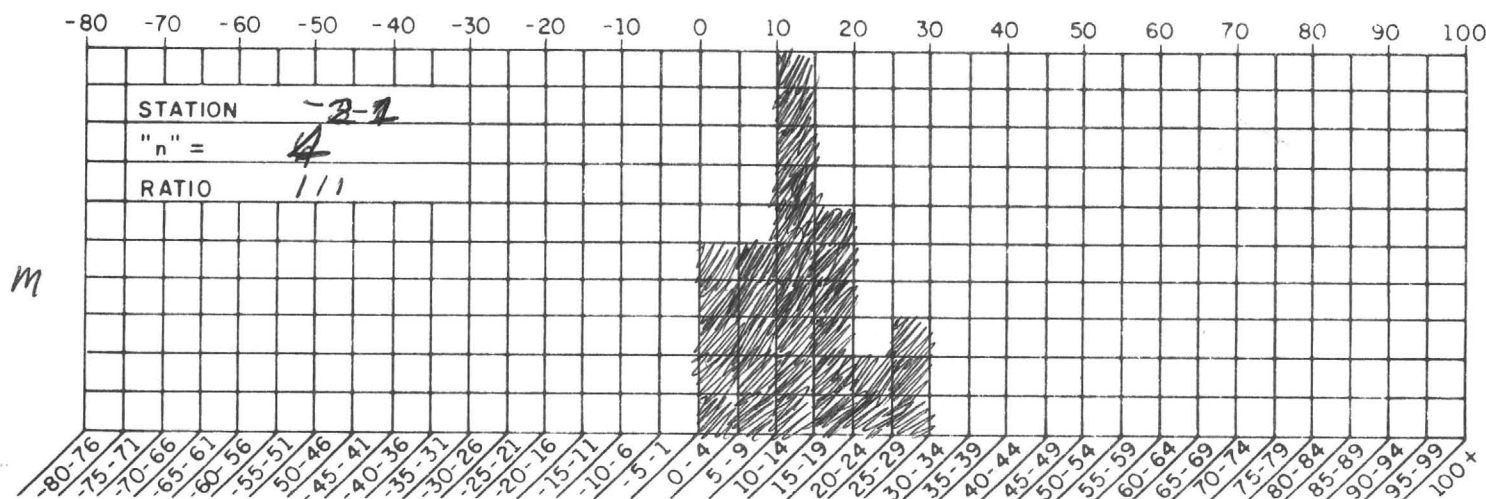
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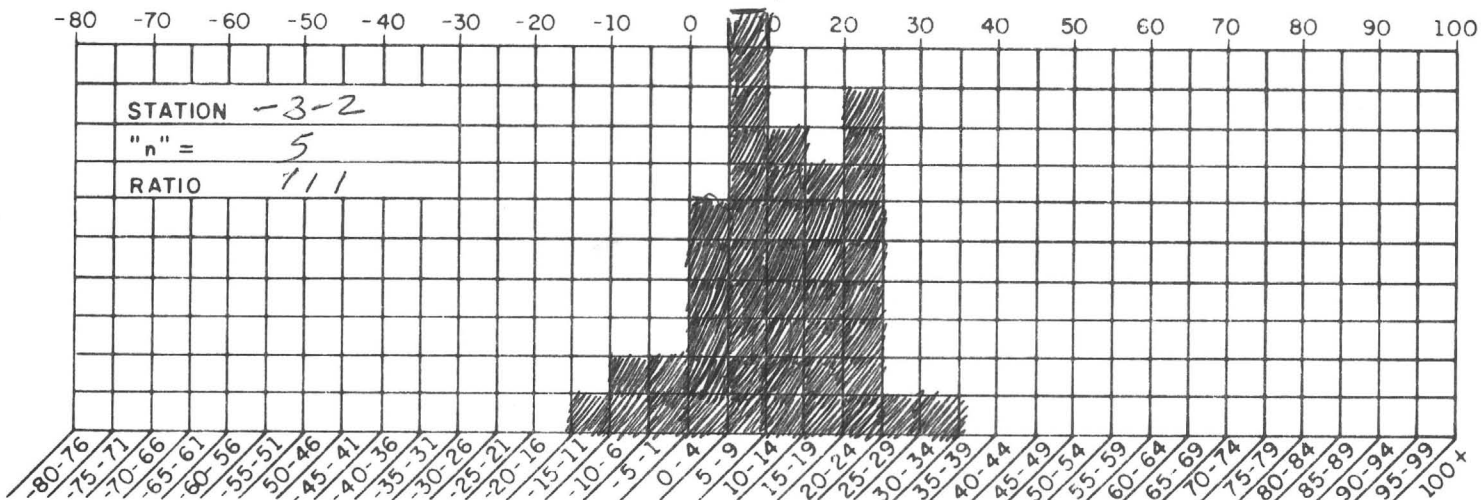
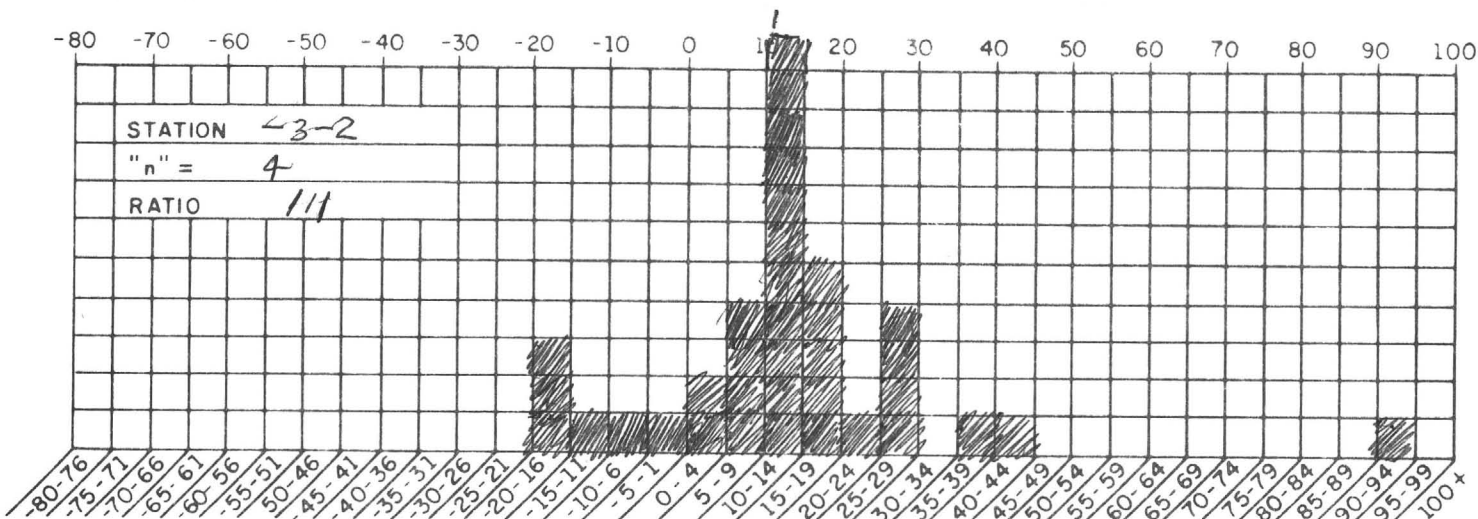
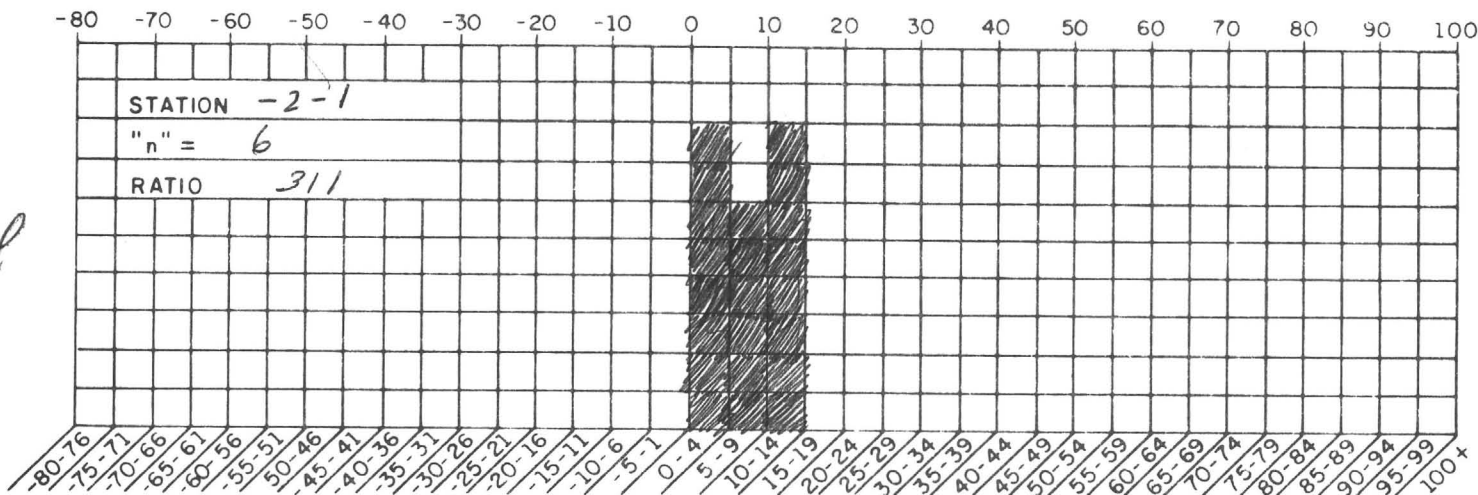


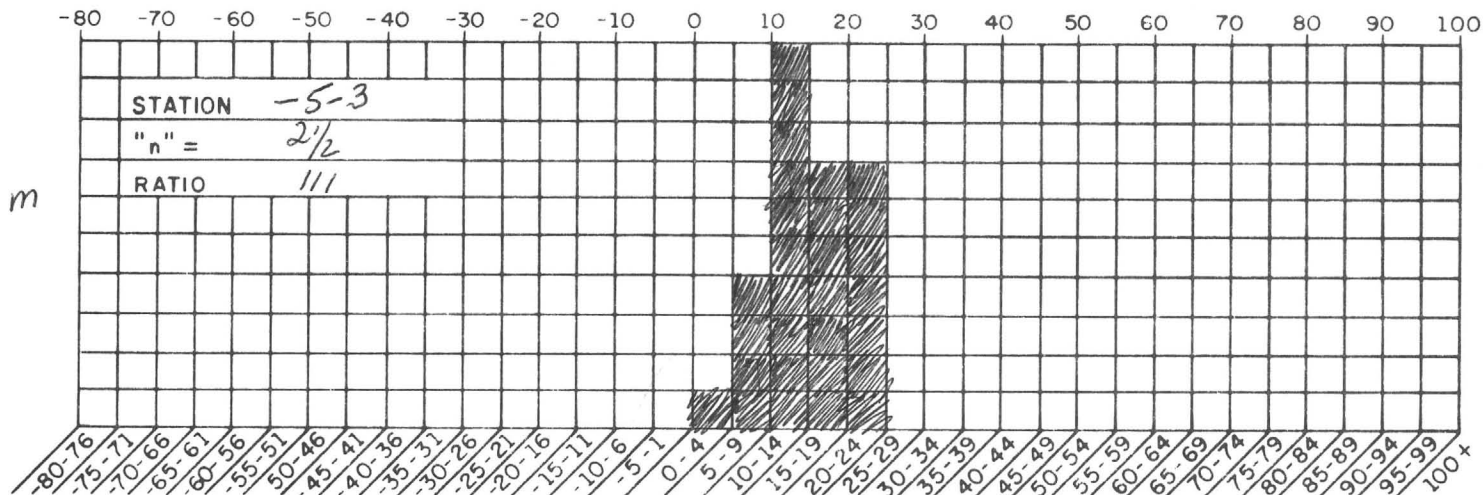
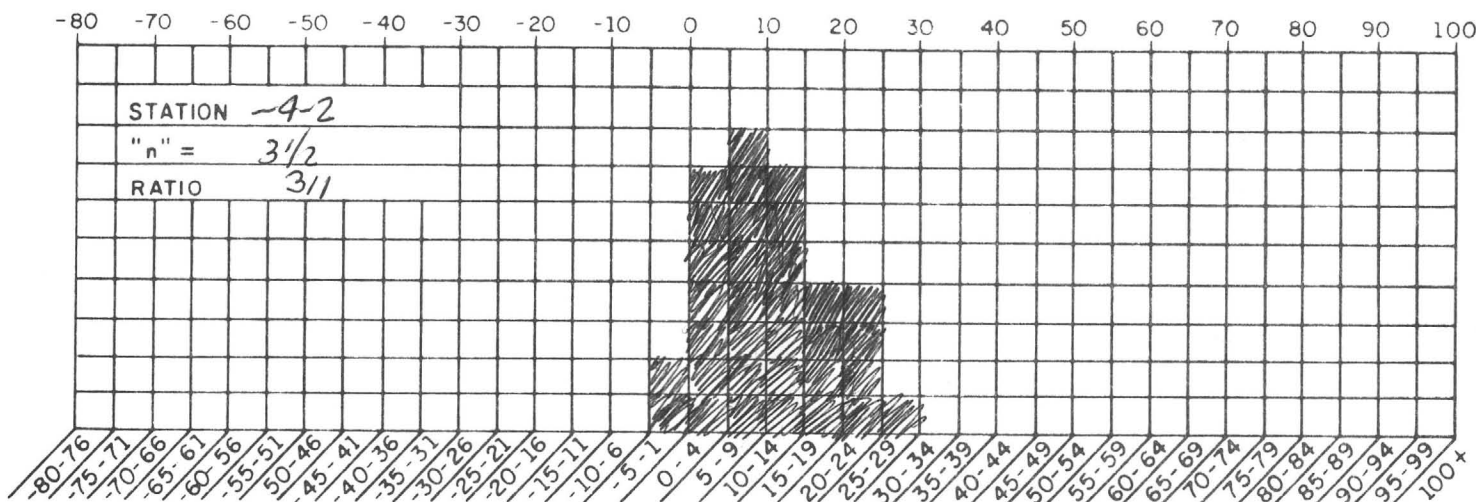
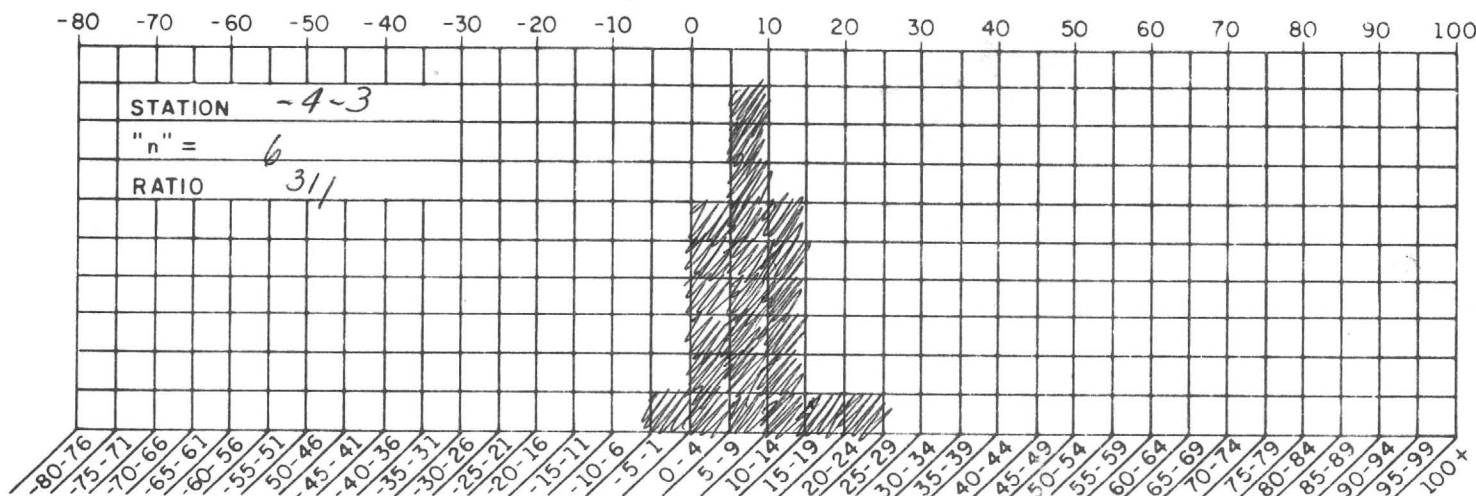
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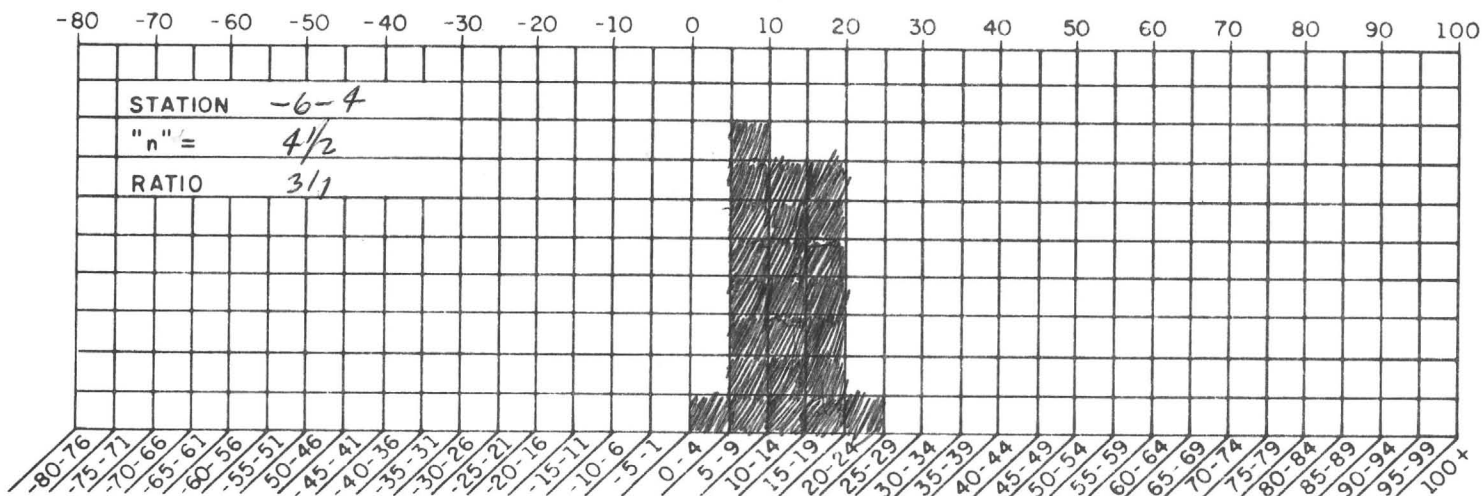
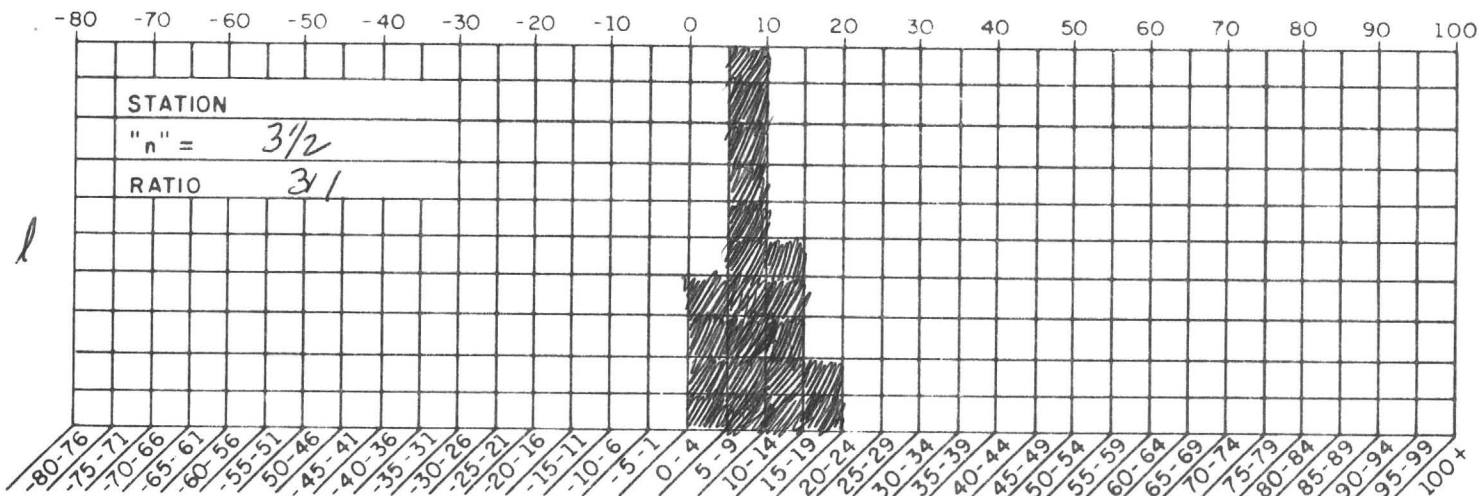
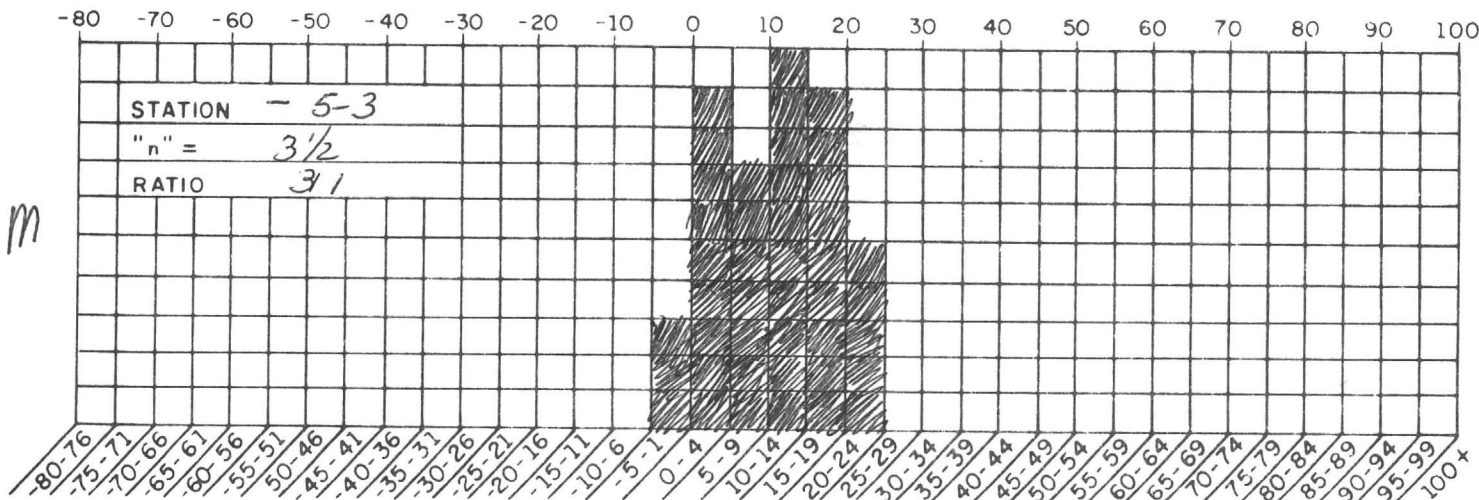


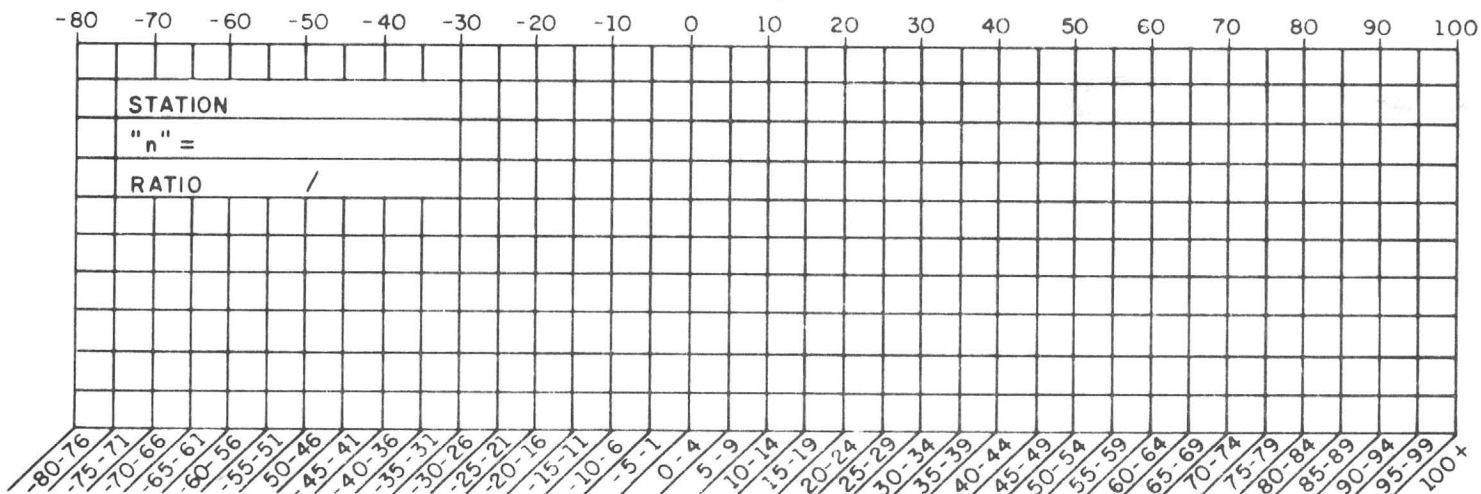
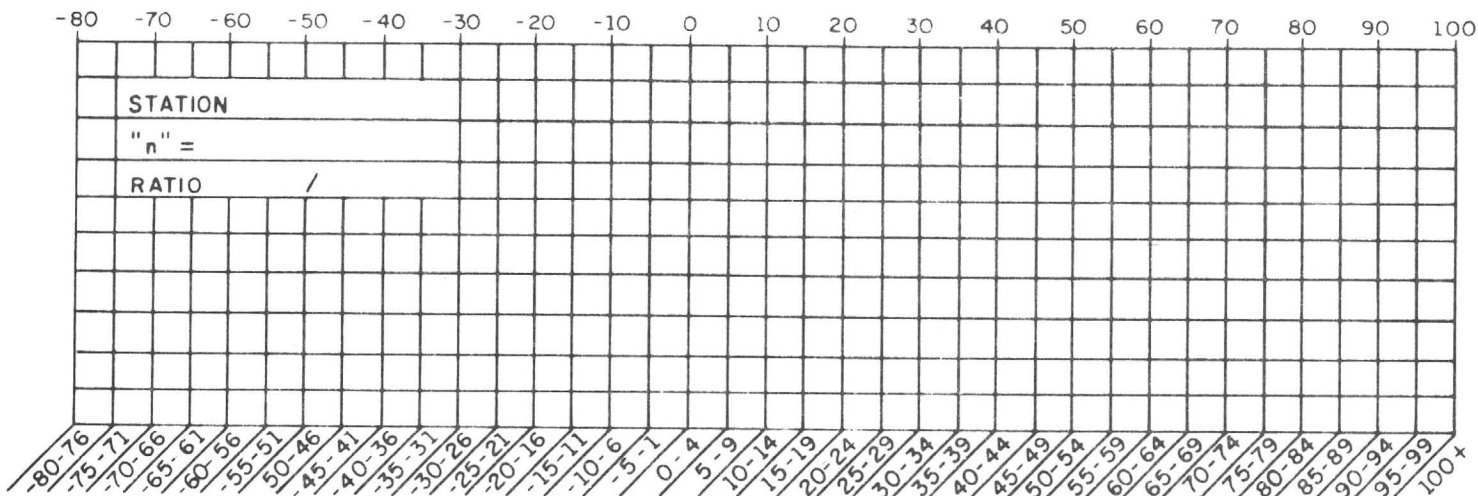
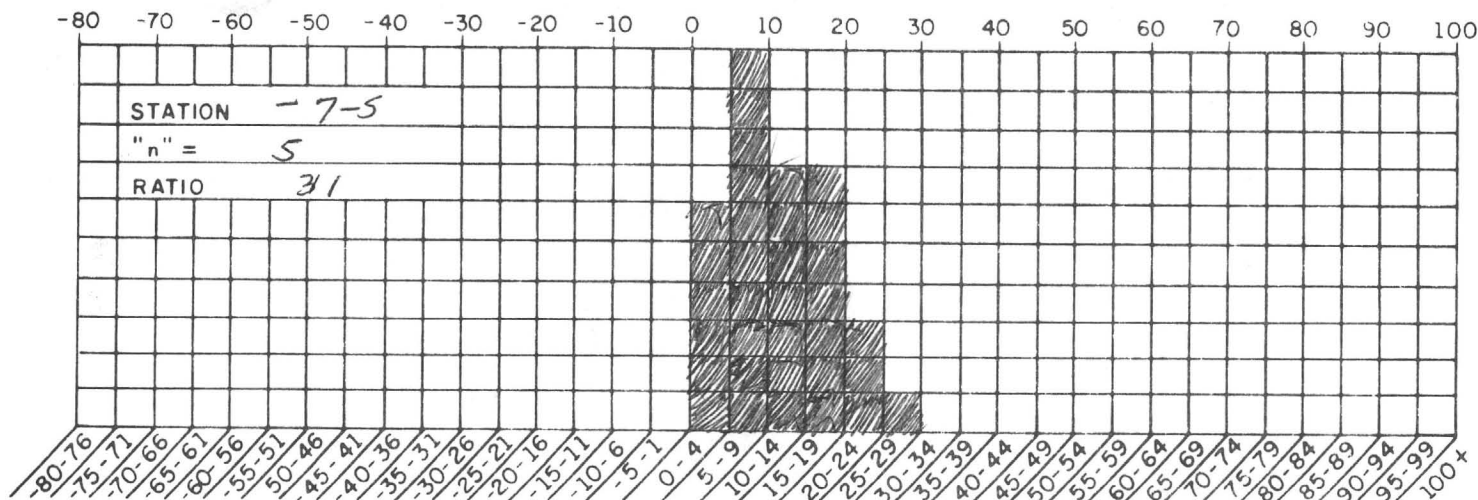












MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

LINE 4 SP.1 NW

RDCW

| Project: | Client: | Date: | |
|----------|---------|---------|----------------------|
| 0237 | ESSEX | 8 29 72 | |
| TIME | I | VA | COMMENTS |
| 14:33 | 7.5 | | 3-4 |
| | 7.5 | | 4-5 |
| | 7.0 | | 5-6 |
| | 7.5 | | 6-7 |
| | | | |
| | 7.5 | | 4-6 $\alpha = 2000'$ |
| | 7.5 | | 5-7 $\alpha = 2000'$ |
| | | | |
| 15:17 | 7.4 | | 2-3 1 |
| | 7.5 | | 3-4 2 |
| | 7.5 | | 4-5 3 |
| | 7.5 | | 5-6 4 |
| | 7.5 | | 6-7 5 |
| | | | |
| | 7.5 | | 3-5 $\frac{1}{2}$ |
| | 7.5 | | 4-6 1 |
| | 7.5 | | 5-7 $1\frac{1}{2}$ |
| | | | |
| 15:49 | 7.0 | | 1-2 1 |
| | 7.4 | | 2-3 2 |
| | 7.5 | | 3-4 3 |
| | 7.5 | | 4-5 4 |
| | 7.5 | | 5-6 5 |

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

| Project: | | Client: | | Date: |
|-------------|-----|---------|--------------------|-------|
| TIME | I | VA | COMMENTS | |
| | 7.5 | | 6-7 | |
| | | | | |
| | 7.3 | | 2-4 $\frac{1}{2}$ | |
| | 7.5 | | 3-5 1 | |
| | 7.5 | | 4-6 $1\frac{1}{2}$ | |
| | 7.5 | | 5-7 2 | |
| | | | | |
| | 7.0 | | 1-2 2 | |
| | 7.3 | | 2-3 3 | |
| | 7.5 | | 3-4 4 | |
| | 7.5 | | 4-5 5 | |
| | 7.4 | | 5-6 6 | |
| <u>8/29</u> | | | | |
| 8:30 | 7.5 | | 1-3 $\frac{1}{2}$ | |
| | 7.3 | | 2-4 1 | |
| | 7.5 | | 3-5 $1\frac{1}{2}$ | |
| | 7.3 | | 4-6 2 | |
| | 7.5 | | 5-7 $2\frac{1}{2}$ | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

LINE 4 SPDI NW

ROW

| Project: | | Client: | | Date: | |
|----------|-------|---------|----------|---------|--|
| 0237 | | ESSEX | | 8 30 72 | |
| TIME | I | VA | COMMENTS | | |
| 8:46 | 7.0 | | 1-2 | 3 | |
| | 7.3 | | 2-3 | 4 | |
| | 7.5 | | 3-4 | 5 | |
| | 7.5 | | 4-5 | 6 | |
| | | | | | |
| | 7.5 * | | 1-3 | 1 | |
| | 7.3 | | 2-4 | 1½ | |
| | 7.5 | | 3-5 | 2 | |
| | 7.4 | | 4-6 | 2½ | |
| | 7.5 | | 5-7 | 3 | |
| | | | | | |
| | 7.0 | | 1-2 | 4 | |
| | 7.3 | | 2-3 | 5 | |
| | 7.5 | | 3-4 | 6 | |
| | | | | | |
| | 7.5 | | 1-3 | 1½ | |
| | 7.3 | | 2-4 | 2 | |
| | 7.5 | | 3-5 | 2½ | |
| | 7.4 | | 4-6 | 3 | |
| | 7.5 | | 5-7 | 3½ | |
| | | | | | |
| | | | | | |
| | | | | | |

INDUCED POLARIZATION SURVEY

| Project: | | Client: | | Date: |
|----------|-----|---------|----------|-------|
| TIME | I | VA | COMMENTS | |
| | 7.5 | | 1-3 | 2 |
| | 7.3 | | 2-4 | 2½ |
| | 7.5 | | 3-5 | 3 |
| | 7.3 | | 4-6 | 3½ |
| | 7.5 | | 5-7 | 4 |
| 12:00 | 7.5 | | 1-3 | 2½ |
| | 7.3 | | 2-4 | 3 |
| | 7.5 | | 3-5 | 3½ |
| | 7.3 | | 4-6 | 4 |
| | 7.5 | | 5-7 | 4½ |
| | 7.5 | | 1-3 | 3 |
| | 7.3 | | 2-4 | 3½ |
| | 7.5 | | 3-5 | 4 |
| | 7.3 | | 4-6 | 4½ |
| | 7.5 | | 5-7 | 5 |

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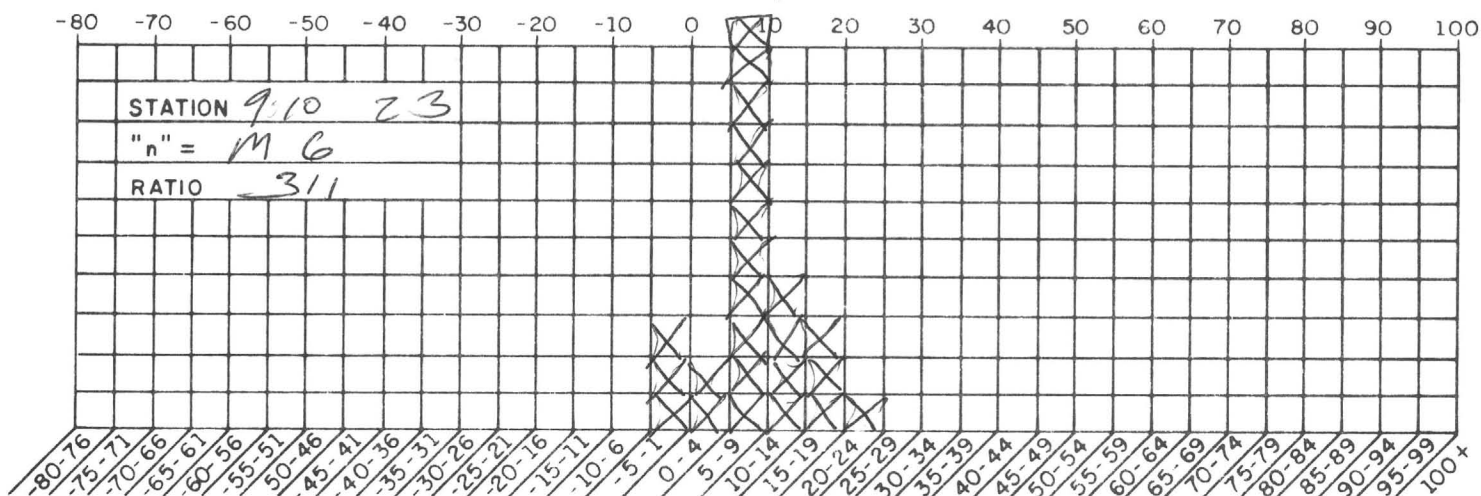
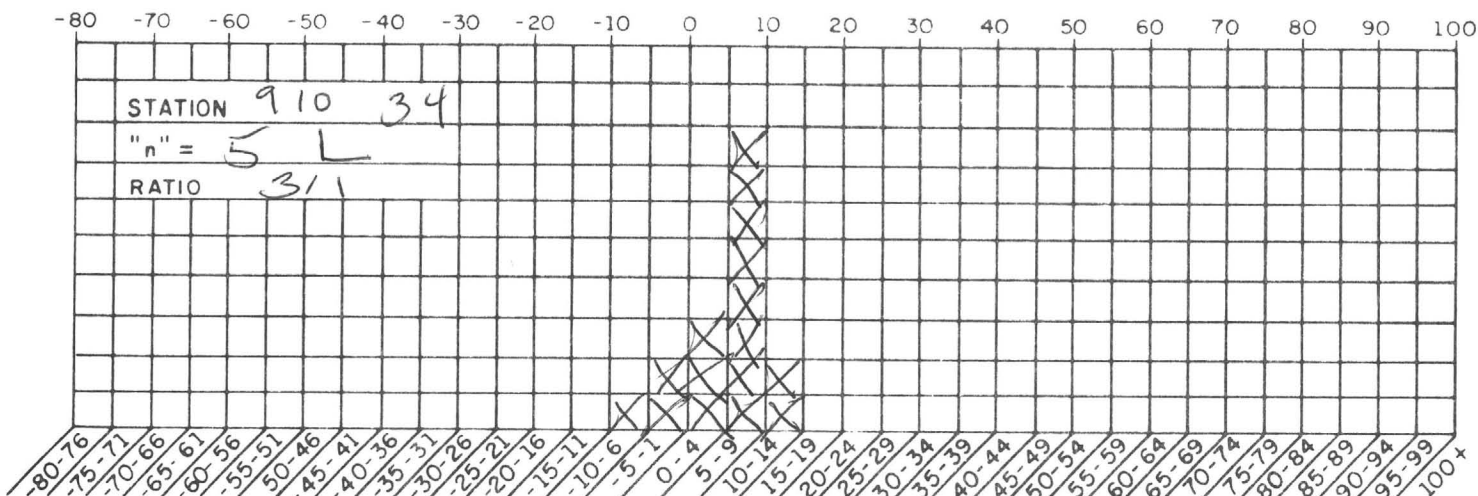
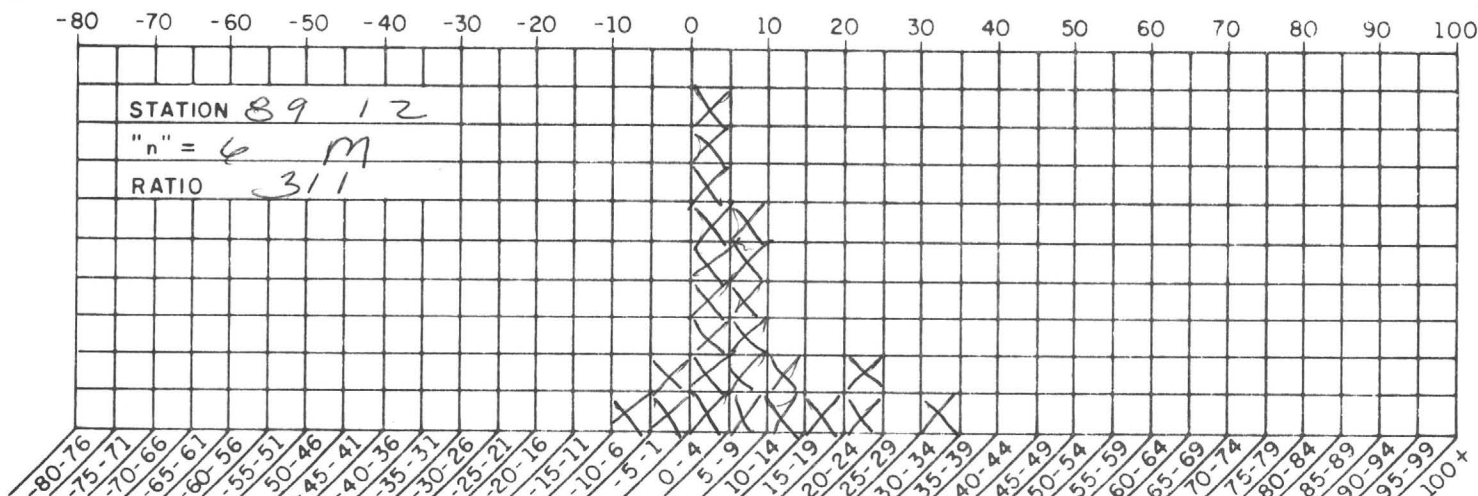
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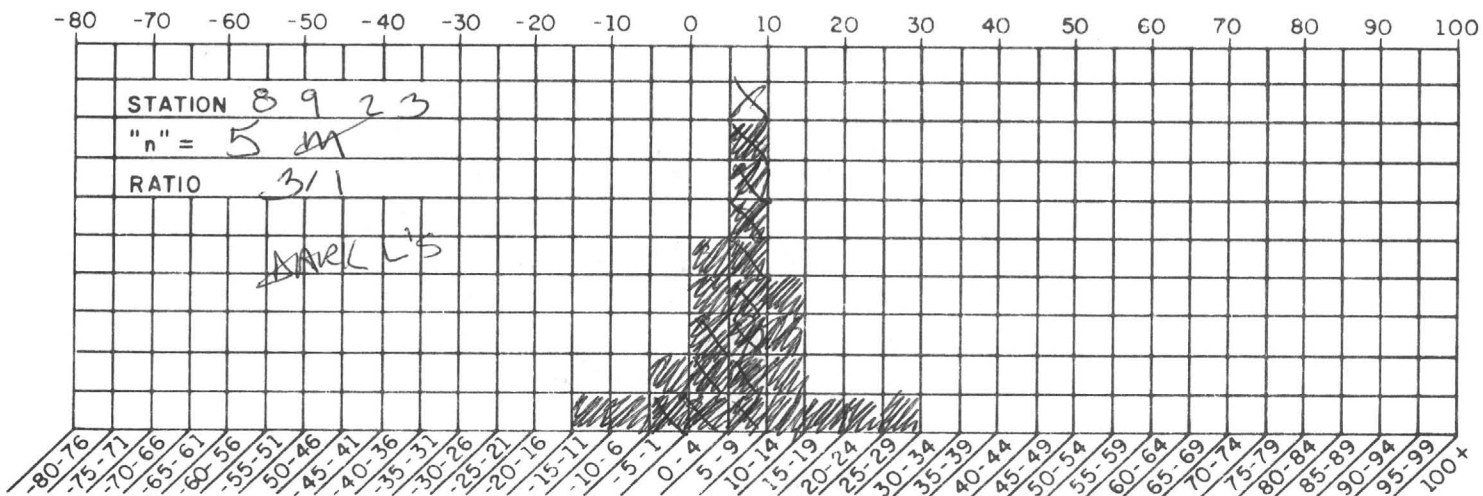
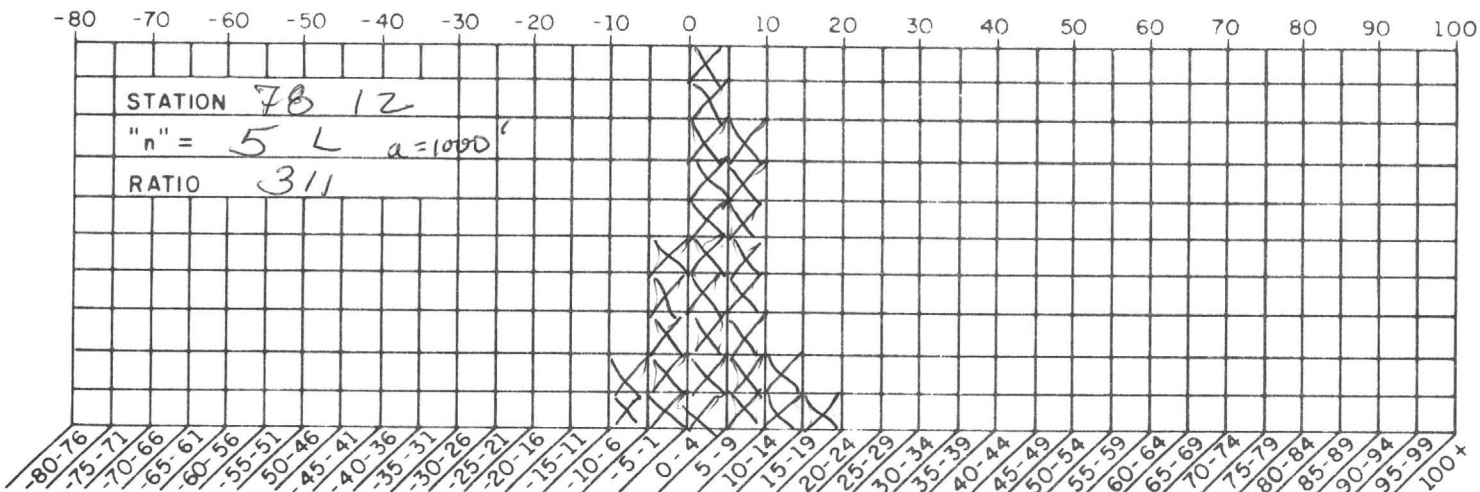
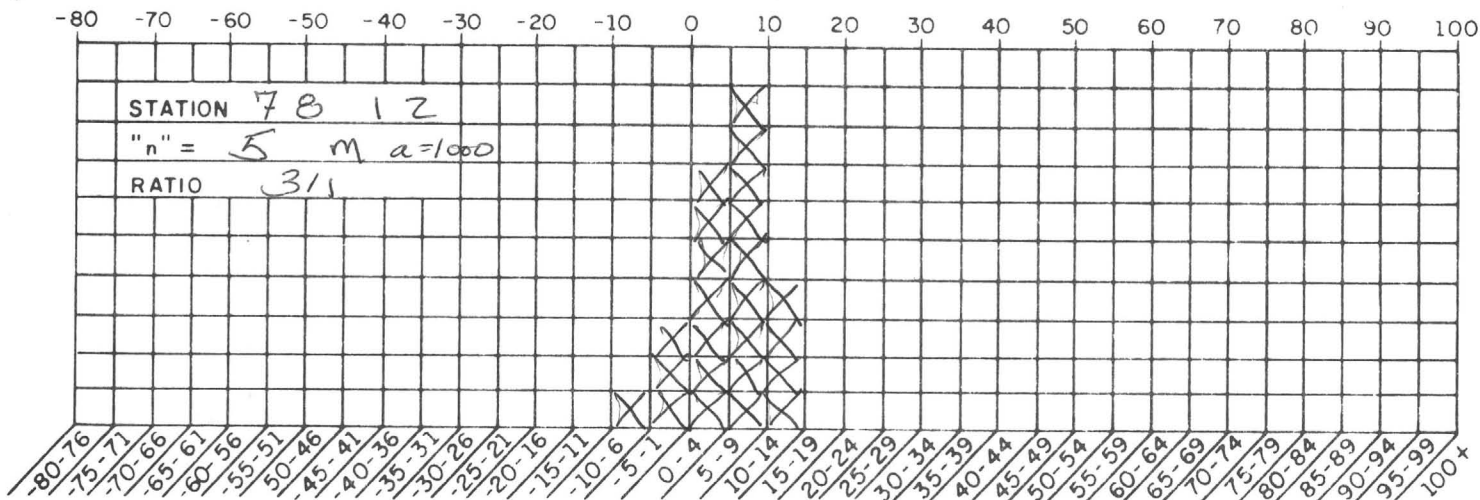
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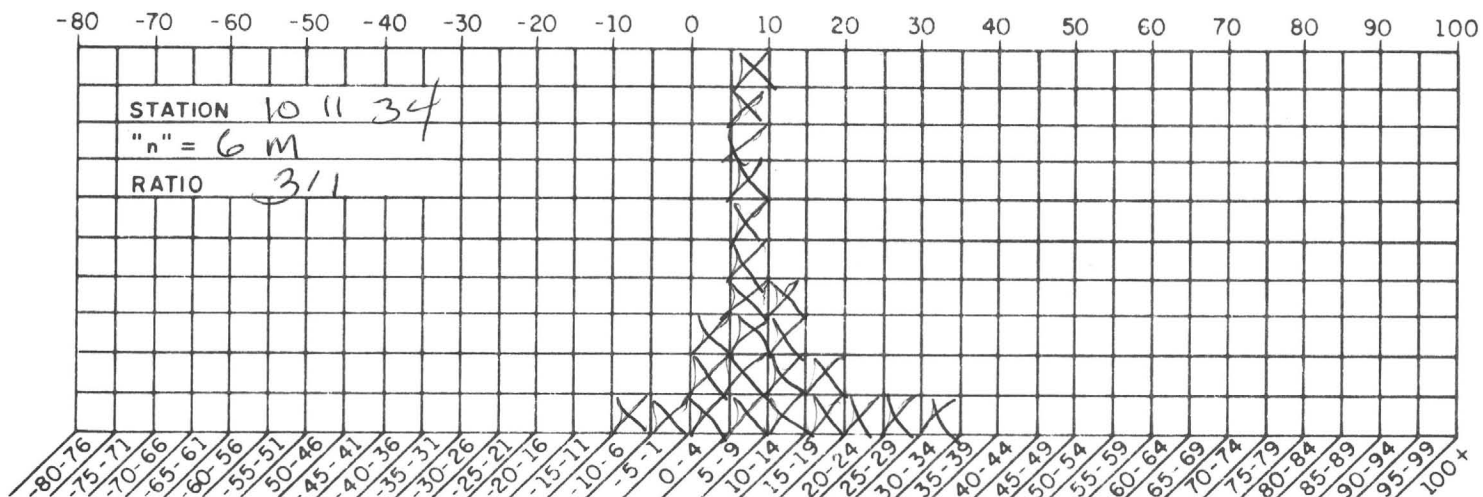
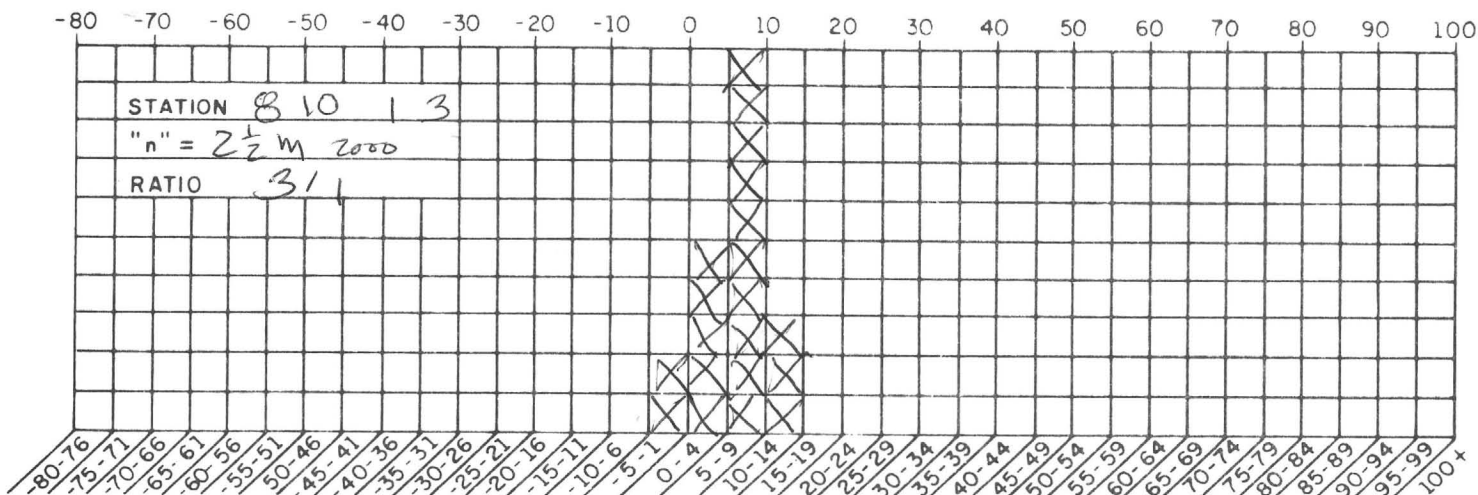
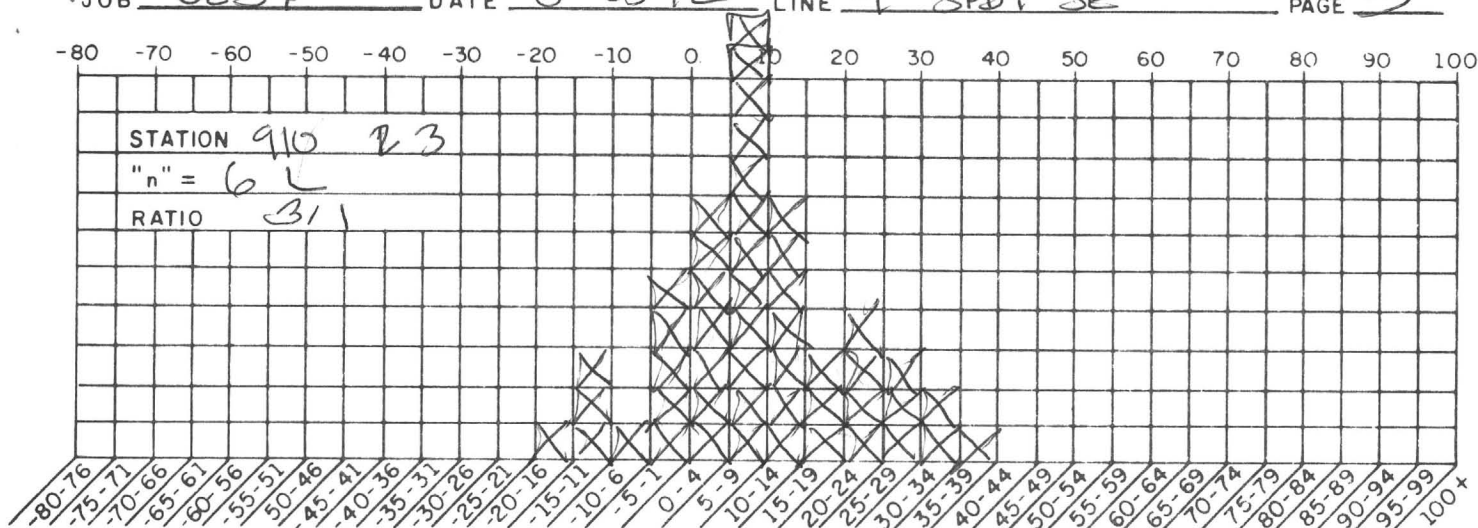
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|--------------|---|-----------|----|---------|-------|-----------------|---------|---------|----|--------|-----|----------|-----|------|-----|---------|----|---------|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| LINE 4 SRD 1 | | SOUTHEAST | | 142X103 | | B | | 72 | | DIPOLE | | DIPOLE | | 0237 | | WHITMAN | | key | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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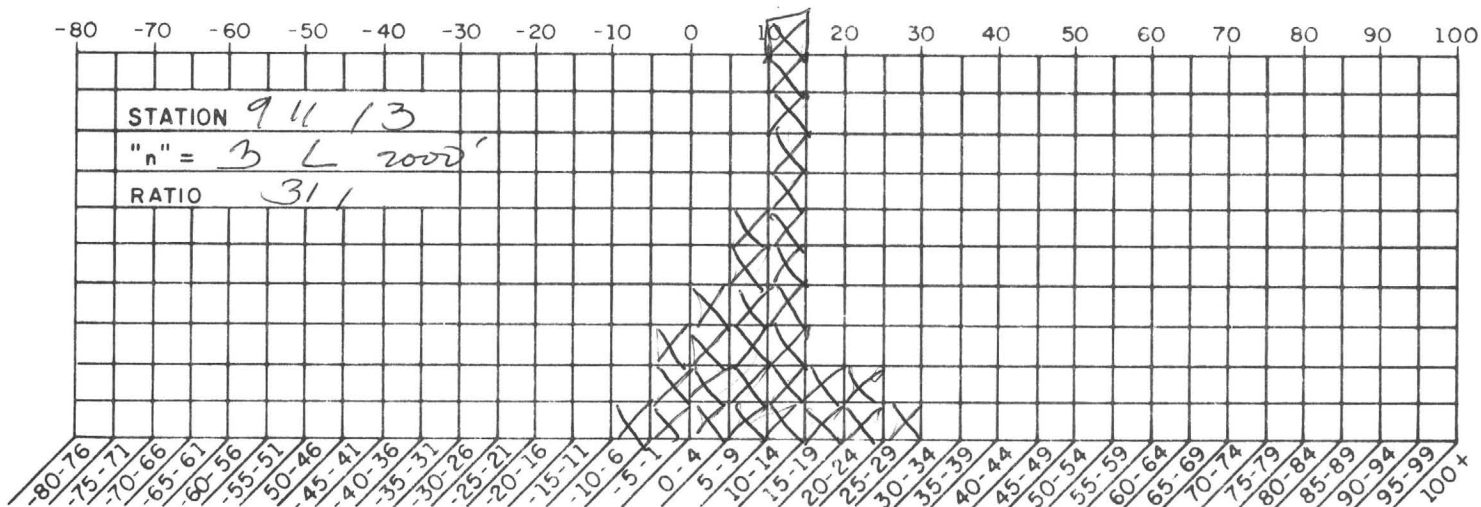
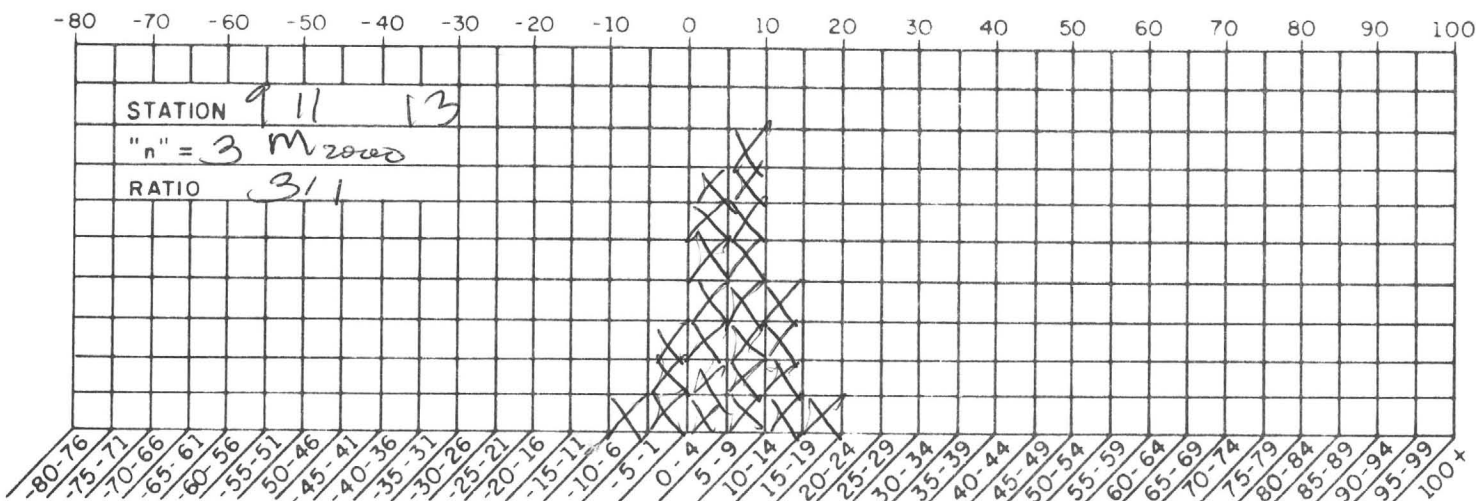
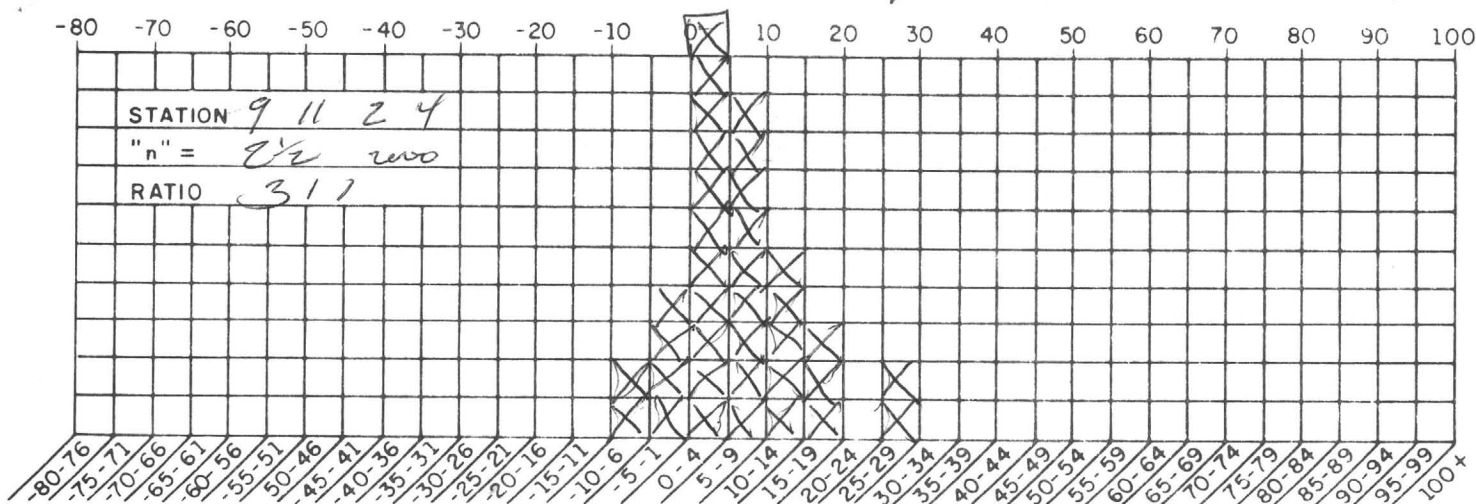
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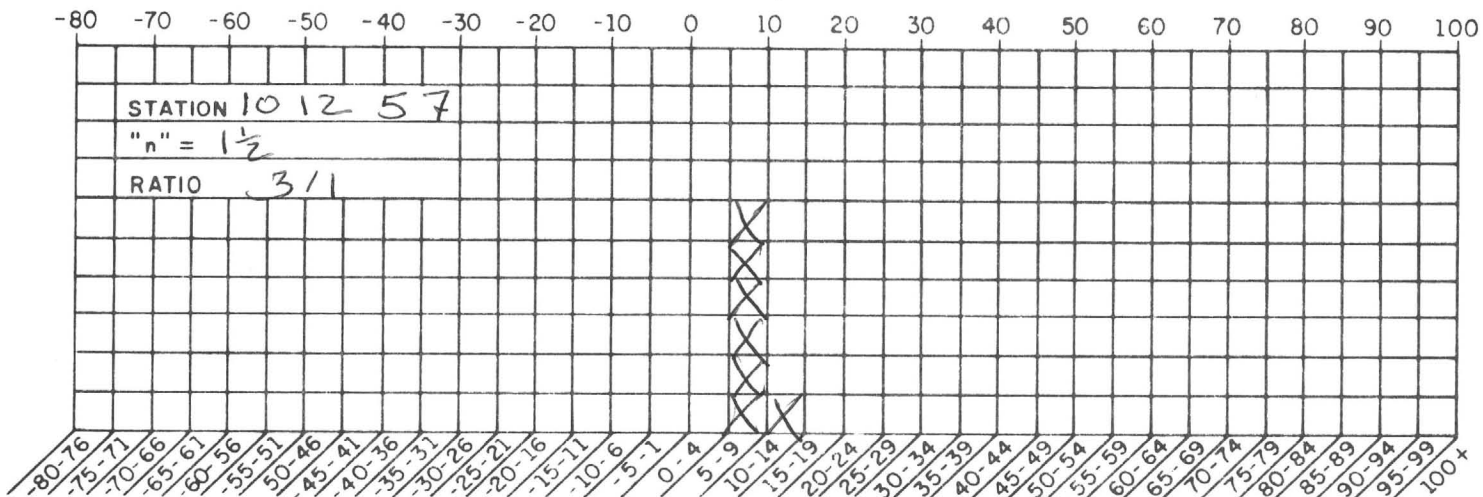
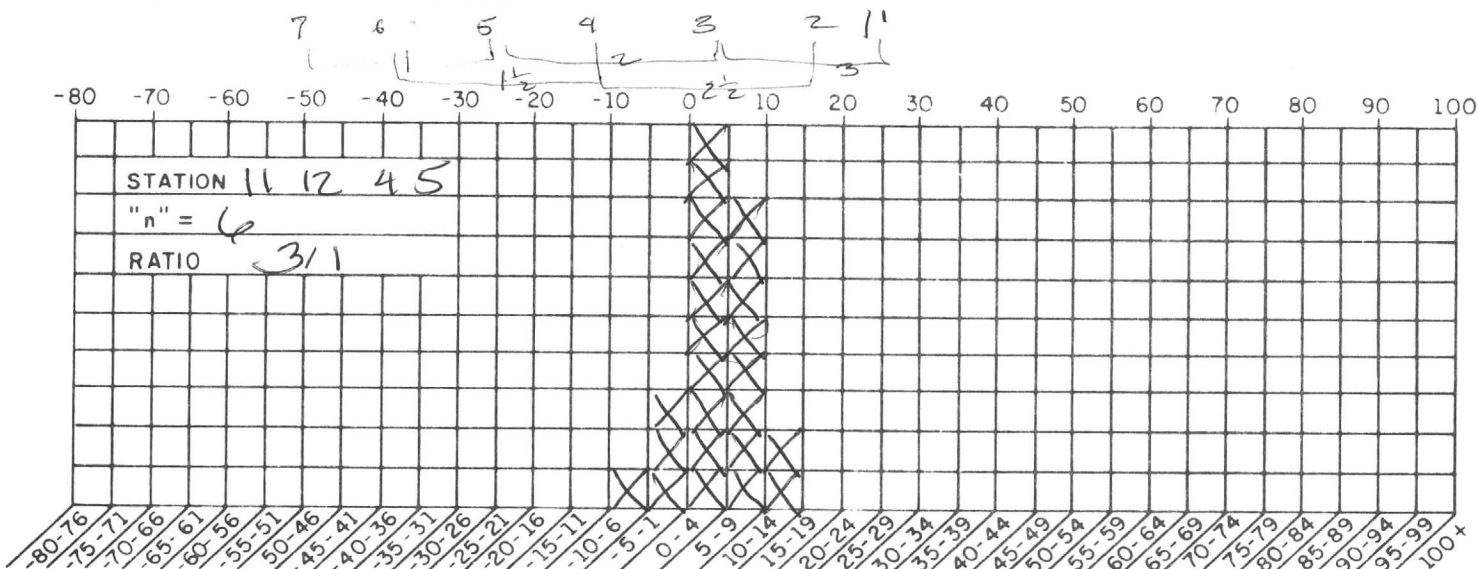
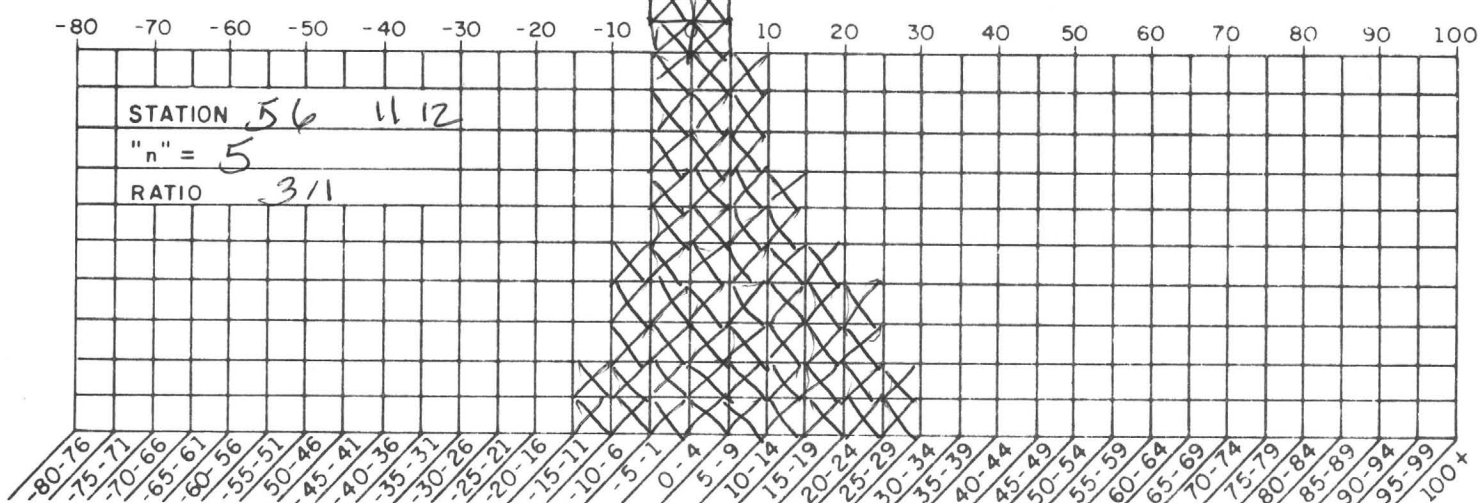
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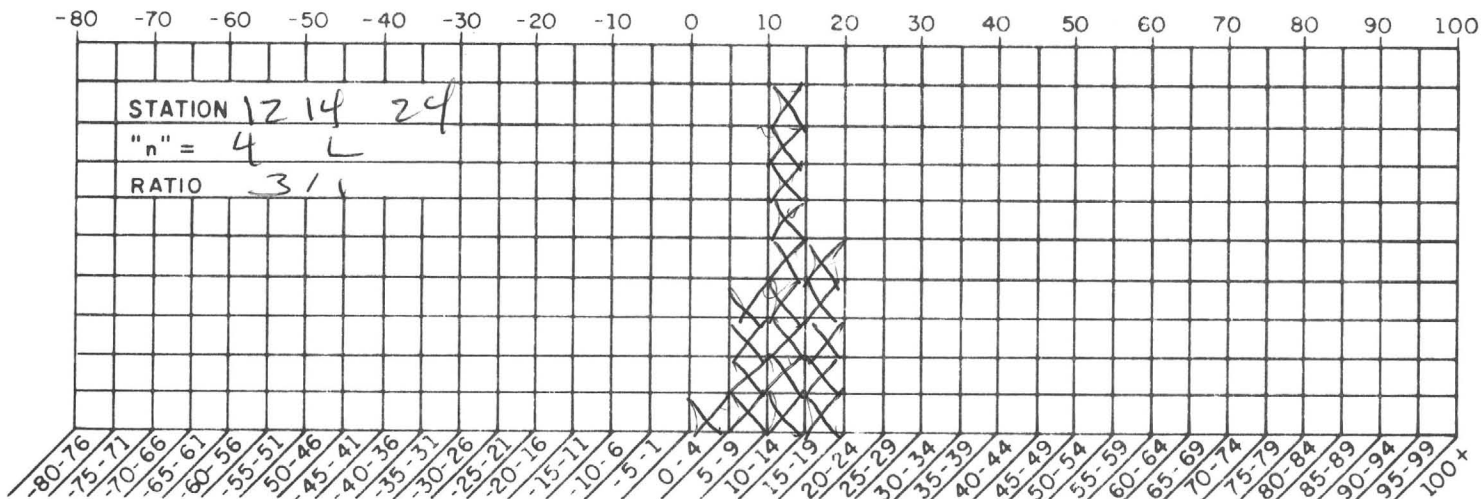
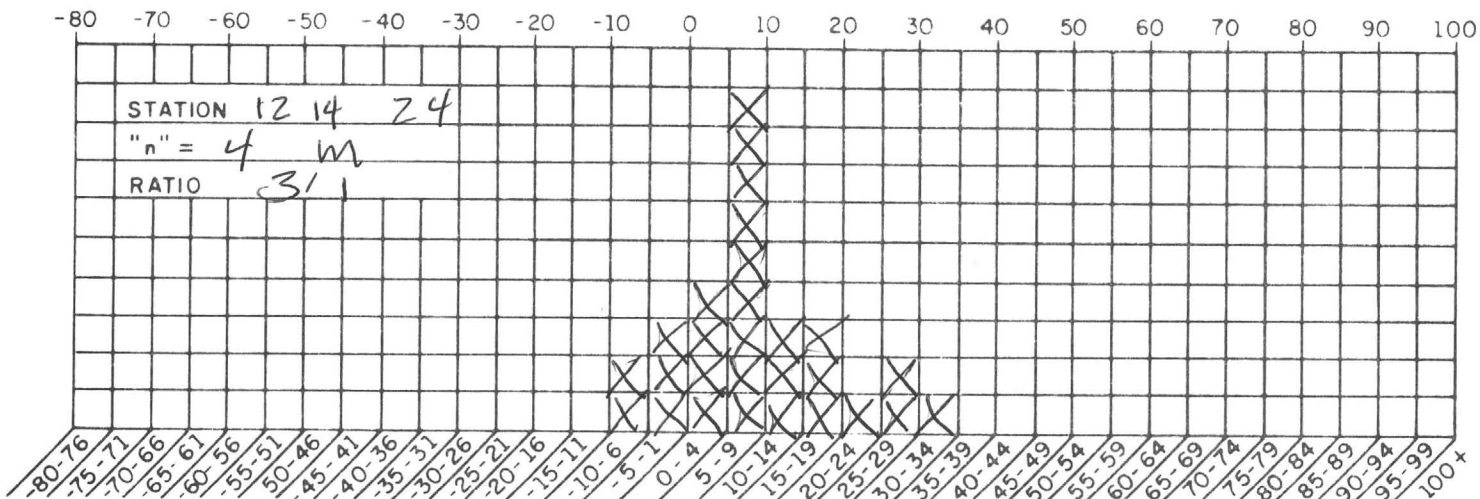
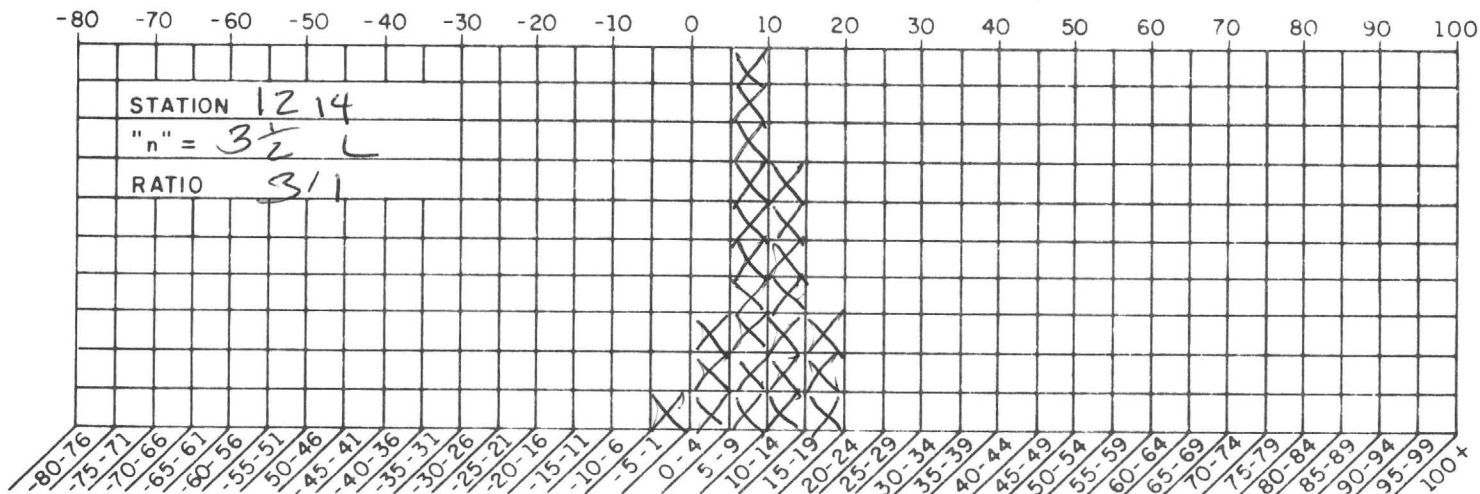


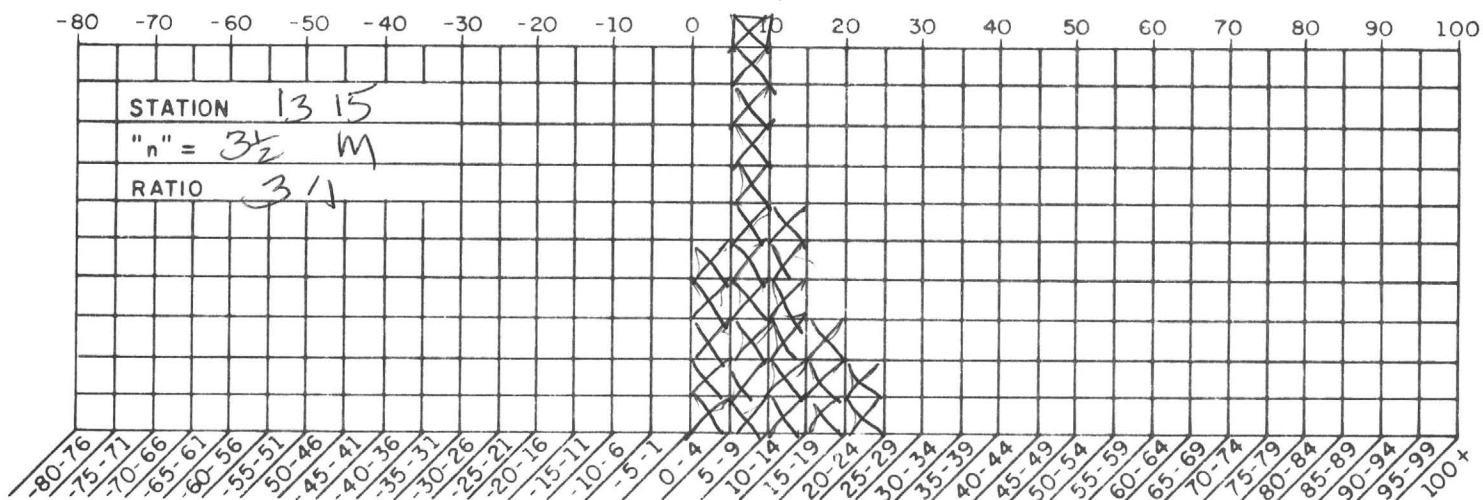
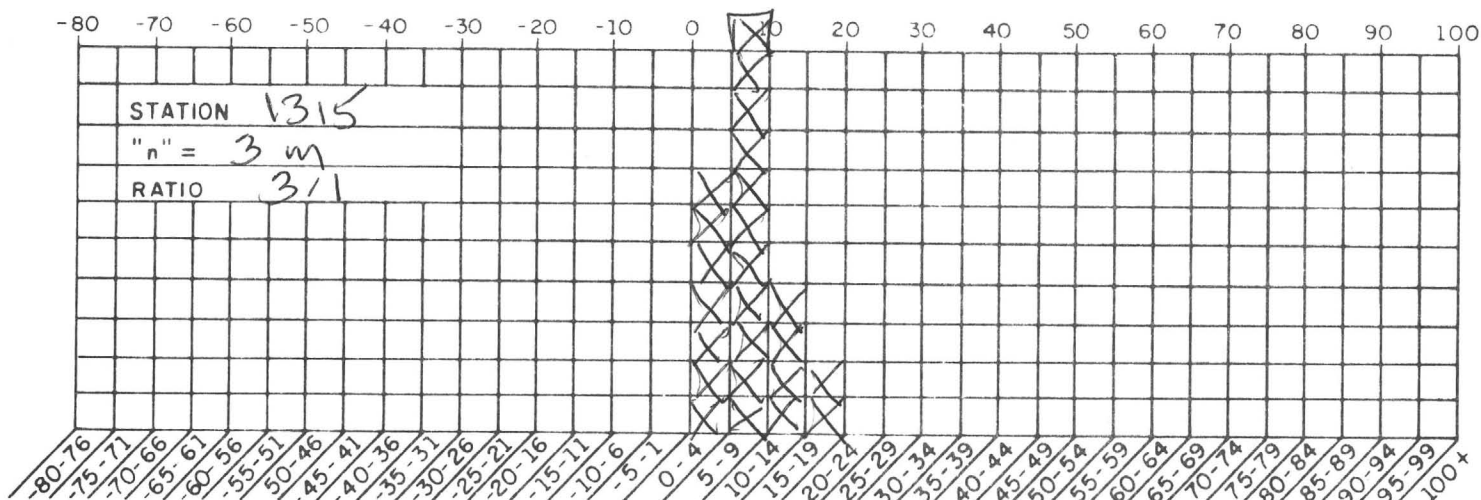
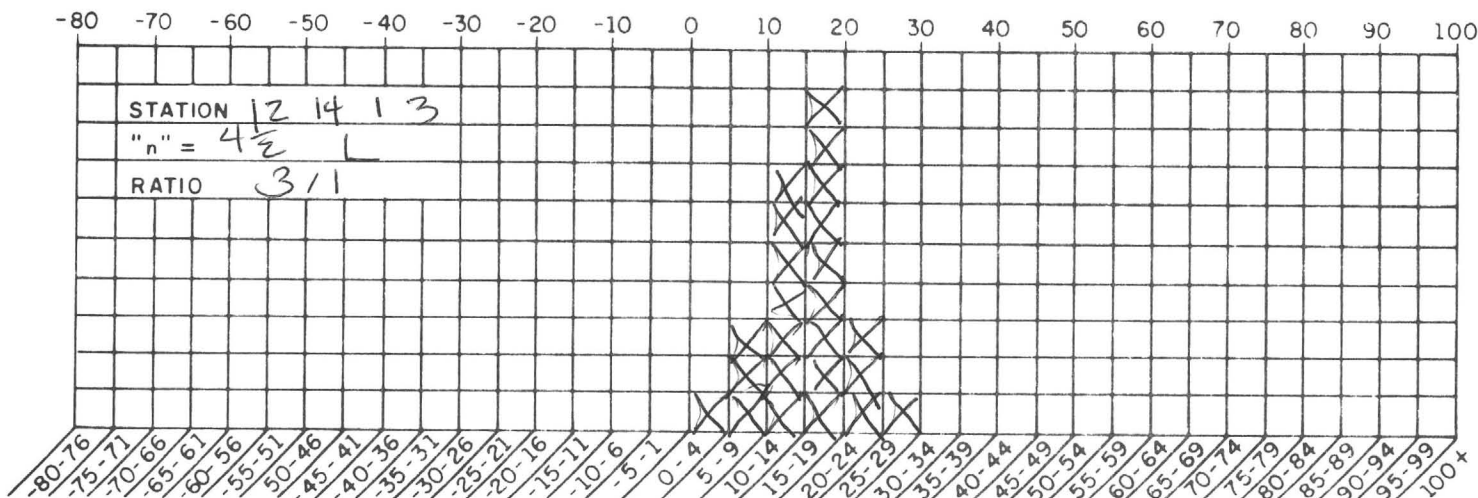


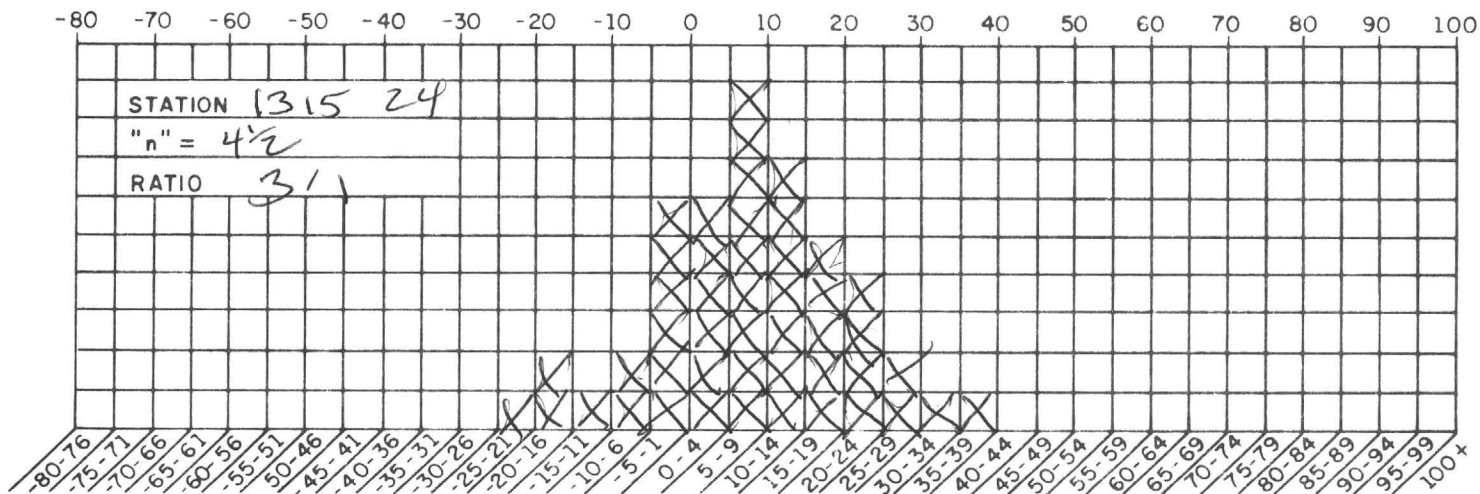
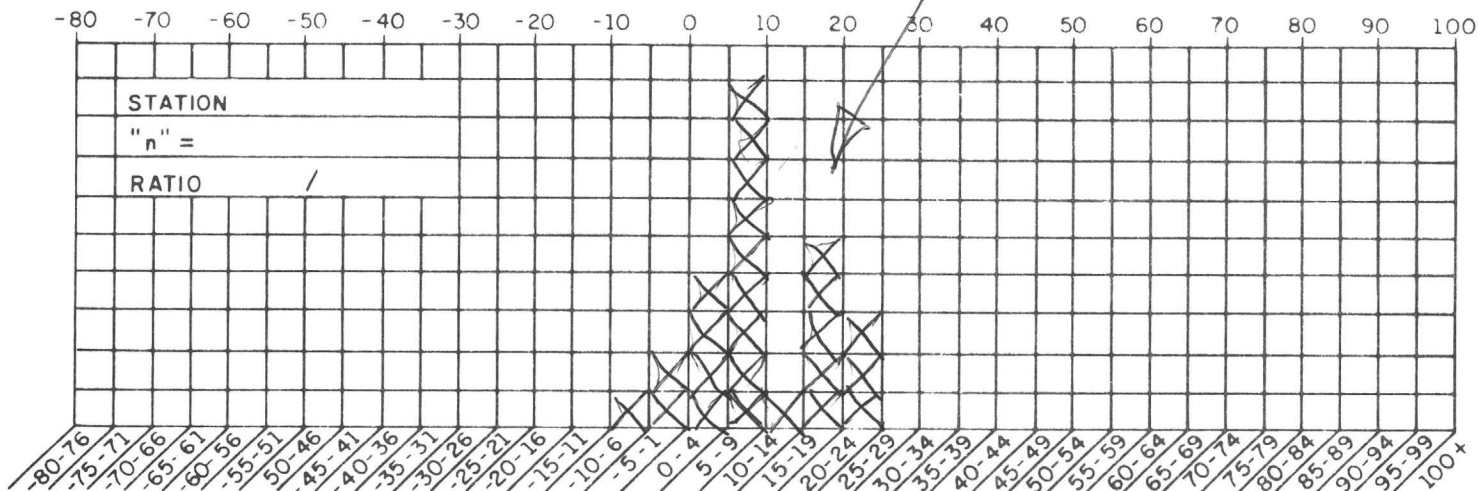
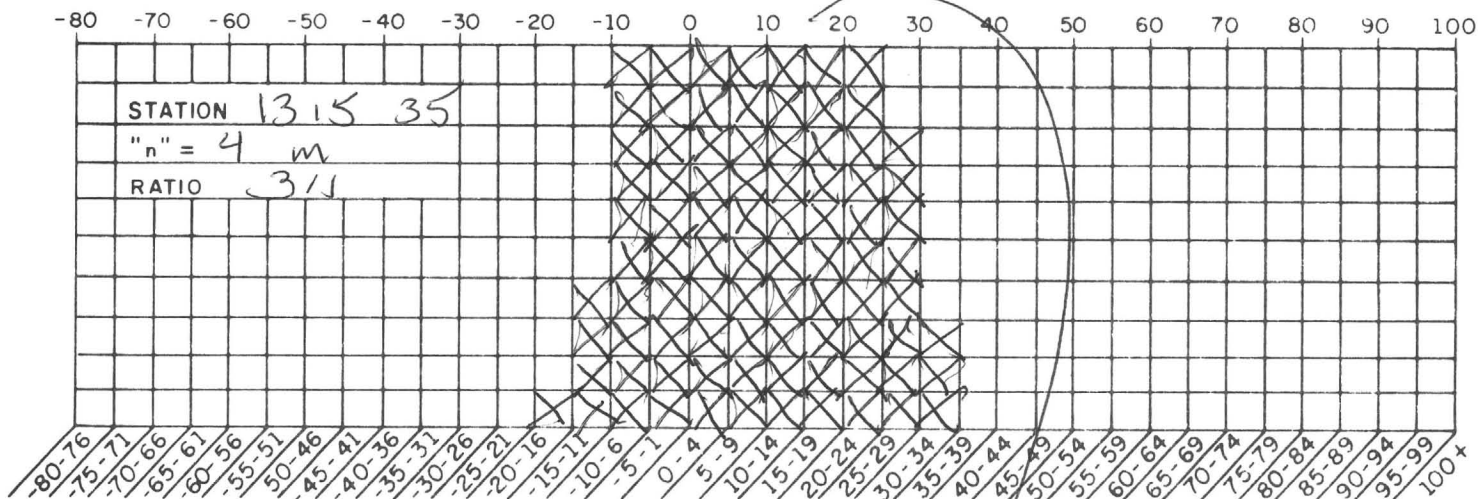


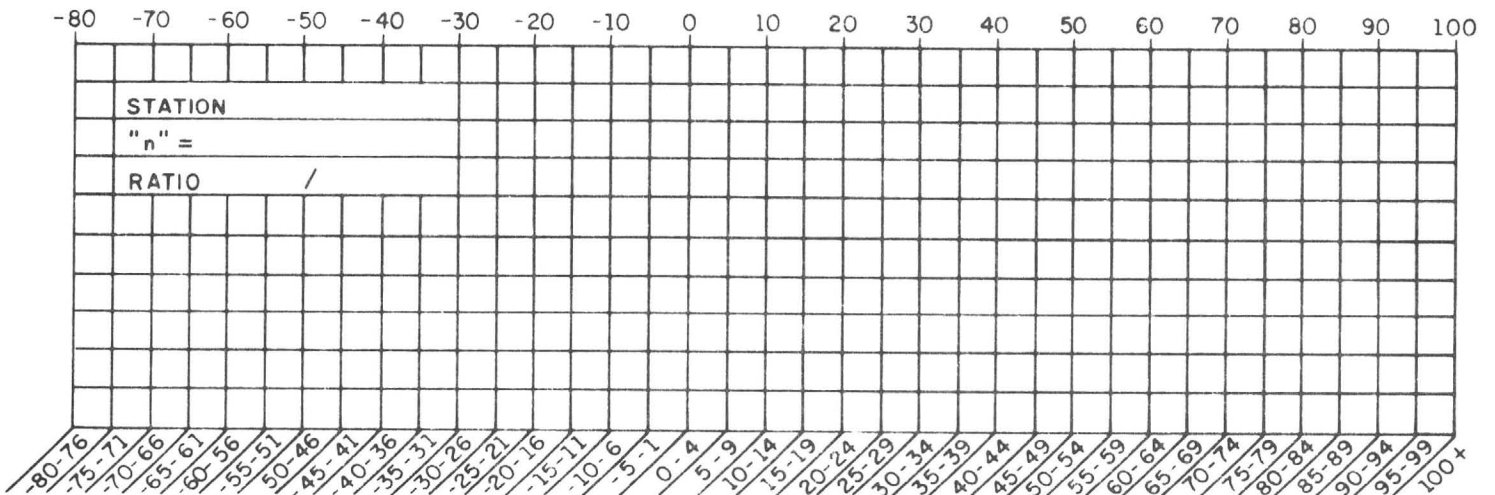
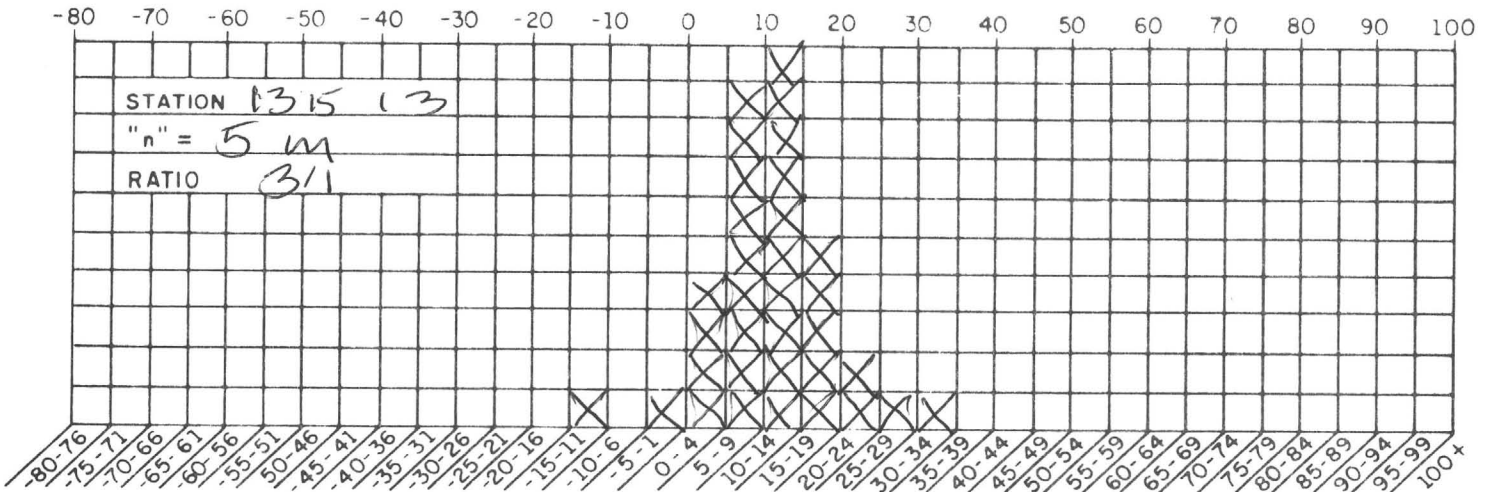
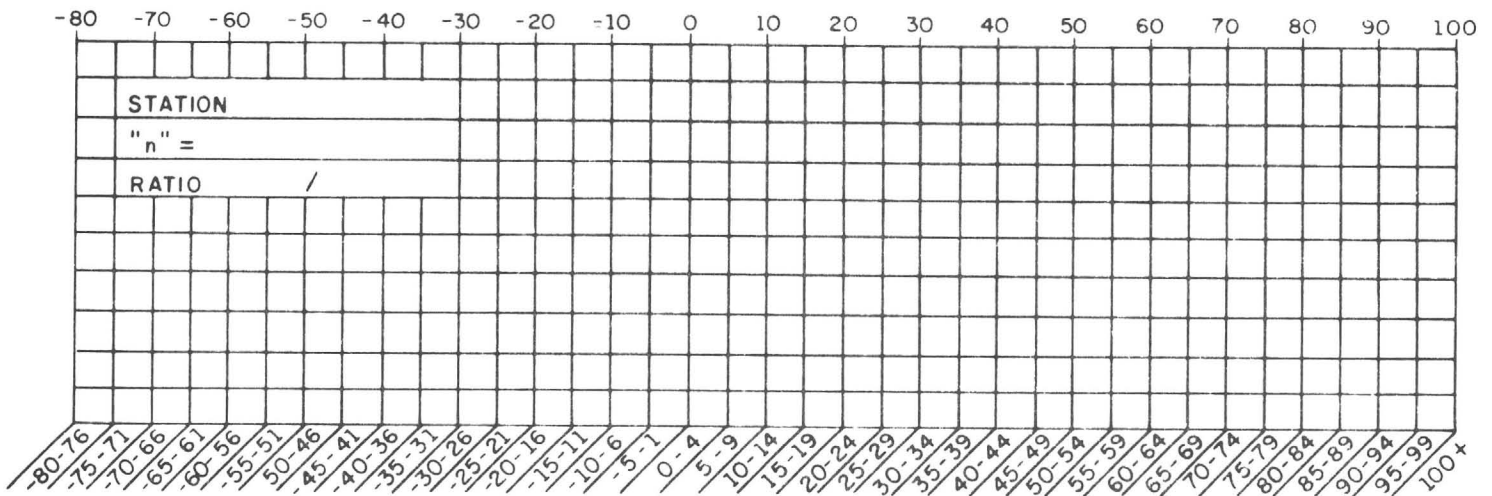












MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

L-4 #1 SE

| Project: | | Client: | | Date: |
|-------------------------|-----------------------------------|-----------------|------------|---------|
| 0237 | | ESSEX INT. | | 8/25/72 |
| TIME $\alpha = 1000$ | I | $\alpha = 2000$ | I COMMENTS | |
| 2-5 | 6.9 | 2-4 | 5.5 | |
| 3-4 | 6.9 | 1-3 | 5.5 | |
| 2-3 | 5.6 | | | |
| 1-2 | 4.5 | | | |
| | | | | |
| 5-6 | 6.7 | 3-5 | 7.0 | |
| 4-5 | 7.1 | 2-4 | 5.5 | |
| 3-4 | 7.0 | 1-3 | 5.5 | |
| 2-3 | 5.5 | | | |
| 1-2 | 4.6 | | | |
| | | | | |
| 6-7 | $\frac{1}{2} \alpha$ 6.7 6.7 | 4-6 | 6.6 | |
| 5-6 | 6.7 6.7 | 3-5 | 7.0 | |
| 4-5 | 7.0 | 2-4 | 5.5 | |
| 3-4 | 7.0 | 1-3 | 5.6 | |
| 2-3 | 5.5 | | | |
| 1-2 | 4.6 | | | |
| | | | | |
| 6-7 | 6.7 | 5-7 | 7.2 | |
| 5-6 | 6.7 | 4-6 | 6.6 | |
| 4-5 | 7.0 | 3-5 | 7.2 | |
| 3-4 | 7.0 | 2-4 | 5.5 | |
| 2-3 | 5.6 | 1-3 | 5.7 | |

MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

| Project: | | Client: | | Date: |
|--------------------|--------------------|------------|----------|-------|
| TIME $a = 1000$ | I | $q = 2000$ | COMMENTS | |
| 6-7 | 6.7 | 5-7 | 7.2 | |
| 5-6 | 6.7 | 4-6 | 6.7 | |
| 4-5 | 7.1 | 3-5 | 7.2 | |
| 3-4 | 7.1 | 2-4 | 5.5 | |
| | | 1-3 | 5.8 | |
| 6-7 | 7.1 | 5-7 | 7.0 | |
| 5-6 | 6.9 | 4-6 | 7.1 | |
| 4-5 | 7.2 | 3-5 | 7.2 | |
| | | 2-4 | 7.2 | |
| | | 1-3 | 7.0 | |
| | | | | |
| | | 5-7 | 7.2 | |
| | | 4-6 | 7.1 | |
| | | 3-5 | 7.0 | |
| | | 2-4 | 7.1 | |
| | $n = 4$ | 1-3 | 6.9 | |
| | | | | |
| | | 5-7 | 7.0 | |
| | | 4-6 | 6.9 | |
| | | 3-5 | 7.1 | |
| | | 2-4 | 6.8 | |
| | $n = 4\frac{1}{2}$ | 1-3 | 7.0 | |
| | | | | |

INDUCED POLARIZATION SURVEY

L-4 SE

[illegible]

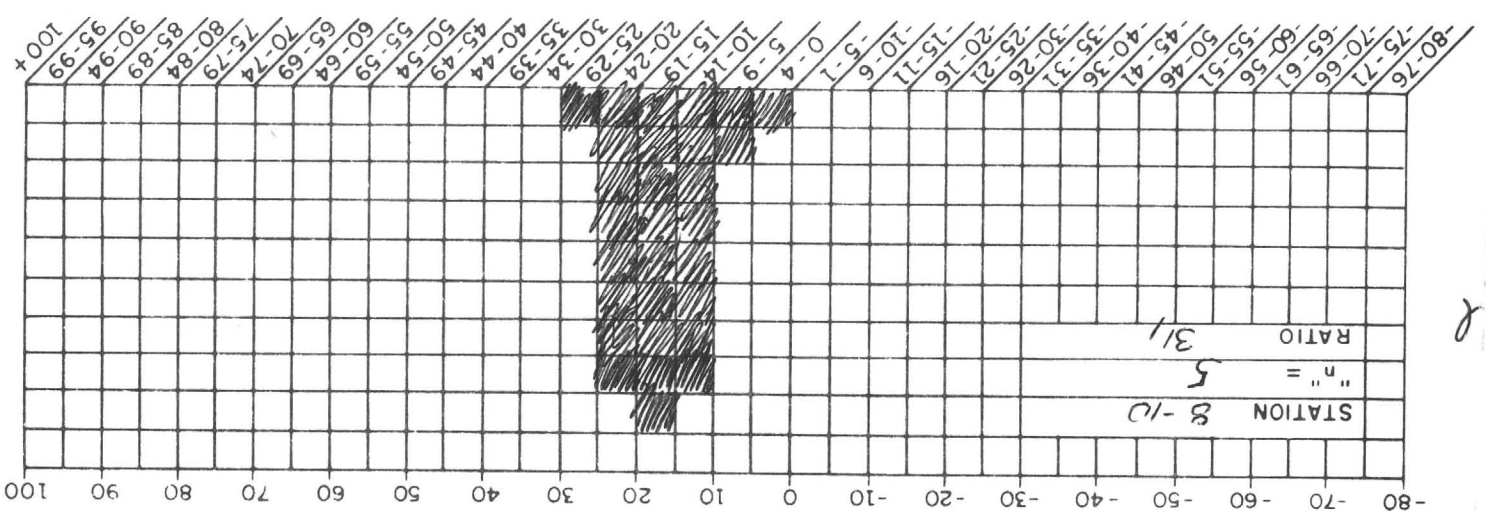
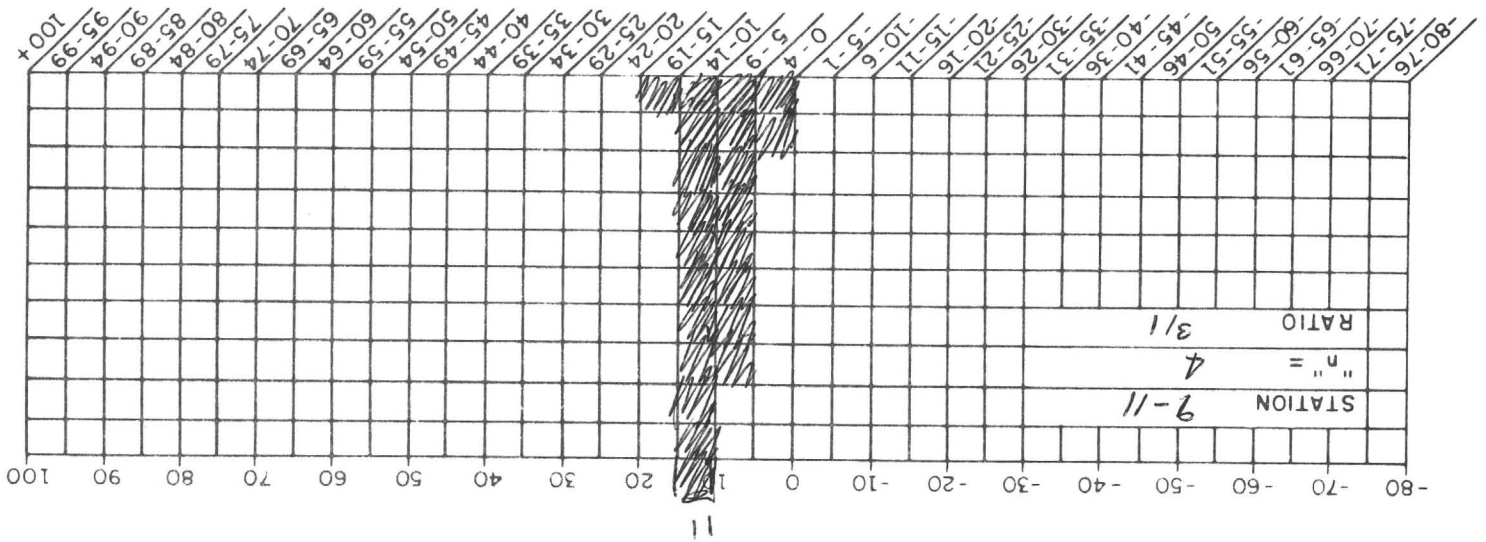
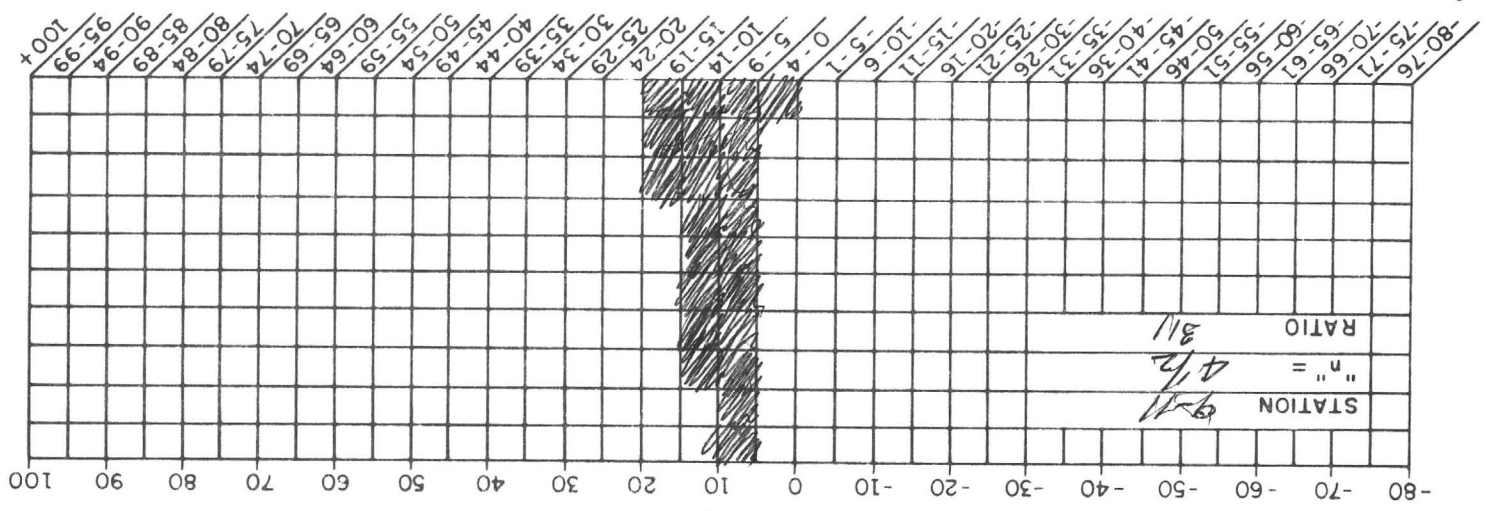
MINING GEOPHYSICAL SURVEYS

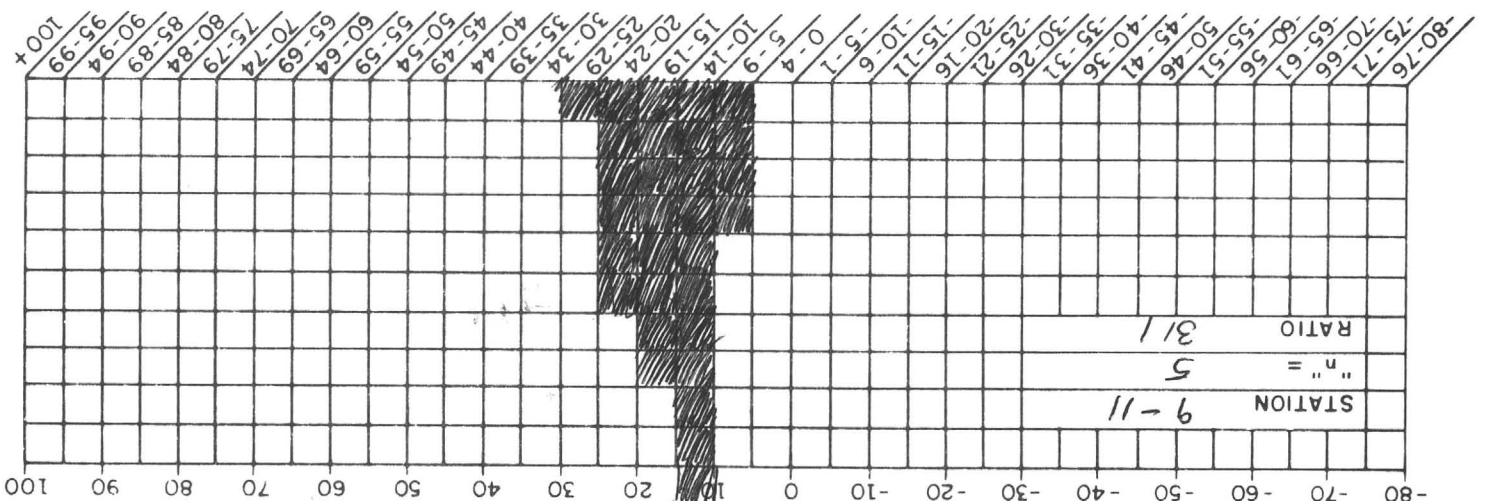
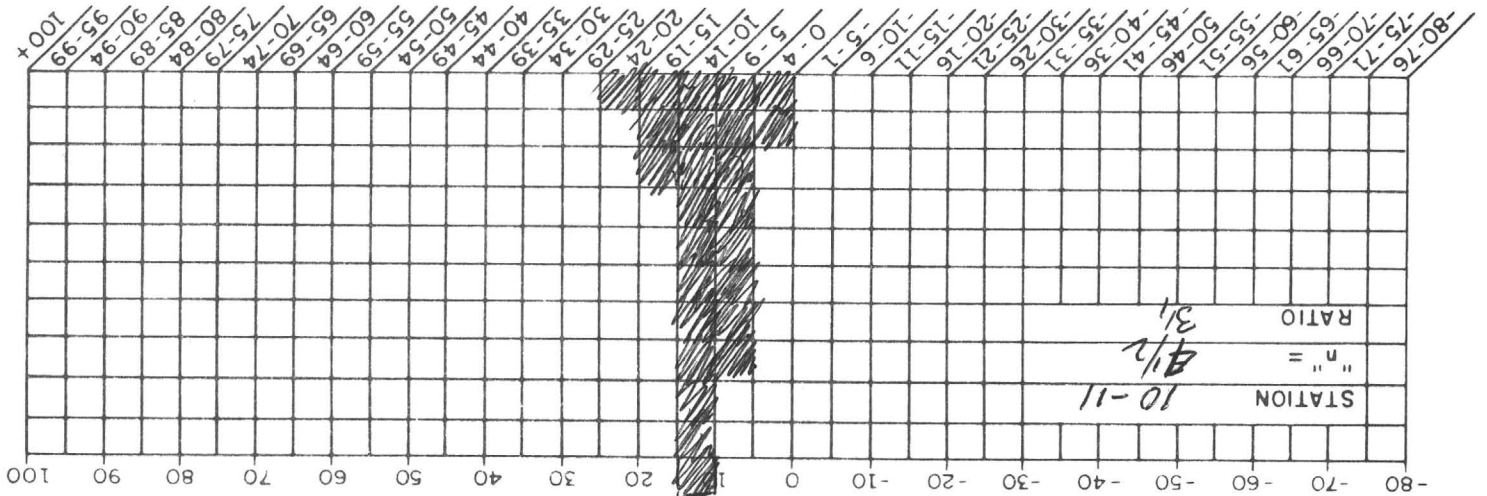
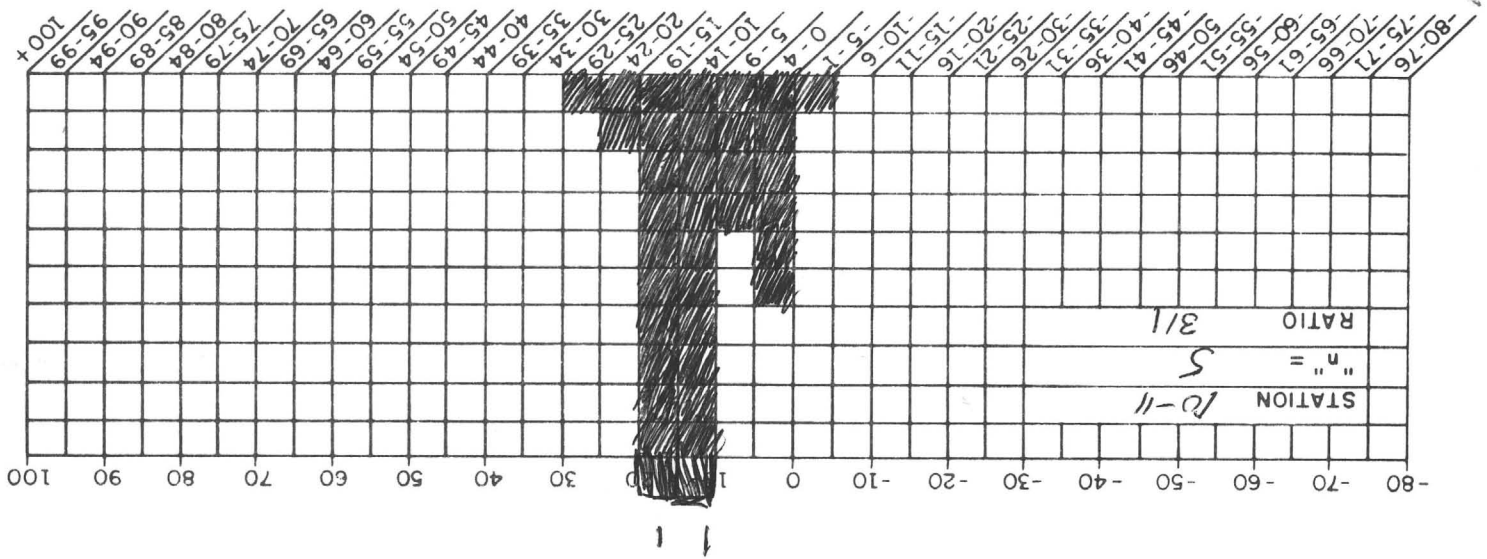
INDUCED POLARIZATION SURVEY

[illegible]

[illegible]

[illegible]





MINING GEOPHYSICAL SURVEYS

INDUCED POLARIZATION SURVEY

LINE 4 SP07 SE

RAW

| | | | |
|----------|---------|--------|----------|
| Project: | Client: | Date: | |
| 0237 | Essex | 9 1 72 | |
| TIME | I | VA | COMMENTS |
| 09:13 | 7.4 | | 0 - 2 2 |
| | 7.3 | | 1 - 1 2½ |
| | 7.5 | | -2 0 3 |
| | 7.3 | | -3 -1 3½ |
| | 7.5 | | -4 -2 4 |
| | | | |
| 09:37 | 7.3 | | 0 2 2½ |
| | 7.3 | | -1 1 3 |
| | 7.5 | | -2 0 3½ |
| | 7.3 | | -3 -1 4 |
| | 7.5 | | -4 -2 4½ |
| | | | |
| 10:02 | 7.3 | | 0 2 3 |
| | 7.3 | | -1 1 3½ |
| | 7.5 | | -2 0 4 |
| | 7.3 | | -3 -1 4½ |
| | 7.5 | | -4 -2 5 |
| | | | |
| | 7.3 | | 0 2 3½ |
| | 7.3 | | -1 1 4 |
| | 7.5 | | -2 0 4½ |
| | 7.3 | | -3 -1 5 |
| | | | |