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DEVELOPMENT of a PREDICTIVE MODEL to
ASSESS the EFFECTS of EXTENDED SEASON
NAVIGATION on
GREAT LAKES CONNECTING WATERS

APPENDIX C

Observed Ice Thicknesses and Water Turbidities

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Michigan Technological University
Houghton, Michigan
October 1985

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19. ABSTRACT (Continue on reverse if necessary and identify by block number) The object of this study was to develop a method for forecasting the physical effects of the passage of commercial vessels through Great Lakes connecting waters during that period of time when traffic is normally at a minimum due to a more or less continuous ice cover. The physical impacts examined were sediment translocation, water quality effects, direct damage to existing structures, and changes in the gross hydraulic regime. Appendix C contains supplemental findings of water turbidity, light extinction profile, and ice thickness at several sites prior to and during the season of commercial navigation. Also associated with Appendix C but bound separately are; Develop- ment of a Predictive Model to Assess the Effects of Extended Season Navigation on Great Lakes Connecting Waters, Final Report; the User's Manual for Pre- diction of Vessel Impacts in a Confined Waterway; Appendix A, Site and Soil Conditions; and Appendix B, Observed Vessel Induced Water Level Drawdowns.					
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11. (cont) Thickness and Water Turbidities

DEVELOPMENT OF A PREDICTIVE MODEL TO
ASSESS THE EFFECTS OF EXTENDED SEASON
NAVIGATION ON
GREAT LAKES CONNECTING WATERS

APPENDIX C
OBSERVED ICE THICKNESSES AND WATER TURBIDITIES

by Ralph J. Hodek
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Henry S. Santeford

Submitted to the U.S. Army Cold Regions
Research and Engineering Laboratory
in partial fulfillment of
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Michigan Technological University
Houghton, Michigan

October 31, 1985

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This appendix contains the supplemental findings of water turbidity, light extinction profile, and ice thickness (when present) at several sites prior to and during the season of commercial navigation. The results are arranged chronologically, and all site locations are described in Appendix A.

DATA FOR FEBRUARY 1985

ICE THICKNESSES

RIVER VIEW

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

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TURBIDITY READINGS

SITE NAME

DATE 2/22/85

TOTAL DEPTH AT LOCATION	1	(ft)	3
TOTAL DEPTH AT LOCATION	2	(ft)	5.3
TOTAL DEPTH AT LOCATION	3	(ft)	24.5
TOTAL DEPTH AT LOCATION	4	(ft)	17.5
TOTAL DEPTH AT LOCATION	5	(ft)	30

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	47.0		
		0.5	0.25
LOCATION 2	137.0		
		0.5	0.19
LOCATION 3	337.0		
		0.5	0.15
LOCATION 4	437.0		
		0.5	0.20
LOCATION 5	537.0		
		5.0	0.13
		14.0	0.43
		23.0	0.12

ICE THICKNESSES

SITE NAME SAND ISLAND

DATE 2/22/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** LOC.(ft) ***	DEPTH AT *** LOC.(ft) ***	ICE THICK *** (in.) ***
LOCATION 1	60.0	2.0	12.0
LOCATION 2	210.0	6.8	8.5
LOCATION 3	510.0	7.6	12.0
LOCATION 4	810.0	8.0	13.0
LOCATION 5	2000.0	33.0	8.5

@@
 TURBIDITY READINGS
 @@

SITE NAME SAND ISLAND

DATE 2/22/85

TOTAL DEPTH AT LOCATION	1	(ft)	2
TOTAL DEPTH AT LOCATION	2	(ft)	6.8
TOTAL DEPTH AT LOCATION	3	(ft)	7.6
TOTAL DEPTH AT LOCATION	4	(ft)	8
TOTAL DEPTH AT LOCATION	5	(ft)	33

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	60.0	0.5	2.40
LOCATION 2	210.0	0.5	2.10
LOCATION 3	510.0	0.5	0.30
LOCATION 4	810.0	0.5	0.24
LOCATION 5	2000.0	5.0	0.16
		15.0	0.41
		25.0	0.17

ICE THICKNESSES

SITE NAME ISLAND VIEW

DATE 2/20/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** LOC.(ft) ***	DEPTH AT ***LOC.(ft)***	ICE THICK *** (in.) ***
LOCATION 1	25.0	1.9	22.0
LOCATION 2	65.0	2.7	12.0
LOCATION 3	115.0	4.0	11.0
LOCATION 4	215.0	4.5	11.0
LOCATION 5	915.0	33.0	8.0

ICE THICKNESSES

DATE 2/21-2/22/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO	DEPTH AT	ICE THICK
***	LOC.(ft)	***LOC,(ft)***	*** (in.) ***
LOCATION 1	210.0	2.1	15.5
LOCATION 2	300.0	2.9	16.0
LOCATION 3	500.0	5.4	15.5
LOCATION 4	800.0	8.8	14.0
LOCATION 5	4850.0	34.0	12.5
LOCATION 6	5250.0	22.0	14.0
LOCATION 7	5450.0	5.0	12.0
LOCATION 8	5550.0	4.6	12.5
LOCATION 9	5650.0	3.3	13.0
LOCATION 10	5700.0	2.2	17.0

@@
 TURBIDITY READINGS
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SITE NAME NINE MILE

DATE 2/21/85

TOTAL DEPTH AT LOCATION	1	(ft)	34
TOTAL DEPTH AT LOCATION	2	(ft)	22
TOTAL DEPTH AT LOCATION	3	(ft)	5
TOTAL DEPTH AT LOCATION	4	(ft)	4.6
TOTAL DEPTH AT LOCATION	5	(ft)	3.3

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	4850.0	5.0	0.20
		15.0	0.18
		25.0	0.33
LOCATION 2	5250.0	0.5	0.27
LOCATION 3	5450.0	0.5	0.39
LOCATION 4	5550.0	0.5	0.37
LOCATION 5	5650.0	0.5	0.36

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ICE THICKNESSES

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SITE NAME EAST CELL DOCK

DATE 2/21/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** LOC.(ft) ***	DEPTH AT ***LOC:(ft)***	ICE THICK *** (in.) ***
LOCATION 1	1000.0	26.0	11.0
LOCATION 2	1800.0	7.1	18.0
LOCATION 3	2330.0	6.5	18.0
LOCATION 4	2580.0	4.8	19.0
LOCATION 5	2780.0	5.5	14.0
LOCATION 6	2930.0	4.0	13.0
LOCATION 7	3030.0	2.5	15.0

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TURBIDITY READINGS

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SITE NAME CHARLOTTE RIVER

DATE 2/22/85

TOTAL DEPTH AT LOCATION 1 (ft) 12

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1.0	0.5	5.50

DATA FOR MARCH 1985

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ICE THICKNESSES

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SITE NAME RIVER VIEW

DATE 3/18/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** LOC.(ft) ***	DEPTH AT ***LOC.(ft)***	ICE THICK *** (in.) ***
LOCATION 1	87.0	5.3	9.0
LOCATION 2	137.0	5.3	9.0
LOCATION 3	237.0	6.5	8.0
LOCATION 4	337.0	9.5	7.0
LOCATION 5	437.0	21.0	10.0

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TURBIDITY READINGS

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SITE NAME RIVER VIEW

DATE 3/18/85

TOTAL DEPTH AT LOCATION	1	(ft)	5.3
TOTAL DEPTH AT LOCATION	2	(ft)	5.3
TOTAL DEPTH AT LOCATION	3	(ft)	6.5
TOTAL DEPTH AT LOCATION	4	(ft)	9.5
TOTAL DEPTH AT LOCATION	5	(ft)	21

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	87.0		
		3.0	0.41
LOCATION 2	137.0		
		3.0	0.52
LOCATION 3	237.0		
		3.0	0.52
LOCATION 4	337.0		
		3.0	0.32
LOCATION 5	437.0		
		3.0	0.47
		5.0	0.38
		15.0	0.46

LIGHT METER READINGS

SITE NAME RIVER VIEW
READING LOCATION (diat. from green side ft) 237 ft

DATE 3/19/85
TIME 11:00 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 50
DEPTH OF SNOW ON ICE (in) 2
ICE THICKNESS (in) 8
TOTAL DEPTH AT LOCATION (ft) 5

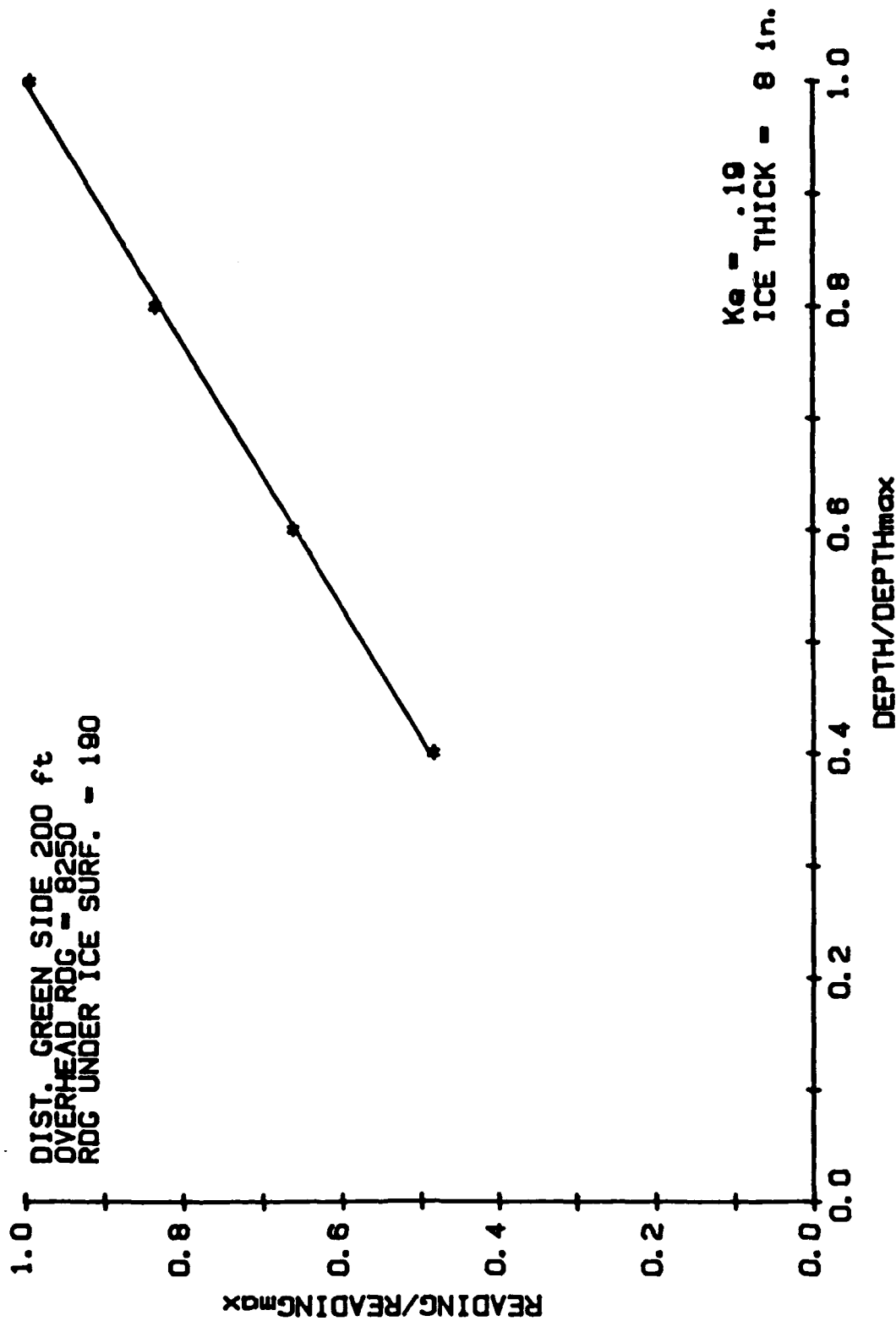
OVERHEAD LIGHT READING 8250
LIGHT READING JUST UNDER ICE 190

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
1.0	190.00	
2.0	110.00	
3.0	90.00	0.52
4.0	74.00	
5.0	62.00	

****LIGHT METER RESULTS****

SITE NAME RIVER VIEW

DIST. GREEN SIDE 200 ft
OVERHEAD ROD - 8250
ROD UNDER ICE SURF. - 190



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LIGHT METER READINGS

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SITE NAME RIVER VIEW
READING LOCATION (dist. from green side ft) 437 ft

DATE 3/19/85
TIME 11:05 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 50
DEPTH OF SNOW ON ICE (in) 2
ICE THICKNESS (in) 10
TOTAL DEPTH AT LOCATION (ft) 19.4

OVERHEAD LIGHT READING 8250
LIGHT READING JUST UNDER ICE 165

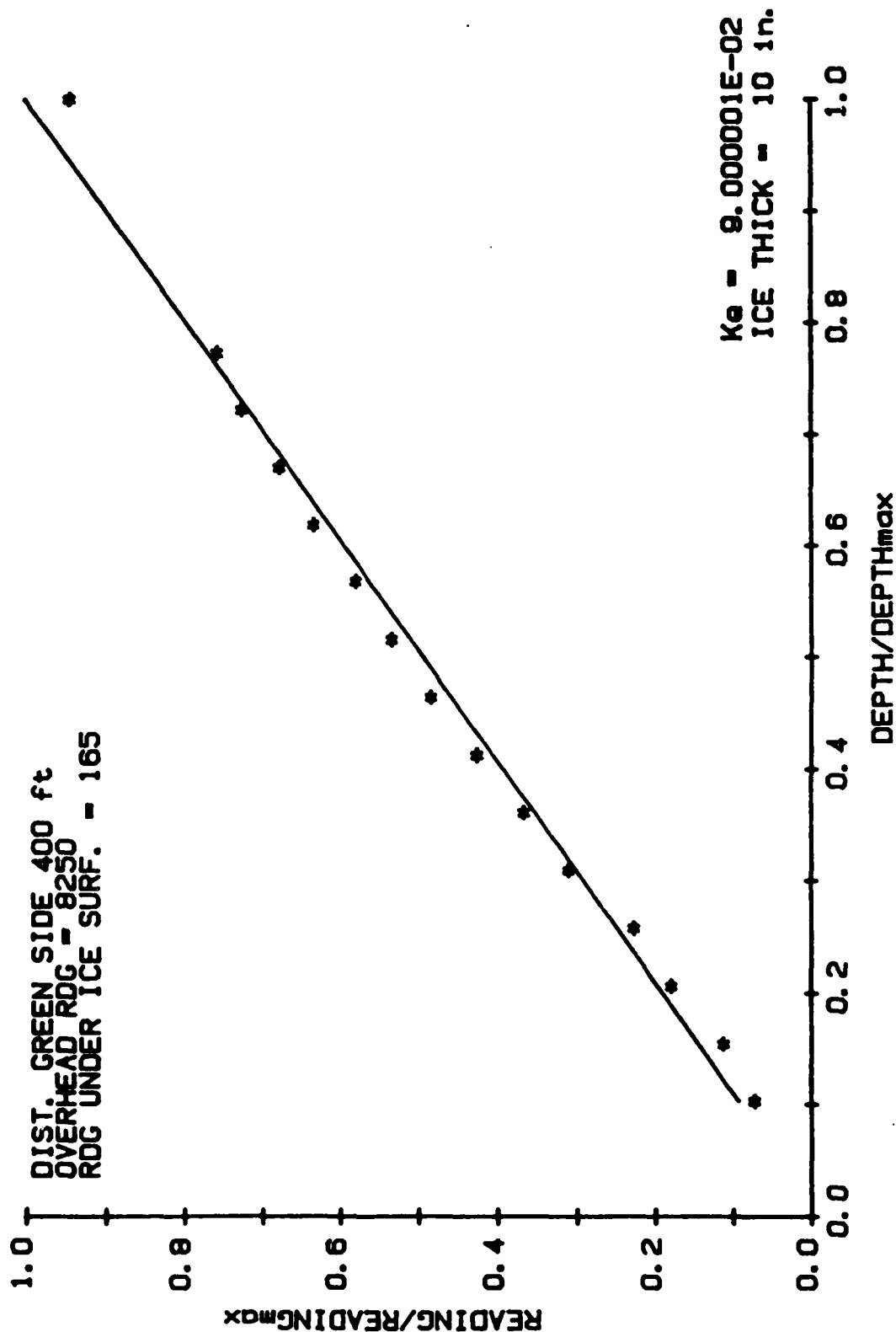
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.0	165.00	
2.0	145.00	
3.0	135.00	0.47
4.0	120.00	
5.0	110.00	0.38
6.0	95.00	
7.0	86.00	
8.0	77.50	
9.0	70.00	
10.0	64.00	
11.0	59.00	
12.0	53.60	
13.0	49.50	
14.0	45.50	
15.0	43.00	0.46
19.4	31.00	

****LIGHT METER RESULTS****

SITE NAME RIVER VIEW

**DIST. GREEN SIDE 400 ft
OVERHEAD ROD - 8250
ROD UNDER ICE SURF. - 165**



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ICE THICKNESSES

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SITE NAME SAND ISLAND

DATE 3/17/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** LOC.(ft) ***	DEPTH AT ***LOC.(ft)***	ICE THICK *** (in.) ***
LOCATION 1	60.0	2.7	19.0
LOCATION 2	110.0	4.3	13.0
LOCATION 3	210.0	5.0	11.0
LOCATION 4	510.0	7.6	17.0
LOCATION 5	2150.0	36.0	10.0
LOCATION 6	2320.0	8.2	16.0
LOCATION 7	2620.0	4.0	17.0
LOCATION 8	2720.0	4.3	21.0
LOCATION 9	2770.0	4.2	21.0

TURBIDITY READINGS

SITE NAME SAND ISLAND

DATE 3/17/85

TOTAL DEPTH AT LOCATION	1	(ft)	2.7
TOTAL DEPTH AT LOCATION	2	(ft)	4.3
TOTAL DEPTH AT LOCATION	3	(ft)	5
TOTAL DEPTH AT LOCATION	4	(ft)	7.6
TOTAL DEPTH AT LOCATION	5	(ft)	36
TOTAL DEPTH AT LOCATION	6	(ft)	8.2
TOTAL DEPTH AT LOCATION	7	(ft)	4
TOTAL DEPTH AT LOCATION	8	(ft)	4.3
TOTAL DEPTH AT LOCATION	9	(ft)	4.2

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	60.0		
		2.0	18.50
LOCATION 2	110.0		
		3.0	20.00
LOCATION 3	210.0		
		3.0	8.20
LOCATION 4	510.0		
		3.0	0.98
LOCATION 5	2150.0		
		3.0	0.30
		15.0	0.18
		25.0	0.24
LOCATION 6	2320.0		
		3.0	0.26
LOCATION 7	2620.0		
		3.0	0.28
LOCATION 8	2720.0		
		3.0	0.38
LOCATION 9	2770.0		
		3.0	0.91

LIGHT METER READINGS

SITE NAME SAND ISLAND
READING LOCATION (dist. from green side ft) 210 ft

DATE 3/17/85
TIME 4:00 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 11
TOTAL DEPTH AT LOCATION (ft) 5

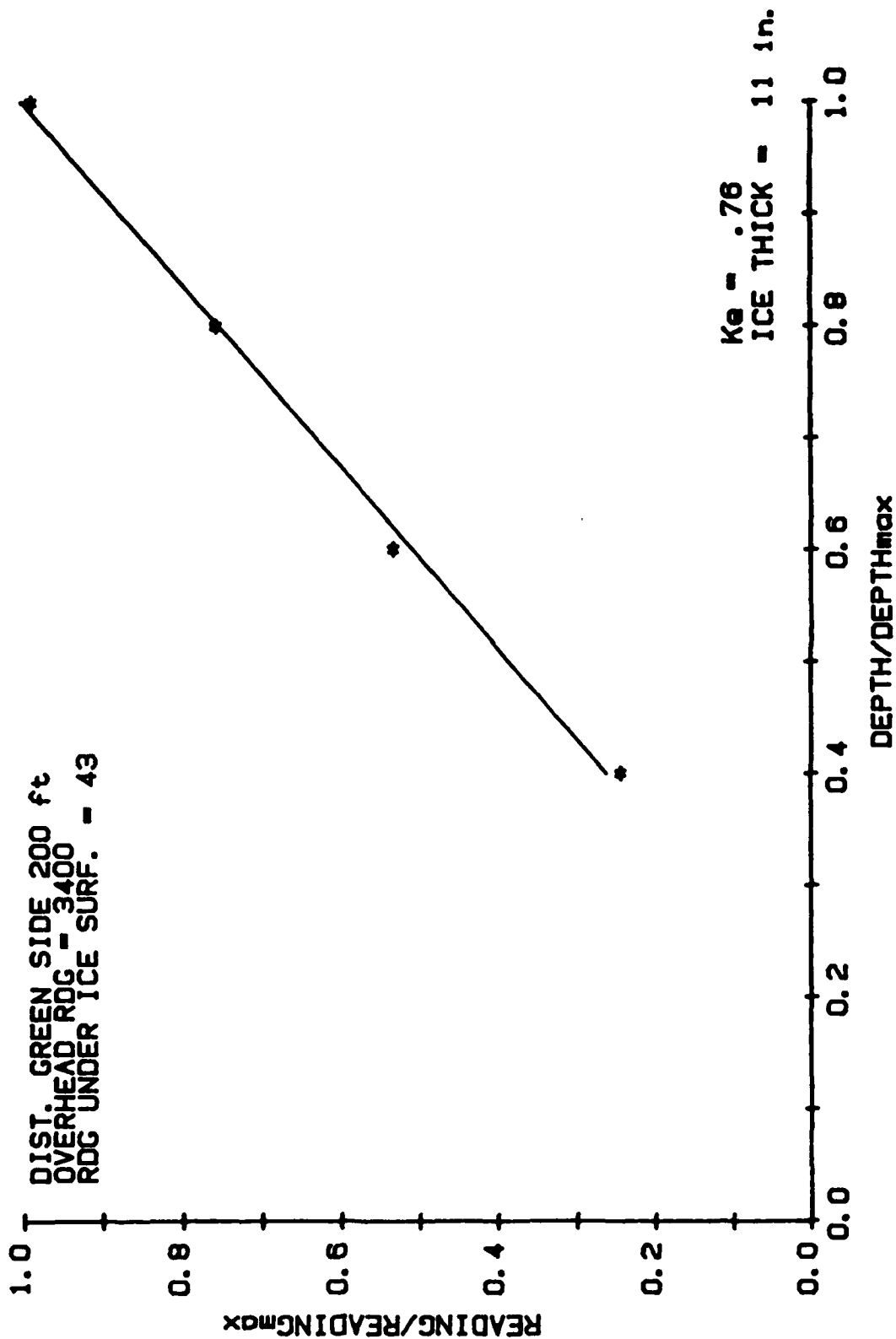
OVERHEAD LIGHT READING 3400
LIGHT READING JUST UNDER ICE 43

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.0	43.00	
2.0	20.00	
3.0	8.10	8.20
4.0	4.00	
5.0	1.95	

****LIGHT METER RESULTS****

SITE NAME SAND ISLAND
DIST. GREEN SIDE 200 ft
OVERHEAD RDG - 3400
RDG UNDER ICE SURF. - 43



LIGHT METER READINGS

SITE NAME SAND ISLAND
READING LOCATION (dist. from green side ft) 2100 ft

DATE 3/17/85
TIME 3:30 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 10
TOTAL DEPTH AT LOCATION (ft) 36

OVERHEAD LIGHT READING 3700
LIGHT READING JUST UNDER ICE 92

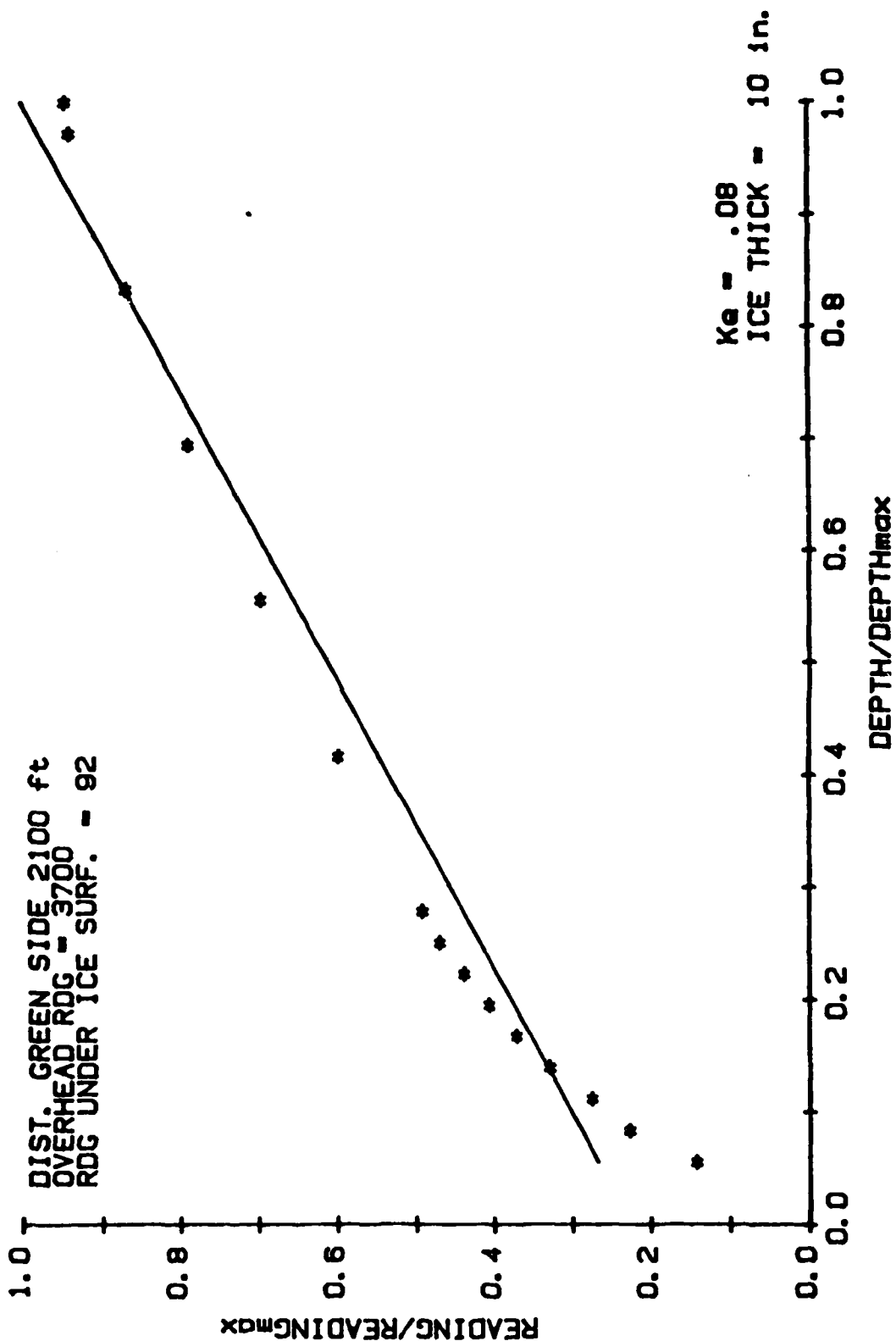
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.0	92.00	
2.0	53.00	
3.0	38.00	0.30
4.0	31.50	
5.0	25.50	
6.0	21.70	
7.0	18.90	
8.0	16.70	
9.0	14.80	
10.0	13.60	
15.0	9.00	0.18
20.0	6.15	
25.0	4.30	0.24
30.0	3.15	
35.0	2.40	
36.0	2.35	

****LIGHT METER RESULTS****

SITE NAME SAND ISLAND

DIST. GREEN SIDE 2100 ft
OVERHEAD RDG - 3700
RDG UNDER ICE SURF. - 92



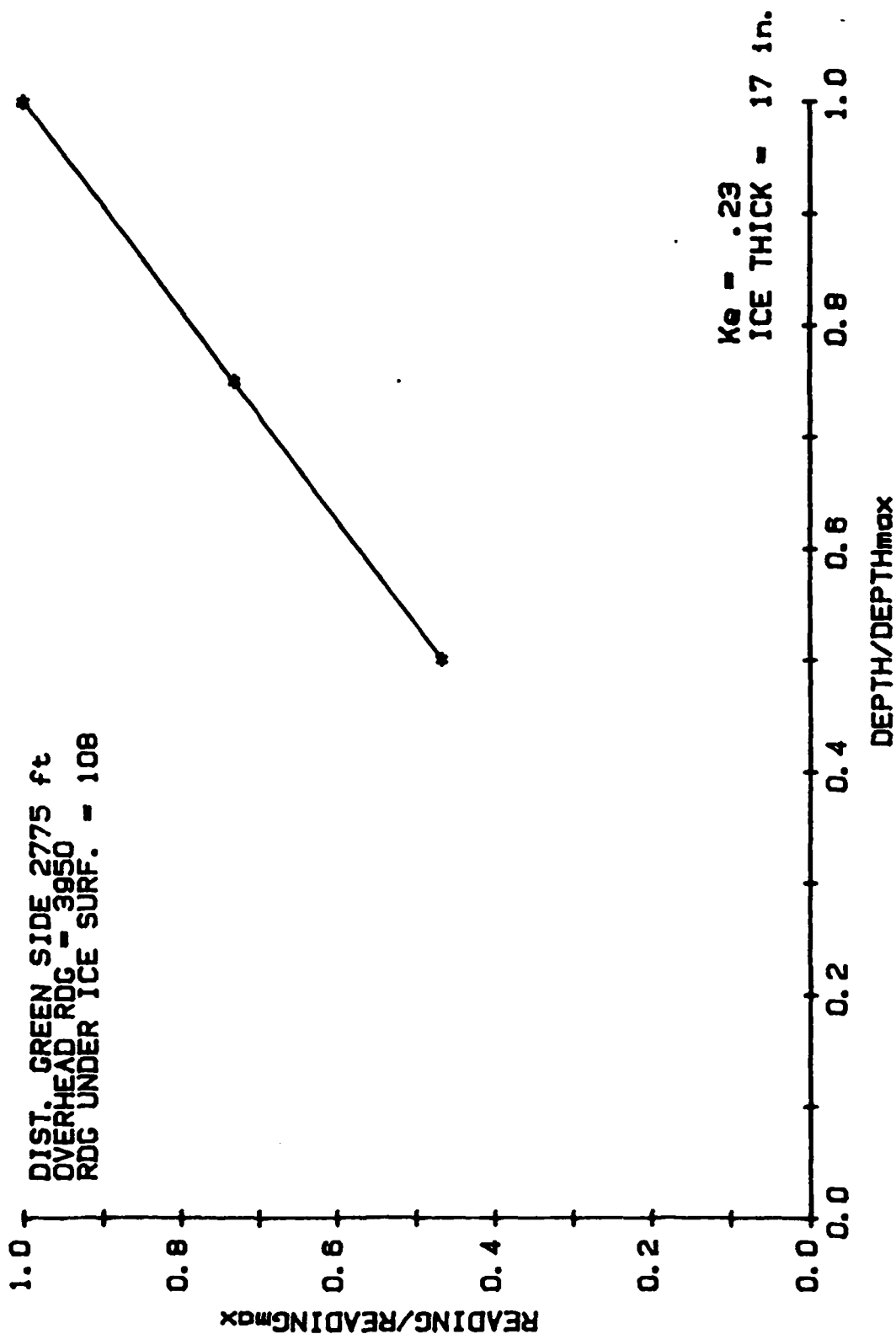
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1.5	108.00	
2.0	71.00	
3.0	56.00	0.28
4.0	44.00	

****LIGHT METER RESULTS****

SITE NAME SAND ISLAND

DIST. GREEN SIDE 2775 ft
OVERHEAD RDG - 3950
RDG UNDER ICE SURF. - 108



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ICE THICKNESSES

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SITE NAME ISLAND VIEW

DATE 3/19/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** LOC.(ft)	DEPTH AT *** LOC.(ft)***	ICE THICK *** (in.) ***
LOCATION 1	65.0	2.7	19.0
LOCATION 2	115.0	3.5	18.0
LOCATION 3	215.0	15.5	18.0
LOCATION 4	515.0	24.0	18.0
LOCATION 5	1000.0	34.6	16.0
LOCATION 6	1550.0	12.0	18.0
LOCATION 7	2050.0	5.4	20.0
LOCATION 8	2150.0	4.3	21.0
LOCATION 9	2200.0	3.5	22.0

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TURBIDITY READINGS

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SITE NAME ISLAND VIEW

DATE 3/19/85

TOTAL DEPTH AT LOCATION	1	(ft)	2.7
TOTAL DEPTH AT LOCATION	2	(ft)	3.5
TOTAL DEPTH AT LOCATION	3	(ft)	15.5
TOTAL DEPTH AT LOCATION	4	(ft)	24
TOTAL DEPTH AT LOCATION	5	(ft)	34.6
TOTAL DEPTH AT LOCATION	6	(ft)	12
TOTAL DEPTH AT LOCATION	7	(ft)	5.4
TOTAL DEPTH AT LOCATION	8	(ft)	4.3
TOTAL DEPTH AT LOCATION	9	(ft)	3.5

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	65.0	2.5	0.64
LOCATION 2	115.0	3.0	0.58
LOCATION 3	215.0	3.0	0.74
LOCATION 4	515.0	3.0	0.52
LOCATION 5	1000.0	5.0	0.26
		15.0	0.24
		25.0	0.24
LOCATION 6	1550.0	3.0	0.25
LOCATION 7	2050.0	3.0	0.25
LOCATION 8	2150.0	3.0	0.24
LOCATION 9	2200.0	3.0	0.30

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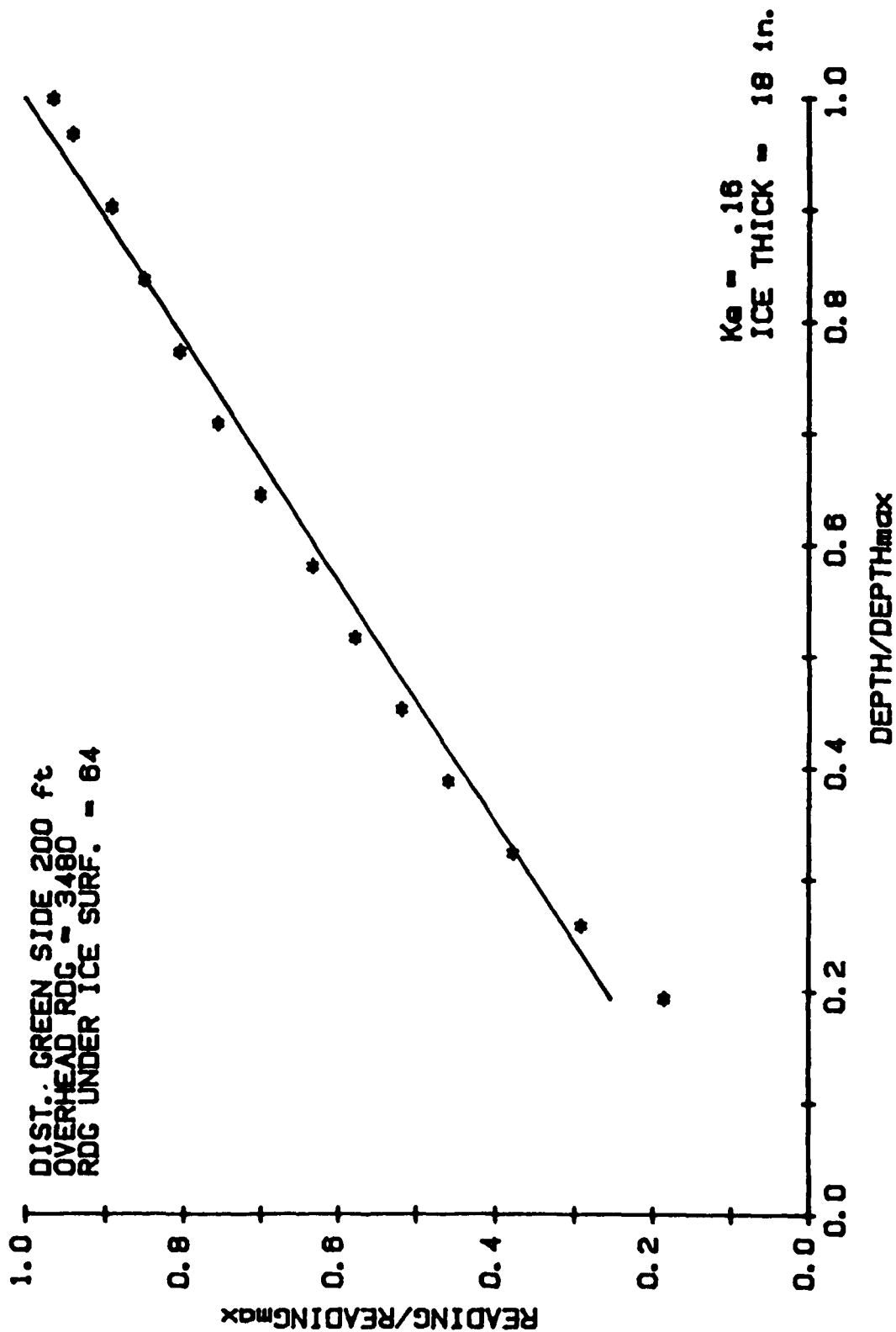
LIGHT READING JUST UNDER ICE 64

0.74

****LIGHT METER RESULTS****

SITE NAME ISLAND VIEW

DIST.: GREEN SIDE 200 ft
OVERHEAD ROD - 3480
ROD UNDER ICE SURF. - 64



LIGHT METER READINGS

SITE NAME ISLAND VIEW
READING LOCATION (dist. from green side ft) 1000 ft

DATE 3/19/85
TIME 9:20 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 2
ICE THICKNESS (in) 16
TOTAL DEPTH AT LOCATION (ft) 34.6

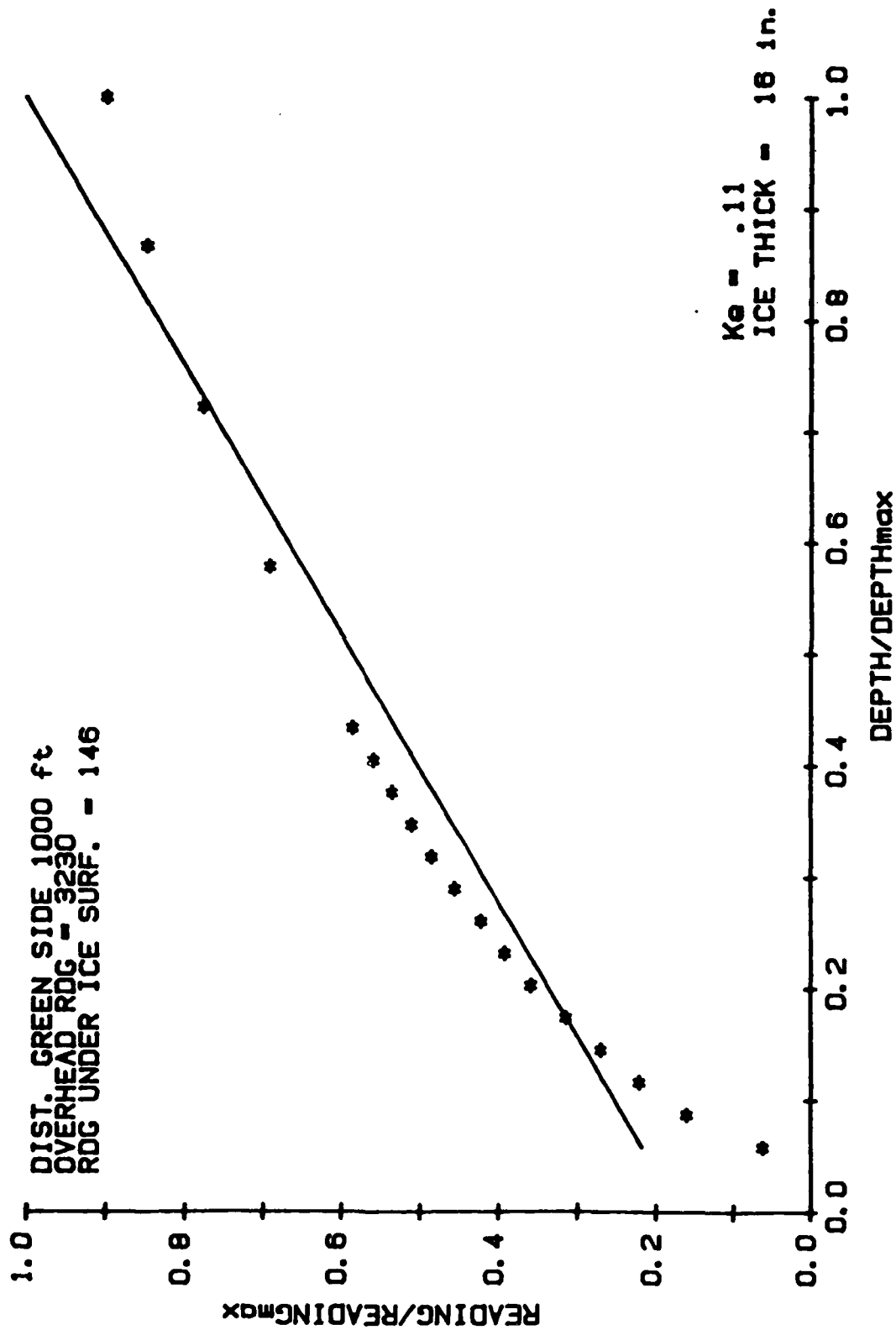
OVERHEAD LIGHT READING 3230
LIGHT READING JUST UNDER ICE 146

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.4	146.00	
2.0	108.00	
3.0	67.50	
4.0	50.20	
5.0	39.70	0.26
6.0	32.20	
7.0	26.10	
8.0	22.20	
9.0	19.20	
10.0	16.40	
11.0	14.20	
12.0	12.60	
13.0	11.20	
14.0	10.00	
15.0	8.80	0.24
20.0	5.30	
25.0	3.52	0.24
30.0	2.50	
34.6	1.97	

****LIGHT METER RESULTS****

SITE NAME ISLAND VIEW
 DIST. GREEN SIDE 1000 ft
 OVERHEAD RDG - 3230
 RDG UNDER ICE SURF. - 146



LIGHT METER READINGS

SITE NAME ISLAND VIEW
READING LOCATION (dist. from green side ft) 2068 ft

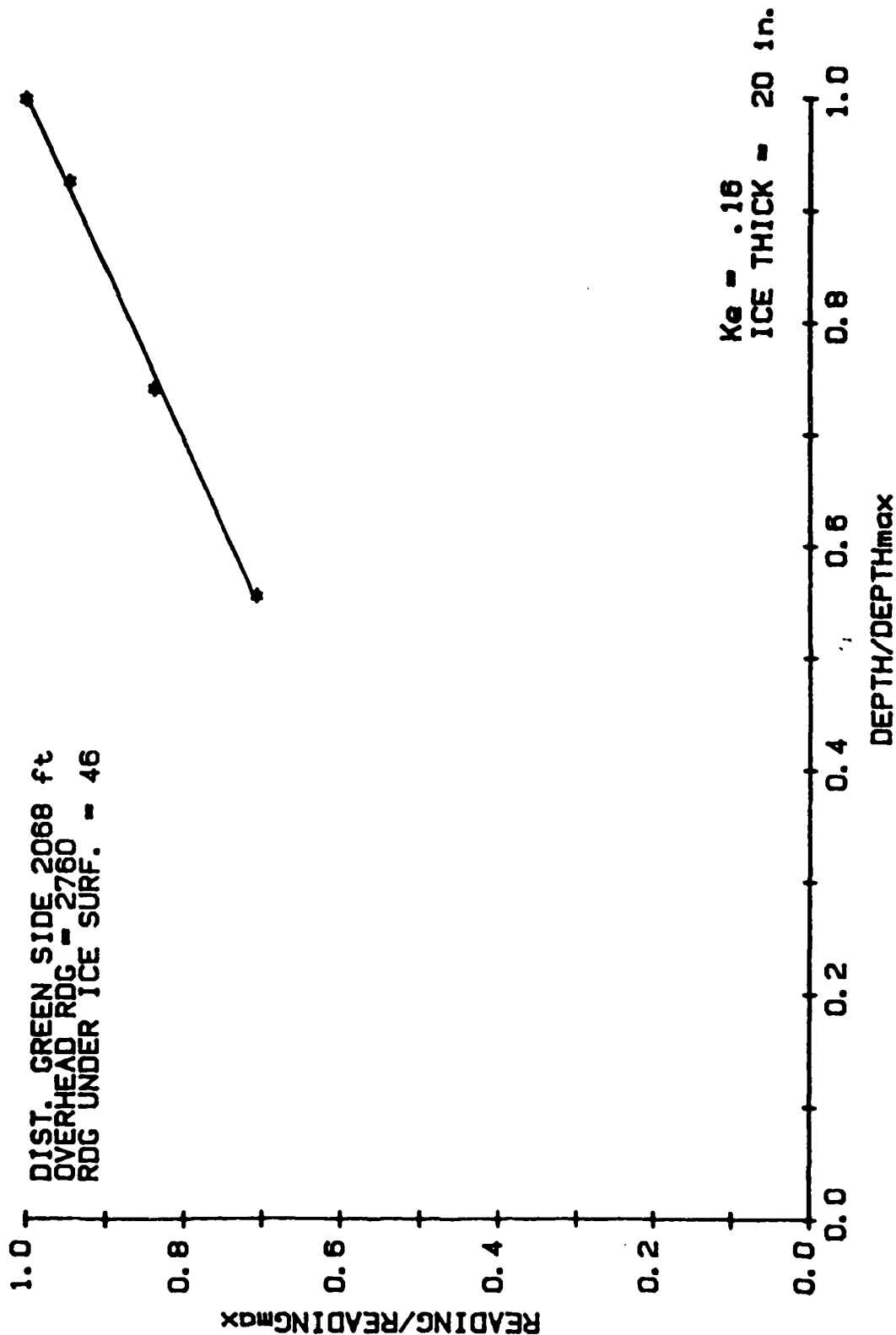
DATE 3/19/85
TIME 9:00 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 2
ICE THICKNESS (in) 20
TOTAL DEPTH AT LOCATION (ft) 5.4

OVERHEAD LIGHT READING 2760
LIGHT READING JUST UNDER ICE 46

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
1.7	46.00	
3.0	17.50	0.25
4.0	14.60	
5.0	12.60	
5.4	11.70	

****LIGHT METER RESULTS****

SITE NAME ISLAND VIEW
 DIST. GREEN SIDE 2068 ft
 OVERHEAD RDG. = 2760
 RDG UNDER ICE SURF. = 46



XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

DATE 3/18/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO	DEPTH AT	ICE THICK
***	LOC.(ft)	***LOC.(ft)***	*** (in.) ***
LOCATION 1	200.0	2.5	24.0
LOCATION 2	300.0	4.1	24.0
LOCATION 3	600.0	7.6	14.0
LOCATION 4	1100.0	8.8	15.0
LOCATION 5	1600.0	9.1	18.0
LOCATION 6	2100.0	14.6	17.0
LOCATION 7	3100.0	33.4	13.0
LOCATION 8	4850.0	33.1	12.5
LOCATION 9	5350.0	8.1	16.0
LOCATION 10	5650.0	4.1	14.0
LOCATION 11	5750.0	3.3	16.0
LOCATION 12	5800.0	2.3	20.0

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TURBIDITY READINGS

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SITE NAME NINE MILE

DATE 3/18/85

TOTAL DEPTH AT LOCATION	1	(ft)	4.1
TOTAL DEPTH AT LOCATION	2	(ft)	7.6
TOTAL DEPTH AT LOCATION	3	(ft)	8.8
TOTAL DEPTH AT LOCATION	4	(ft)	9.100001
TOTAL DEPTH AT LOCATION	5	(ft)	14.6
TOTAL DEPTH AT LOCATION	6	(ft)	33.4
TOTAL DEPTH AT LOCATION	7	(ft)	33.1
TOTAL DEPTH AT LOCATION	8	(ft)	8.100001
TOTAL DEPTH AT LOCATION	9	(ft)	4.1
TOTAL DEPTH AT LOCATION	10	(ft)	3.3
TOTAL DEPTH AT LOCATION	11	(ft)	2.3

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	300.0		
		3.0	5.20
LOCATION 2	600.0		
		3.0	1.60
LOCATION 3	1100.0		
		3.0	0.70
LOCATION 4	1600.0		
		3.0	0.77
LOCATION 5	2100.0		
		3.0	0.66
		10.0	0.47
LOCATION 6	3100.0		
		10.0	0.37
		25.0	0.46
LOCATION 7	4850.0		
		5.0	0.28
		15.0	0.18
		25.0	0.23
LOCATION 8	5350.0		
		3.0	0.45
LOCATION 9	5650.0		
		3.0	0.67
LOCATION 10	5750.0		
		3.0	0.77
LOCATION 11	5800.0		
		2.0	2.50

TURBIDITY READINGS

DATE 3/18/85

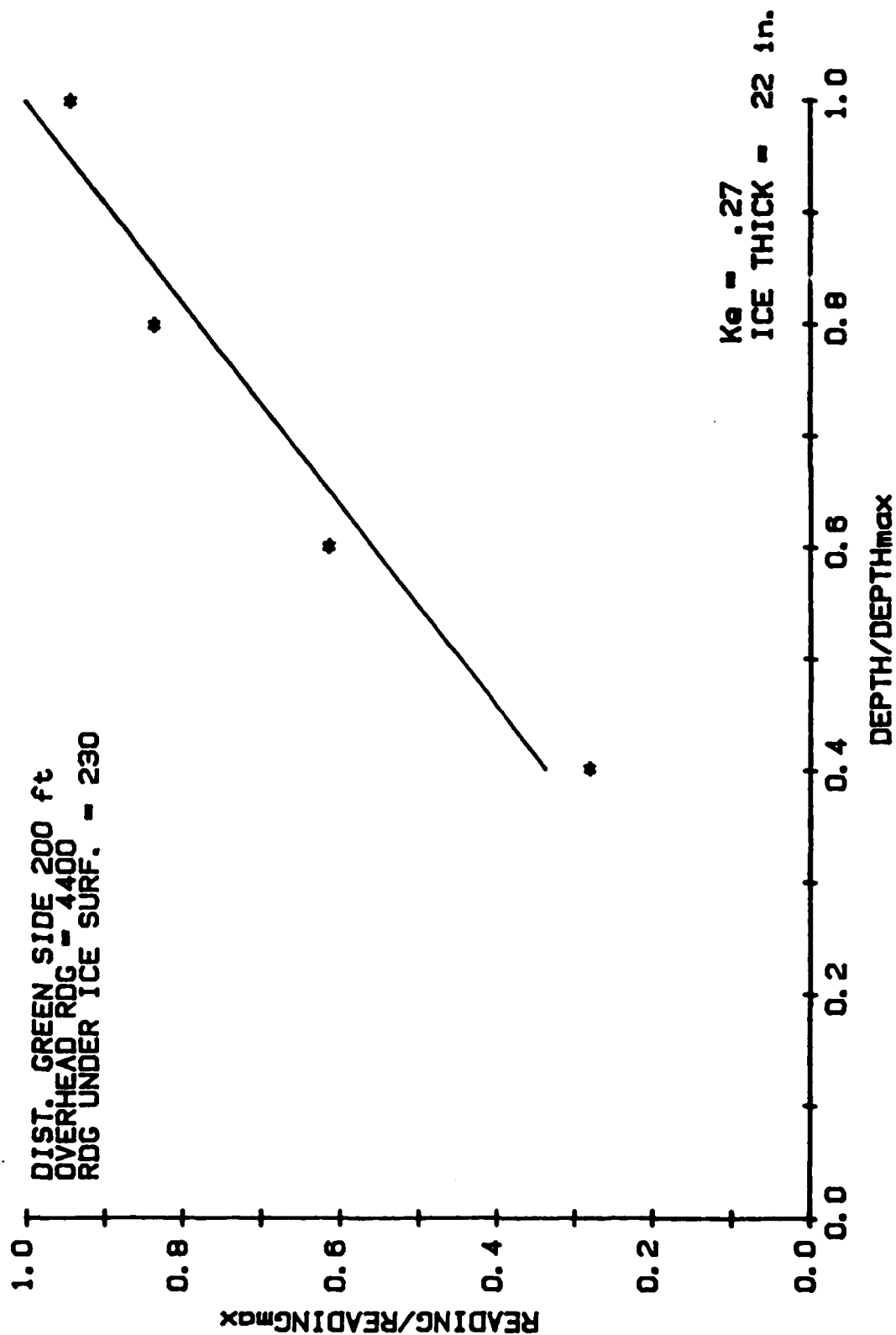
ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

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****LIGHT METER RESULTS****

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 200 ft
OVERHEAD RDG - 4400
RDG UNDER ICE SURF. - 230



LIGHT METER READINGS

SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 515 ft

DATE 3/17/85
TIME 12:45 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 11
TOTAL DEPTH AT LOCATION (ft) 35

OVERHEAD LIGHT READING 4400
LIGHT READING JUST UNDER ICE 295

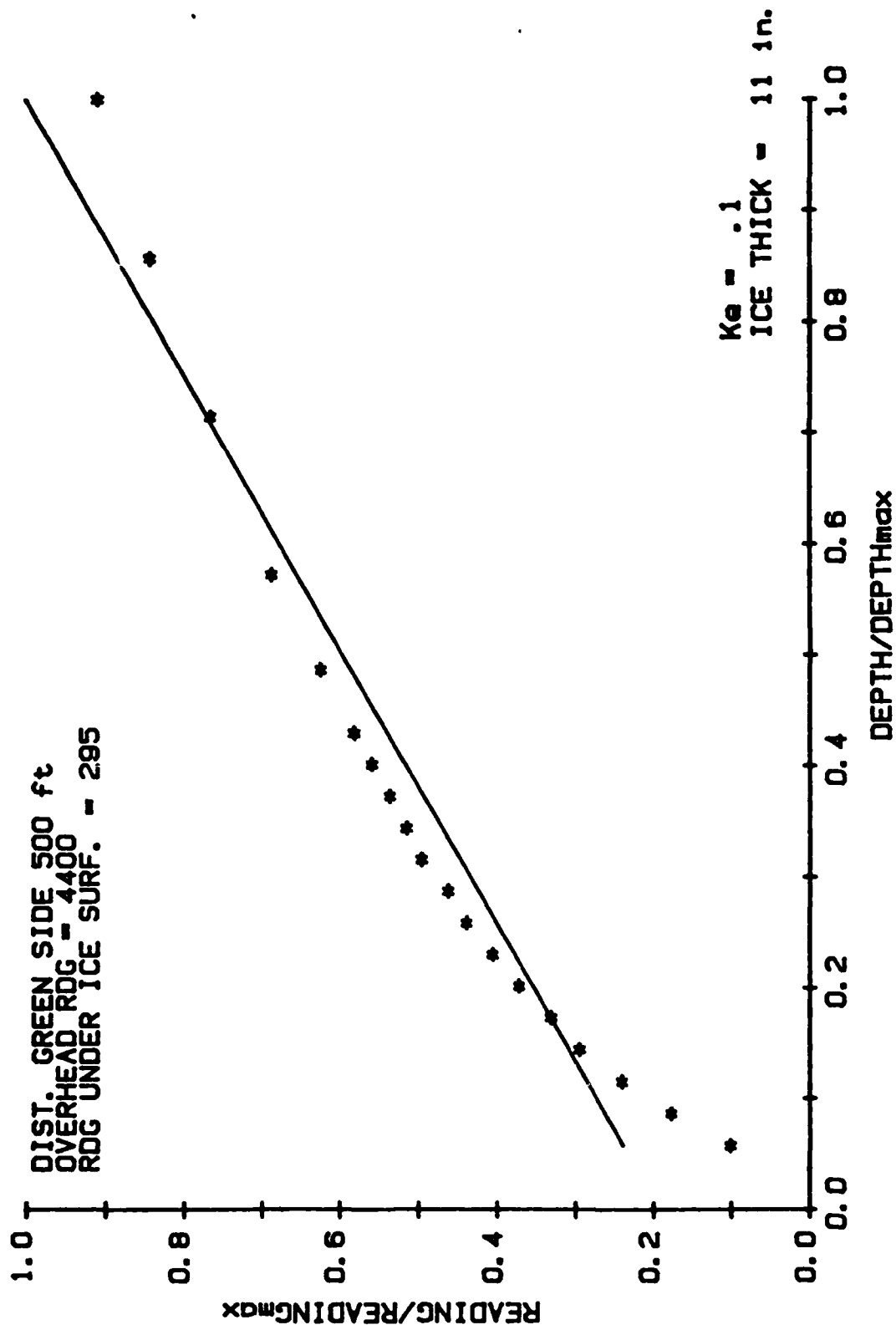
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.0	295.00	
2.0	185.00	
3.0	130.00	
4.0	97.00	
5.0	75.50	0.22
6.0	64.00	
7.0	53.00	
8.0	45.50	
9.0	39.00	
10.0	35.00	
11.0	30.00	
12.0	27.50	
13.0	25.00	
14.0	22.50	
15.0	20.30	0.22
17.0	16.70	
20.0	12.50	
25.0	8.70	0.19
30.0	6.10	
35.0	4.50	

****LIGHT METER RESULTS****

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 500 ft
OVERHEAD RDG - 4400
RDG UNDER ICE SURF. - 295



LIGHT METER READINGS

SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 1130 ft

DATE 3/18/85
TIME 11:30 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 8.5
TOTAL DEPTH AT LOCATION (ft) 28

OVERHEAD LIGHT READING 4250
LIGHT READING JUST UNDER ICE 206

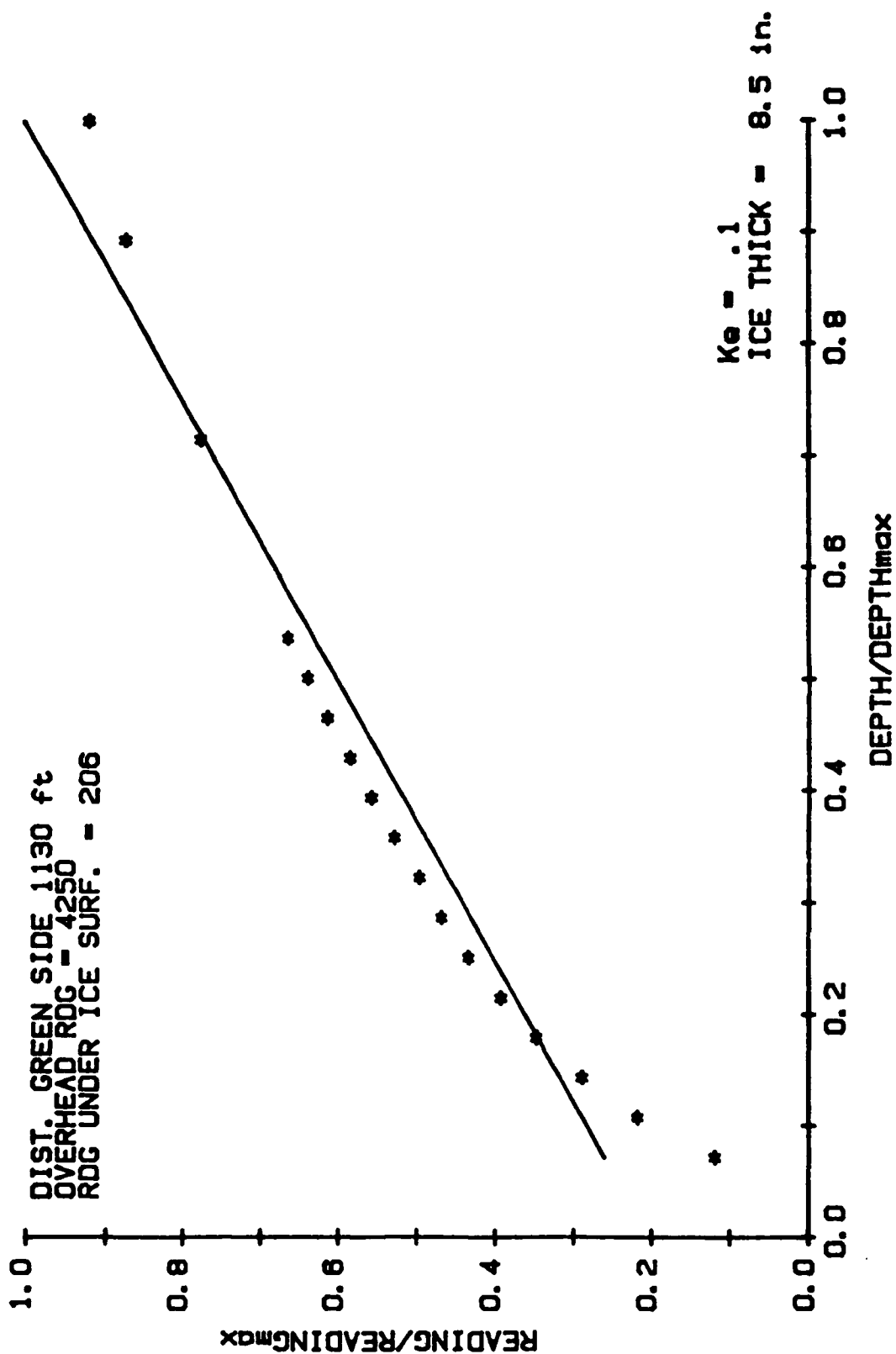
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.8	206.00	
2.0	135.00	
3.0	95.00	
4.0	74.00	
5.0	60.00	0.25
6.0	51.20	
7.0	44.30	
8.0	39.20	
9.0	35.50	
10.0	31.80	
11.0	28.60	
12.0	26.00	
13.0	23.50	
14.0	21.50	
15.0	19.70	0.32
20.0	13.20	
25.0	9.40	0.32
28.0	8.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 1130 ft
OVERHEAD RDG - 4250
RDG UNDER ICE SURF. - 206



LIGHT METER READINGS

SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 2130 ft

DATE 3/18/85
TIME 11:15 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 16
TOTAL DEPTH AT LOCATION (ft) 8.2

OVERHEAD LIGHT READING 4220
LIGHT READING JUST UNDER ICE 142

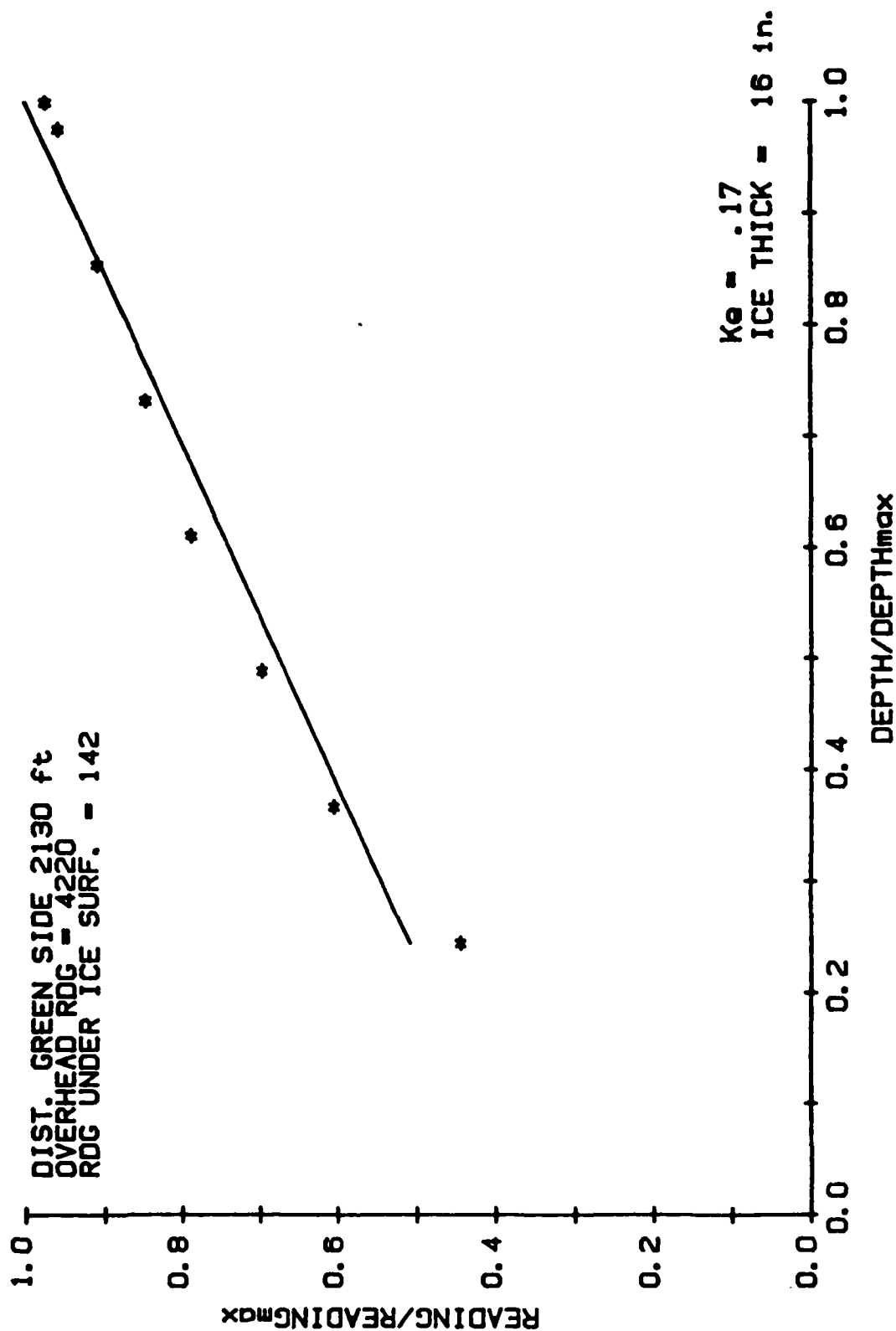
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.4	142.00	
2.0	53.80	
3.0	38.00	0.33
4.0	31.10	
5.0	25.50	
6.0	22.40	
7.0	19.60	
8.0	17.60	
8.2	17.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 2130 ft
OVERHEAD RDG = 4220
RDG UNDER ICE SURF. = 142



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LIGHT METER READINGS

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SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 2930 ft

DATE 3/18/85
TIME 11:00 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 17
TOTAL DEPTH AT LOCATION (ft) 4.2

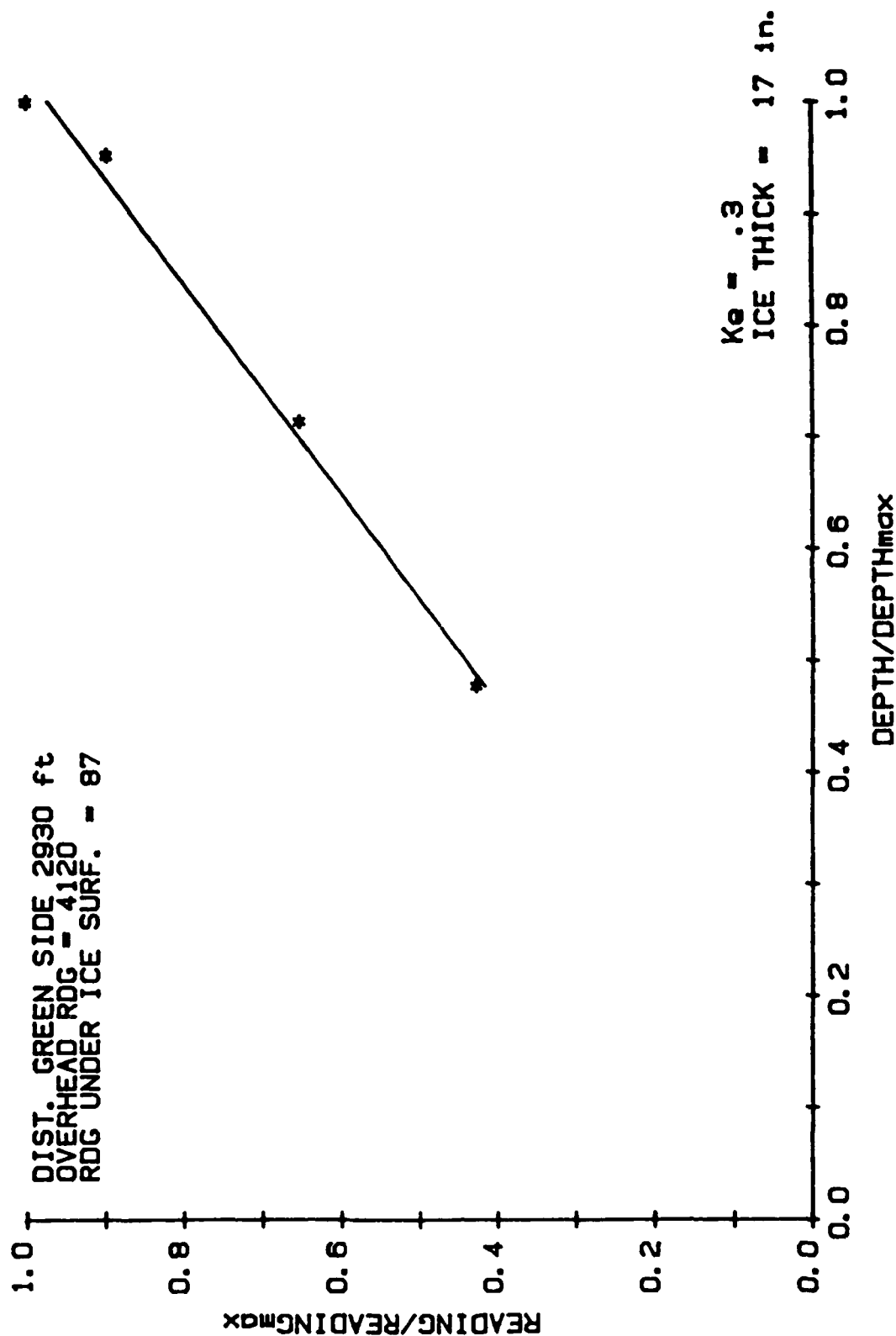
OVERHEAD LIGHT READING 4120
LIGHT READING JUST UNDER ICE 87

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
1.5	87.00	
2.0	51.50	
3.0	39.00	1.00
4.0	28.90	
4.2	25.50	

****LIGHT METER RESULTS****

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 2930 ft
OVERHEAD RDG - 4120
RDG UNDER ICE SURF. - 87



ICE THICKNESSES

SITE NAME	WEST CELL DOCK
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DATE **3/17-3/18/85**

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO	DEPTH AT	ICE THICK
***	LOC.(ft)	*** LOC.(ft)***	*** (in.) ***
LOCATION 1	65.0	3.8	15.0
LOCATION 2	115.0	6.9	12.0
LOCATION 3	215.0	7.4	16.0
LOCATION 4	415.0	3.8	14.0
LOCATION 5	665.0	9.5	17.0
LOCATION 6	1355.0	6.5	12.0

[illegible]

TURBIDITY READINGS

[illegible]

SITE NAME **WEST CELL DOCK**

DATE **3/18/85**

TOTAL DEPTH AT LOCATION	1	(ft)	6.5
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ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1355.0	3.0	0.36

LIGHT METER READINGS

SITE NAME WEST CELL DOCK
READING LOCATION (dist. from green side ft) 215 ft

DATE 3/17/85
TIME 1:15 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 16
TOTAL DEPTH AT LOCATION (ft) 7.4

OVERHEAD LIGHT READING 4350
LIGHT READING JUST UNDER ICE 134

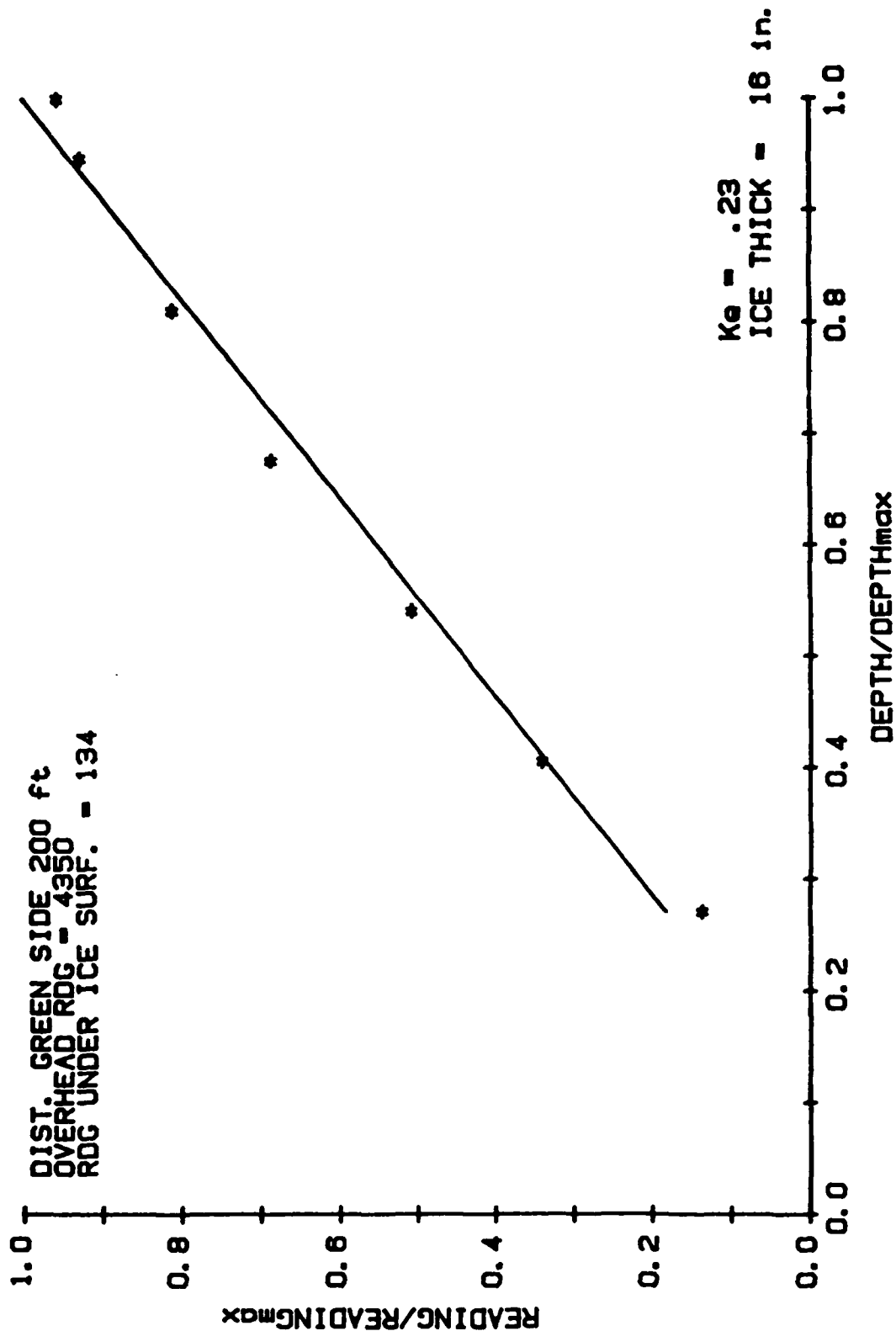
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.4	134.00	
2.0	108.00	
3.0	78.50	0.36
4.0	60.30	
5.0	45.50	
6.0	37.40	
7.0	31.20	
7.4	29.80	

****LIGHT METER RESULTS****

SITE NAME WEST CELL DOCK

DIST. GREEN SIDE 200 ft
OVERHEAD RDG - 4350
RDG UNDER ICE SURF. - 134



LIGHT METER READINGS

SITE NAME WEST CELL DOCK
READING LOCATION (dist. from green side ft) 665 ft

DATE 3/17/85
TIME 1:20 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 17
TOTAL DEPTH AT LOCATION (ft) 9.5

OVERHEAD LIGHT READING 4250
LIGHT READING JUST UNDER ICE 132

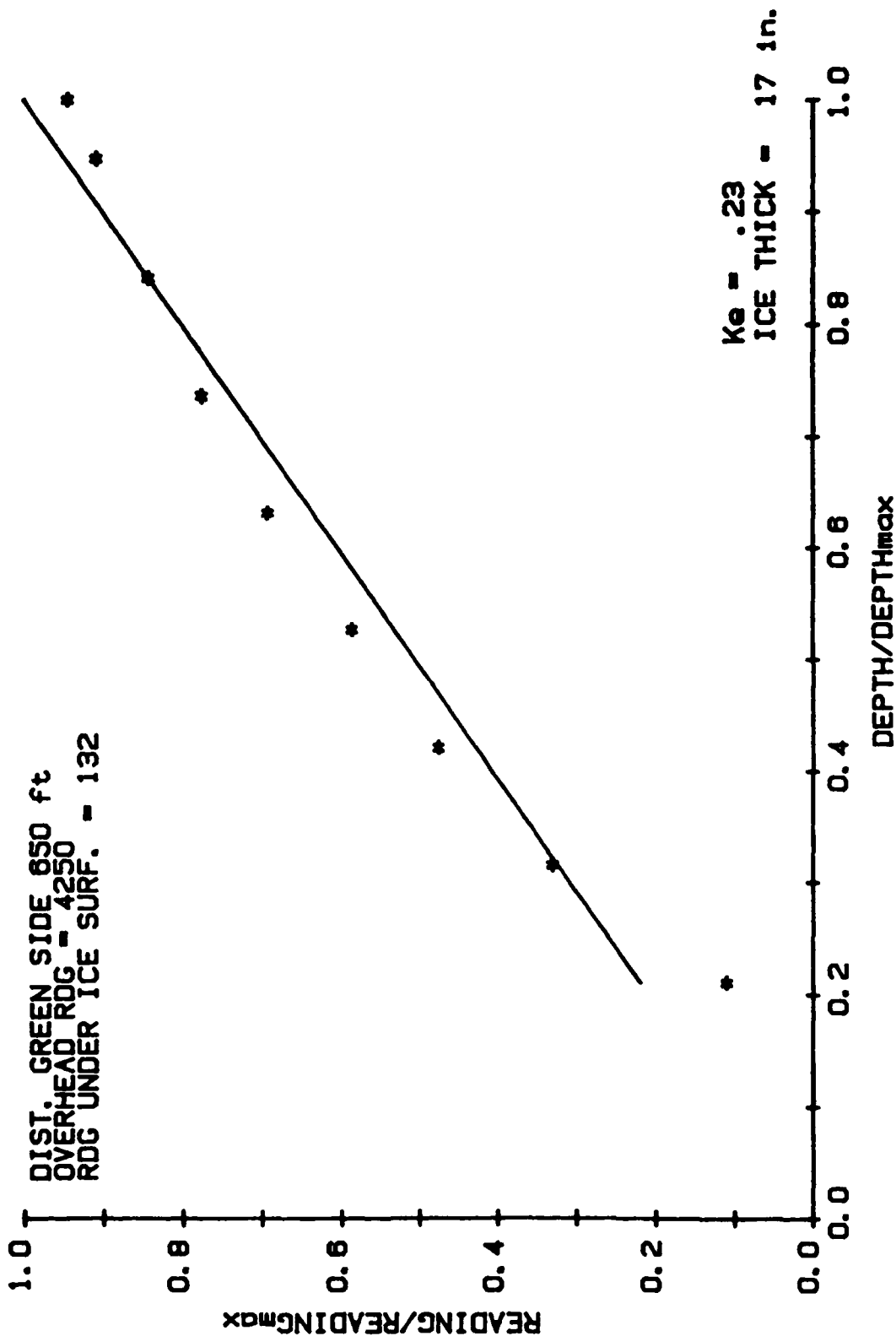
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.5	132.00	
2.0	103.00	
3.0	63.00	0.41
4.0	45.50	
5.0	35.60	0.25
6.0	28.00	
7.0	23.20	
8.0	20.00	
9.0	17.30	
9.5	16.00	

****LIGHT METER RESULTS****

SITE NAME WEST CELL DOCK

DIST. GREEN SIDE 650 ft
OVERHEAD RDG = 4250
RDG UNDER ICE SURF. = 132



ICE THICKNESSES

[illegible]

SITE NAME MOON ISLAND

DATE 3/17/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO	DEPTH AT	ICE THICK
***	LOC.(ft)	***LOC.(ft)***	*** (in.) ***
LOCATION 1	65.0	2.5	30.0
LOCATION 2	115.0	5.4	21.0
LOCATION 3	215.0	6.5	19.0
LOCATION 4	750.0	24.0	21.0
LOCATION 5	1475.0	6.5	16.0
LOCATION 6	1575.0	6.5	18.0
LOCATION 7	1625.0	3.0	17.0

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TURBIDITY READINGS

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SITE NAME MOON ISLAND

DATE 3/17/85

TOTAL DEPTH AT LOCATION	1	(ft)	5.4
TOTAL DEPTH AT LOCATION	2	(ft)	6.5
TOTAL DEPTH AT LOCATION	3	(ft)	24
TOTAL DEPTH AT LOCATION	4	(ft)	6.5
TOTAL DEPTH AT LOCATION	5	(ft)	6.5
TOTAL DEPTH AT LOCATION	6	(ft)	3

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	115.0	3.0	0.61
LOCATION 2	215.0	3.0	0.32
LOCATION 3	750.0	5.0 15.0 20.0	0.25 0.35 0.27
LOCATION 4	1475.0	3.0	0.72
LOCATION 5	1575.0	3.0	0.61
LOCATION 6	1625.0	2.5	0.64

LIGHT METER READINGS

SITE NAME MOON ISLAND
READING LOCATION (dist. from green side ft) 900 ft

DATE 3/17/85
TIME 8:40 AM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 100
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 21
TOTAL DEPTH AT LOCATION (ft) 24

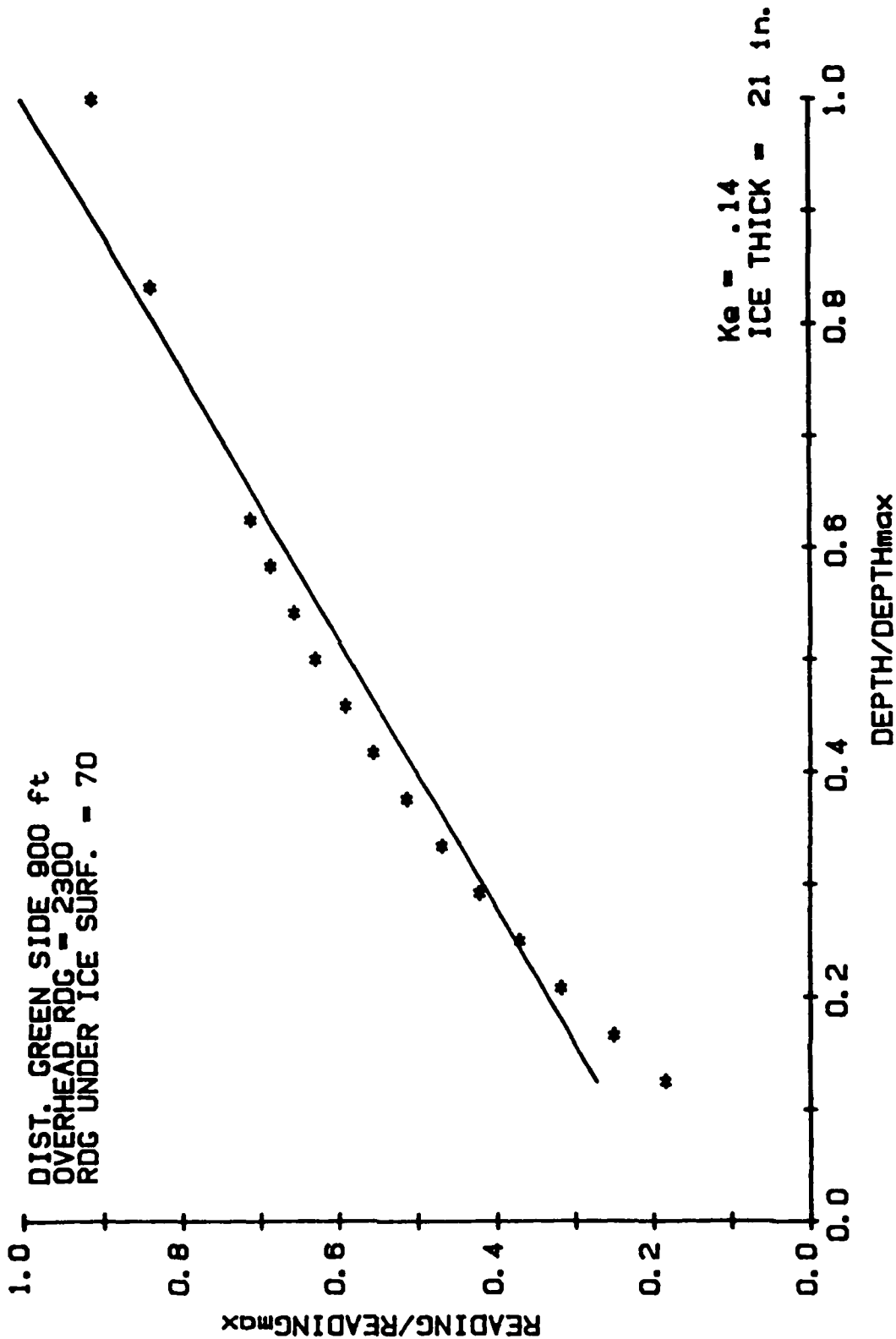
OVERHEAD LIGHT READING 2300
LIGHT READING JUST UNDER ICE 70

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.8	70.00	
3.0	32.00	
4.0	24.00	
5.0	18.00	0.25
6.0	14.40	
7.0	11.60	
8.0	9.50	
9.0	7.90	
10.0	6.60	
11.0	5.70	
12.0	4.85	
13.0	4.30	
14.0	3.80	
15.0	3.40	0.35
20.0	1.97	0.27
24.0	1.45	

LIGHT METER RESULTS

SITE NAME MOON ISLAND
 DIST. GREEN SIDE 900 ft
 OVERHEAD RDG - 2300
 RDG UNDER ICE SURF. - 70



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ICE THICKNESSES

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SITE NAME LAKE MUNUSCONG

DATE 3/17/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** LOC.(ft) ***	DEPTH AT ***LOC.(ft)***	ICE THICK *** (in.) ***
LOCATION 1	500.0	5.7	26.0
LOCATION 2	1000.0	9.9	22.0
LOCATION 3	1500.0	11.5	26.0

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TURBIDITY READINGS

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SITE NAME LAKE MUNUSCONG

DATE 3/17/85

TOTAL DEPTH AT LOCATION 1 (ft) 5.7
TOTAL DEPTH AT LOCATION 2 (ft) 9.899999
TOTAL DEPTH AT LOCATION 3 (ft) 11.5

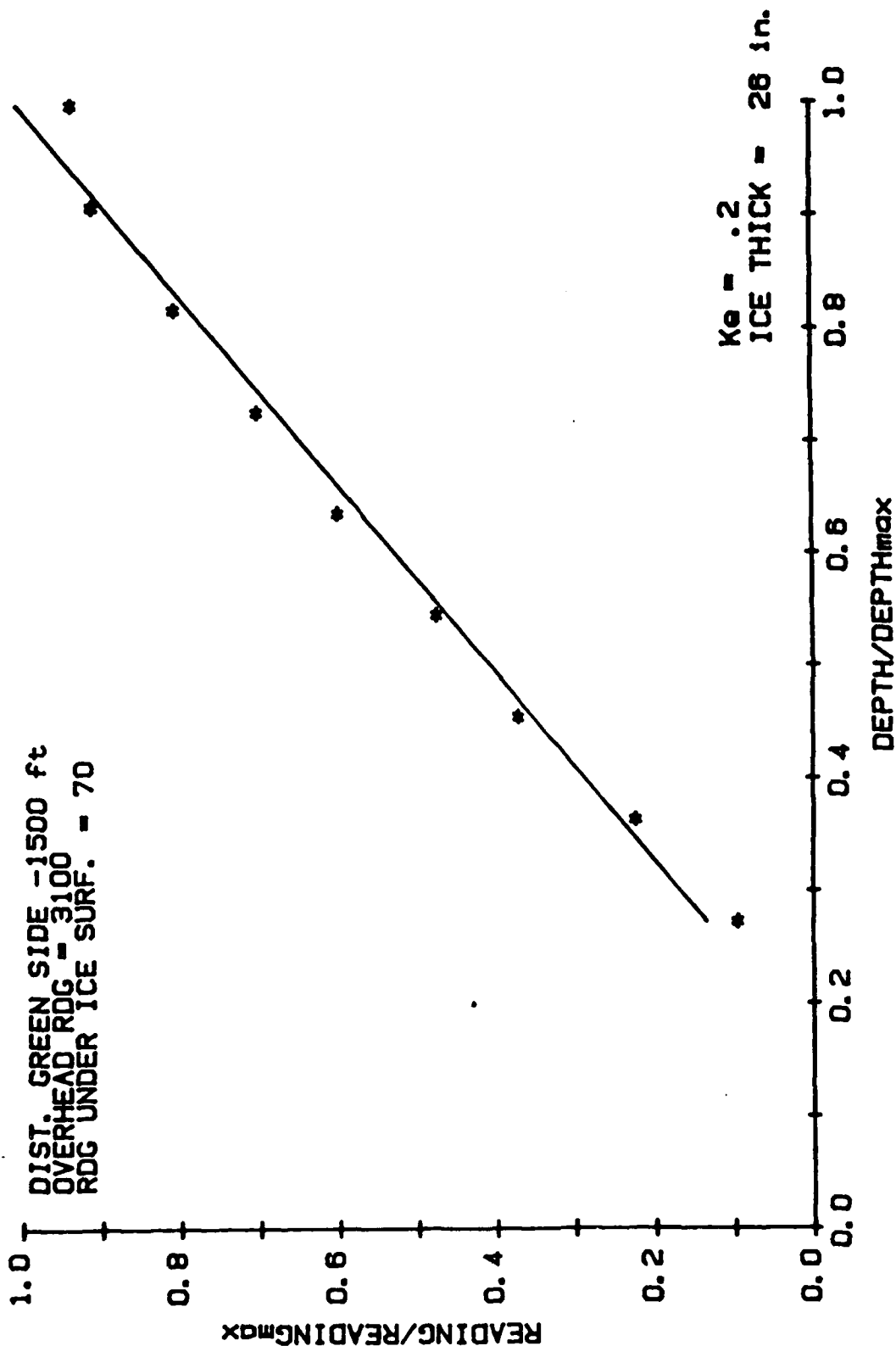
ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	500.0	3.0	0.56
LOCATION 2	1000.0	3.0	0.43
LOCATION 3	1500.0	3.0	0.36

LIGHT METER RESULTS

SITE NAME LAKE MUNUSCONG

DIST. GREEN SIDE -1500 ft
OVERHEAD RDG - 3100
RDG UNDER ICE SURF. - 70



TURBIDITY READINGS

SITE NAME LAKE NICOLET

DATE 3/17/85

TOTAL DEPTH AT LOCATION	1	(ft)	12
TOTAL DEPTH AT LOCATION	2	(ft)	7
TOTAL DEPTH AT LOCATION	3	(ft)	5.8
TOTAL DEPTH AT LOCATION	4	(ft)	5

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO	DEPTH OF	TURBIDITY
	*** SAMPLE(ft) ***	*** SAMPLE ***	*** (JTU) ***
LOCATION 1	1.0		
		3.0	0.34
		10.0	0.34
LOCATION 2	2.0		
		3.0	0.23
LOCATION 3	3.0		
		3.0	0.35
LOCATION 4	4.0		
		3.0	0.30

LIGHT METER READINGS

SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE A

DATE 3/17/85
TIME 1:40 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 14
TOTAL DEPTH AT LOCATION (ft) 12

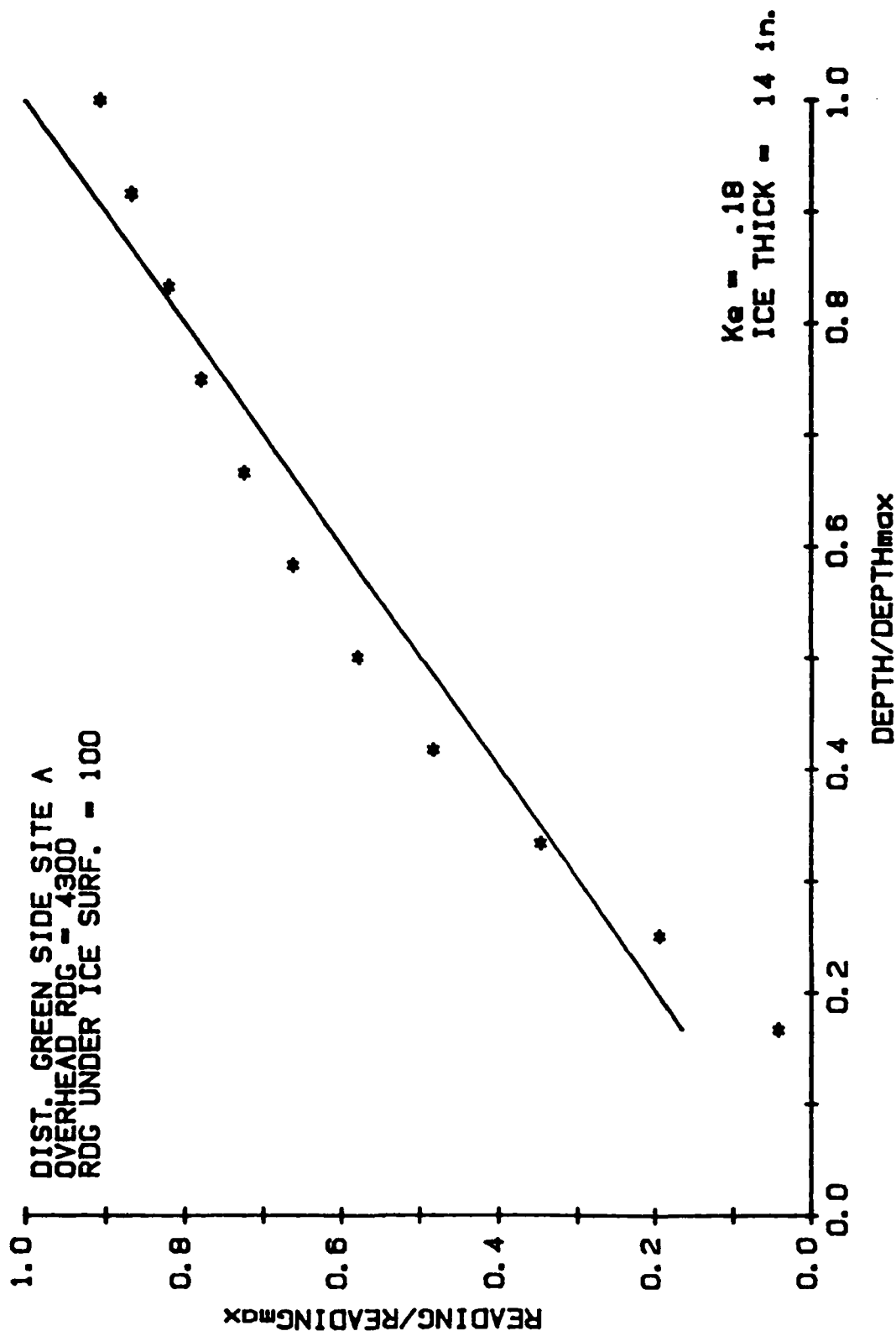
OVERHEAD LIGHT READING 4300
LIGHT READING JUST UNDER ICE 100

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
1.2	100.00	
2.0	91.00	
3.0	64.80	0.34
4.0	46.00	
5.0	34.00	
6.0	27.50	
7.0	22.80	
8.0	19.80	
9.0	17.50	
10.0	16.00	0.34
11.0	14.40	
12.0	13.20	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE A
OVERHEAD ROD - 4300
ROD UNDER ICE SURF. - 100

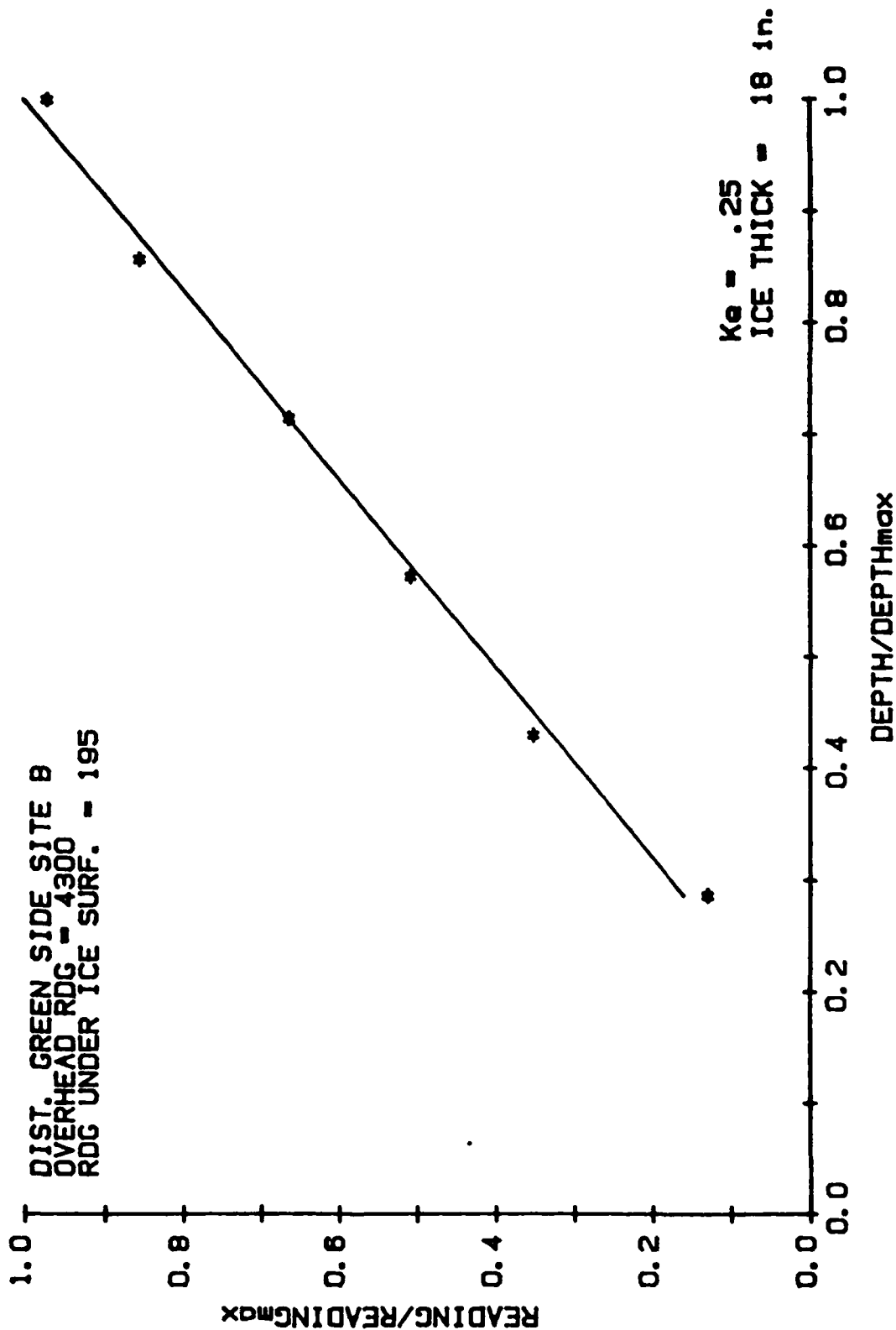


LIGHT METER READINGS

1.5	195.00	
2.0	160.00	
3.0	114.00	0.23
4.0	90.00	
5.0	71.00	
6.0	53.00	
7.0	44.50	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET
DIST. GREEN SIDE SITE B
OVERHEAD RDG - 4300
RDG UNDER ICE SURF. - 195



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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE C

DATE 3/17/85
TIME 2:20 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 21
TOTAL DEPTH AT LOCATION (ft) 5.8

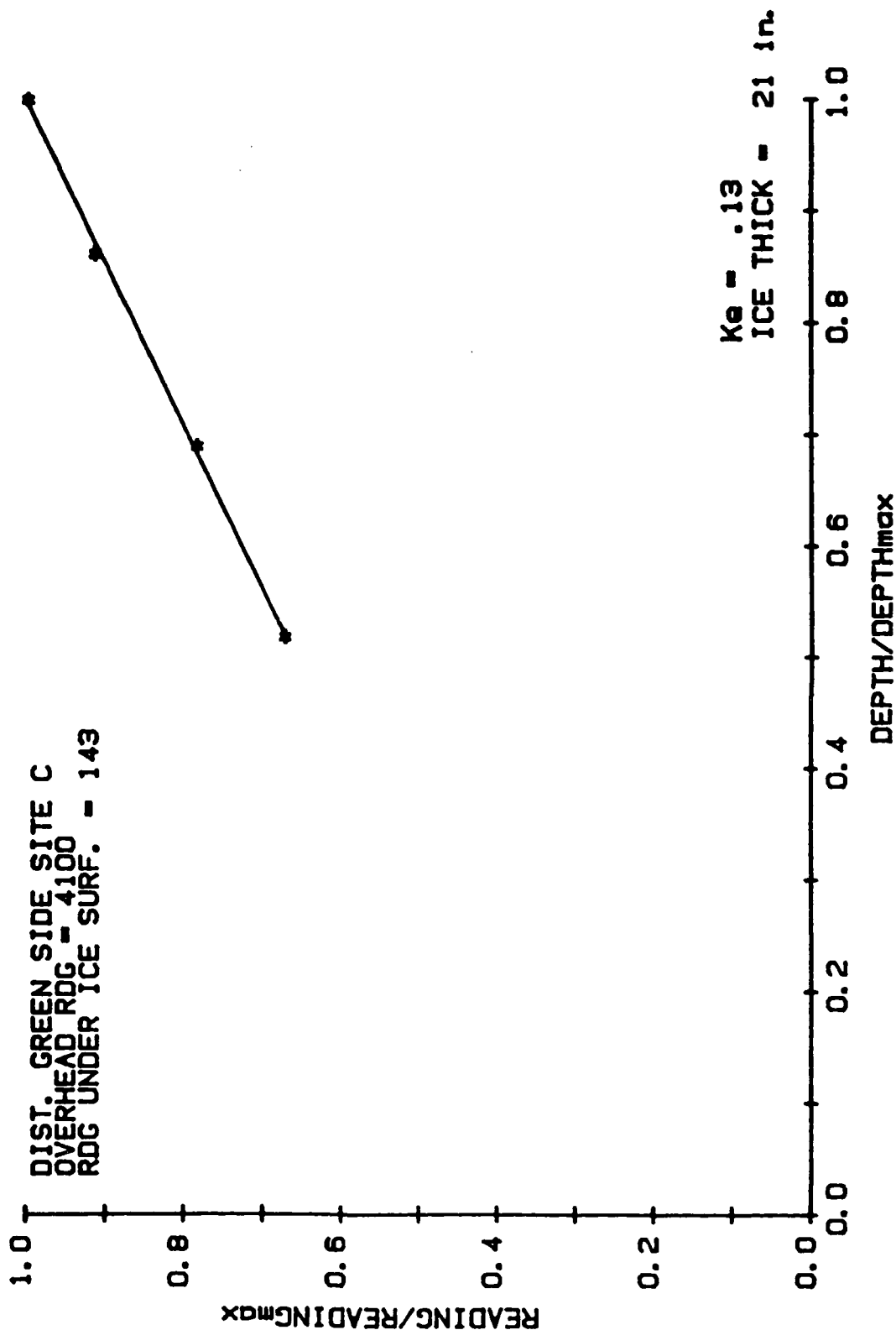
OVERHEAD LIGHT READING 4100
LIGHT READING JUST UNDER ICE 143

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
1.8	143.00	
3.0	66.00	0.35
4.0	58.00	
5.0	50.00	
5.8	45.40	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE C
OVERHEAD RDG - 4100
RDG UNDER ICE SURF. - 143



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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE D

DATE 3/17/85
TIME 2:40 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 80
DEPTH OF SNOW ON ICE (in) 4
ICE THICKNESS (in) 17
TOTAL DEPTH AT LOCATION (ft) 5

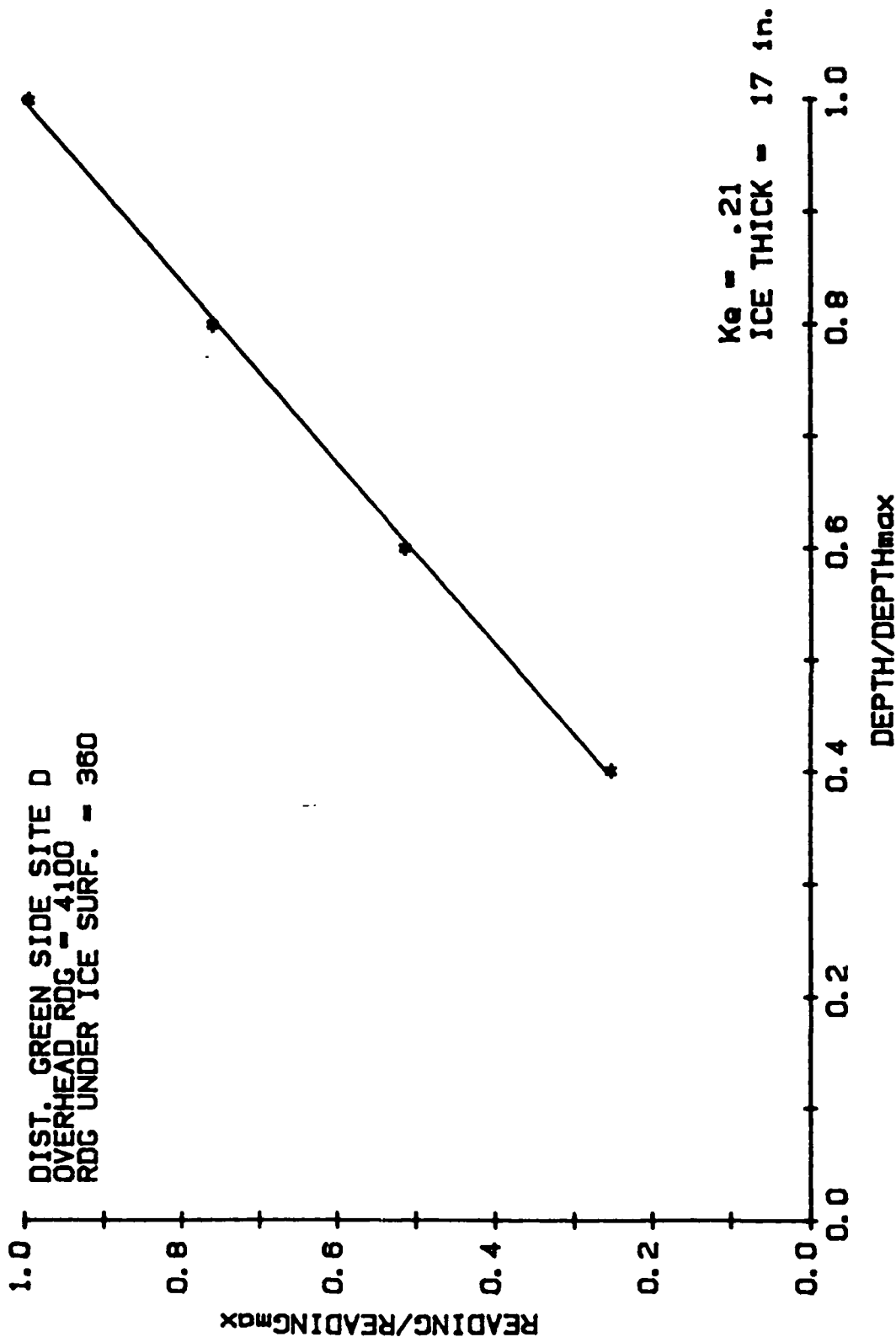
OVERHEAD LIGHT READING 4100
LIGHT READING JUST UNDER ICE 360

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
1.5	360.00	
2.0	290.00	
3.0	232.00	0.30
4.0	188.00	
5.0	154.00	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE D
OVERHEAD RDG - 4100
RDG UNDER ICE SURF. - 360



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TURBIDITY READINGS

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SITE NAME CHARLOTTE RIVER

DATE 3/17/85

TOTAL DEPTH AT LOCATION	1	(ft)	3.9
TOTAL DEPTH AT LOCATION	2	(ft)	5
TOTAL DEPTH AT LOCATION	3	(ft)	7.3
TOTAL DEPTH AT LOCATION	4	(ft)	14.2

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1.0	3.0	14.00
LOCATION 2	2.0	3.0	1.70
LOCATION 3	3.0	3.0	19.50
LOCATION 4	4.0	3.0	21.50

LIGHT METER READINGS

SITE NAME CHARLOTTE RIVER
READING LOCATION (dist. from green side ft) 200' DOWN fr BRIDGE

DATE 3/17/85
TIME 5:00 PM
SKY WAS CLEAR
ICE CONDITION SNOWCOVERED
PERCENTAGE SNOW ON ICE 100
DEPTH OF SNOW ON ICE (in) 6
ICE THICKNESS (in) 17
TOTAL DEPTH AT LOCATION (ft) 14.2

OVERHEAD LIGHT READING 2650
LIGHT READING JUST UNDER ICE 10.4

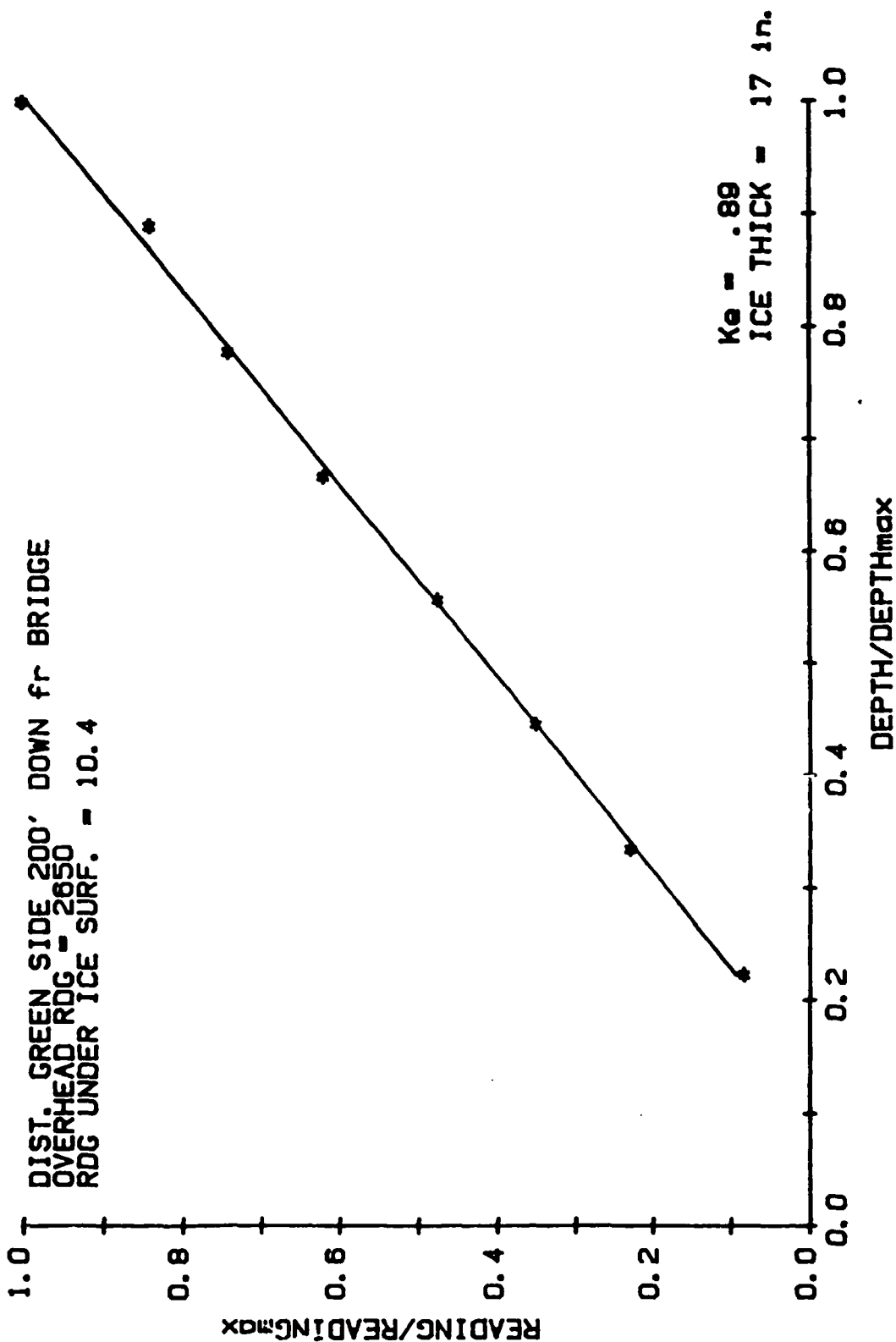
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

1.5	10.40	
2.0	5.80	
3.0	2.10	21.50
4.0	0.90	
5.0	0.38	
6.0	0.14	
7.0	0.06	
8.0	0.03	
9.0	0.01	
10.0	0.00	
14.2	0.00	

****LIGHT METER RESULTS****

SITE NAME CHARLOTTE RIVER

DIST. GREEN SIDE 200' DOWN fr BRIDGE
OVERHEAD RDG = 2650
RDG UNDER ICE SURF. = 10.4



DATA FOR MAY 1985

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 TURBIDITY READINGS
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SITE NAME RIVER VIEW

DATE 5/14/85

TOTAL DEPTH AT LOCATION 1 (ft) 4
 TOTAL DEPTH AT LOCATION 2 (ft) 36.2
 TOTAL DEPTH AT LOCATION 3 (ft) 5.5

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1575.0	2.0	1.60
LOCATION 2	900.0	5.0	0.71
		15.0	1.10
		25.0	0.79
LOCATION 3	200.0	2.0	1.50

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LIGHT METER READINGS

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SITE NAME RIVER VIEW
READING LOCATION (dist. from green side ft) 1575

DATE 5/14/85
TIME 11:00 AM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 4

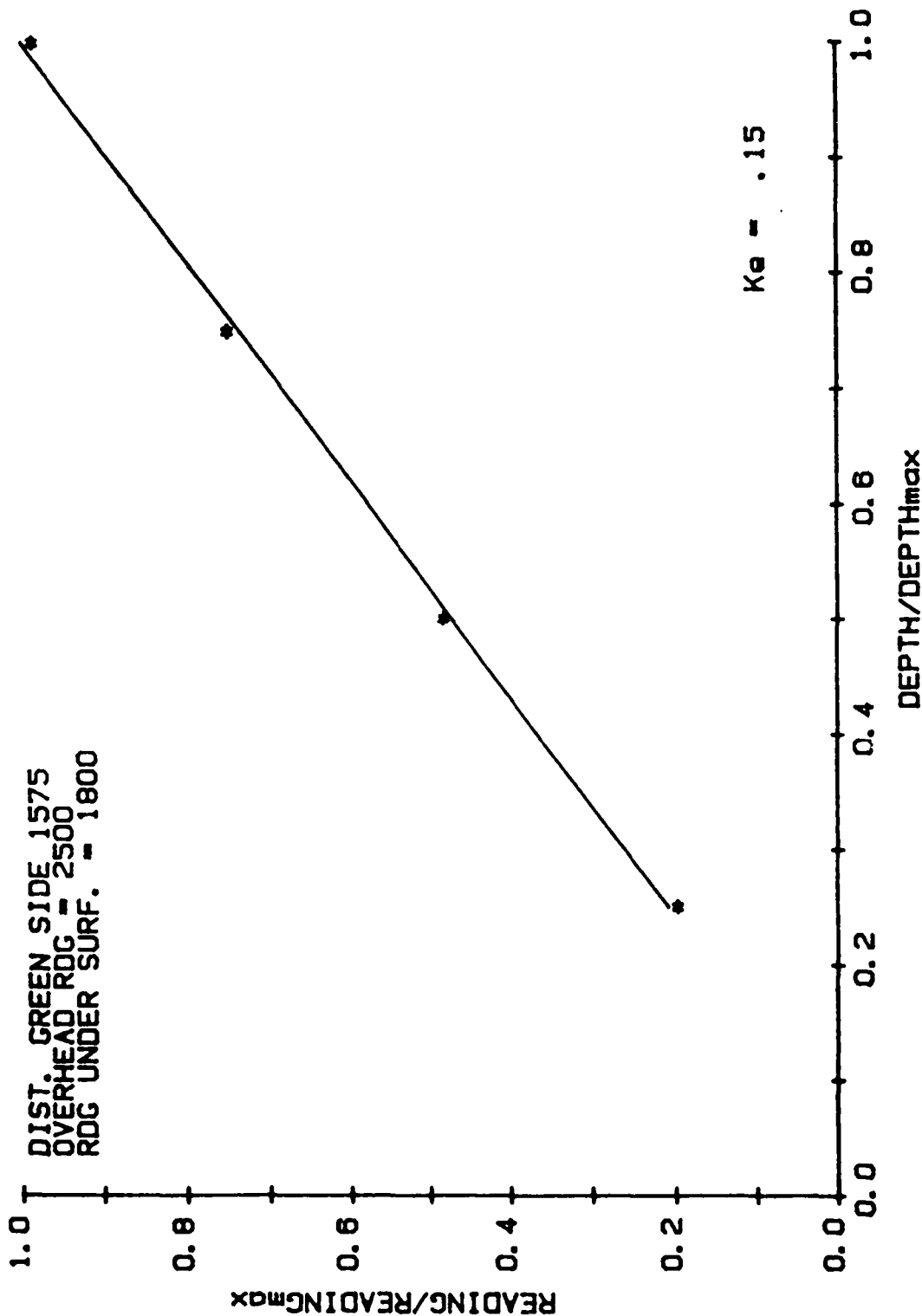
OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 1800

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
0.0	1800.00	
1.0	1600.00	
2.0	1350.00	1.60
3.0	1150.00	
4.0	1000.00	

LIGHT METER RESULTS

SITE NAME RIVER VIEW

DIST. GREEN SIDE 1575
OVERHEAD RDG = 2500
RDG UNDER SURF. = 1800



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LIGHT METER READINGS

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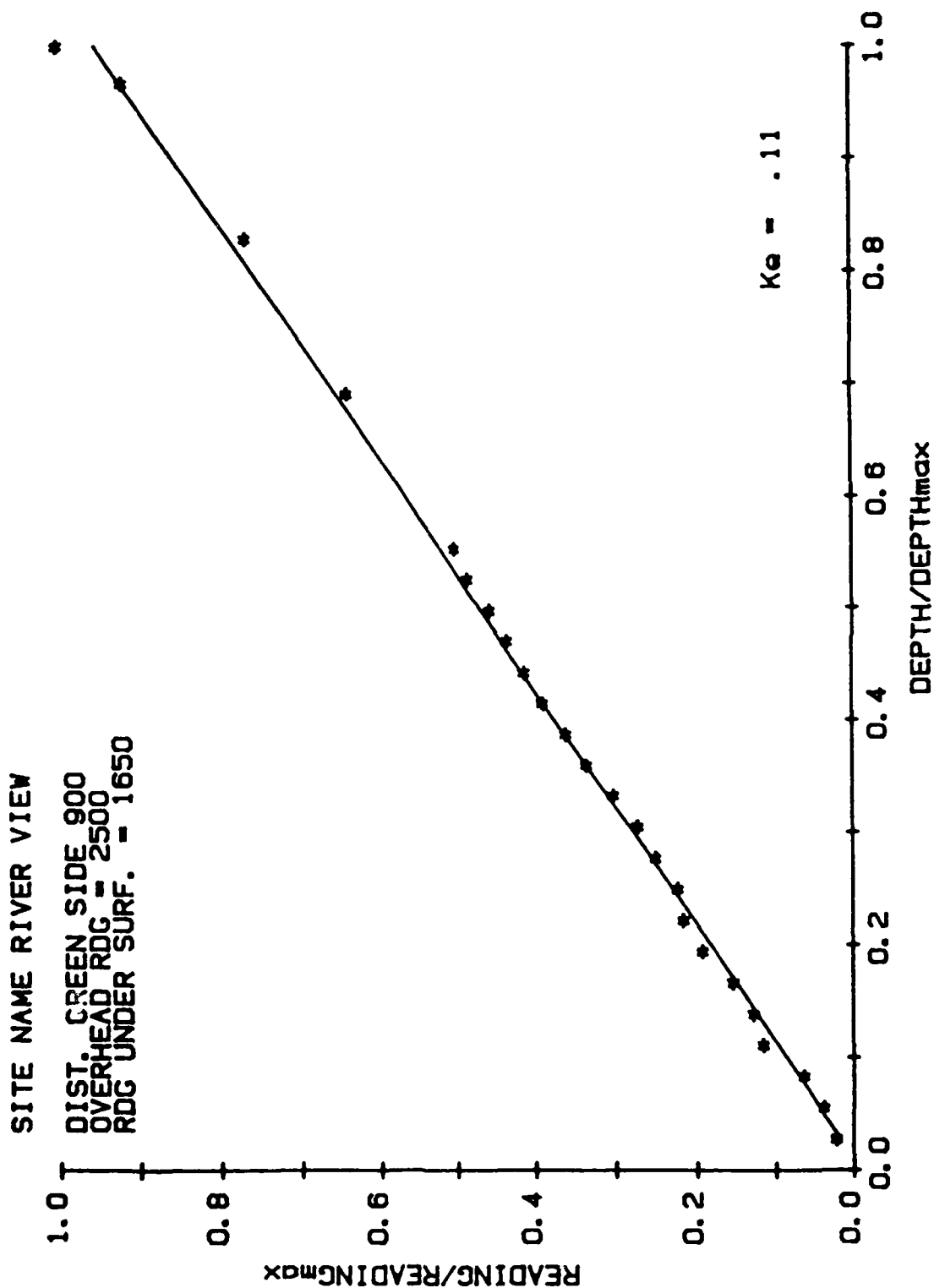
SITE NAME RIVER VIEW
READING LOCATION (dist. from green side ft) 900

DATE 5/14/85
TIME 12:25 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 36.2

OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 1650

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1650.00	
1.0	1500.00	
2.0	1400.00	
3.0	1250.00	
4.0	1000.00	
5.0	950.00	0.71
6.0	850.00	
7.0	720.00	
8.0	650.00	
9.0	630.00	
10.0	560.00	
11.0	510.00	
12.0	450.00	
13.0	390.00	
14.0	350.00	
15.0	310.00	1.10
16.0	280.00	
17.0	255.00	
18.0	230.00	
19.0	205.00	
20.0	190.00	
25.0	105.00	0.79
30.0	61.00	
35.0	32.00	
36.2	22.50	

LIGHT METER RESULTS



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LIGHT METER READINGS

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SITE NAME RIVER VIEW
READING LOCATION (dist. from green side ft) 200

DATE 5/14/85
TIME 12:35 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 5.5

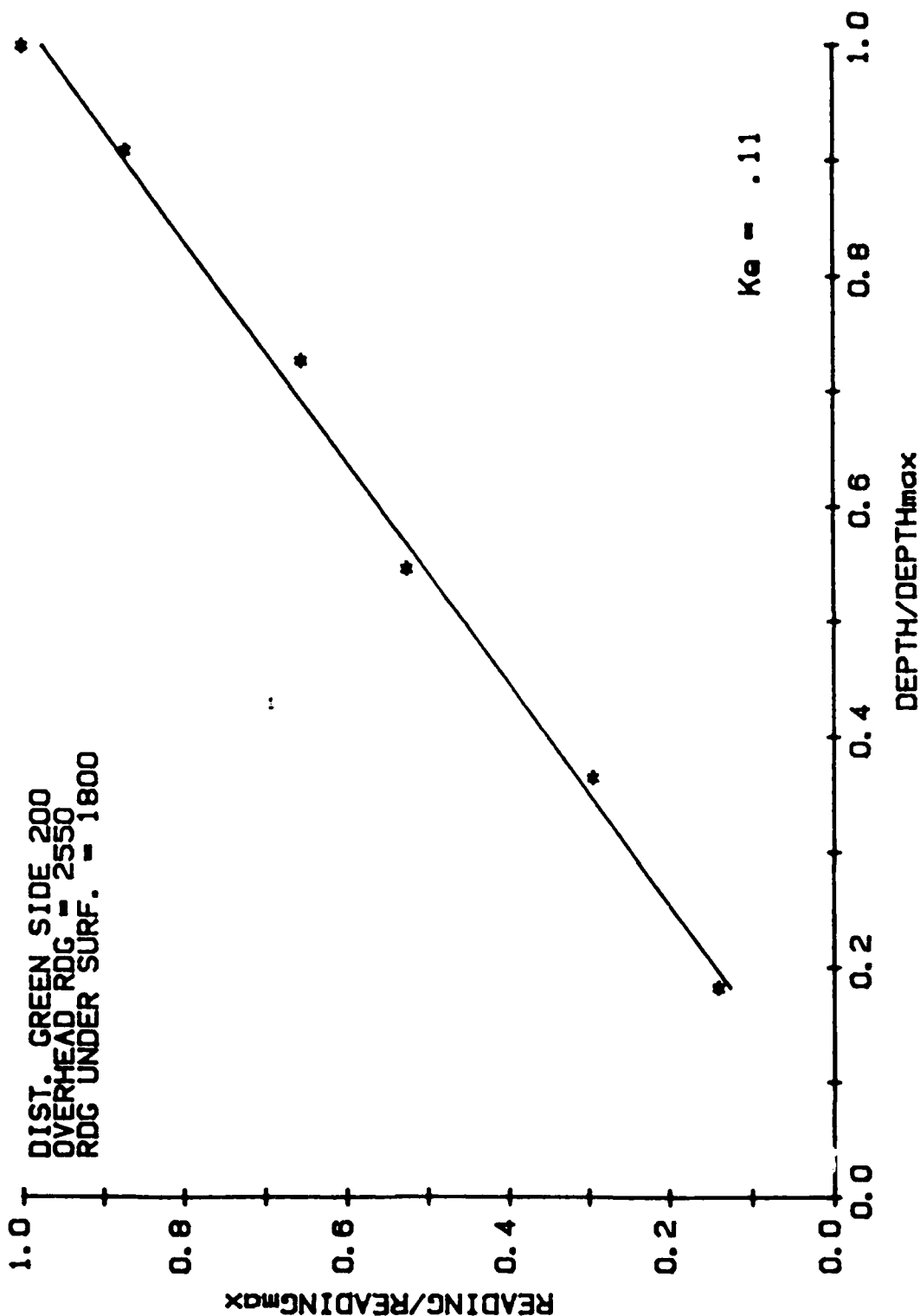
OVERHEAD LIGHT READING 2550
LIGHT READING JUST UNDER WATER SURFACE 1800

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
0.0	1800.00	
1.0	1650.00	
2.0	1500.00	1.50
3.0	1300.00	
4.0	1200.00	
5.0	1050.00	
5.5	970.00	

LIGHT METER RESULTS

SITE NAME RIVER VIEW

DIST. GREEN SIDE 200
OVERHEAD RDG = 2550
RDG UNDER SURF. = 1800



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TURBIDITY READINGS

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SITE NAME SAND ISLAND

DATE 5/10/85

TOTAL DEPTH AT LOCATION	1	(ft)	5.5
TOTAL DEPTH AT LOCATION	2	(ft)	5.5
TOTAL DEPTH AT LOCATION	3	(ft)	34
TOTAL DEPTH AT LOCATION	4	(ft)	34
TOTAL DEPTH AT LOCATION	5	(ft)	4.5
TOTAL DEPTH AT LOCATION	6	(ft)	4.5
TOTAL DEPTH AT LOCATION	7	(ft)	4

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	210.0		
		2.0	7.10
LOCATION 2	210.0		
		2.0	6.30
LOCATION 3	2100.0		
		5.0	1.60
		15.0	1.60
		25.0	1.80
LOCATION 4	2100.0		
		25.0	2.00
LOCATION 5	2775.0		
		2.0	2.50
LOCATION 6	2775.0		
		2.0	1.70
LOCATION 7	2875.0		
		2.0	5.40

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LIGHT METER READINGS

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SITE NAME SAND ISLAND
READING LOCATION (dist. from green side ft) 2100

DATE 5/10/85
TIME 11:05 AM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 34

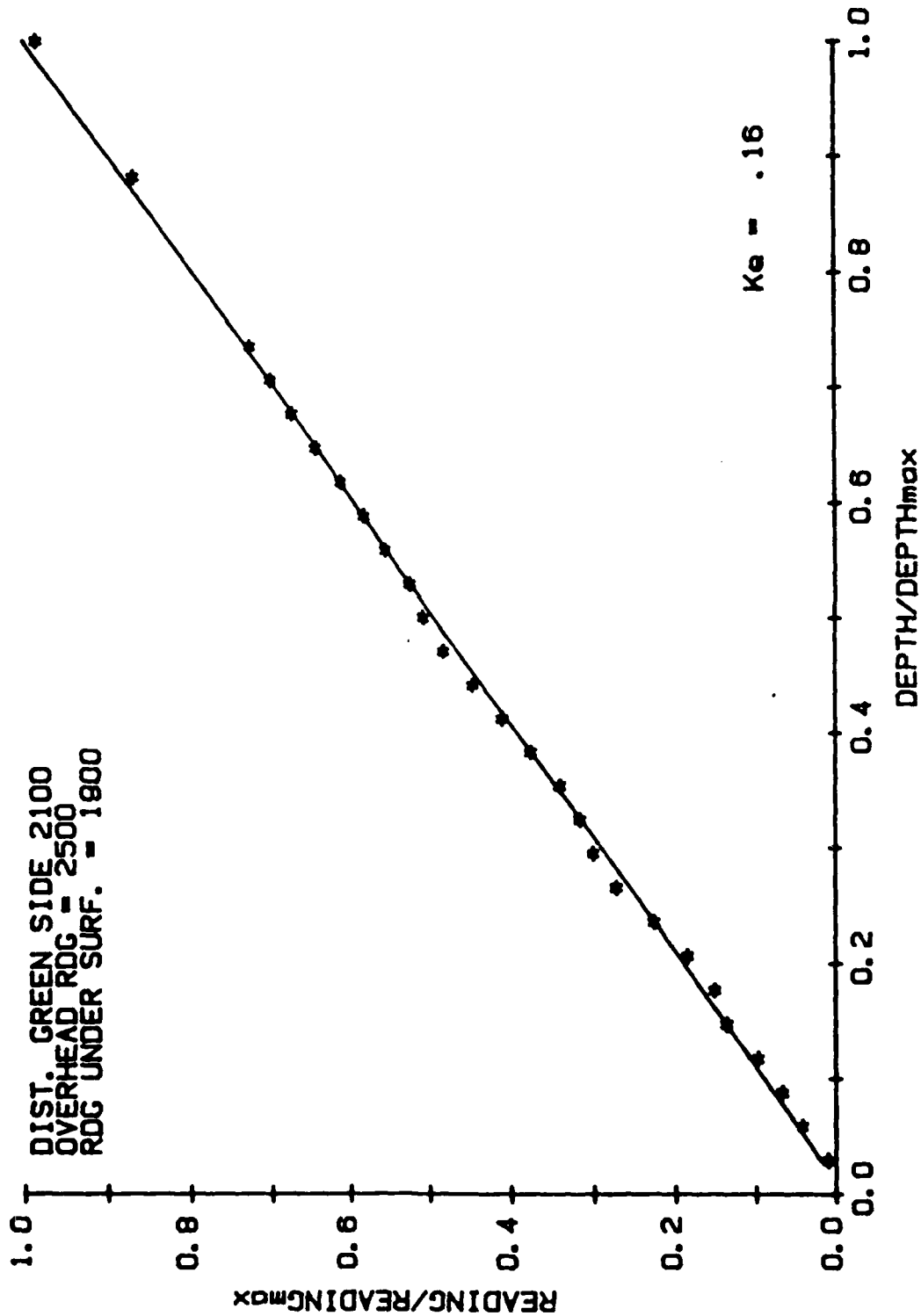
OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 1900

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1900.00	
1.0	1800.00	
2.0	1500.00	
3.0	1300.00	
4.0	1100.00	
5.0	880.00	1.80
6.0	810.00	
7.0	670.00	
8.0	530.00	
9.0	410.00	
10.0	350.00	
11.0	320.00	
12.0	280.00	
13.0	230.00	
14.0	190.00	
15.0	155.00	1.60
16.0	127.00	
17.0	110.00	
18.0	100.00	
19.0	84.00	
20.0	72.00	
21.0	61.00	
22.0	51.00	
23.0	43.00	
24.0	37.00	
25.0	32.00	1.80
30.0	14.50	
34.0	7.60	

LIGHT METER RESULTS

SITE NAME SAND ISLAND

DIST. GREEN SIDE 2100
OVERHEAD RDG = 2500
RDG UNDER SURF. = 1800



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LIGHT METER READINGS

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SITE NAME SAND ISLAND
READING LOCATION (dist. from green side ft) 210

DATE 5/10/85
TIME 11:15 AM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 5.5

OVERHEAD LIGHT READING 2800
LIGHT READING JUST UNDER WATER SURFACE 2100

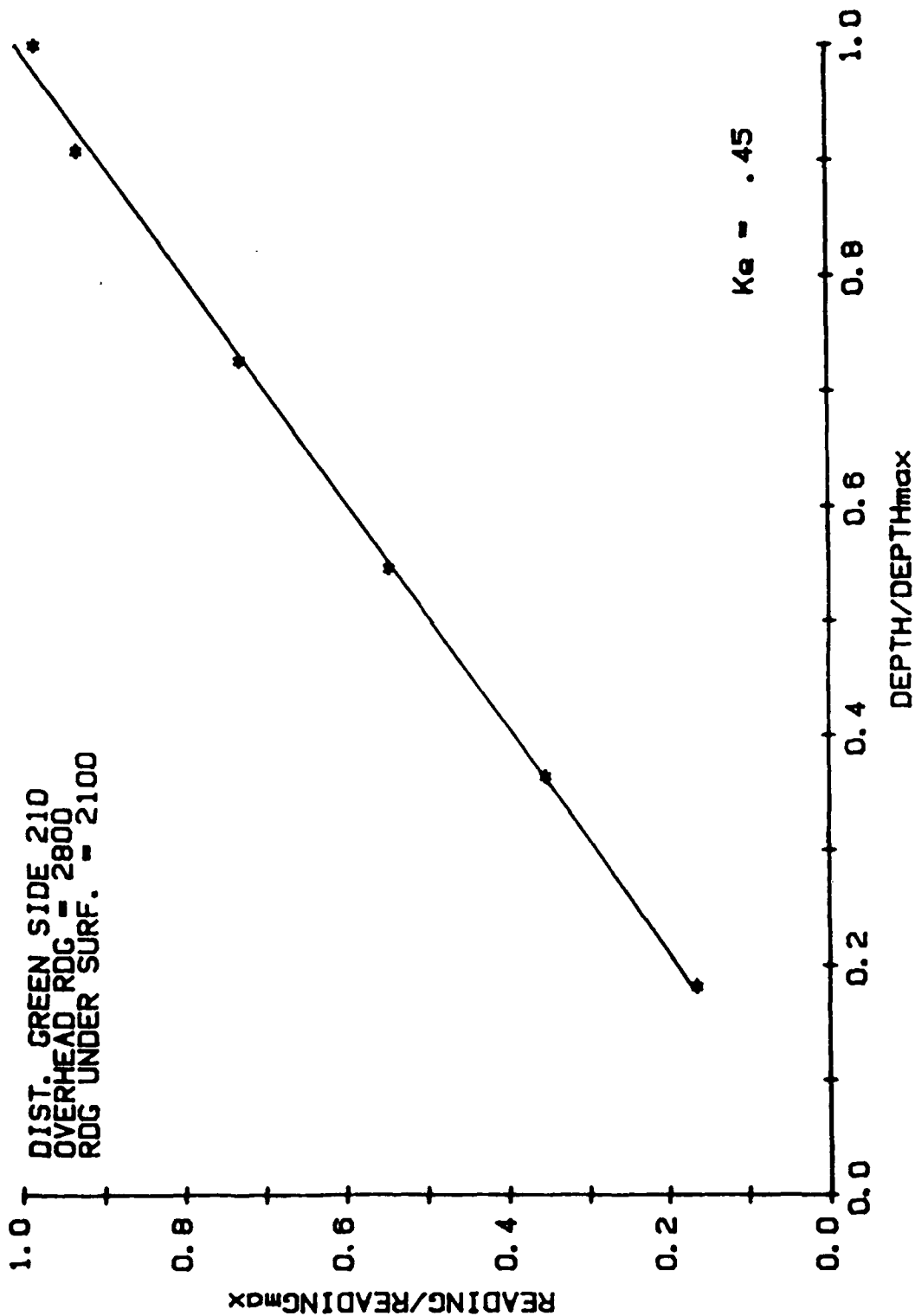
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2100.00	
1.0	1400.00	
2.0	880.00	7.10
3.0	550.00	
4.0	350.00	
5.0	215.00	
5.5	190.00	

LIGHT METER RESULTS

SITE NAME SAND ISLAND

DIST. GREEN SIDE 210
OVERHEAD RCG = 2800
RCG UNDER SURF. = 2100



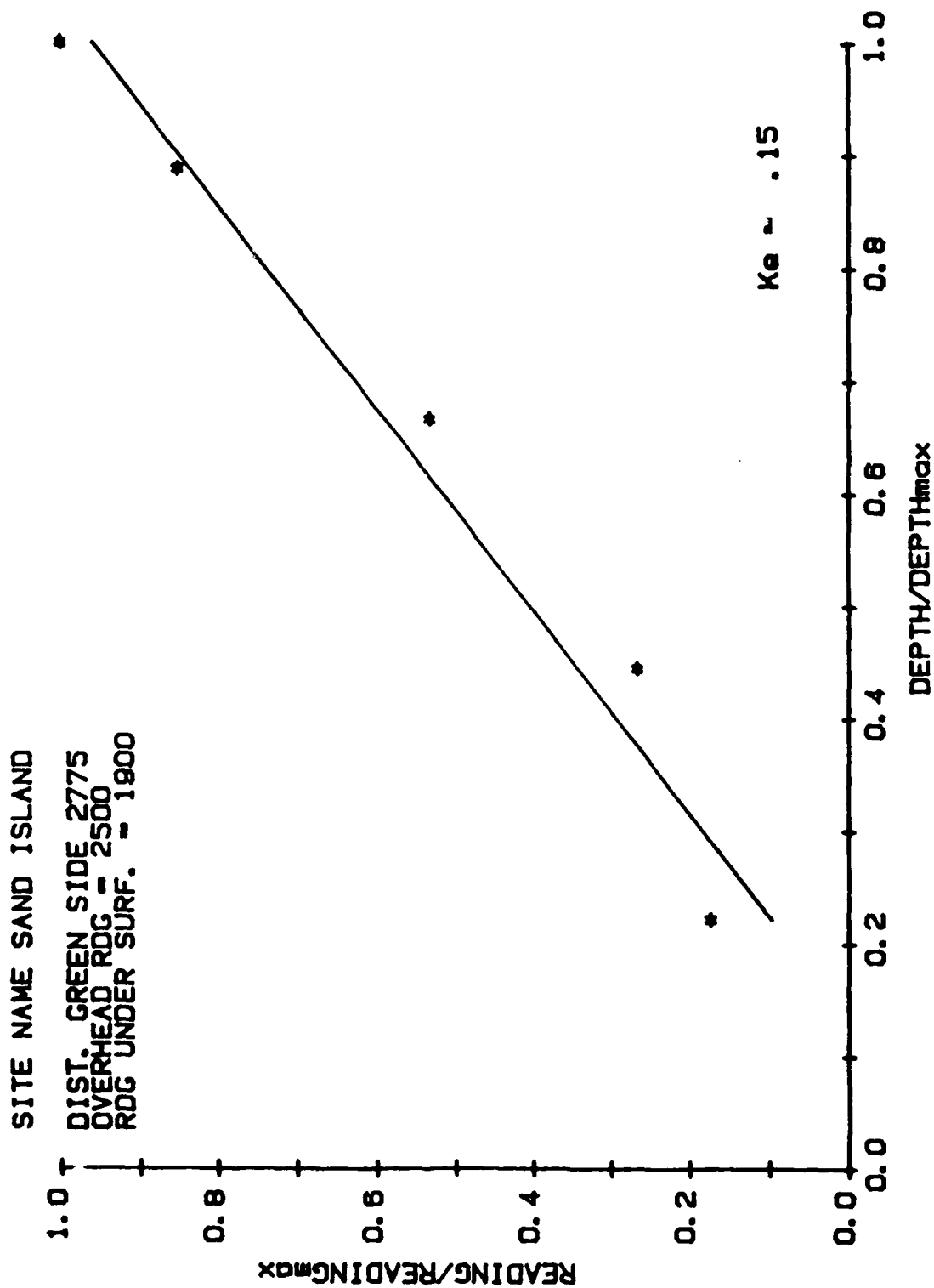
[illegible]

DATE 5/10/85
TIME 11:30 AM
SKY WAS CLOUDY

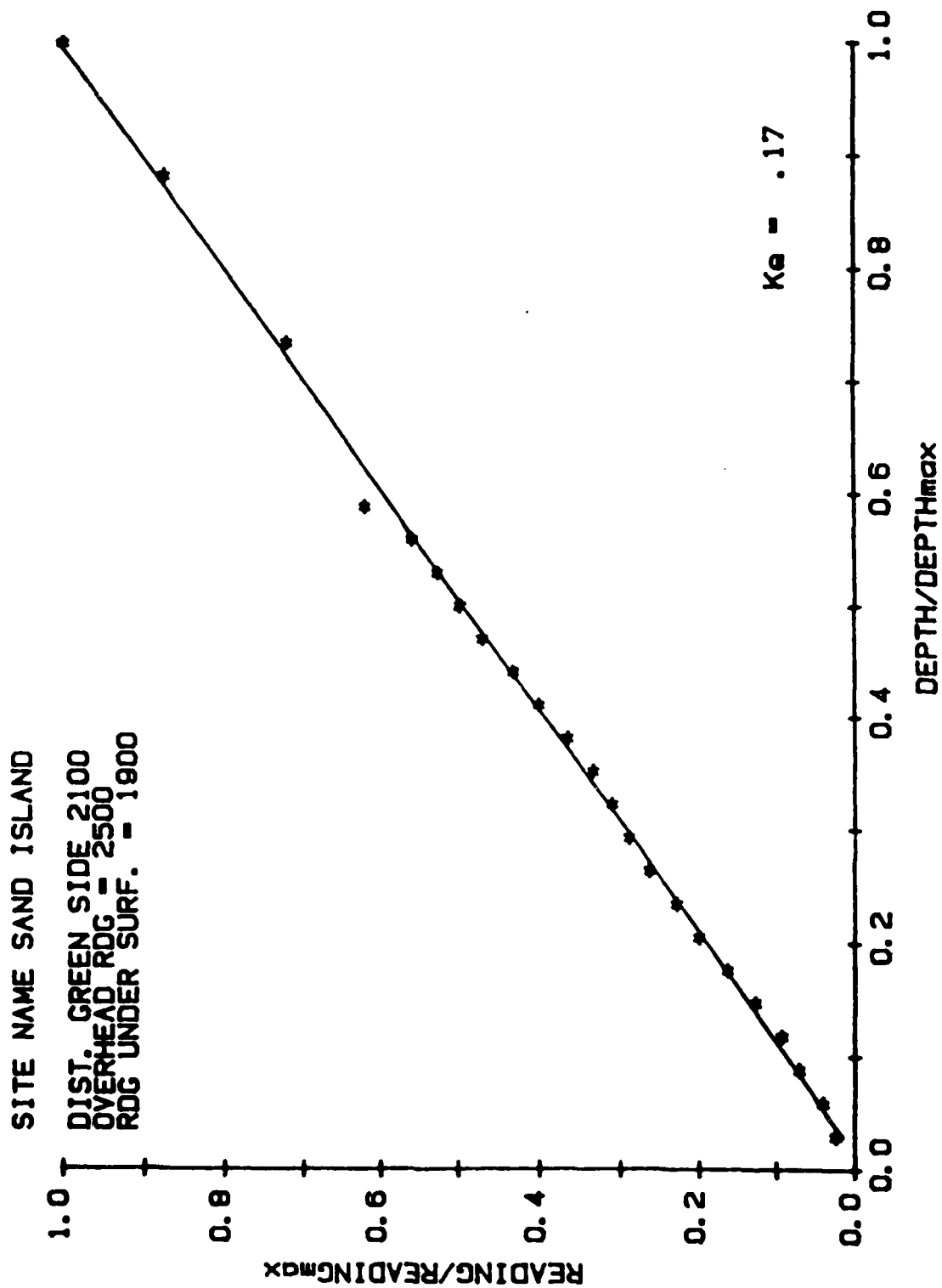
OVERHEAD LIGHT READING	2500	
LIGHT READING JUST UNDER WATER SURFACE		1900

0.0	1900.00	
1.0	1700.00	
2.0	1600.00	2.50
3.0	1350.00	
4.0	1100.00	
4.5	1000.00	

****LIGHT METER RESULTS****



LIGHT METER RESULTS



TURBIDITY READINGS

ISLAND VIEW

TOTAL DEPTH AT LOCATION	1	(ft)	16.6
TOTAL DEPTH AT LOCATION	2	(ft)	37
TOTAL DEPTH AT LOCATION	3	(ft)	4.5

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	215.0		
		2.0	1.90
LOCATION 2	1000.0		
		5.0	2.20
		15.0	1.90
		25.0	1.90
LOCATION 3	2068.0		
		2.0	1.80

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LIGHT METER READINGS

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SITE NAME ISLAND VIEW
READING LOCATION (dist. from green side ft) 215

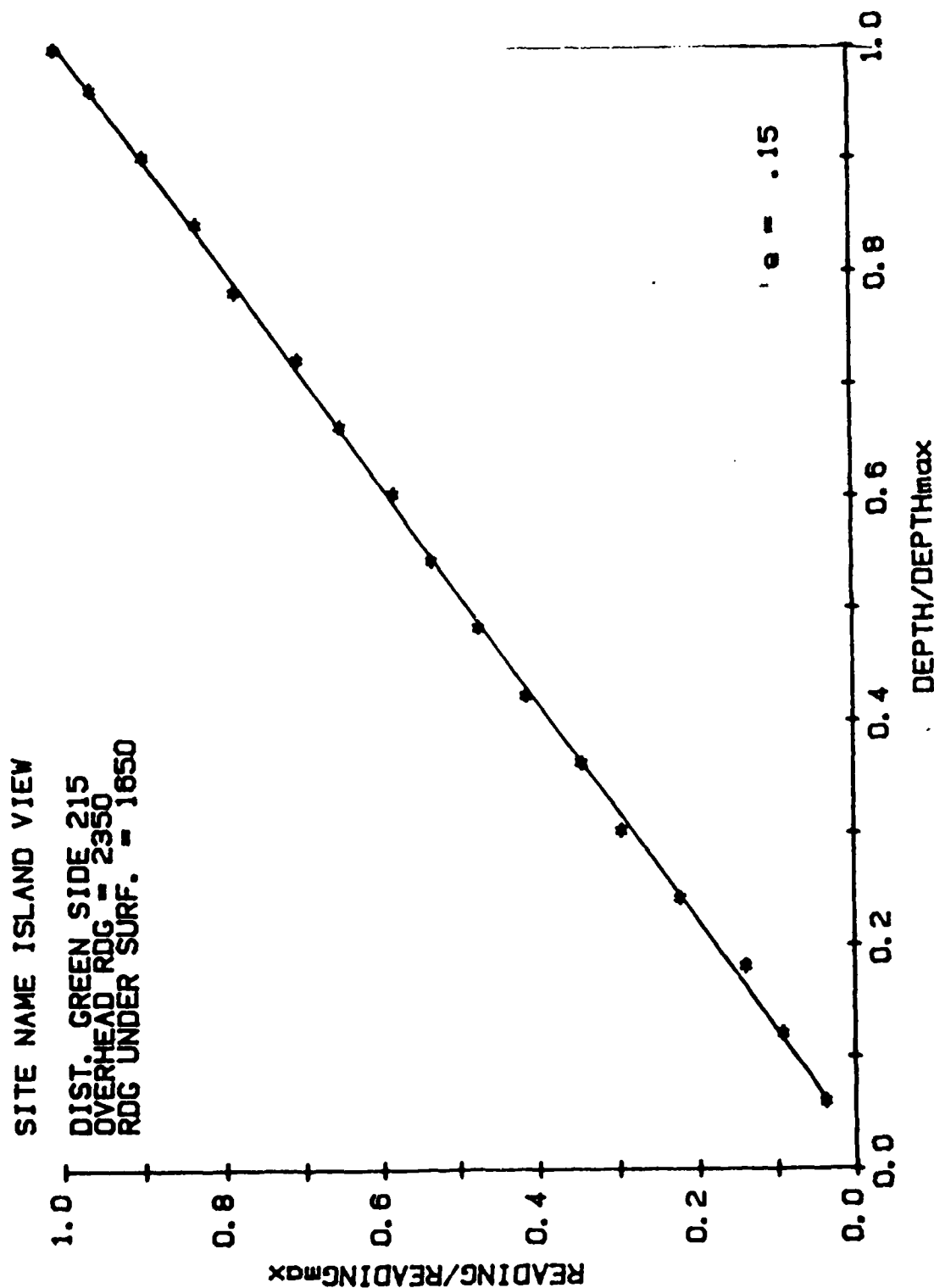
DATE 5/10/85
TIME 1:23 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 16.6

OVERHEAD LIGHT READING 2350
LIGHT READING JUST UNDER WATER SURFACE 1650

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1650.00	
1.0	1500.00	
2.0	1300.00	1.90
3.0	1150.00	
4.0	930.00	
5.0	770.00	
6.0	680.00	
7.0	570.00	
8.0	490.00	
9.0	420.00	
10.0	370.00	
11.0	310.00	
12.0	270.00	
13.0	220.00	
14.0	195.00	
15.0	165.00	
16.0	140.00	
16.6	125.00	

LIGHT METER RESULTS



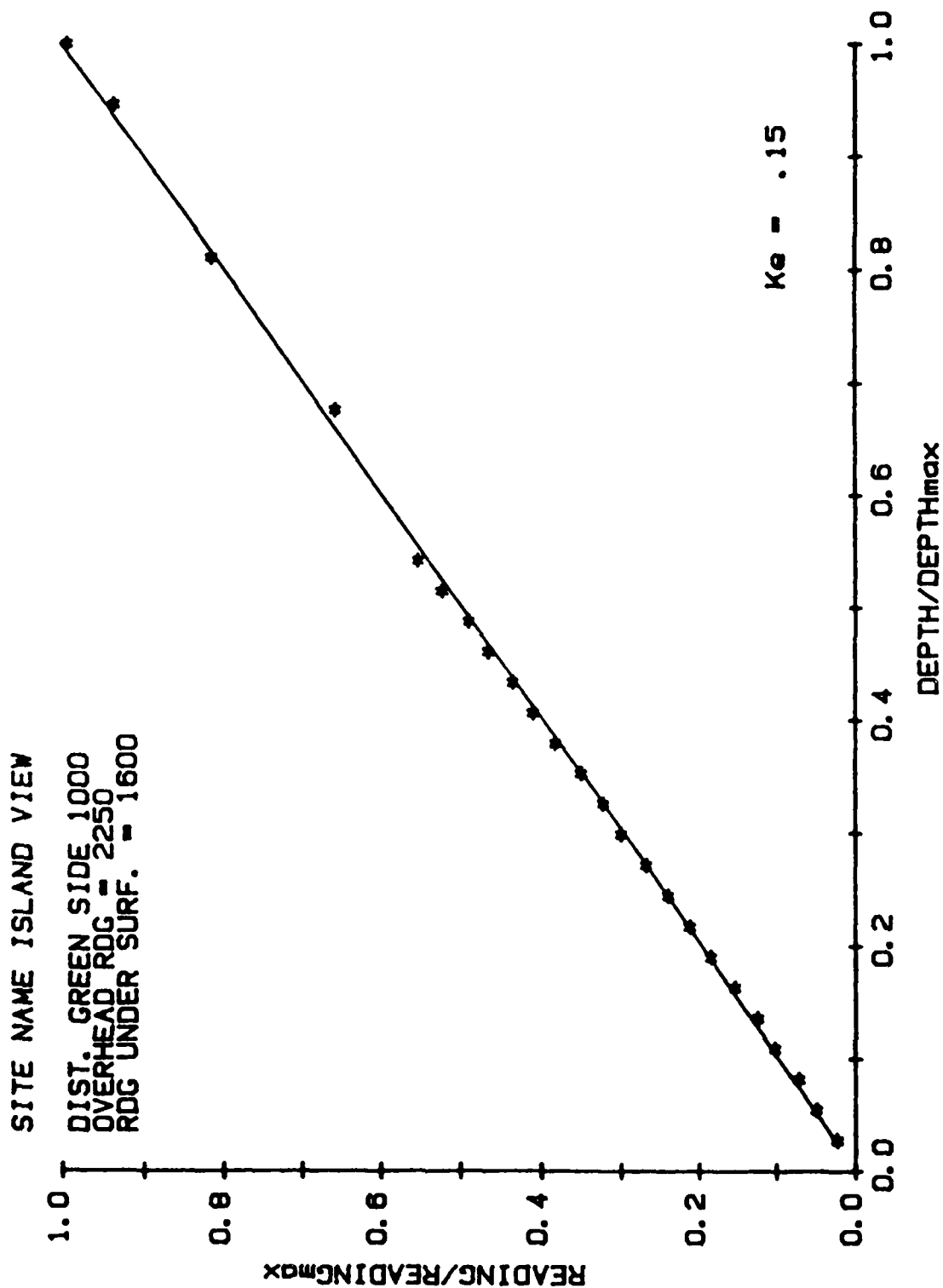
LIGHT METER READINGS

SITE NAME ISLAND VIEW
 READING LOCATION (dist. from green side ft) 1000
 DATE 5/10/85
 TIME 11:12 PM
 SKY WAS CLOUDY
 TOTAL DEPTH AT LOCATION (ft) 37
 OVERHEAD LIGHT READING 2250
 LIGHT READING JUST UNDER WATER SURFACE 1600

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
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0.0	1600.00	
1.0	1400.00	
2.0	1200.00	
3.0	1050.00	
4.0	880.00	
5.0	770.00	2.20
6.0	650.00	
7.0	540.00	
8.0	460.00	
9.0	390.00	
10.0	330.00	
11.0	275.00	
12.0	240.00	
13.0	205.00	
14.0	170.00	
15.0	145.00	1.90
16.0	125.00	
17.0	105.00	
18.0	91.00	
19.0	75.00	
20.0	63.00	
25.0	34.00	1.90
30.0	13.50	
35.0	6.70	
37.0	4.80	

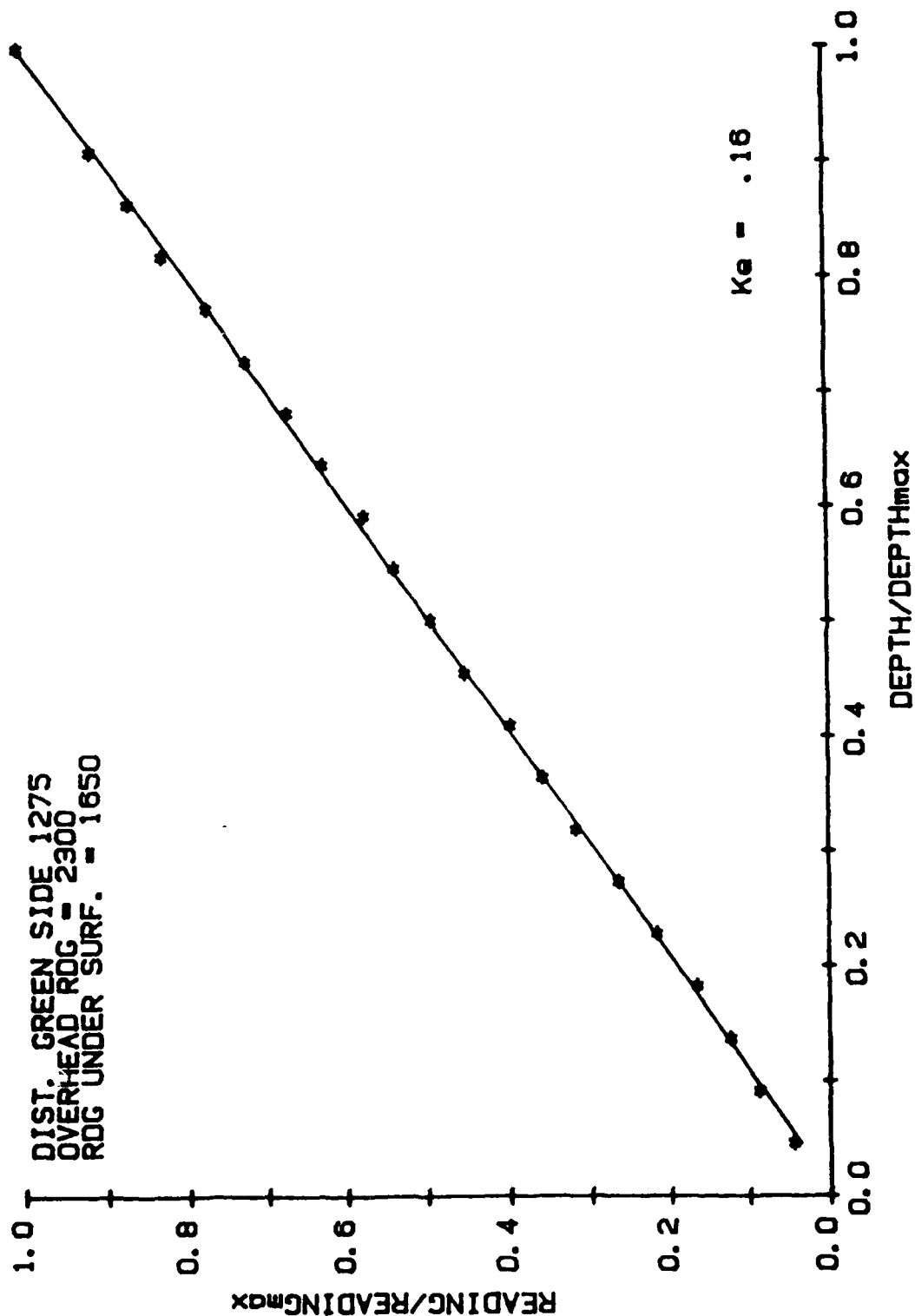
LIGHT METER RESULTS



LIGHT METER READINGS

LIGHT METER RESULTS

SITE NAME ISLAND VIEW
DIST. GREEN SIDE 1275
OVERHEAD ROG = 2300
ROG UNDER SURF. = 1650



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LIGHT METER READINGS

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SITE NAME ISLAND VIEW
READING LOCATION (dist. from green side ft) 2068

DATE 5/10/85
TIME 1:00 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 4.5

OVERHEAD LIGHT READING 2300
LIGHT READING JUST UNDER WATER SURFACE 1600

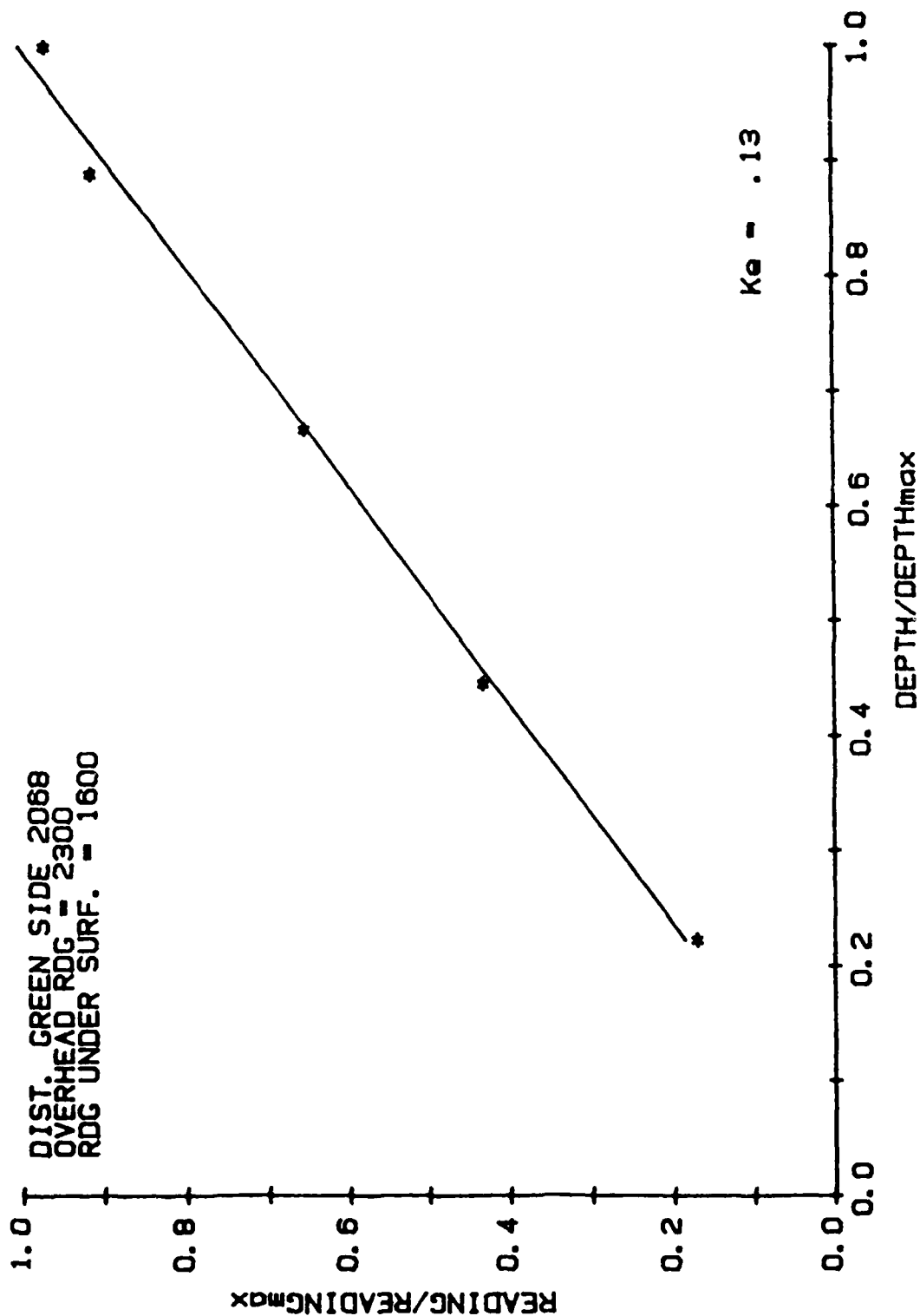
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1600.00	
1.0	1450.00	
2.0	1250.00	1.80
3.0	1100.00	
4.0	950.00	
4.5	920.00	

LIGHT METER RESULTS

SITE NAME ISLAND VIEW

DIST. GREEN SIDE 2088
OVERHEAD RDG = 2300
RDG UNDER SURF. = 1600



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TURBIDITY READINGS

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SITE NAME NINE MILE

DATE 5/14/85

TOTAL DEPTH AT LOCATION	1	(ft)	3
TOTAL DEPTH AT LOCATION	2	(ft)	5.6
TOTAL DEPTH AT LOCATION	3	(ft)	23
TOTAL DEPTH AT LOCATION	4	(ft)	36.7
TOTAL DEPTH AT LOCATION	5	(ft)	3.8

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	300.0		
		2.0	2.80
LOCATION 2	600.0		
		2.0	3.20
LOCATION 3	2500.0		
		2.0	1.60
		10.0	1.40
LOCATION 4	4700.0		
		5.0	1.40
		15.0	1.20
		25.0	1.25
LOCATION 5	5650.0		
		2.0	0.84

LIGHT METER READINGS

SITE NAME	NINE MILE	
READING LOCATION (dist. from green side ft)		300
DATE	5/14/85	
TIME	12:00 PM	
SKY WAS	CLEAR	
TOTAL DEPTH AT LOCATION (ft)	3	
OVERHEAD LIGHT READING	2500	
LIGHT READING JUST UNDER WATER SURFACE		1850

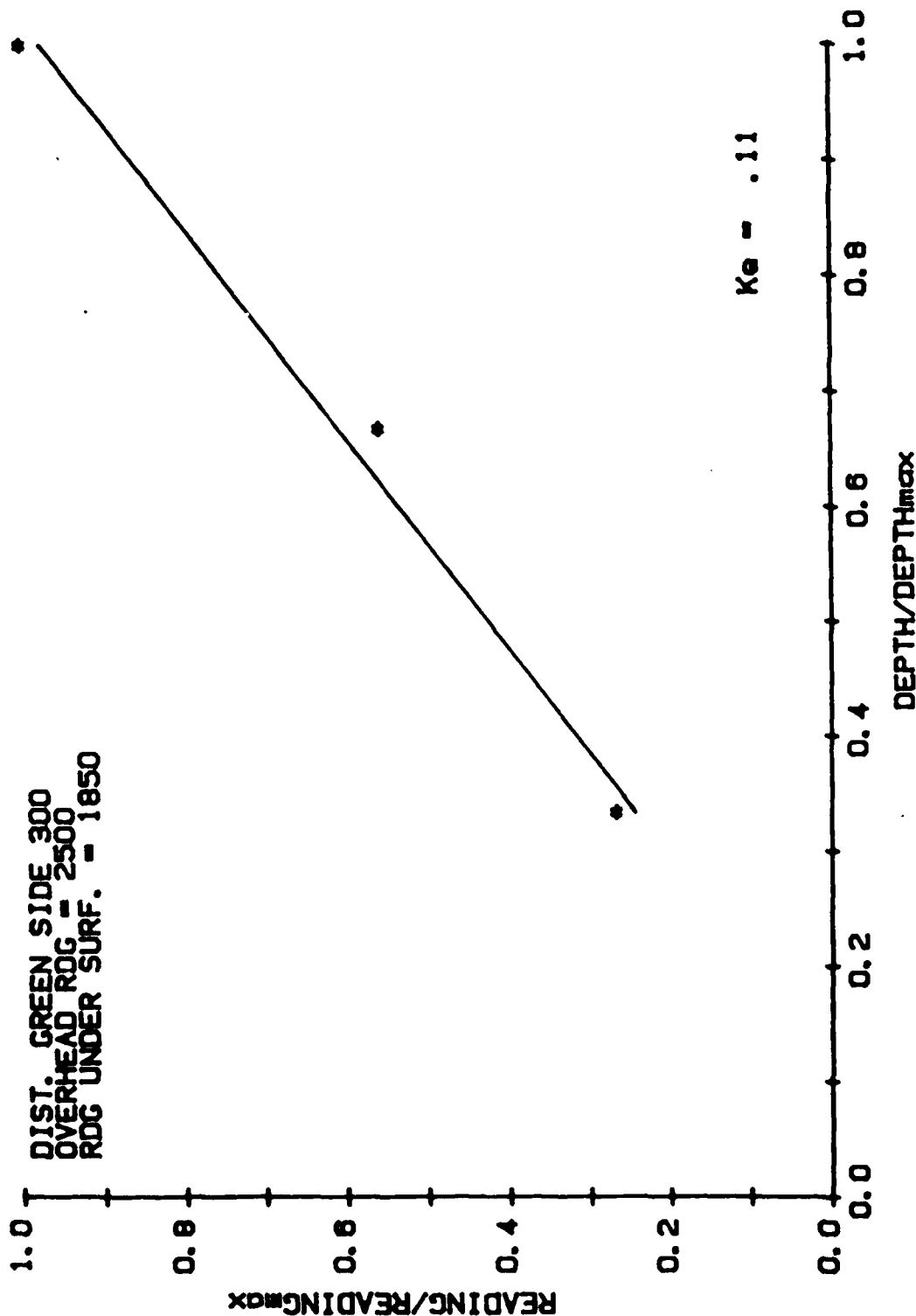
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
80	100	100
81	100	100
82	100	100
83	100	100
84	100	100
85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

0.0	1850.00	
1.0	1700.00	
2.0	1550.00	2.80
3.0	1350.00	

LIGHT METER RESULTS

SITE NAME NINE MILE

DIST. GREEN SIDE 300
OVERHEAD ROD = 2500
ROD UNDER SURF. = 1850



LIGHT METER READINGS

SITE NAME NINE MILE
READING LOCATION (dist. from green side ft) 600

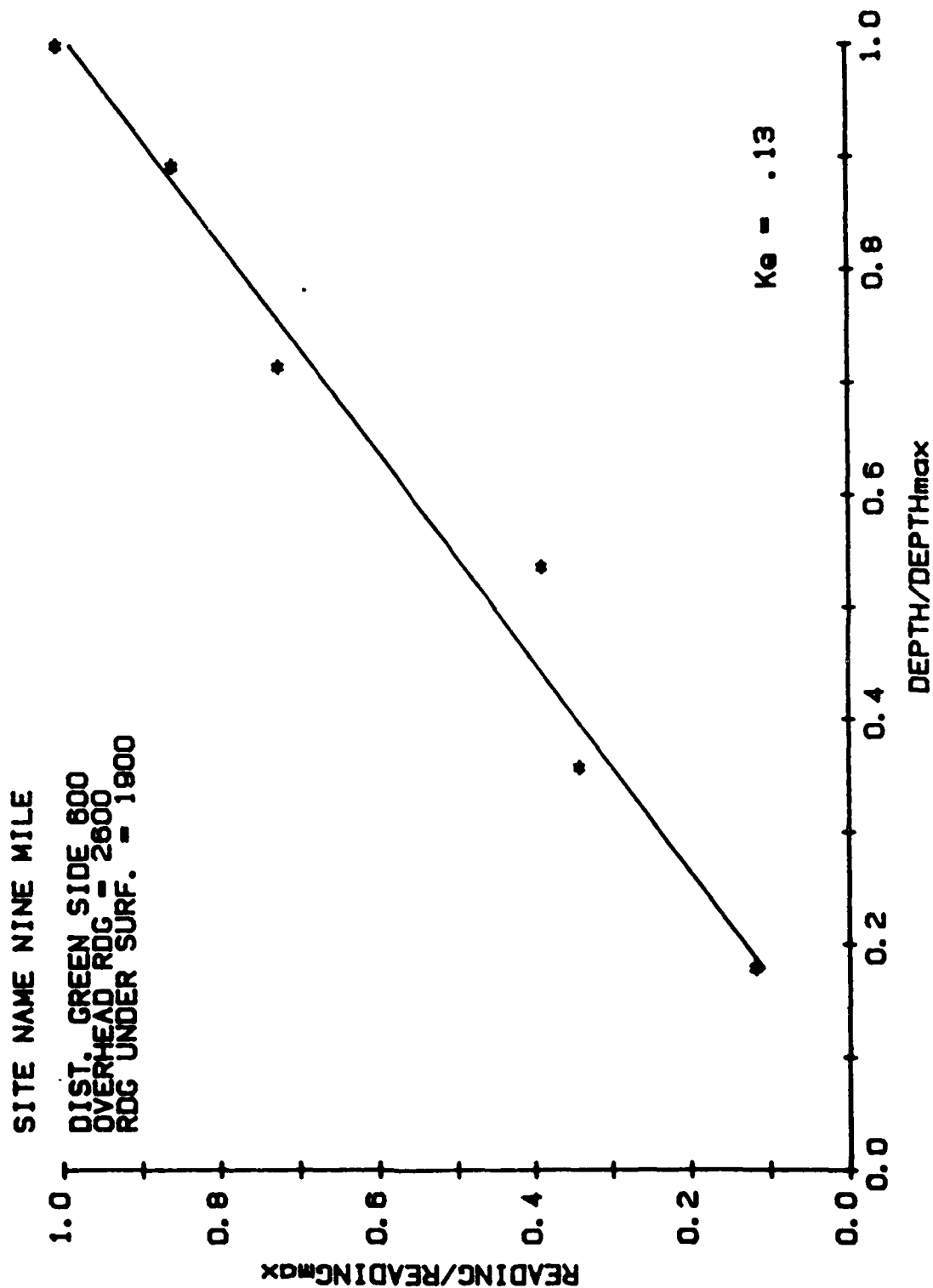
DATE 5/14/85
TIME 12:05 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 5.6

OVERHEAD LIGHT READING 2600
LIGHT READING JUST UNDER WATER SURFACE 1900

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1900.00	
1.0	1750.00	
2.0	1500.00	3.20
3.0	1450.00	
4.0	1150.00	
5.0	1050.00	
5.6	950.00	

LIGHT METER RESULTS



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LIGHT METER READINGS

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SITE NAME NINE MILE
READING LOCATION (dist. from green side ft) 2500

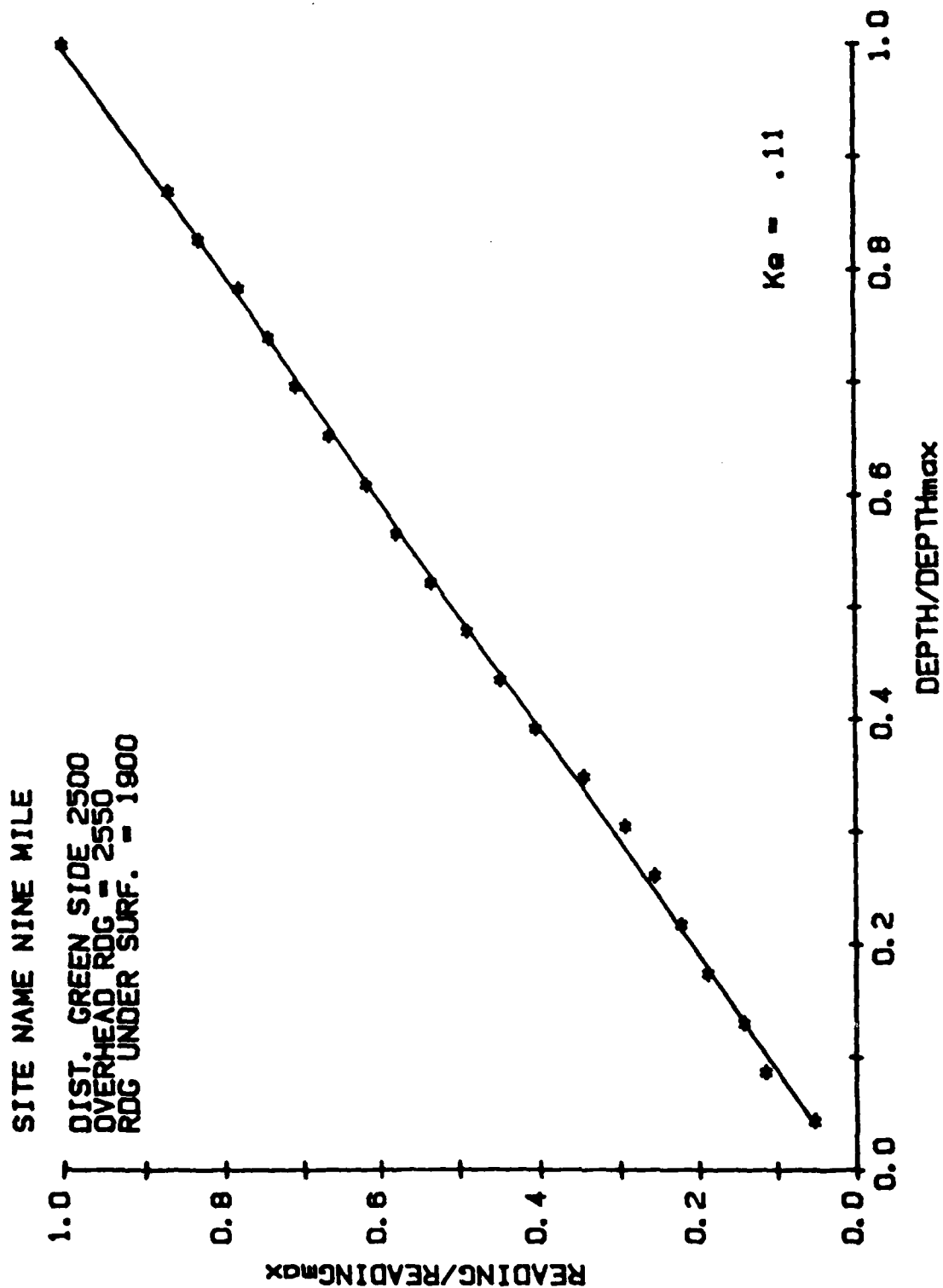
DATE 5/14/85
TIME 12:10 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 23

OVERHEAD LIGHT READING 2550
LIGHT READING JUST UNDER WATER SURFACE 1900

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1900.00	
1.0	1650.00	
2.0	1400.00	1.60
3.0	1300.00	
4.0	1150.00	
5.0	1050.00	
6.0	960.00	
7.0	870.00	
8.0	760.00	
9.0	650.00	
10.0	580.00	1.40
11.0	520.00	
12.0	460.00	
13.0	410.00	
14.0	370.00	
15.0	325.00	
16.0	290.00	
17.0	265.00	
18.0	240.00	
19.0	210.00	
20.0	190.00	
23.0	135.00	

LIGHT METER RESULTS



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LIGHT METER READINGS

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SITE NAME NINE MILE
READING LOCATION (dist. from green side ft) 4700

DATE 5/14/85
TIME 12:20 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 36.7

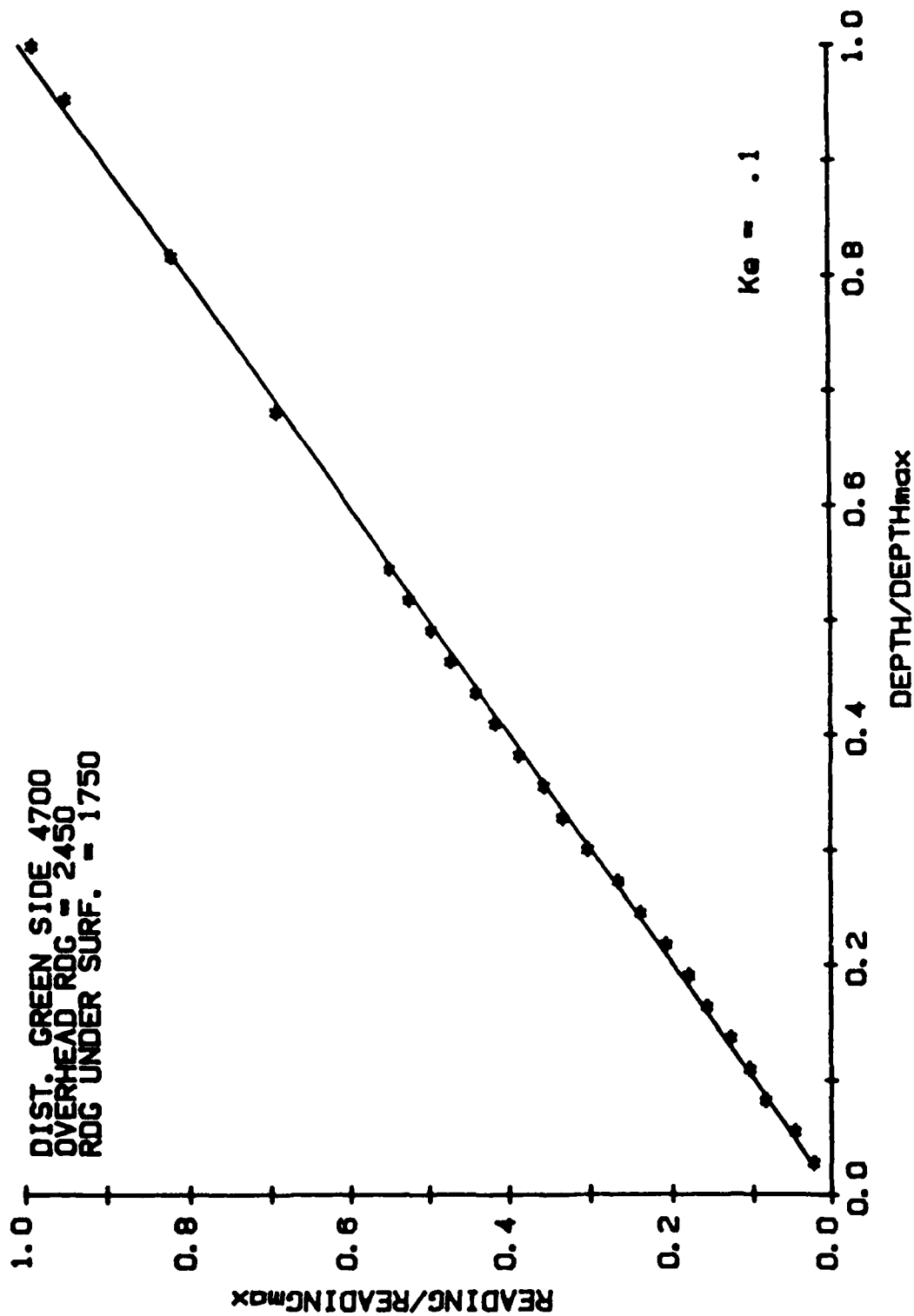
OVERHEAD LIGHT READING 2450
LIGHT READING JUST UNDER WATER SURFACE 1750

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1750.00	
1.0	1600.00	
2.0	1450.00	
3.0	1250.00	
4.0	1150.00	
5.0	1050.00	1.40
6.0	930.00	
7.0	850.00	
8.0	760.00	
9.0	670.00	
10.0	600.00	
11.0	520.00	
12.0	460.00	
13.0	420.00	
14.0	370.00	
15.0	330.00	1.20
16.0	300.00	
17.0	265.00	
18.0	240.00	
19.0	215.00	
20.0	195.00	
25.0	110.00	1.25
30.0	66.00	
35.0	40.00	
36.7	34.00	

****LIGHT METER RESULTS****

**SITE NAME NINE MILE
DIST. GREEN SIDE 4700
OVERHEAD RDG = 2450
RDG UNDER SURF. = 1750**



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LIGHT METER READINGS

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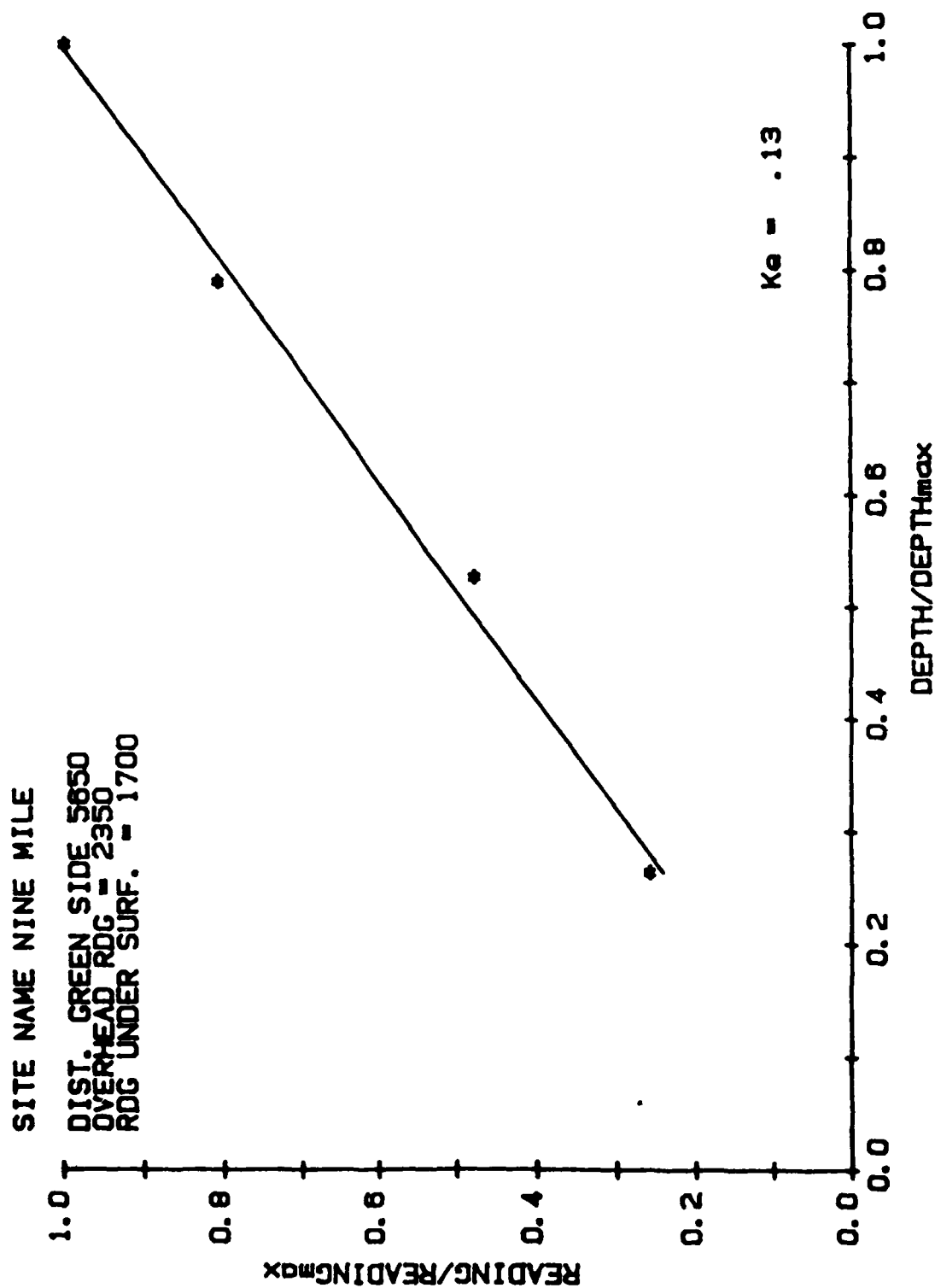
SITE NAME NINE MILE
READING LOCATION (diat. from green side ft) 5650

DATE 5/14/85
TIME 12:25 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 3.8

OVERHEAD LIGHT READING 2350
LIGHT READING JUST UNDER WATER SURFACE 1700

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1700.00	
1.0	1500.00	
2.0	1350.00	0.84
3.0	1150.00	
3.8	1050.00	

LIGHT METER RESULTS



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TURBIDITY READINGS

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SITE NAME EAST CELL DOCK

DATE 5/14/85

TOTAL DEPTH AT LOCATION	1	(ft)	6
TOTAL DEPTH AT LOCATION	2	(ft)	35.7
TOTAL DEPTH AT LOCATION	3	(ft)	27.2
TOTAL DEPTH AT LOCATION	4	(ft)	5
TOTAL DEPTH AT LOCATION	5	(ft)	4.9

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	215.0	2.0	1.80
LOCATION 2	500.0	5.0	1.40
		15.0	1.60
		25.0	1.40
LOCATION 3	1100.0	5.0	1.30
		15.0	1.30
		25.0	1.60
LOCATION 4	2100.0	2.0	4.00
LOCATION 5	2900.0	2.0	4.30

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LIGHT METER READINGS

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SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 215

DATE 5/14/85
TIME 9:15 AM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 6

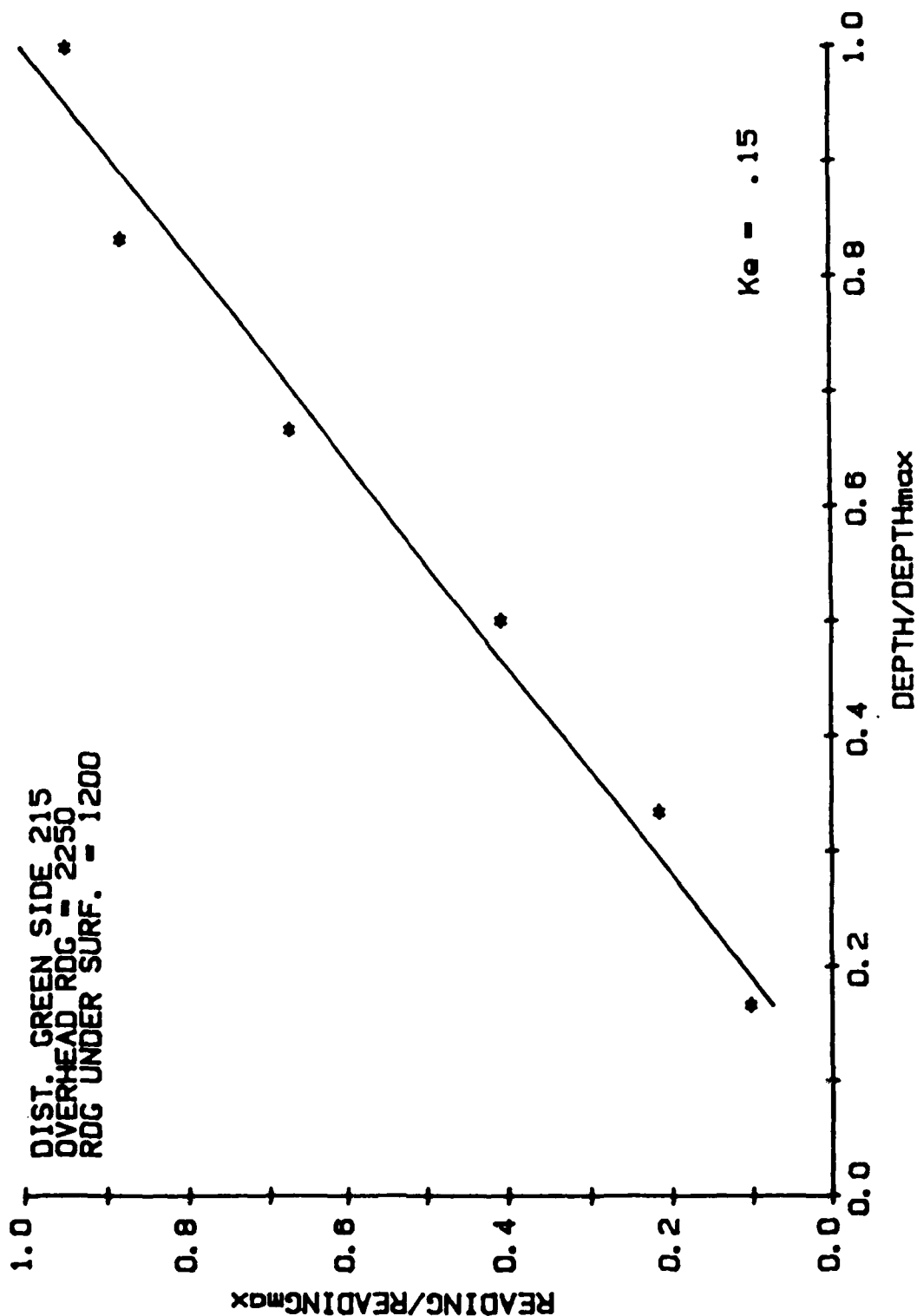
OVERHEAD LIGHT READING 2250
LIGHT READING JUST UNDER WATER SURFACE 1200

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1200.00	
1.0	1100.00	
2.0	1000.00	1.80
3.0	850.00	
4.0	680.00	
5.0	570.00	
6.0	540.00	

****LIGHT METER RESULTS****

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 215
OVERHEAD RDG = 2250
RDG UNDER SURF. = 1200



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LIGHT METER READINGS

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SITE NAME EAST CELL DOCK
 READING LOCATION (dist. from green side ft) 500

DATE 5/14/85
 TIME 9:25 AM
 SKY WAS CLEAR
 TOTAL DEPTH AT LOCATION (ft) 35.7

OVERHEAD LIGHT READING 2300
 LIGHT READING JUST UNDER WATER SURFACE 1350

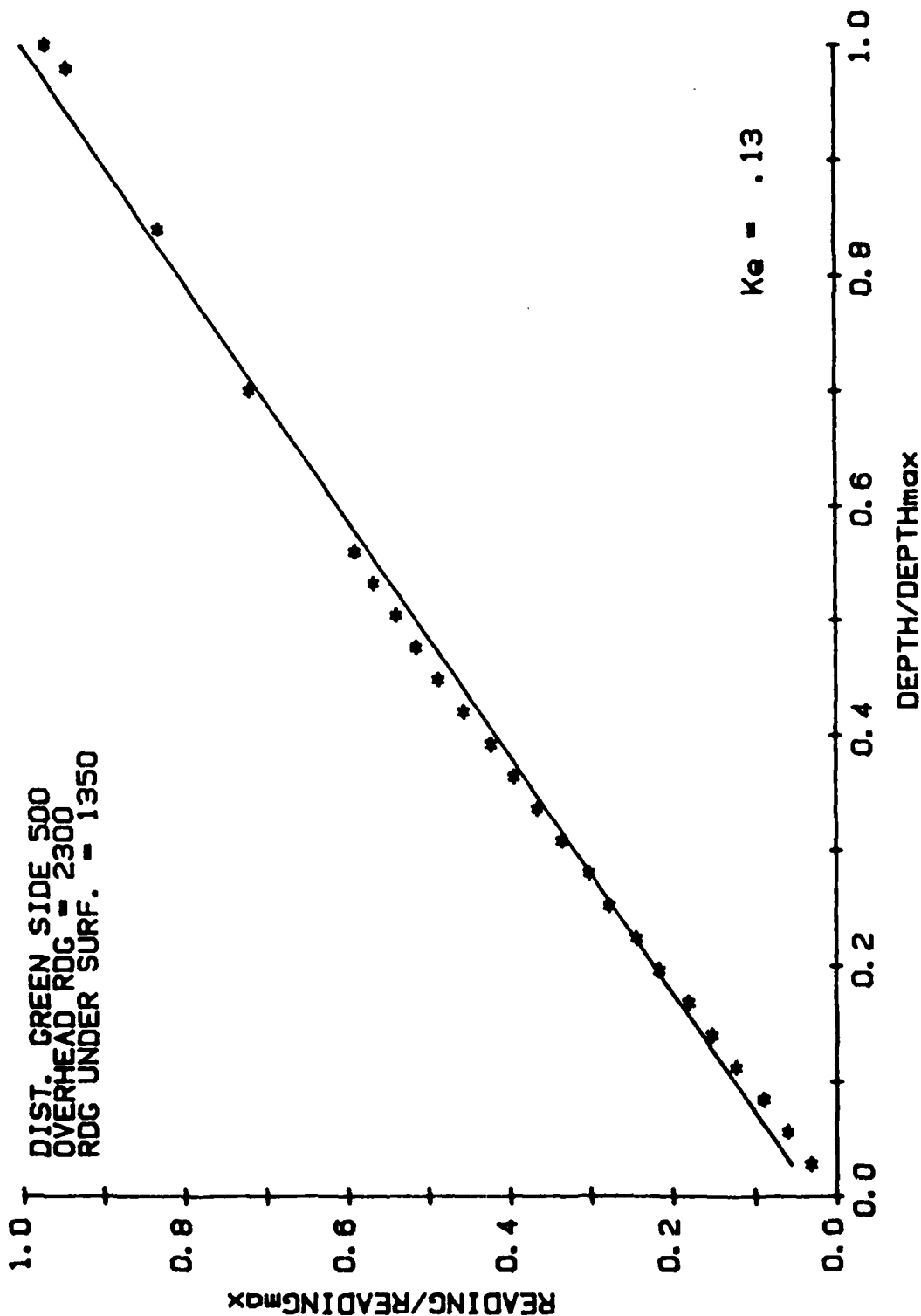
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1350.00	
1.0	1150.00	
2.0	1000.00	
3.0	860.00	
4.0	730.00	
5.0	630.00	1.40
6.0	550.00	
7.0	460.00	
8.0	400.00	
9.0	340.00	
10.0	300.00	
11.0	255.00	
12.0	220.00	
13.0	190.00	
14.0	165.00	
15.0	140.00	1.60
16.0	120.00	
17.0	105.00	
18.0	93.00	
19.0	81.00	
20.0	72.00	
25.0	38.00	1.40
30.0	22.00	
35.0	12.50	
35.7	11.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 500
OVERHEAD RDG = 2300
RDG UNDER SURF. = 1350



LIGHT METER READINGS

SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 1100

DATE 5/14/85
TIME 9:00 AM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 27.2

OVERHEAD LIGHT READING 2350
LIGHT READING JUST UNDER WATER SURFACE 1300

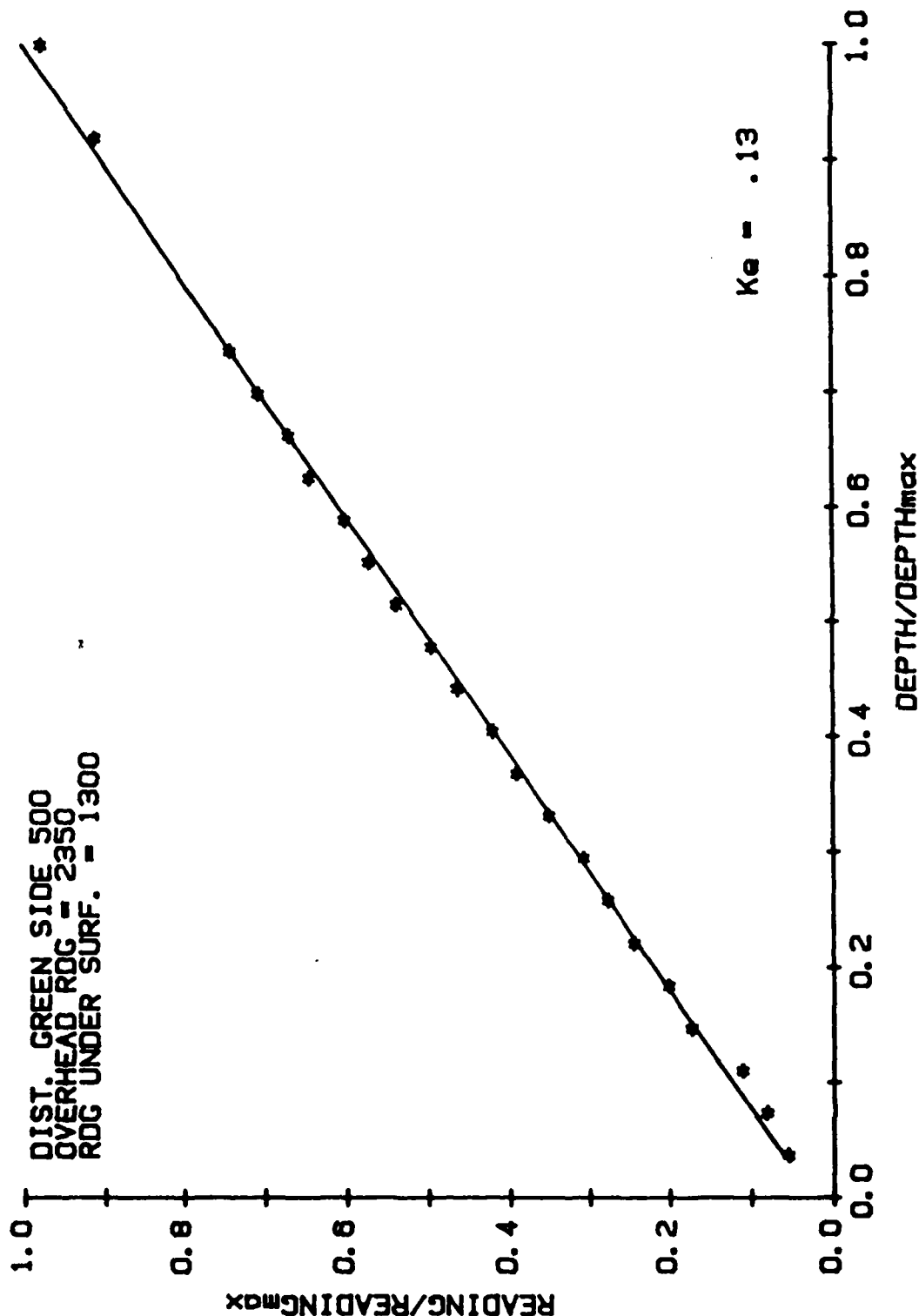
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1300.00	
1.0	1050.00	
2.0	950.00	
3.0	850.00	
4.0	670.00	
5.0	600.00	1.30
6.0	510.00	
7.0	450.00	
8.0	400.00	
9.0	340.00	
10.0	290.00	
11.0	260.00	
12.0	220.00	
13.0	195.00	
14.0	165.00	
15.0	145.00	1.30
16.0	130.00	
17.0	110.00	
18.0	100.00	
19.0	87.00	
20.0	76.00	
25.0	40.00	1.60
27.2	31.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 500
OVERHEAD RDG = 2350
RDG UNDER SURF. = 1300



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LIGHT METER READINGS

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SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 2100

DATE 5/14/85
TIME 8:50 AM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 5

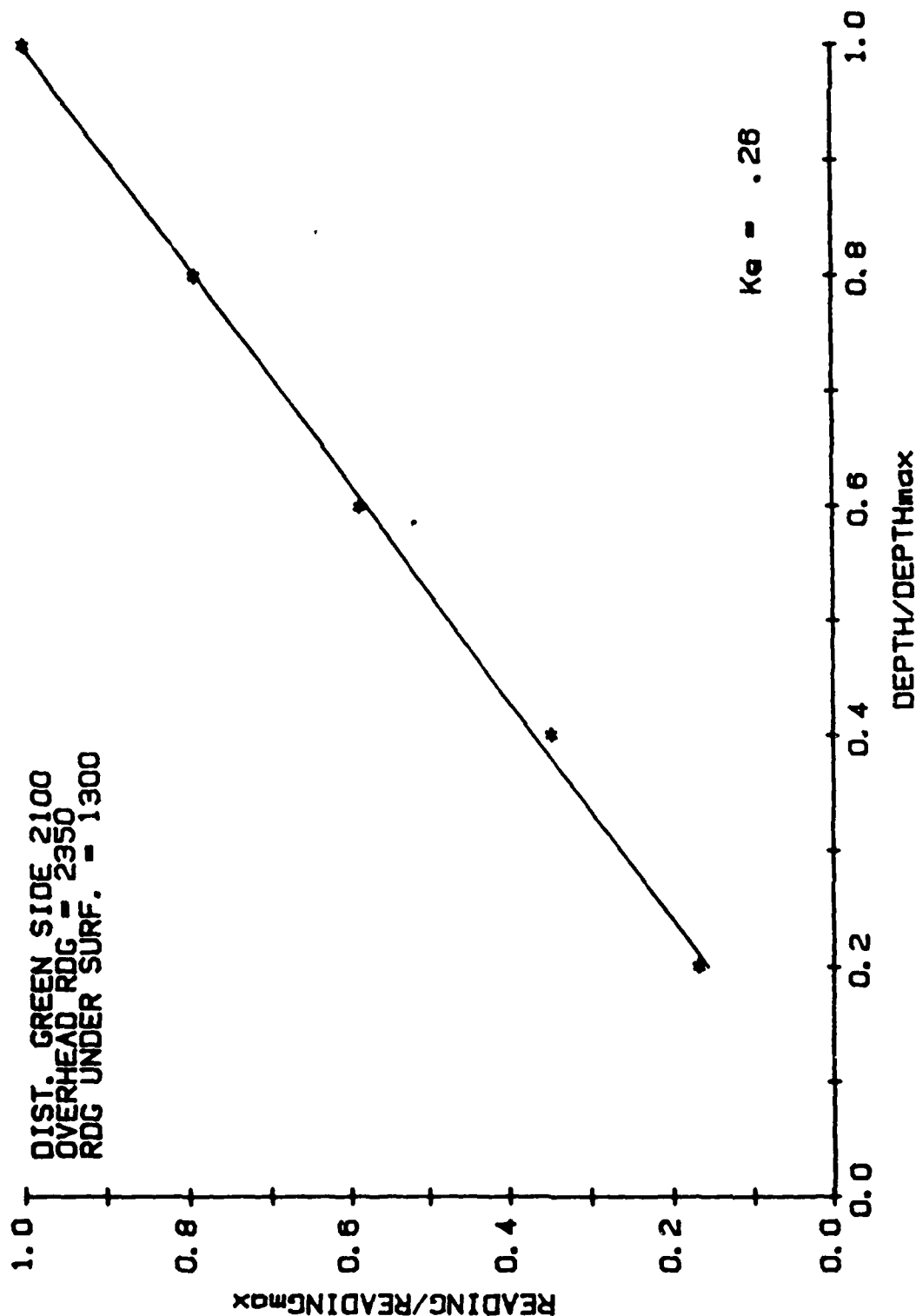
OVERHEAD LIGHT READING 2350
LIGHT READING JUST UNDER WATER SURFACE 1300

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1300.00	
1.0	1050.00	
2.0	840.00	4.00
3.0	620.00	
4.0	480.00	
5.0	370.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 2100
OVERHEAD RDG = 2350
RDG UNDER SURF. = 1300



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LIGHT METER READINGS

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SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 2900

DATE 5/14/85

TIME 8:45 AM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 4.9

OVERHEAD LIGHT READING 2100

LIGHT READING JUST UNDER WATER SURFACE 1100

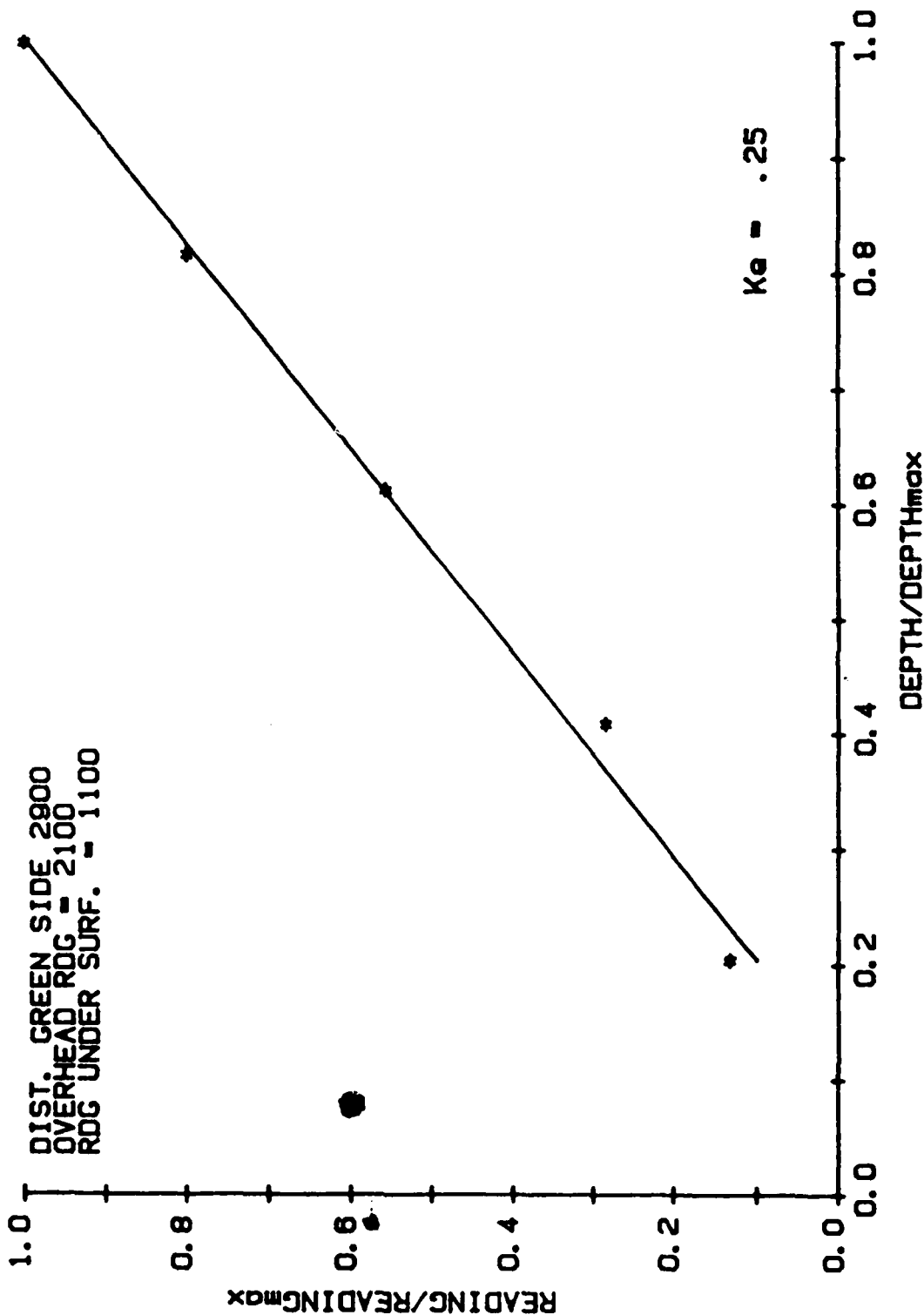
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1100.00	
1.0	950.00	
2.0	800.00	4.30
3.0	590.00	
4.0	450.00	
4.9	360.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 2800
OVERHEAD RDG = 2100
RDG UNDER SURF. = 1100



TURBIDITY READINGS

SITE NAME WEST CELL DOCK

DATE 5/14/85

TOTAL DEPTH AT LOCATION	1	(ft)	28.8
TOTAL DEPTH AT LOCATION	2	(ft)	29
TOTAL DEPTH AT LOCATION	3	(ft)	7.8

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1290.0		
		2.0	1.30
LOCATION 2	695.0		
		5.0	1.40
		15.0	1.30
		25.0	1.20
LOCATION 3	200.0		
		2.0	2.50

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LIGHT METER READINGS

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SITE NAME WEST CELL DOCK
READING LOCATION (dist. from green side ft) 1290

DATE 5/14/85
TIME 9:35 AM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 28.8

OVERHEAD LIGHT READING 2250
LIGHT READING JUST UNDER WATER SURFACE 1200

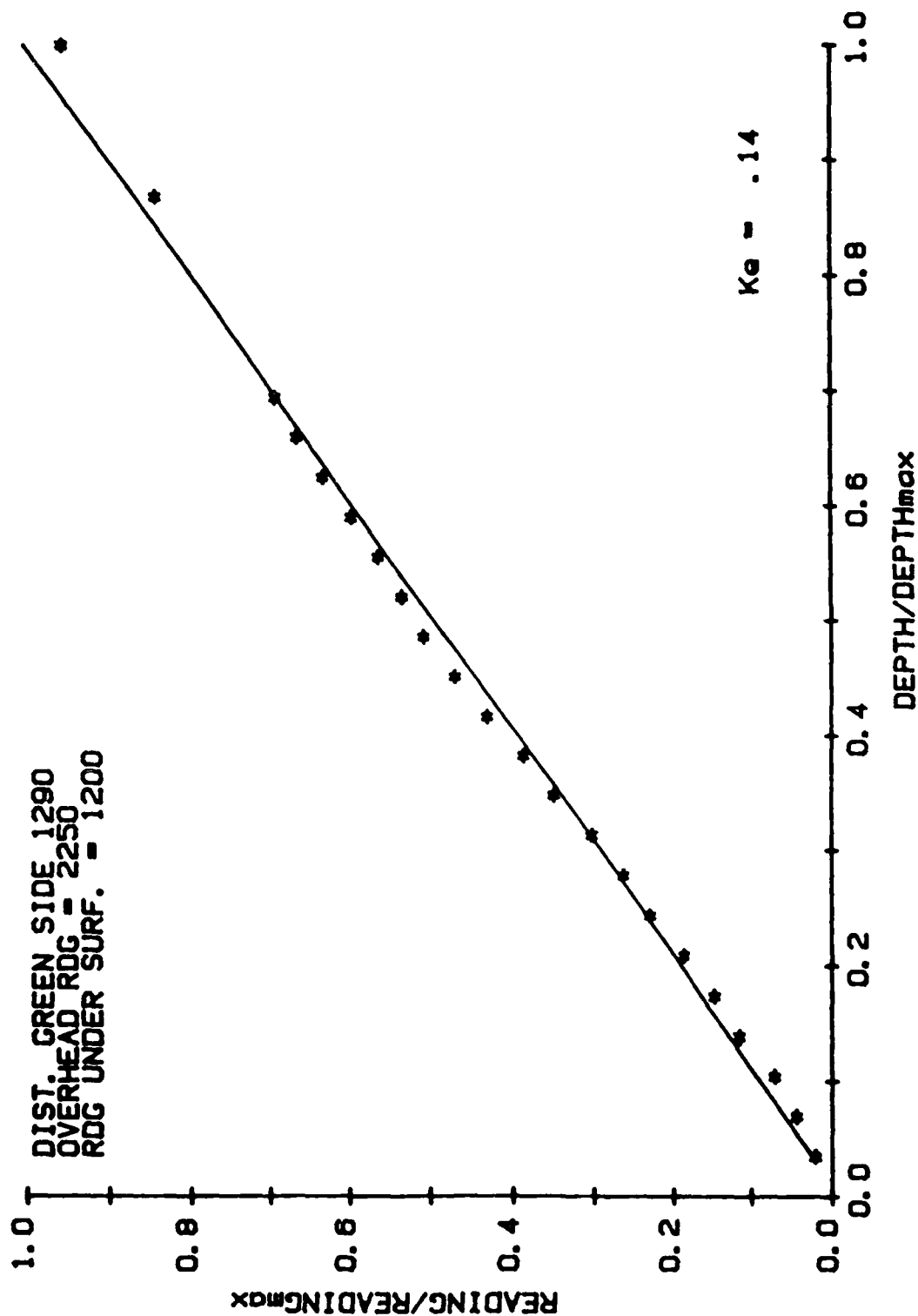
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1200.00	
1.0	1100.00	
2.0	1000.00	1.30
3.0	890.00	
4.0	740.00	
5.0	650.00	
6.0	550.00	
7.0	460.00	
8.0	400.00	
9.0	340.00	
10.0	280.00	
11.0	240.00	
12.0	200.00	
13.0	170.00	
14.0	145.00	
15.0	130.00	
16.0	115.00	
17.0	100.00	
18.0	86.00	
19.0	75.00	
20.0	67.00	
25.0	36.00	
28.8	22.50	

LIGHT METER RESULTS

SITE NAME WEST CELL DOCK

DIST. GREEN SIDE 1290
OVERHEAD RDG = 2250
RDG UNDER SURF. = 1200



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LIGHT METER READINGS

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SITE NAME WEST CELL DOCK
READING LOCATION (dist. from green side ft) 695

DATE 5/14/85
TIME 9:40 AM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 29

OVERHEAD LIGHT READING 2250
LIGHT READING JUST UNDER WATER SURFACE 1500

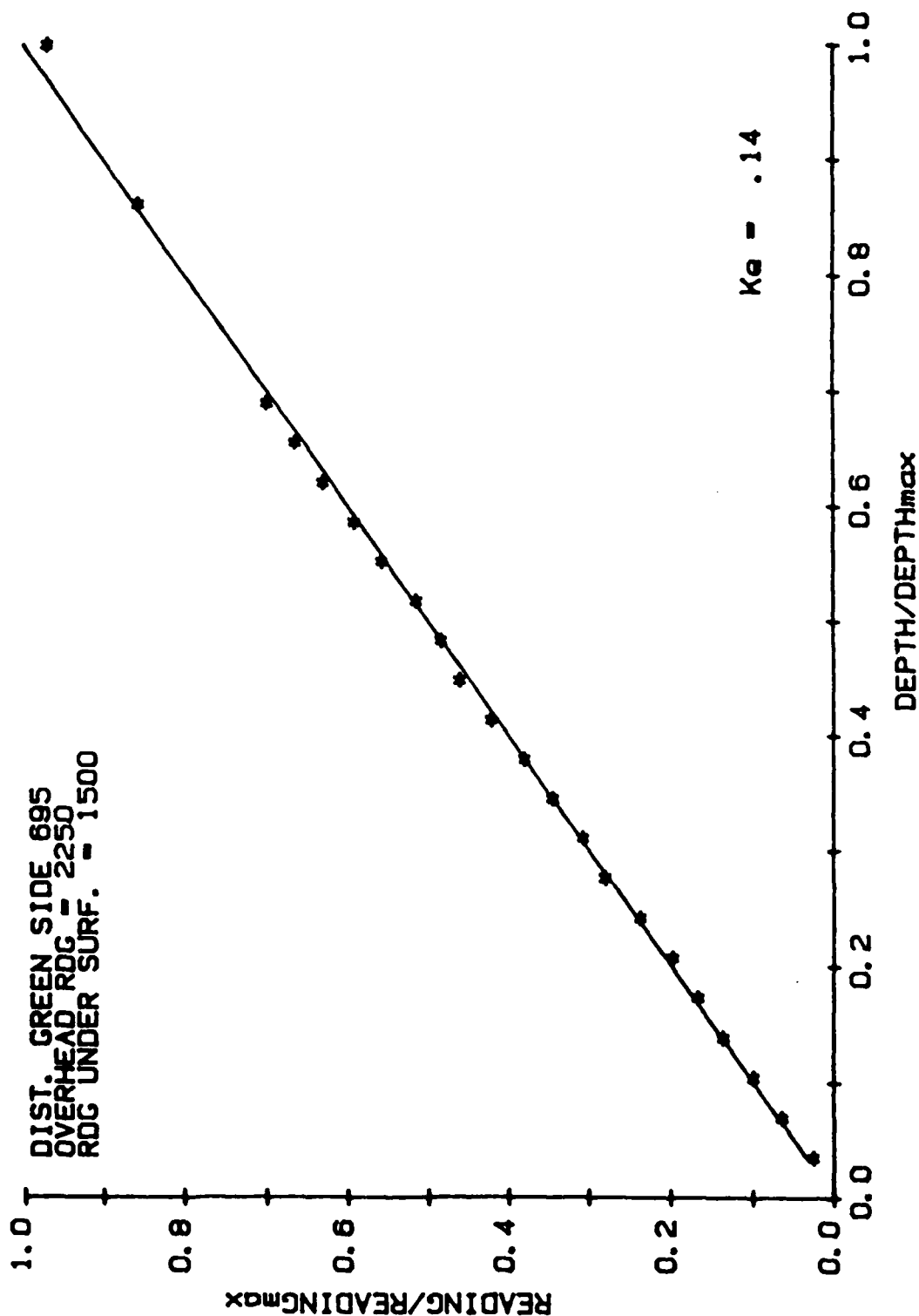
DEPTH OF LIGHT METER TURBIDITY
*** READING(ft) *** *** READING *** *** (JTU) ***

0.0	1500.00	
1.0	1350.00	
2.0	1150.00	
3.0	1000.00	
4.0	860.00	
5.0	760.00	1.40
6.0	670.00	
7.0	570.00	
8.0	480.00	
9.0	430.00	
10.0	370.00	
11.0	320.00	
12.0	270.00	
13.0	230.00	
14.0	210.00	
15.0	185.00	1.30
16.0	155.00	
17.0	135.00	
18.0	115.00	
19.0	100.00	
20.0	87.00	
25.0	46.00	1.20
29.0	29.00	

LIGHT METER RESULTS

SITE NAME WEST CELL DOCK

DIST. GREEN SIDE 695
OVERHEAD ROD = 2250
ROD UNDER SURF. = 1500



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LIGHT METER READINGS

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SITE NAME WEST CELL DOCK
READING LOCATION (dist. from green side ft) 200

DATE 5/14/85
TIME 9:45 AM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 7.8

OVERHEAD LIGHT READING 2300
LIGHT READING JUST UNDER WATER SURFACE 1450

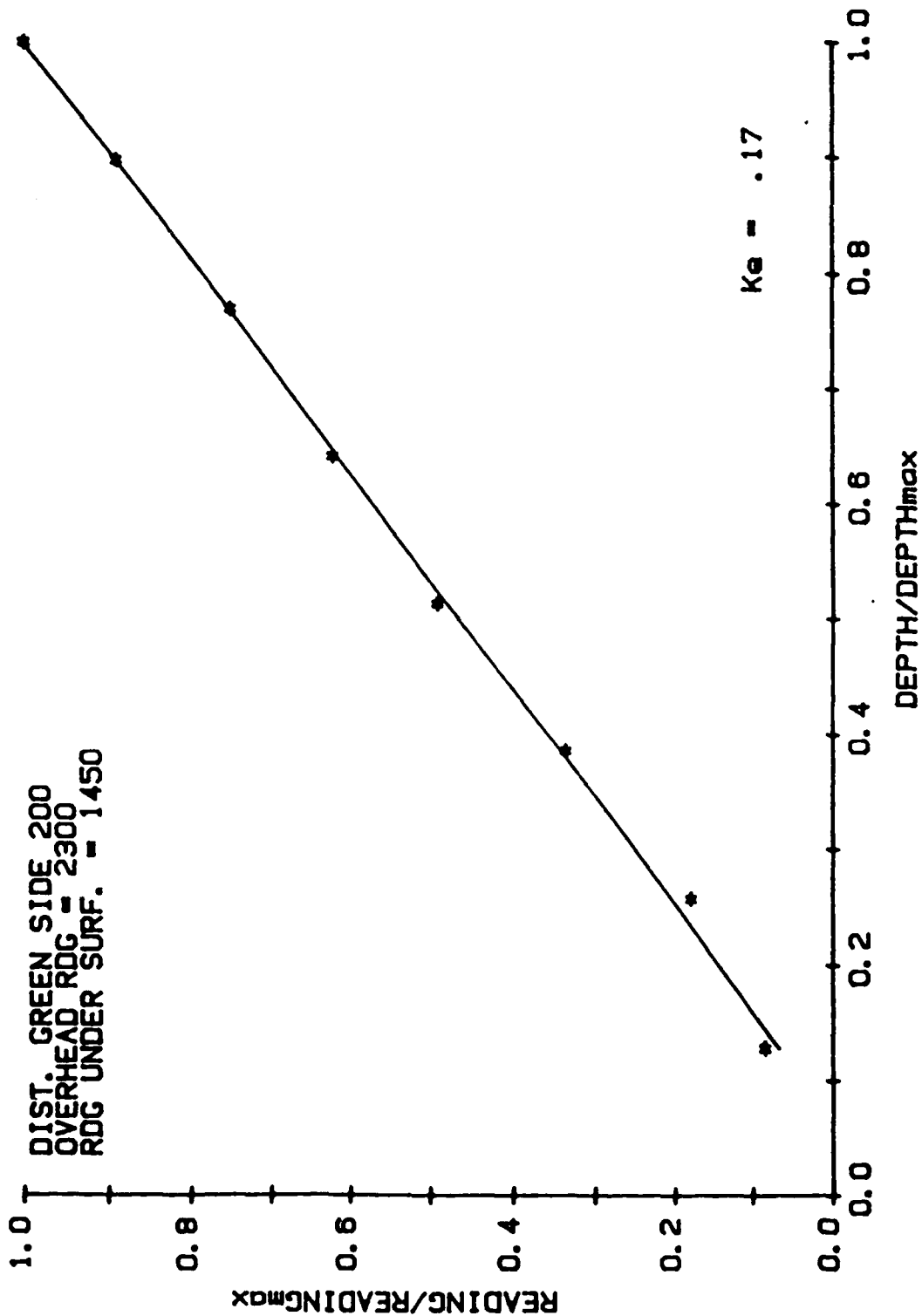
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1450.00	
1.0	1300.00	
2.0	1150.00	2.50
3.0	940.00	
4.0	770.00	
5.0	650.00	
6.0	550.00	
7.0	460.00	
7.8	400.00	

LIGHT METER RESULTS

SITE NAME WEST CELL DOCK

DIST. GREEN SIDE 200
OVERHEAD ROD = 2300
ROD UNDER SURF. = 1450



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TURBIDITY READINGS

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SITE NAME MOON ISLAND

DATE 5/11/85

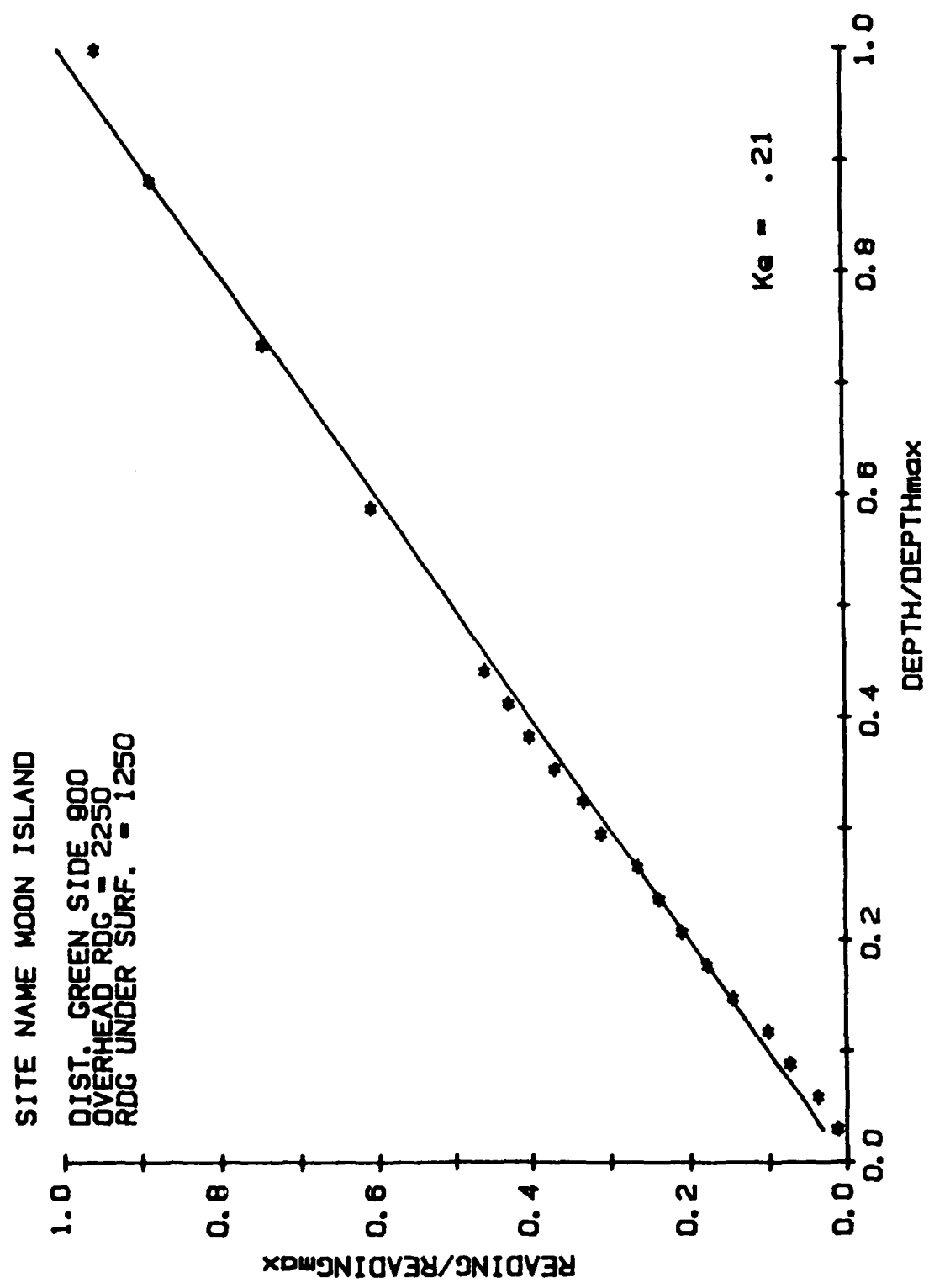
TOTAL DEPTH AT LOCATION	1	(ft)	6
TOTAL DEPTH AT LOCATION	2	(ft)	6
TOTAL DEPTH AT LOCATION	3	(ft)	34
TOTAL DEPTH AT LOCATION	4	(ft)	6
TOTAL DEPTH AT LOCATION	5	(ft)	5

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	215.0		
		2.0	8.50
LOCATION 2	225.0		
		2.0	1.80
LOCATION 3	900.0		
		5.0	1.70
		15.0	1.90
		25.0	1.90
LOCATION 4	1175.0		
		2.0	7.00
LOCATION 5	1475.0		
		2.0	6.30

LIGHT METER READINGS

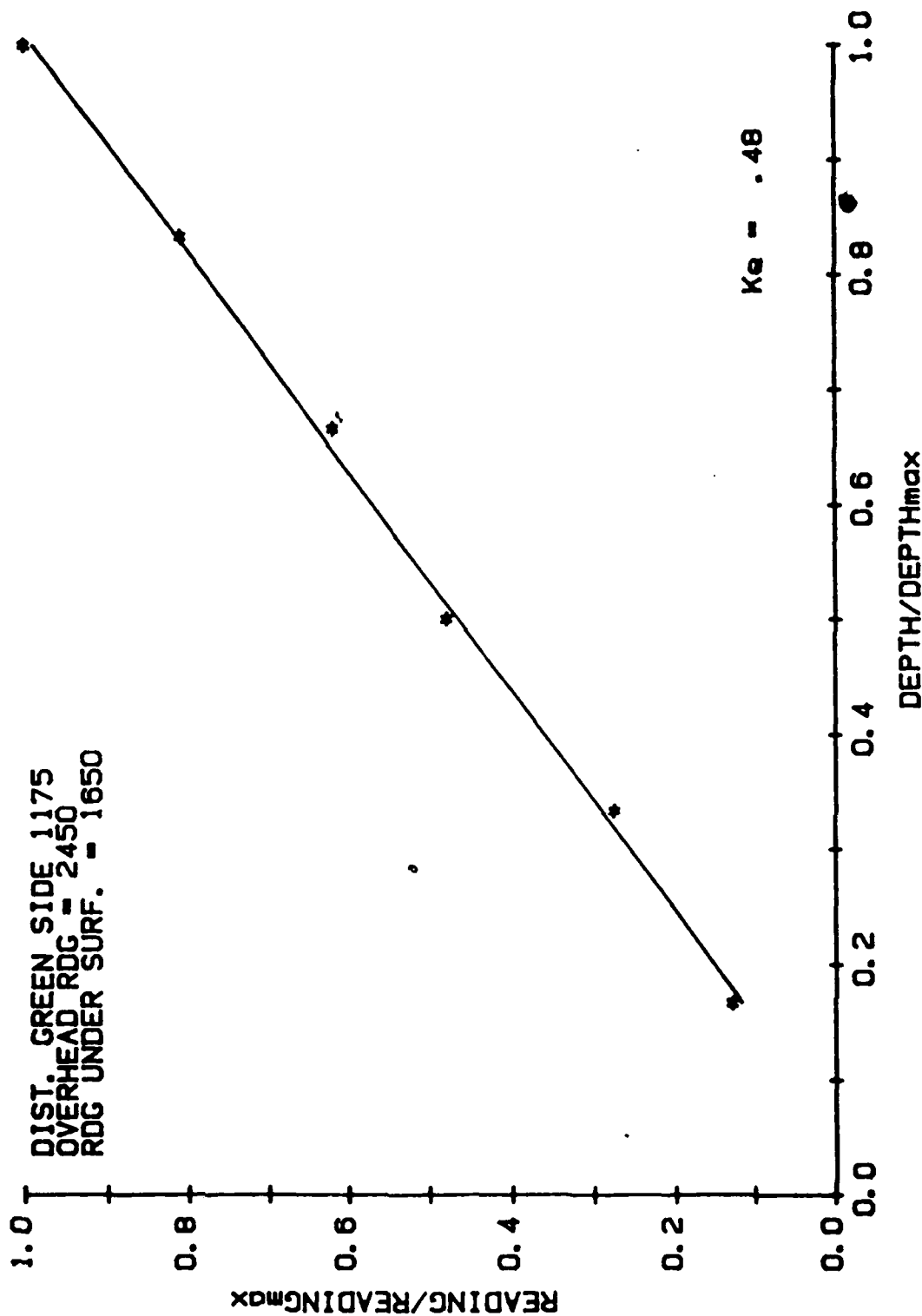
****LIGHT METER RESULTS****



LIGHT METER READINGS

LIGHT METER RESULTS

SITE NAME MOON ISLAND
DIST. GREEN SIDE 1175
OVERHEAD RDG = 2450
RDG UNDER SURF. = 1650



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TURBIDITY READINGS

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SITE NAME LAKE MUNUSCONG

DATE 5/11/85

TOTAL DEPTH AT LOCATION 1 (ft) 6
TOTAL DEPTH AT LOCATION 2 (ft) 9
TOTAL DEPTH AT LOCATION 3 (ft) 10.7

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	500.0	2.0	3.30
LOCATION 2	1000.0	2.0	2.70
LOCATION 3	1500.0	2.0	2.50

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LIGHT METER READINGS

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SITE NAME LAKE MUNUSCONG
READING LOCATION (dist. from green side ft) 1500

DATE 5/11/85
TIME 9:45 AM
SKY WAS CLEAR

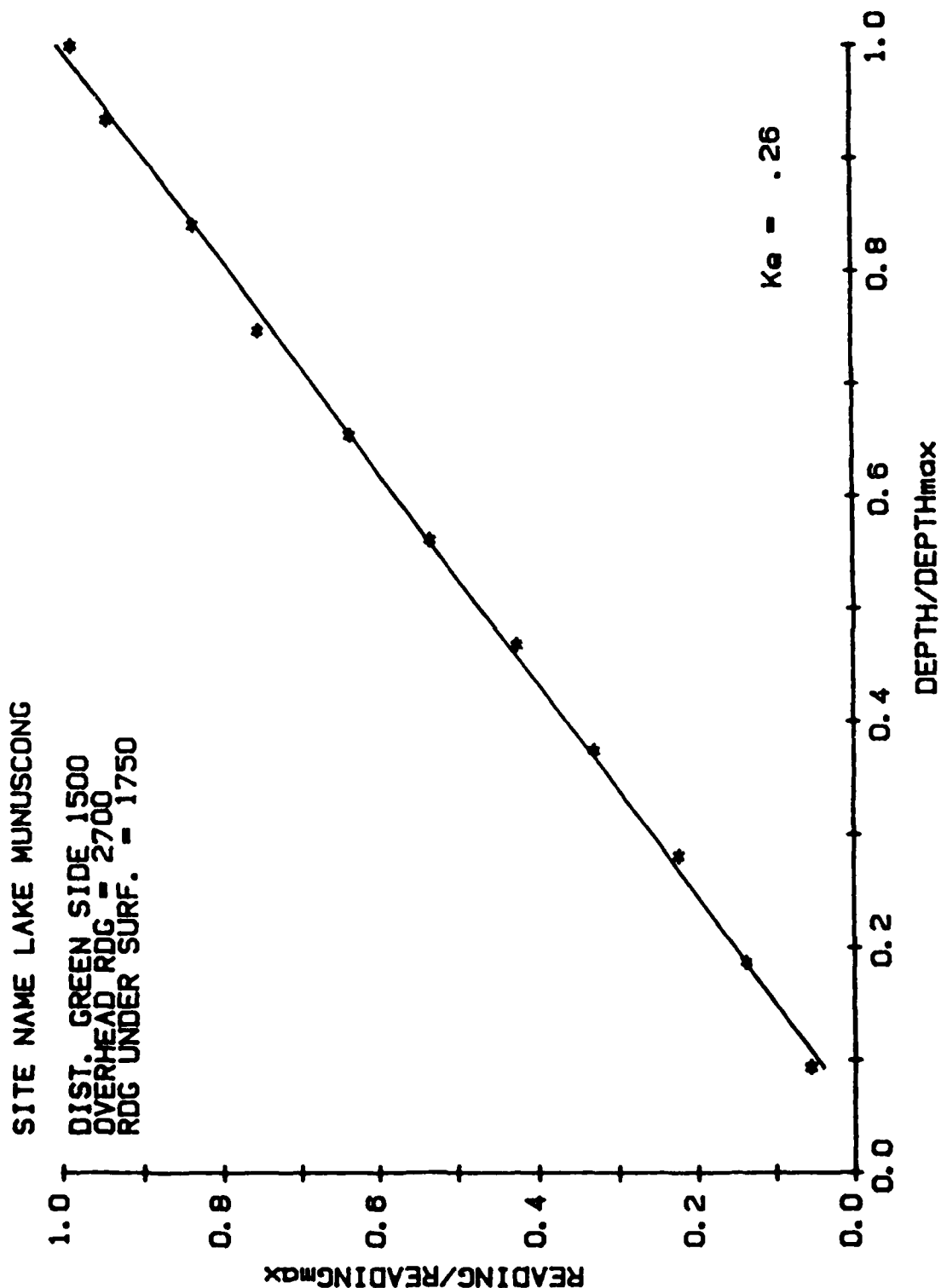
TOTAL DEPTH AT LOCATION (ft) 10.7

OVERHEAD LIGHT READING 2700
LIGHT READING JUST UNDER WATER SURFACE 1750

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1750.00	
1.0	1500.00	
2.0	1200.00	2.50
3.0	950.00	
4.0	710.00	
5.0	550.00	
6.0	410.00	
7.0	310.00	
8.0	225.00	
9.0	180.00	
10.0	135.00	
10.7	120.00	

LIGHT METER RESULTS



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TURBIDITY READINGS

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SITE NAME LAKE NICOLET

DATE 5/10/85

TOTAL DEPTH AT LOCATION	1	(ft)	12.3
TOTAL DEPTH AT LOCATION	2	(ft)	7.3
TOTAL DEPTH AT LOCATION	3	(ft)	8
TOTAL DEPTH AT LOCATION	4	(ft)	6

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1.0	2.0 10.0	1.80 1.80
LOCATION 2	2.0	2.0	1.80
LOCATION 3	3.0	2.0	1.70
LOCATION 4	4.0	2.0	1.60

LIGHT METER READINGS

[illegible]

SITE NAME	LAKE NICOLET	
READING LOCATION (dist. from green side ft)		SITE A
1		
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99		
100		

DATE 5/10/85
TIME 12:30 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 12.3

OVERHEAD LIGHT READING	2700	
LIGHT READING JUST UNDER WATER SURFACE		1950

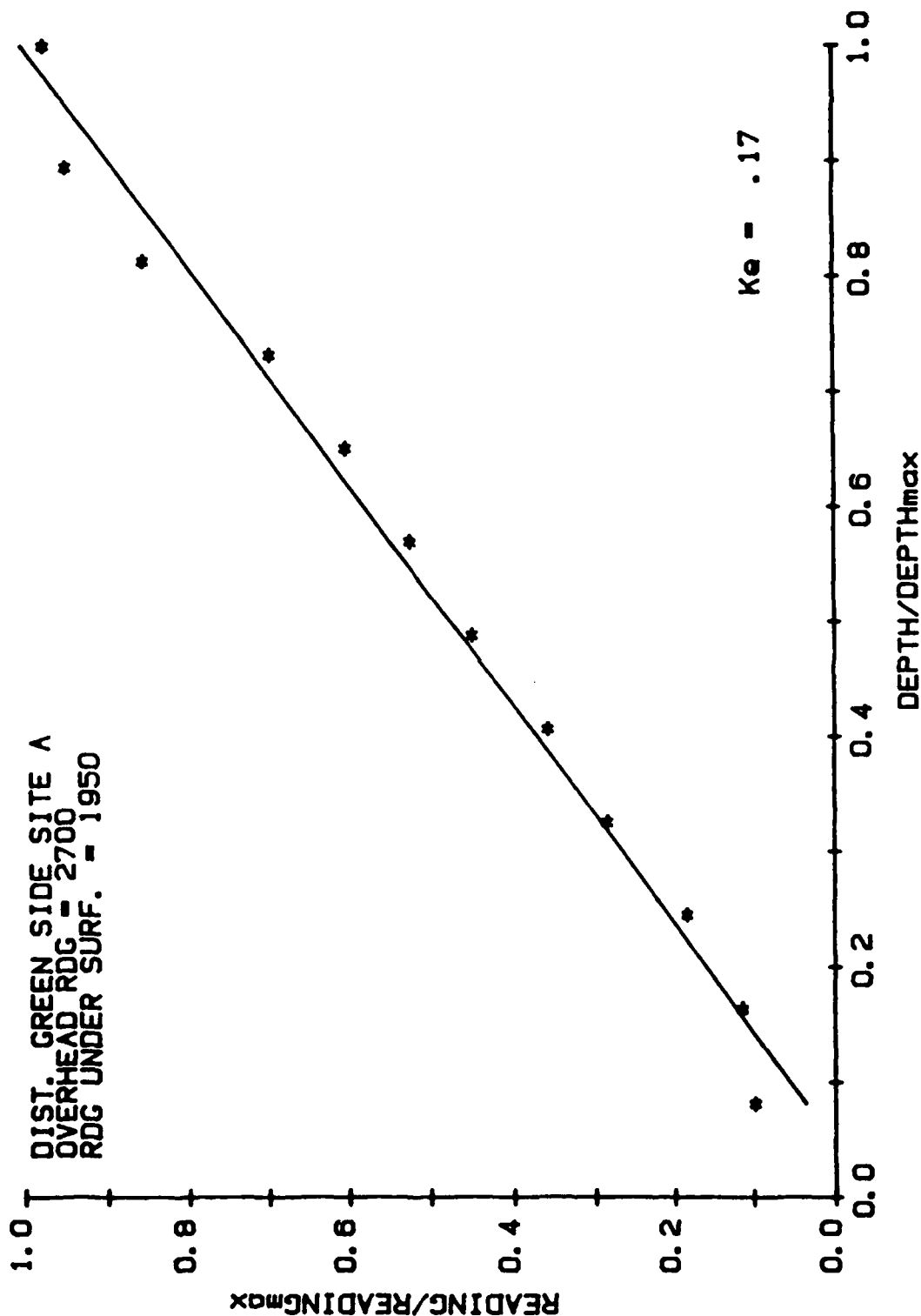
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
80	100	100
81	100	100
82	100	100
83	100	100
84	100	100
85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

0.0	1950.00	
1.0	1600.00	
2.0	1550.00	1.80
3.0	1350.00	
4.0	1100.00	
5.0	950.00	
6.0	790.00	
7.0	680.00	
8.0	580.00	
9.0	480.00	
10.0	350.00	1.80
11.0	290.00	
12.3	275.00	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE A
OVERHEAD RDG = 2700
RDG UNDER SURF. = 1950



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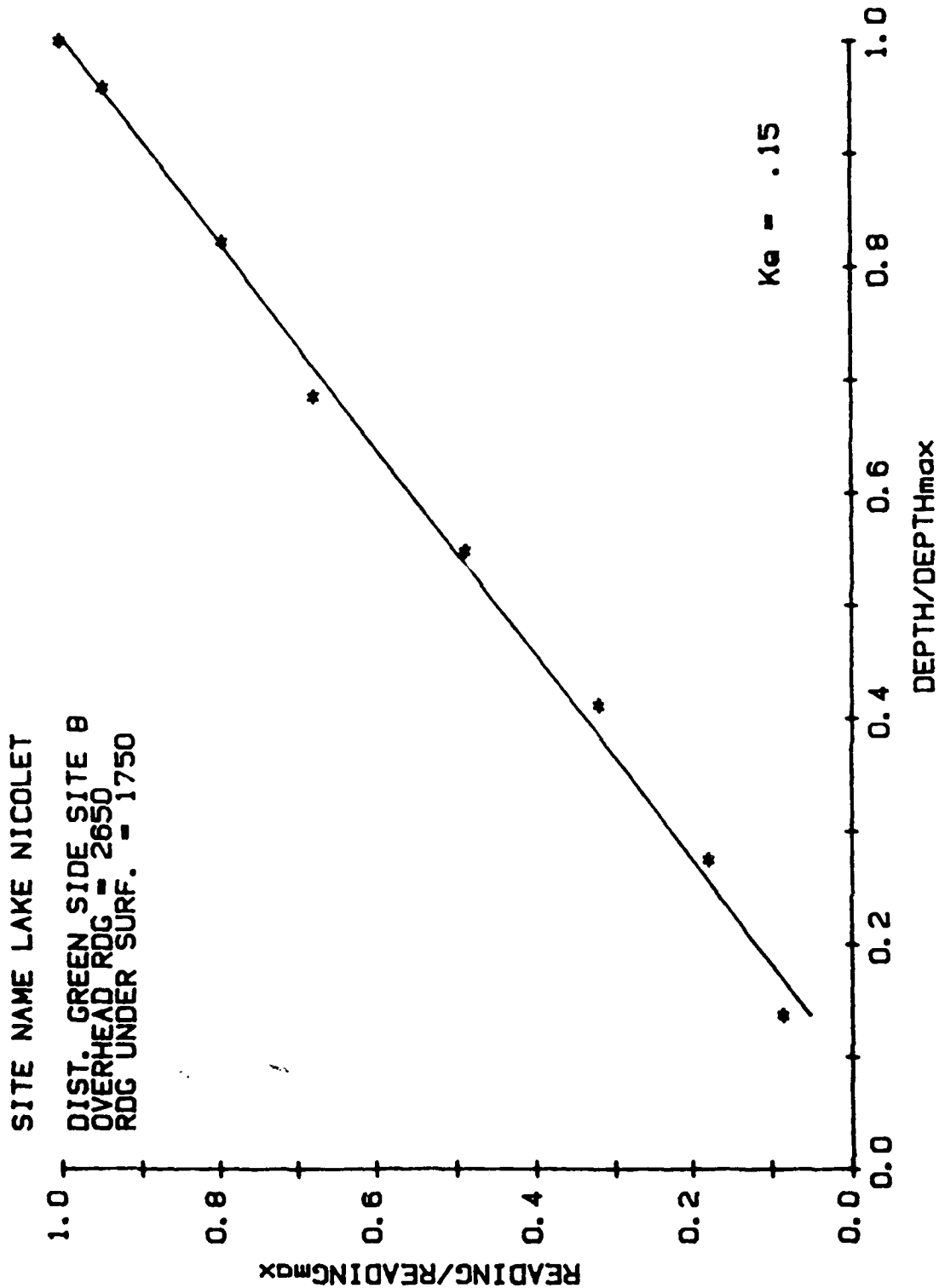
LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE B
DATE 5/10/85
TIME 12:40 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 7.3
OVERHEAD LIGHT READING 2650
LIGHT READING JUST UNDER WATER SURFACE 1750

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1750.00	
1.0	1600.00	
2.0	1450.00	1.80
3.0	1250.00	
4.0	1050.00	
5.0	860.00	
6.0	760.00	
7.0	650.00	
7.3	615.00	

LIGHT METER RESULTS



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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE C

DATE 5/10/85
TIME 12:45 PM
SKY WAS CLOUDY

TOTAL DEPTH AT LOCATION (ft) 8

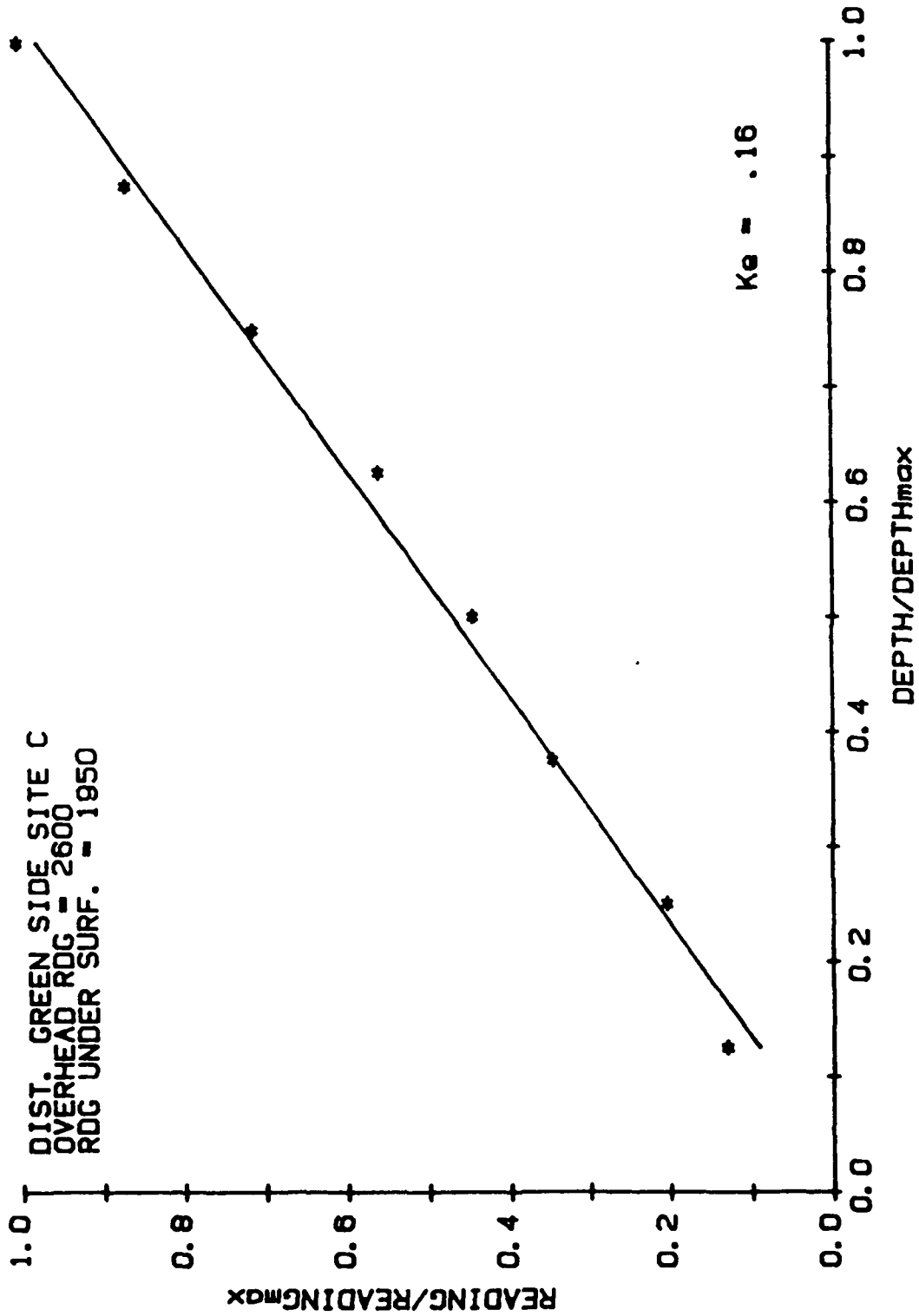
OVERHEAD LIGHT READING 2600
LIGHT READING JUST UNDER WATER SURFACE 1950

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1950.00	
1.0	1650.00	
2.0	1500.00	1.70
3.0	1250.00	
4.0	1100.00	
5.0	950.00	
6.0	780.00	
7.0	640.00	
8.0	540.00	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET
DIST. GREEN SIDE SITE C
OVERHEAD RDG = 2600
RDG UNDER SURF. = 1950



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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE D

DATE 5/10/85
TIME 12:48 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 6

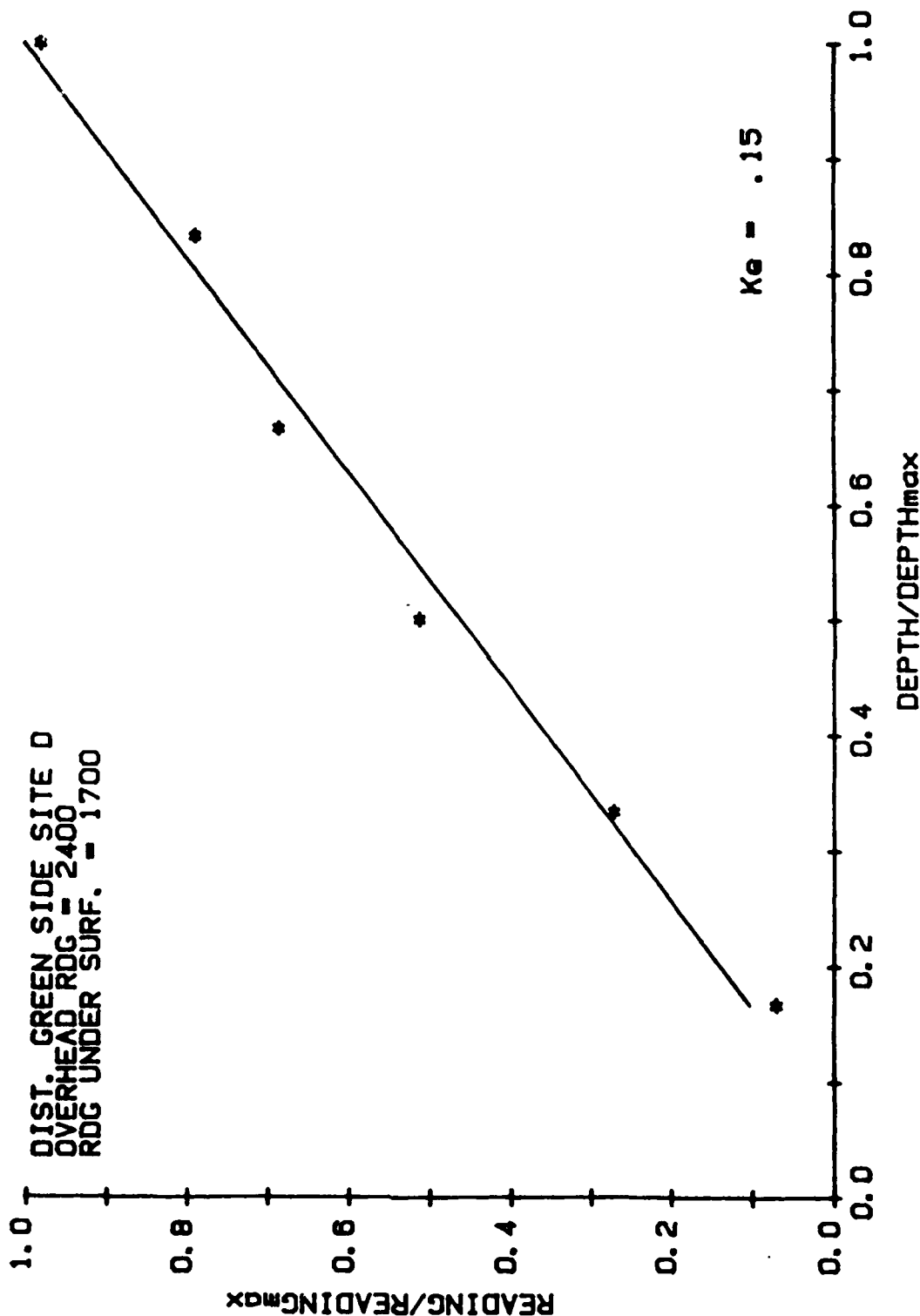
OVERHEAD LIGHT READING 2400
LIGHT READING JUST UNDER WATER SURFACE 1700

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1700.00	
1.0	1600.00	
2.0	1350.00	1.60
3.0	1100.00	
4.0	950.00	
5.0	870.00	
6.0	740.00	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE D
OVERHEAD RDG = 2400
RDG UNDER SURF. = 1700



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TURBIDITY READINGS

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SITE NAME CHARLOTTE RIVER

DATE 5/10/85

TOTAL DEPTH AT LOCATION 1 (ft) 7
TOTAL DEPTH AT LOCATION 2 (ft) 14
TOTAL DEPTH AT LOCATION 3 (ft) 4

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1.0	2.0	5.70
		5.0	6.00
LOCATION 2	2.0	2.0	39.00
		5.0	38.00
LOCATION 3	3.0	2.0	3.50

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LIGHT METER READINGS

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SITE NAME CHARLOTTE RIVER
READING LOCATION (dist. from green side ft)
500' OFFSHORE 1000'DOWNRIVER OF MOUTH

DATE 5/10/85
TIME 12:05 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 7

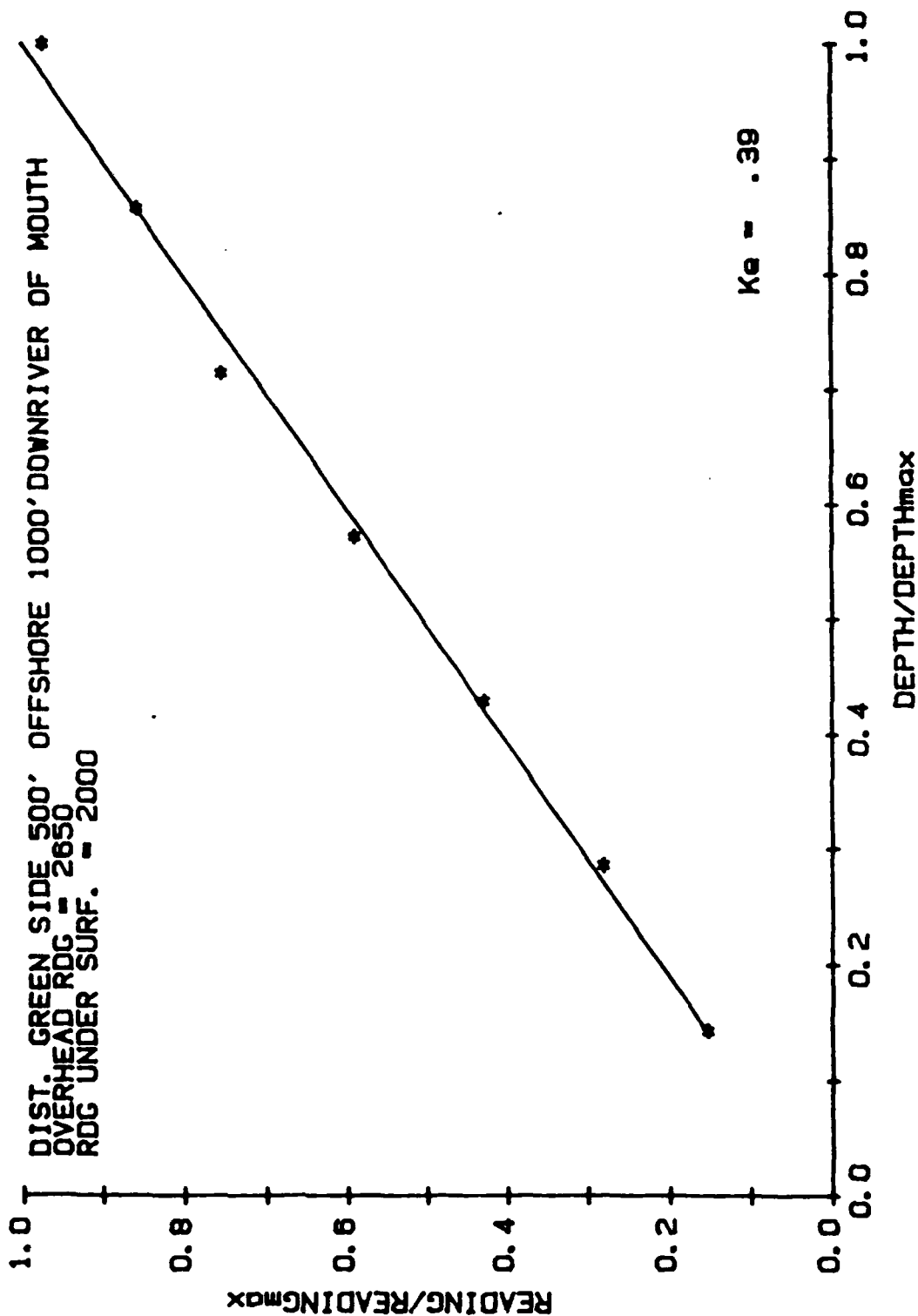
OVERHEAD LIGHT READING 2650
LIGHT READING JUST UNDER WATER SURFACE 2000

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	2000.00	
1.0	1300.00	
2.0	910.00	5.70
3.0	600.00	
4.0	380.00	
5.0	240.00	6.00
6.0	180.00	
7.0	130.00	

LIGHT METER RESULTS

SITE NAME CHARLOTTE RIVER

DIST. GREEN SIDE 500' OFFSHORE 1000' DOWN RIVER OF MOUTH
OVERHEAD ROD = 2650
ROD UNDER SURF. = 2000



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LIGHT METER READINGS

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SITE NAME CHARLOTTE RIVER
READING LOCATION (dist. from green side ft) 200' DOWN fr BRIDGE

DATE 5/10/85
TIME 12:15 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 14

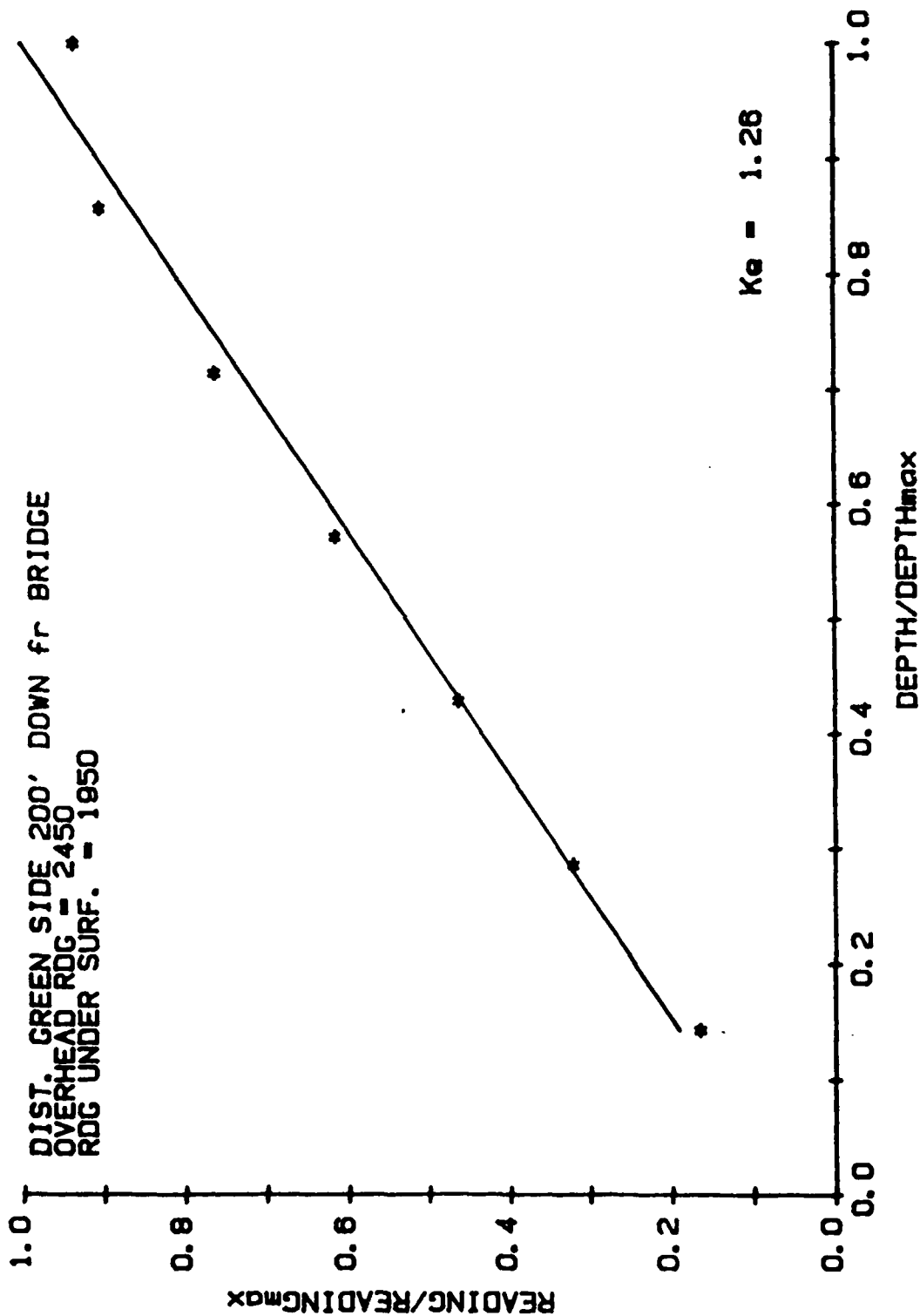
OVERHEAD LIGHT READING 2450
LIGHT READING JUST UNDER WATER SURFACE 1950

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1950.00	
1.0	410.00	
2.0	95.00	39.00
3.0	25.00	
4.0	6.00	
5.0	1.50	38.00
6.0	0.40	
7.0	0.30	

LIGHT METER RESULTS

SITE NAME CHARLOTTE RIVER

DIST. GREEN SIDE 200' DOWN fr BRIDGE
OVERHEAD RDG = 2450
RDG UNDER SURF. = 1950



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LIGHT METER READINGS

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SITE NAME CHARLOTTE RIVER
READING LOCATION (dist. from green side ft)
200' OFFSHORE 300' UPRIVER OF MOUTH

DATE 5/10/85
TIME 12:30 PM
SKY WAS CLOUDY
TOTAL DEPTH AT LOCATION (ft) 4'

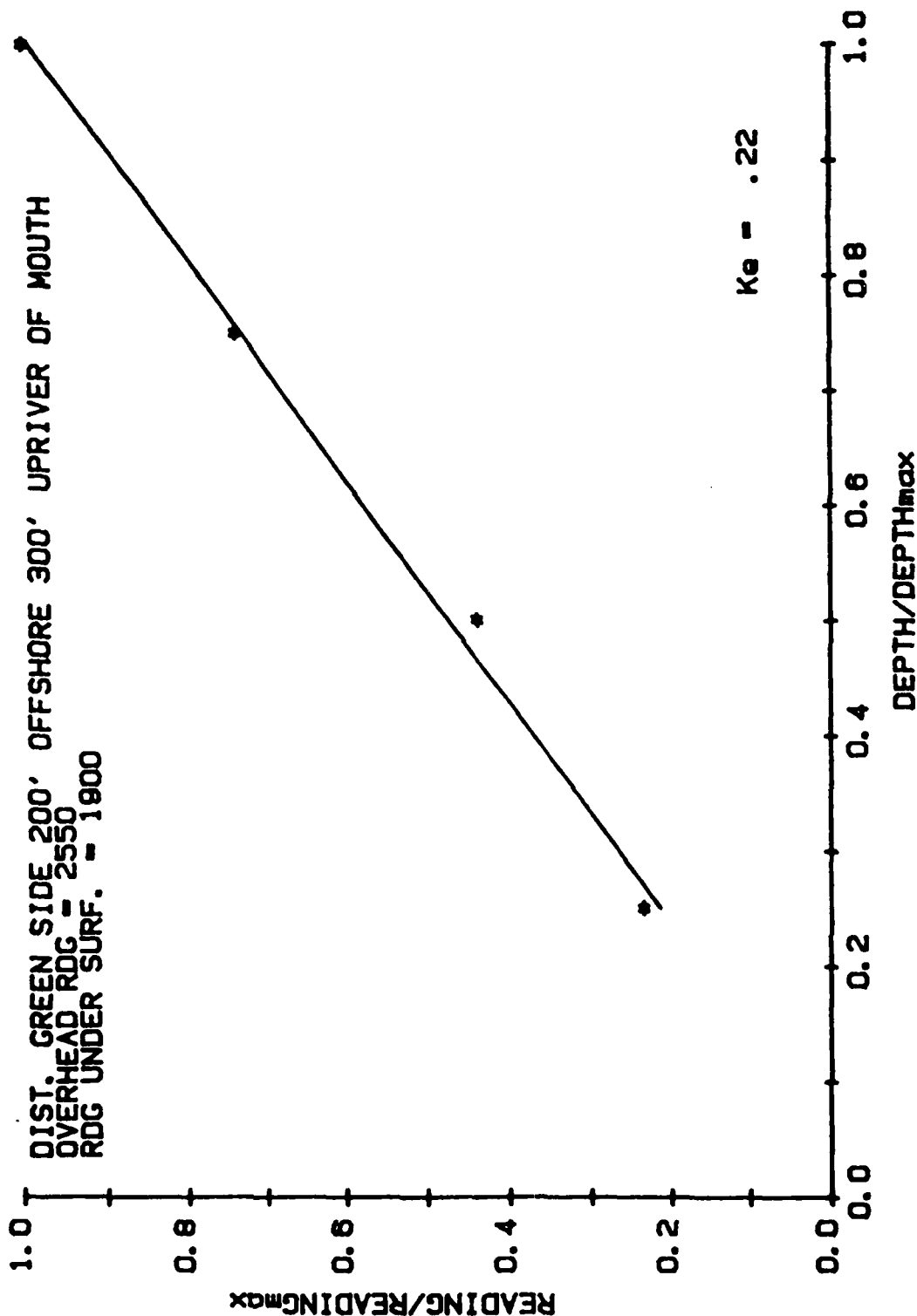
OVERHEAD LIGHT READING 2550
LIGHT READING JUST UNDER WATER SURFACE 1900

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1900.00	
1.0	1550.00	
2.0	1300.00	3.50
3.0	1000.00	
4.0	800.00	

LIGHT METER RESULTS

SITE NAME CHARLOTTE RIVER

DIST. GREEN SIDE 200' OFFSHORE 300' UPRIVER OF MOUTH
OVERHEAD RDG = 2550
RDG UNDER SURF. = 1900



DATA FOR JUNE 1985

TURBIDITY READINGS

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	200.0		
		2.0	1.40
LOCATION 2	900.0		
		5.0	1.30
		15.0	1.10
		25.0	0.80
LOCATION 3	1575.0		
		2.0	1.60

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LIGHT METER READINGS

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SITE NAME RIVER VIEW
READING LOCATION (dist. from green side ft) 200

DATE 6/2/85
TIME 12:20 PM
SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 5.8

OVERHEAD LIGHT READING 2450
LIGHT READING JUST UNDER WATER SURFACE 1950

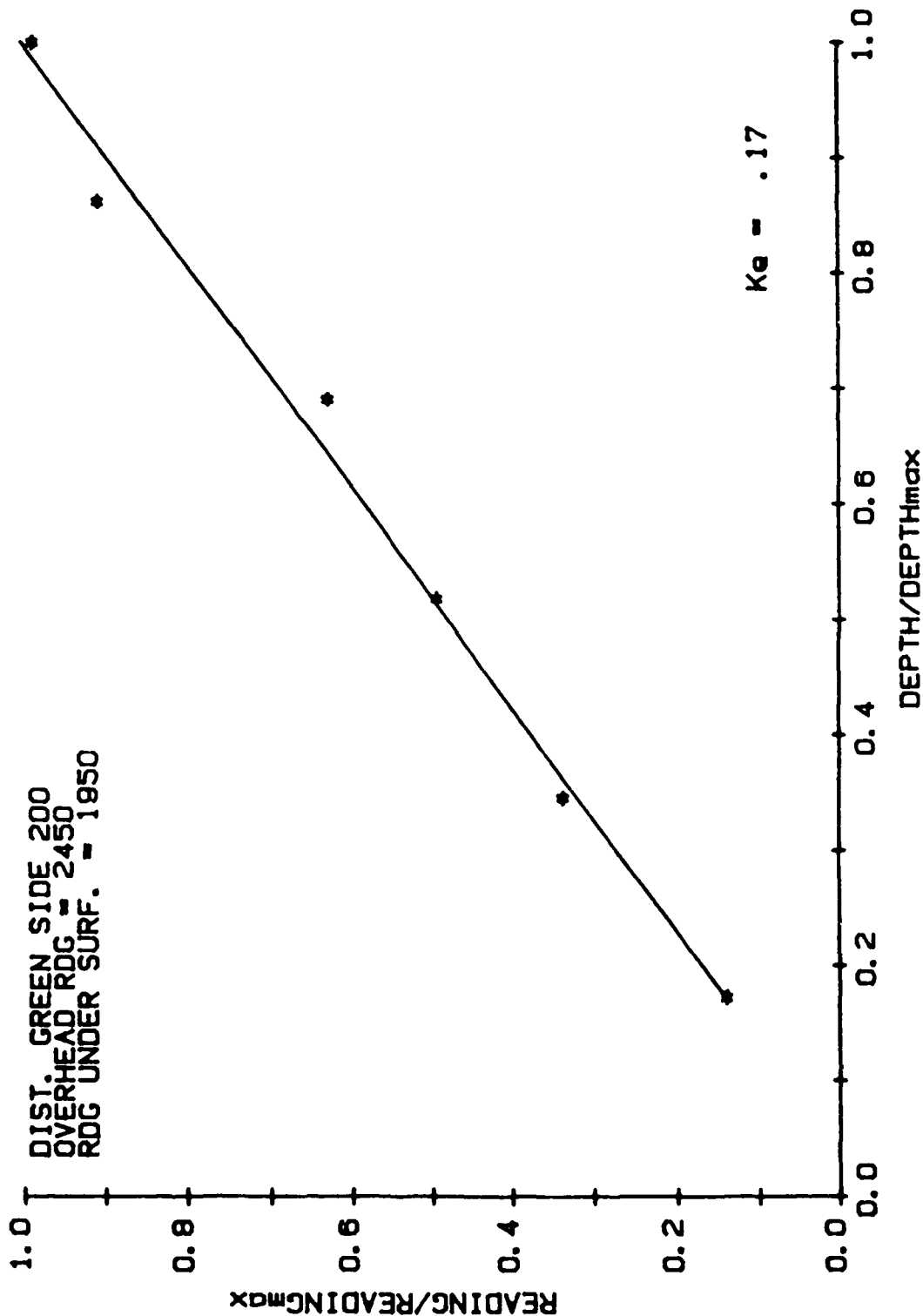
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1950.00	
1.0	1700.00	
2.0	1400.00	1.40
3.0	1200.00	
4.0	1050.00	
5.0	800.00	
5.8	740.00	

LIGHT METER RESULTS

SITE NAME RIVER VIEW

DIST. GREEN SIDE 200
OVERHEAD RDG = 2450
RDG UNDER SURF. = 1950



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LIGHT METER READINGS

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SITE NAME RIVER VIEW
READING LOCATION (dist. from green side ft) 900

DATE 6/2/85
TIME 12:10 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 34

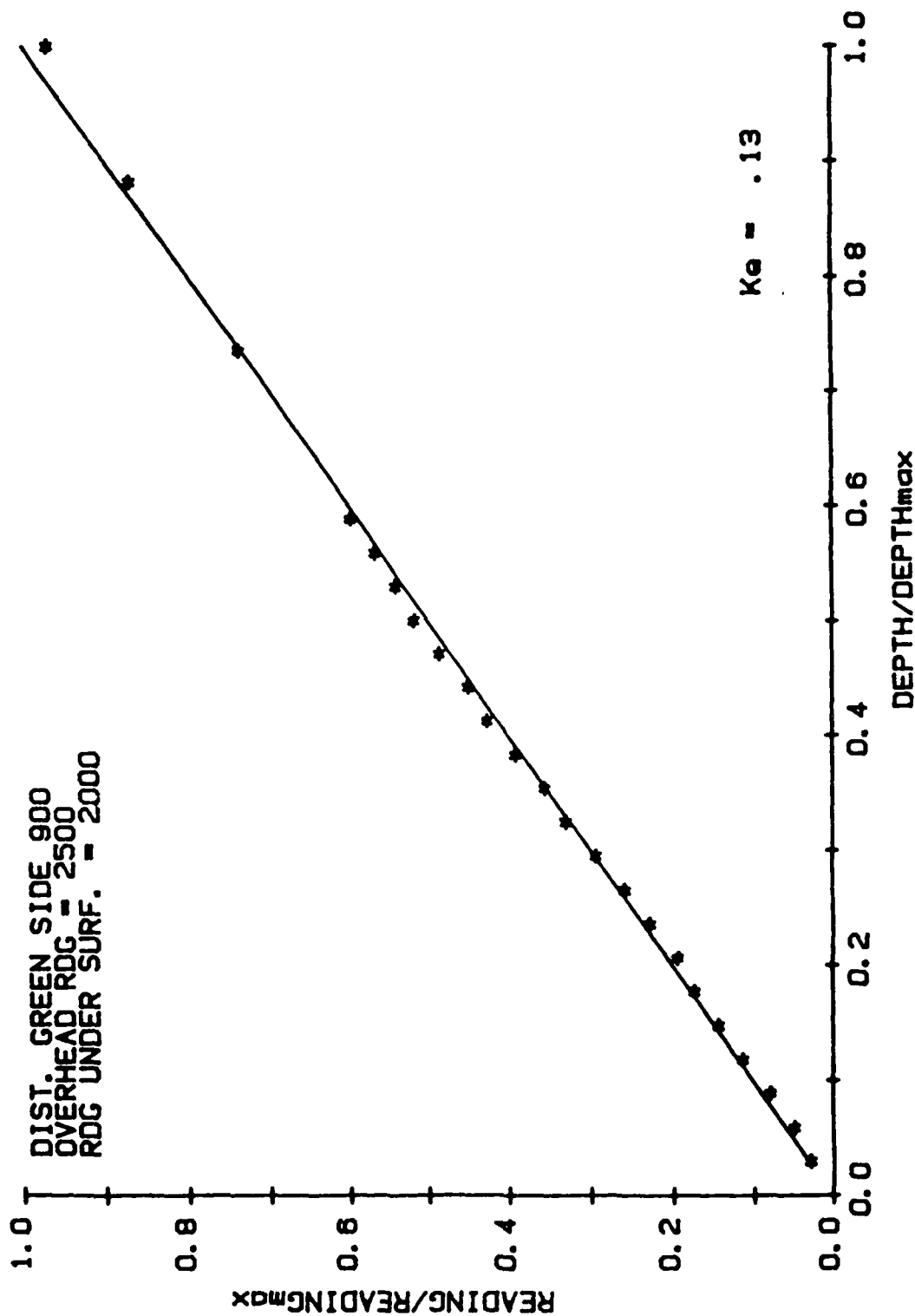
OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 2000

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	2000.00	
1.0	1750.00	
2.0	1600.00	
3.0	1400.00	
4.0	1200.00	
5.0	1050.00	1.30
6.0	920.00	
7.0	840.00	
8.0	720.00	
9.0	630.00	
10.0	540.00	
11.0	460.00	
12.0	410.00	
13.0	350.00	
14.0	300.00	
15.0	270.00	1.10
16.0	230.00	
17.0	200.00	
18.0	180.00	
19.0	160.00	
20.0	140.00	
25.0	75.00	0.80
30.0	42.00	
34.0	27.00	

LIGHT METER RESULTS

SITE NAME RIVER VIEW

DIST. GREEN SIDE 900
OVERHEAD RDG = 2500
RDG UNDER SURF. = 2000



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LIGHT METER READINGS

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SITE NAME RIVER VIEW
READING LOCATION (dist. from green side ft) 1575

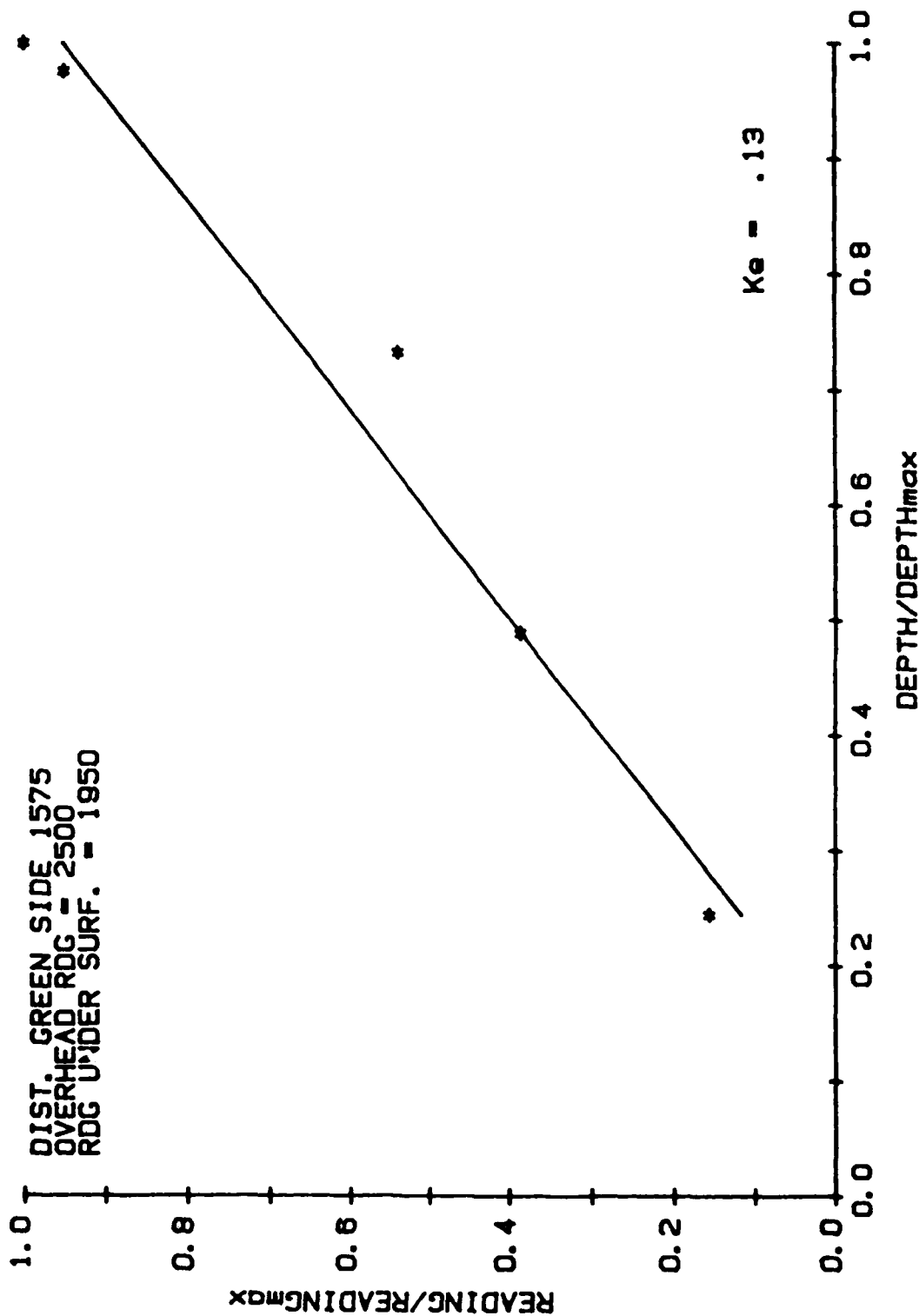
DATE 6/2/85
TIME 12:00 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 4.1

OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 1950

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1950.00	
1.0	1800.00	
2.0	1600.00	1.60
3.0	1480.00	
4.0	1200.00	
4.1	1170.00	

LIGHT METER RESULTS

SITE NAME RIVER VIEW
DIST. GREEN SIDE 1575
OVERHEAD RDG = 2500
RDG UNDER SURF. = 1950



TURBIDITY READINGS

	DIST. TO	DEPTH OF	TURBIDITY
	*** SAMPLE(ft) ***	*** SAMPLE ***	*** (JTU) ***
LOCATION 1	210.0		
		2.0	7.70
LOCATION 2	2100.0		
		5.0	2.60
		15.0	2.70
		25.0	2.00
LOCATION 3	2775.0		
		2.0	2.70

LIGHT METER READINGS

SITE NAME SAND ISLAND
READING LOCATION (dist. from green side ft) 210

DATE 6/2/85
TIME 3:15 PM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 5.8

OVERHEAD LIGHT READING 2600

LIGHT READING JUST UNDER WATER SURFACE 2200

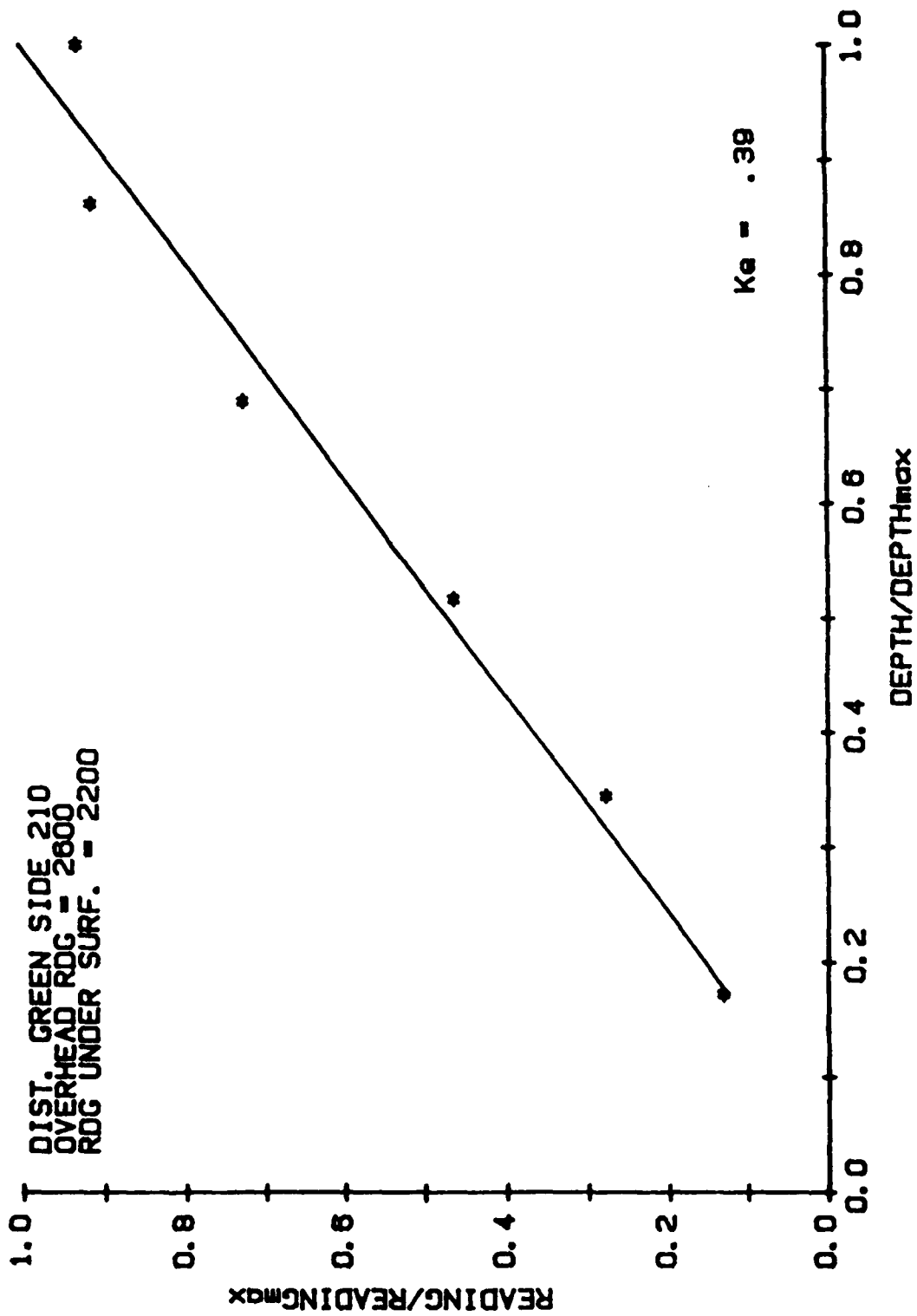
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2200.00	
1.0	1650.00	
2.0	1200.00	7.70
3.0	800.00	
4.0	450.00	
5.0	300.00	
5.8	290.00	

LIGHT METER RESULTS

SITE NAME SAND ISLAND

DIST. GREEN SIDE 210
OVERHEAD RDG = 2600
RDG UNDER SURF. = 2200



LIGHT METER READINGS

SITE NAME SAND ISLAND
READING LOCATION (dist. from green side ft) 2100

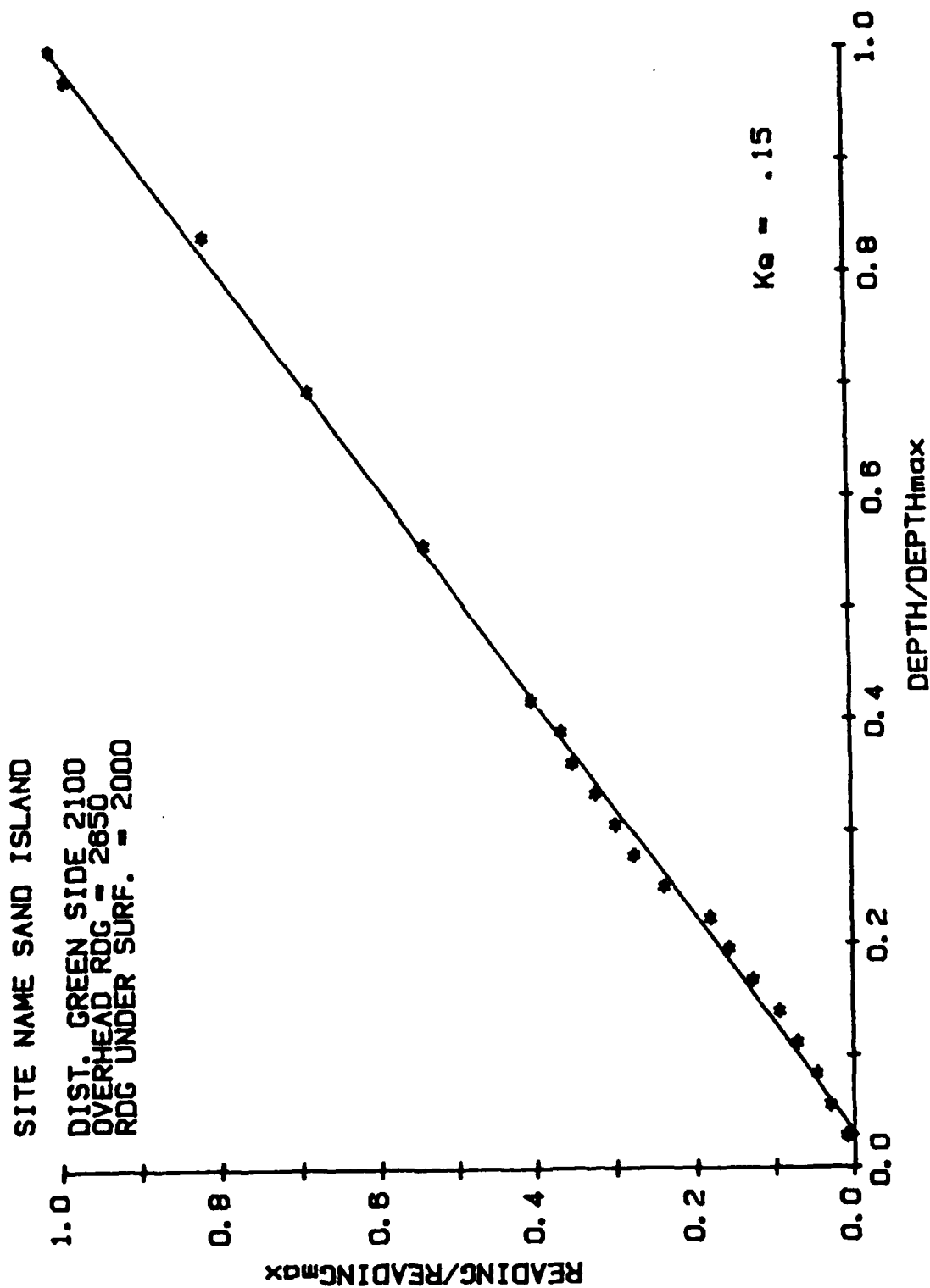
DATE 6/2/85
TIME 3:07 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 36

OVERHEAD LIGHT READING 2650
LIGHT READING JUST UNDER WATER SURFACE 2000

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2000.00	
1.0	1900.00	
2.0	1700.00	
3.0	1550.00	
4.0	1350.00	
5.0	1200.00	2.60
6.0	1000.00	
7.0	850.00	
8.0	750.00	
9.0	550.00	
10.0	450.00	
11.0	400.00	
12.0	350.00	
13.0	300.00	
14.0	280.00	
15.0	230.00	2.70
20.0	110.00	
25.0	50.00	2.00
30.0	25.00	
35.0	10.00	
36.0	9.00	

****LIGHT METER RESULTS****



LIGHT METER READINGS

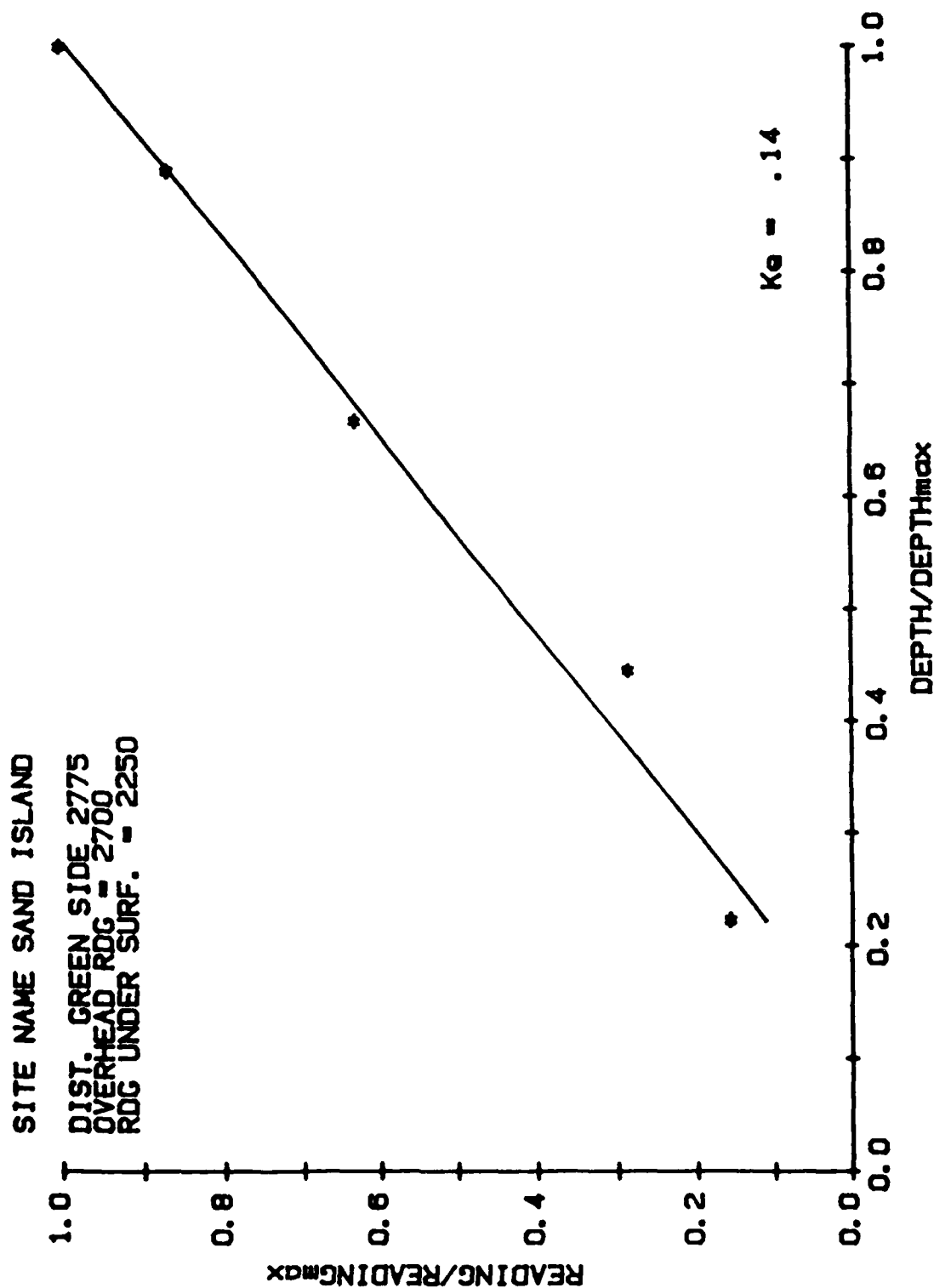
SITE NAME SAND ISLAND
READING LOCATION (dist. from green side ft) 2775

DATE 6/2/85
TIME 3:00 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 4.5

OVERHEAD LIGHT READING 2700
LIGHT READING JUST UNDER WATER SURFACE 2250

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	2250.00	
1.0	2050.00	
2.0	1900.00	2.70
3.0	1550.00	
4.0	1350.00	
4.5	1250.00	

LIGHT METER RESULTS



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TURBIDITY READINGS

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SITE NAME ISLAND VIEW

DATE 6/2/85

TOTAL DEPTH AT LOCATION 1 (ft) 17.5
TOTAL DEPTH AT LOCATION 2 (ft) 37
TOTAL DEPTH AT LOCATION 3 (ft) 5

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	215.0		
		2.0	1.80
LOCATION 2	1000.0		
		5.0	2.00
		15.0	1.80
		25.0	1.80
LOCATION 3	2068.0		
		2.0	1.60

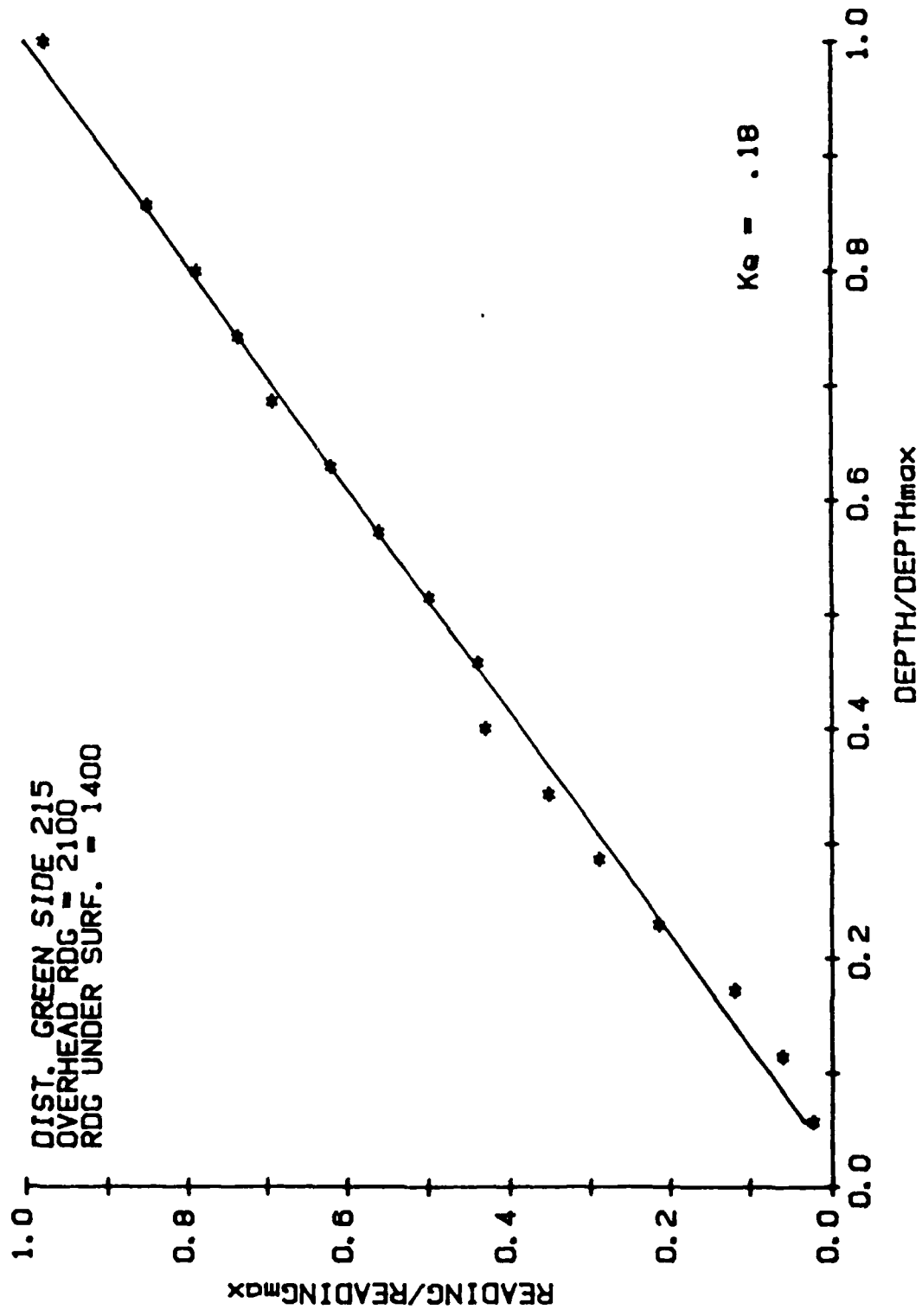
LIGHT METER READINGS

0.0	1400.00	
1.0	1300.00	
2.0	1150.00	1.80
3.0	950.00	
4.0	700.00	
5.0	550.00	
6.0	450.00	
7.0	350.00	
8.0	340.00	
9.0	280.00	
10.0	230.00	
11.0	190.00	
12.0	150.00	
13.0	130.00	
14.0	110.00	
15.0	90.00	1.80
17.5	60.00	

LIGHT METER RESULTS

SITE NAME ISLAND VIEW

DIST. GREEN SIDE 215
OVERHEAD ROG = 2100
ROG UNDER SURF. = 1400



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LIGHT METER READINGS

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SITE NAME ISLAND VIEW
READING LOCATION (dist. from green side ft) 1000

DATE 6/2/85
TIME 5:40 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 37

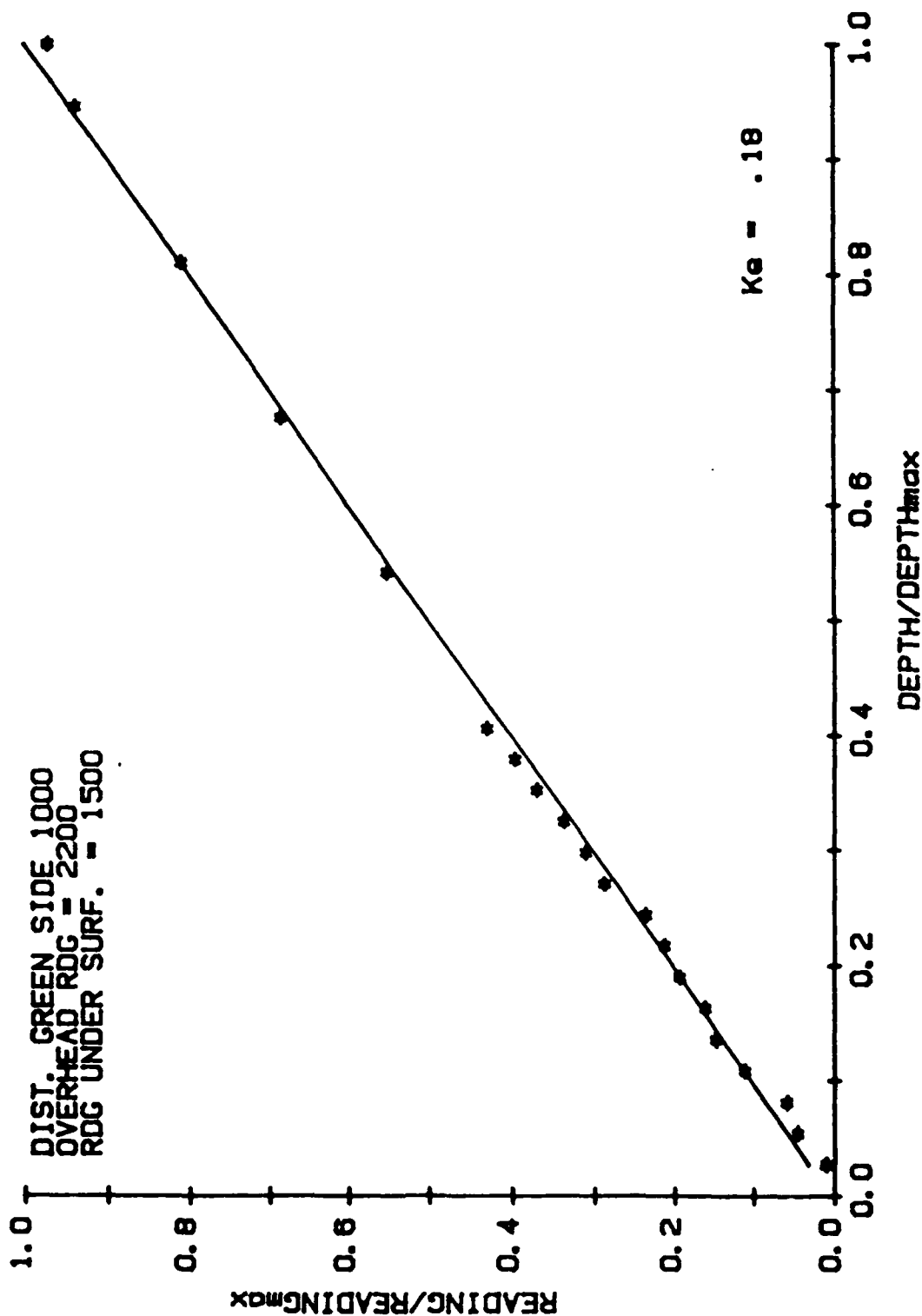
OVERHEAD LIGHT READING 2200
LIGHT READING JUST UNDER WATER SURFACE 1500

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1500.00	
1.0	1400.00	
2.0	1100.00	
3.0	1000.00	
4.0	700.00	
5.0	550.00	2.00
6.0	500.00	
7.0	400.00	
8.0	350.00	
9.0	300.00	
10.0	210.00	
11.0	180.00	
12.0	150.00	
13.0	120.00	
14.0	100.00	
15.0	80.00	1.80
20.0	35.00	
25.0	14.00	1.80
30.0	6.00	
35.0	2.50	
37.0	2.00	

****LIGHT METER RESULTS****

SITE NAME ISLAND VIEW

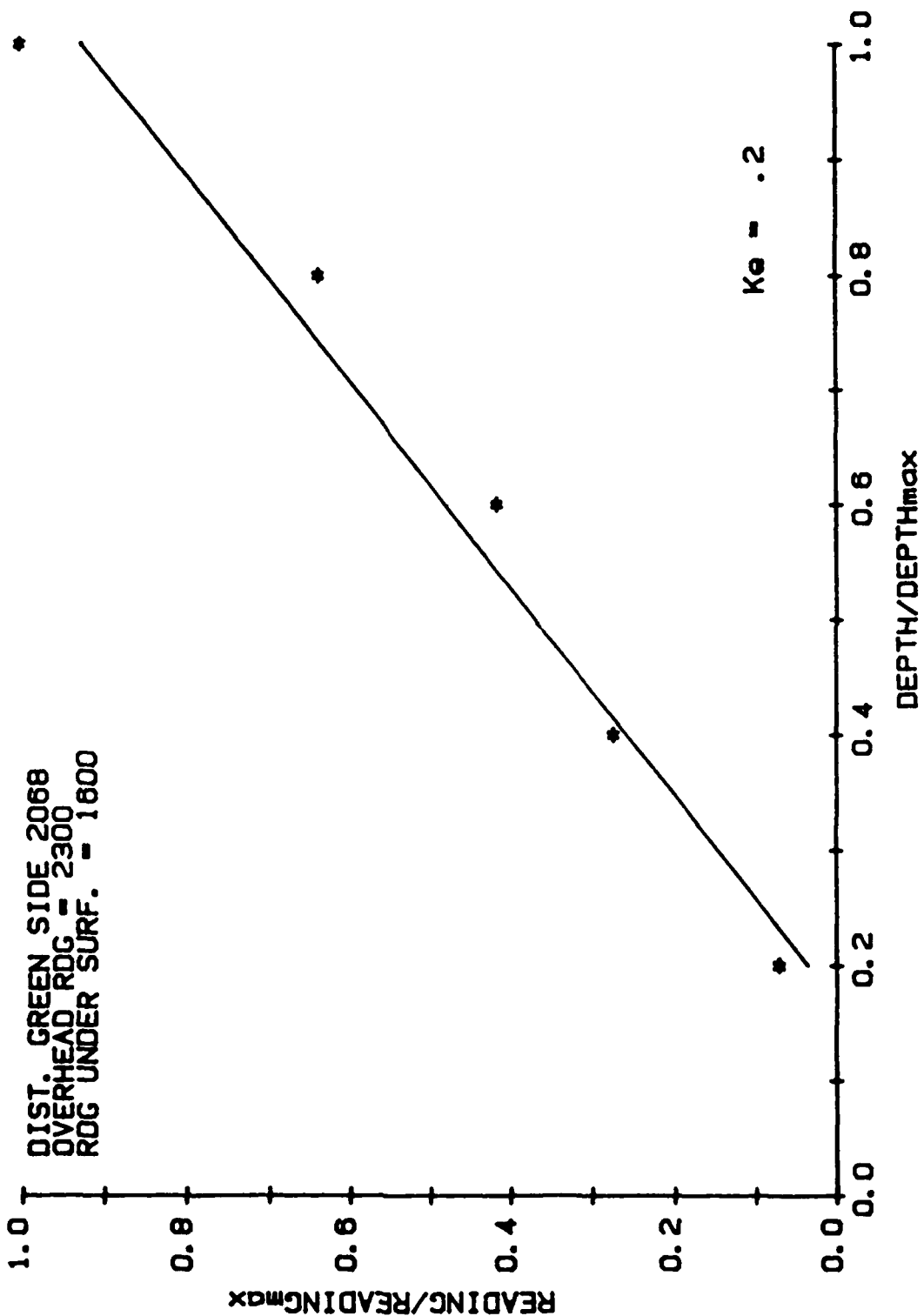
DIST. GREEN SIDE 1000
OVERHEAD ROD = 2200
ROD UNDER SURF. = 1500



LIGHT METER RESULTS

SITE NAME ISLAND VIEW

DIST. GREEN SIDE 2068
OVERHEAD RDG = 2300
RDG UNDER SURF. = 1800



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TURBIDITY READINGS

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SITE NAME NINE MILE

DATE 6/2/85

TOTAL DEPTH AT LOCATION	1	(ft)	5
TOTAL DEPTH AT LOCATION	2	(ft)	35
TOTAL DEPTH AT LOCATION	3	(ft)	37
TOTAL DEPTH AT LOCATION	4	(ft)	4

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	600.0	2.0	2.50
LOCATION 2	2500.0	5.0	1.80
		15.0	1.30
		25.0	1.20
LOCATION 3	4700.0	5.0	1.40
		15.0	1.00
		25.0	1.00
LOCATION 4	5650.0	2.0	3.10

LIGHT METER READINGS

SITE NAME NINE MILE
READING LOCATION (dist. from green side ft) 600

DATE 6/2/85
TIME 1:10 PM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 5

OVERHEAD LIGHT READING 2500

LIGHT READING JUST UNDER WATER SURFACE 2200

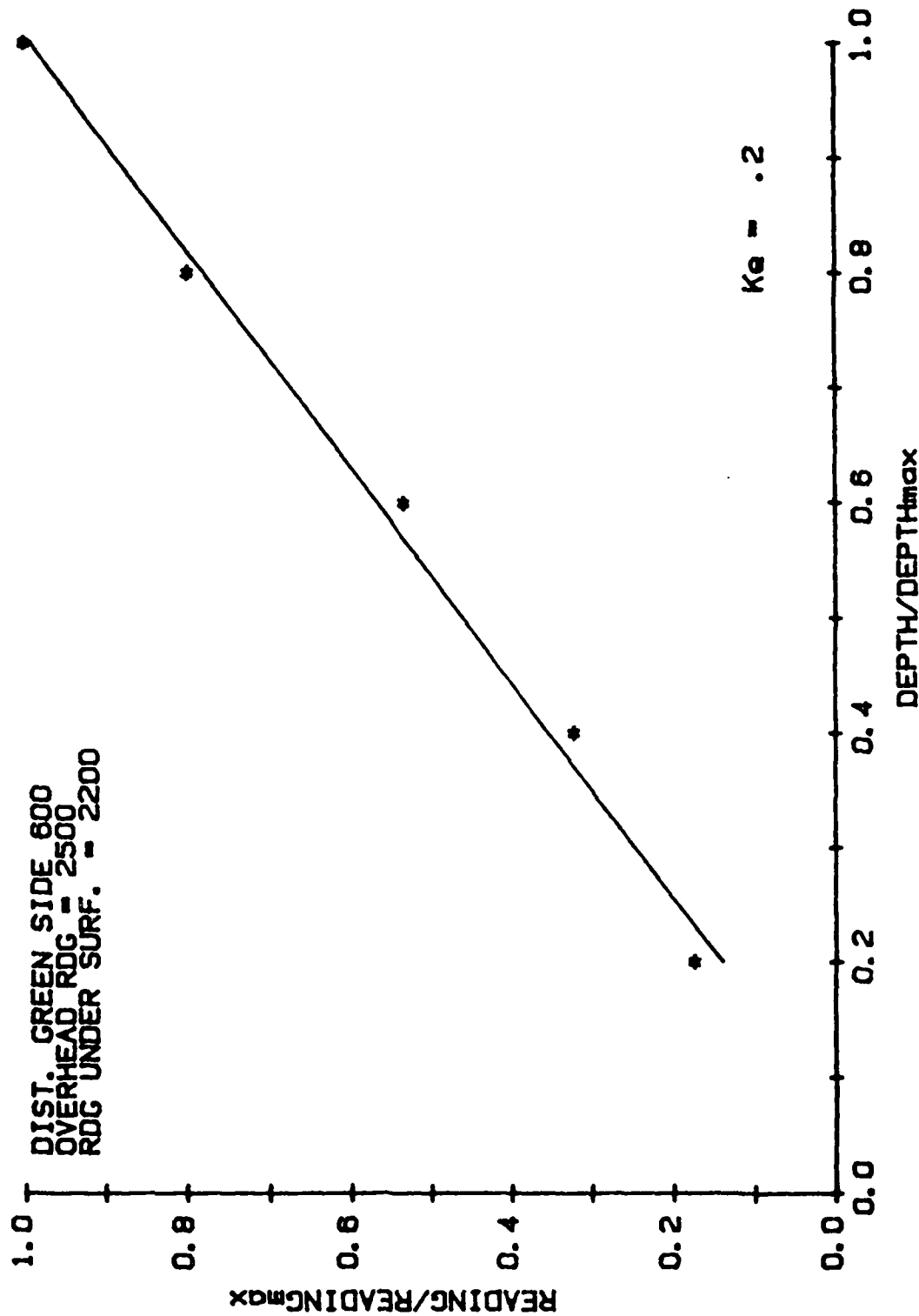
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2200.00	
1.0	1850.00	
2.0	1600.00	
3.0	1300.00	
4.0	1000.00	
5.0	820.00	

2.50

LIGHT METER RESULTS

SITE NAME NINE MILE
DIST. GREEN SIDE 600
OVERHEAD RDG = 2500
RDG UNDER SURF. = 2200

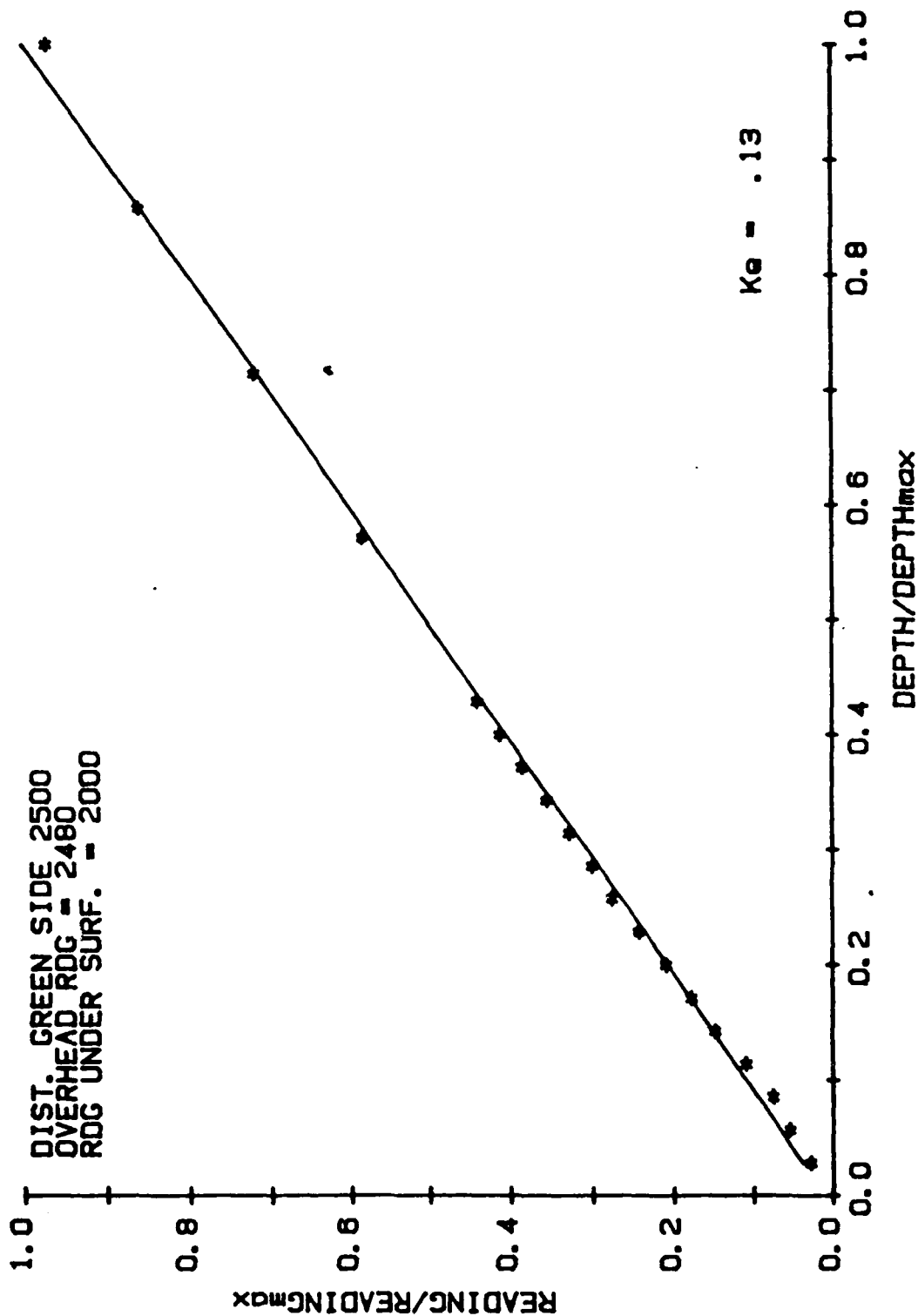


LIGHT METER READINGS

0.0	2000.00	
1.0	1750.00	
2.0	1550.00	
3.0	1400.00	
4.0	1200.00	
5.0	1000.00	1.80
6.0	870.00	
7.0	750.00	
8.0	640.00	
9.0	550.00	
10.0	490.00	
11.0	430.00	
12.0	380.00	
13.0	330.00	
14.0	290.00	
15.0	255.00	1.30
20.0	130.00	
25.0	69.00	1.20
30.0	36.00	
35.0	21.50	

LIGHT METER RESULTS

SITE NAME NINE MILE
DIST. GREEN SIDE 2500
OVERHEAD ROD = 2480
ROD UNDER SURF. = 2000

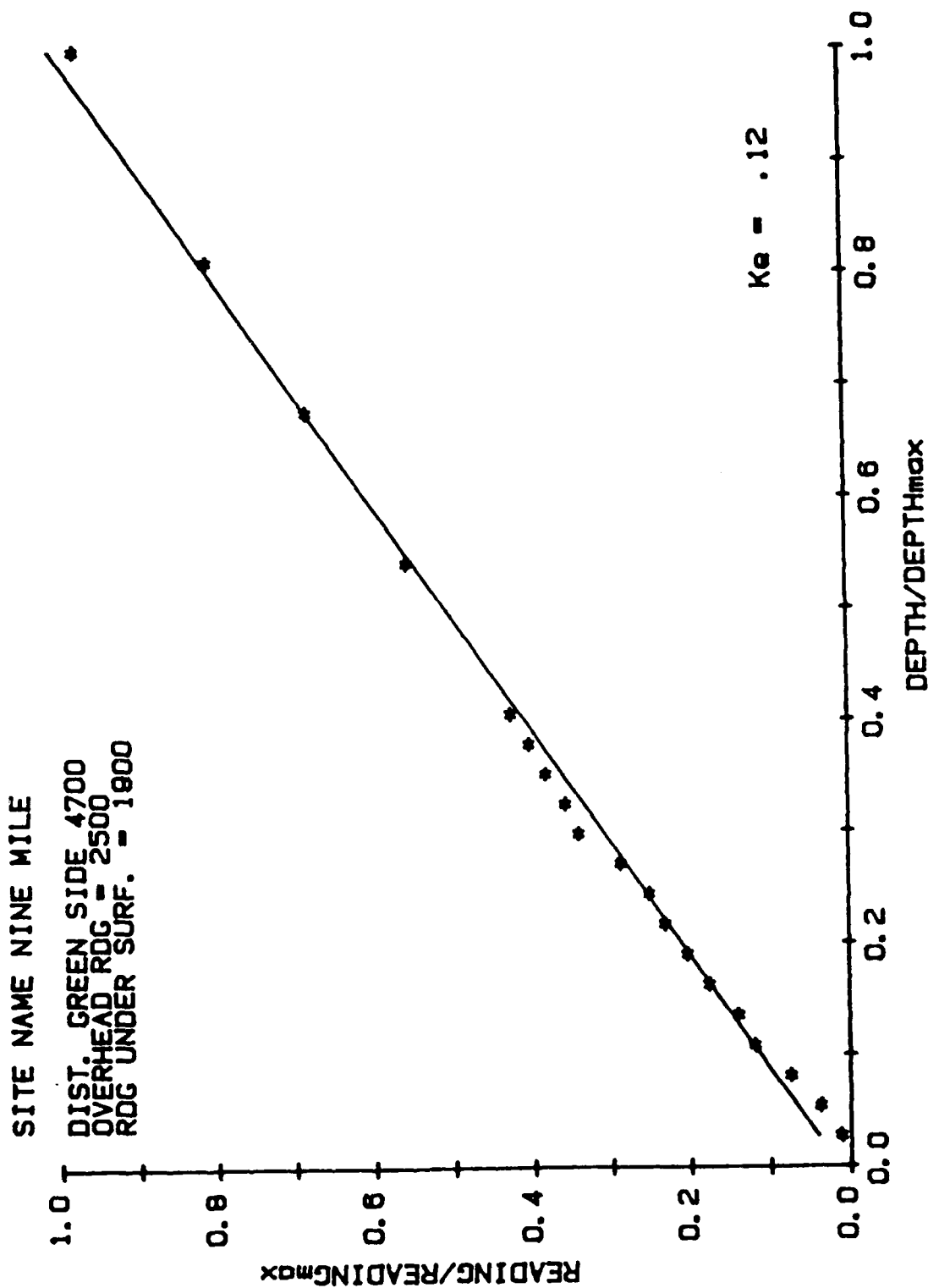


LIGHT METER READINGS

SITE NAME NINE MILE
 READING LOCATION (dist. from green side ft) 4700
 DATE 6/2/85
 TIME 12:50 PM
 SKY WAS CLEAR
 TOTAL DEPTH AT LOCATION (ft) 37
 OVERHEAD LIGHT READING 2500
 LIGHT READING JUST UNDER WATER SURFACE 1900

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
0.0	1900.00	
1.0	1800.00	
2.0	1600.00	
3.0	1350.00	
4.0	1100.00	
5.0	1000.00	1.40
6.0	850.00	
7.0	750.00	
8.0	660.00	
9.0	600.00	
10.0	510.00	
11.0	400.00	
12.0	370.00	
13.0	330.00	
14.0	300.00	
15.0	270.00	1.00
20.0	150.00	
25.0	85.00	1.00
30.0	48.00	
37.0	22.50	

LIGHT METER RESULTS



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LIGHT METER READINGS

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SITE NAME NINE MILE
READING LOCATION (dist. from green side ft) 5650

DATE 6/2/85
TIME 12:40 PM

SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 4

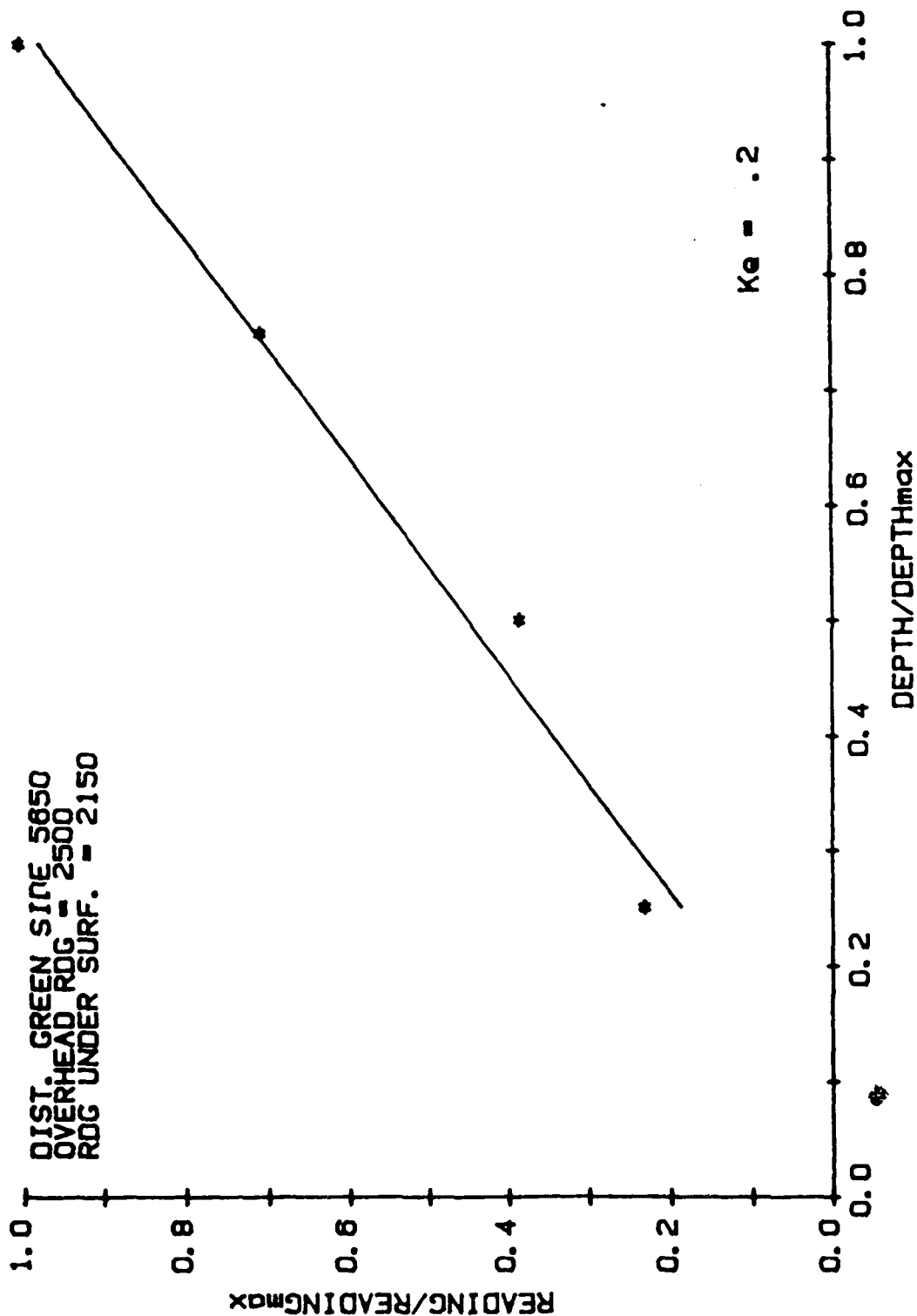
OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 2150

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2150.00	
1.0	1800.00	
2.0	1600.00	3.10
3.0	1250.00	
4.0	1000.00	

LIGHT METER RESULTS

SITE NAME NINE MILE
DIST. GREEN SIDE 5850
OVERHEAD RDG = 2500
RDG UNDER SURF. = 2150



TURBIDITY READINGS

SITE NAME EAST CELL DOCK

DATE 6/2/85

TOTAL DEPTH AT LOCATION	1	(ft)	6
TOTAL DEPTH AT LOCATION	2	(ft)	37
TOTAL DEPTH AT LOCATION	3	(ft)	9.600001
TOTAL DEPTH AT LOCATION	4	(ft)	4.8

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	215.0	2.0	1.80
LOCATION 2	500.0	5.0	2.40
		15.0	2.30
		25.0	2.20
LOCATION 3	2100.0	2.0	4.60
LOCATION 4	2900.0	2.0	3.60

LIGHT METER READINGS

SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 215

DATE 6/2/85
TIME 1:55 PM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 6

OVERHEAD LIGHT READING 2500

LIGHT READING JUST UNDER WATER SURFACE 1300

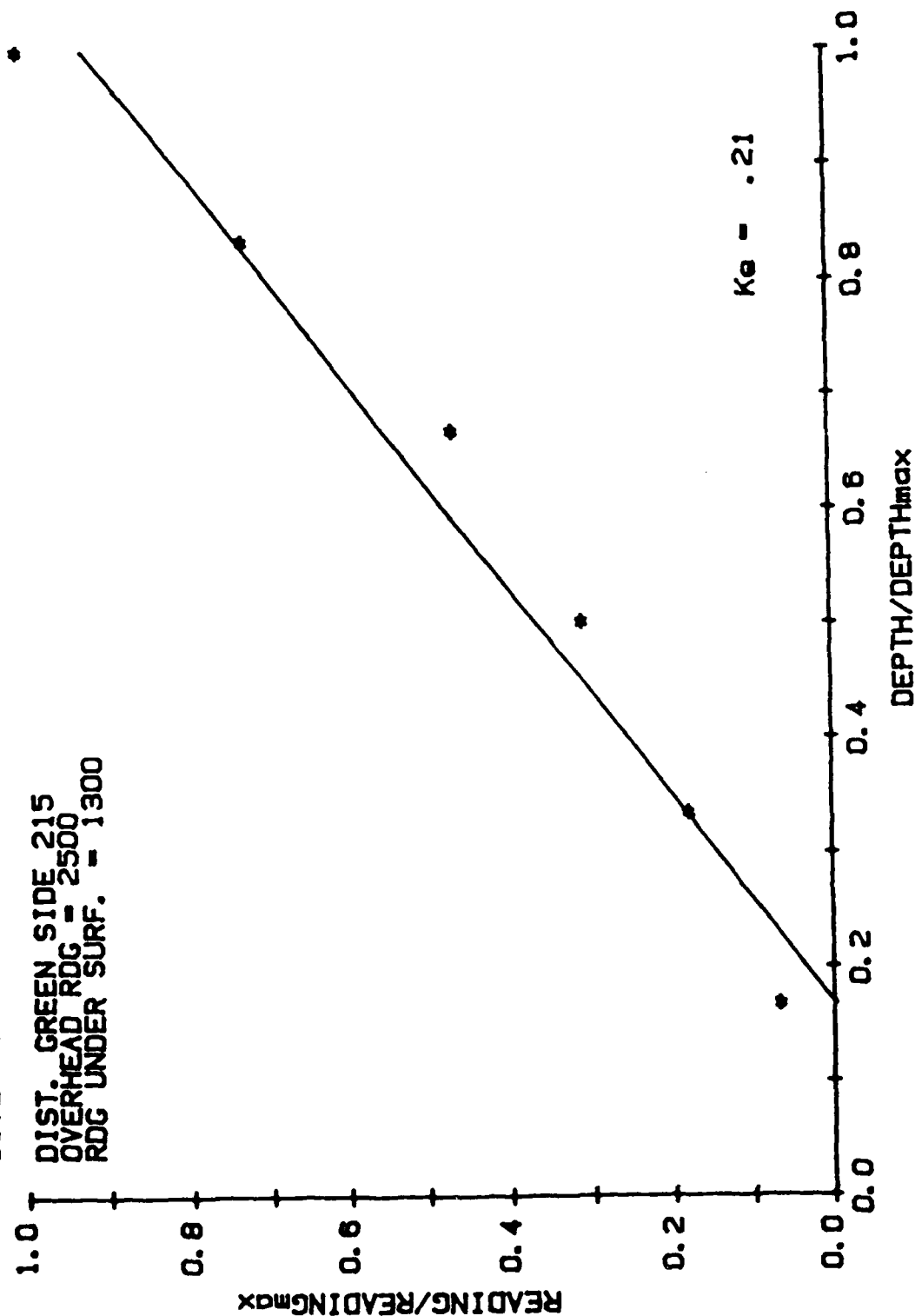
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	1300.00	
1.0	1200.00	
2.0	1050.00	1.80
3.0	900.00	
4.0	750.00	
5.0	550.00	
6.0	400.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 215
OVERHEAD RDG = 2500
RDG UNDER SURF. = 1300



LIGHT METER READINGS

SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 500

DATE 6/2/85
TIME 1:50 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 37

OVERHEAD LIGHT READING 2550
LIGHT READING JUST UNDER WATER SURFACE 2150

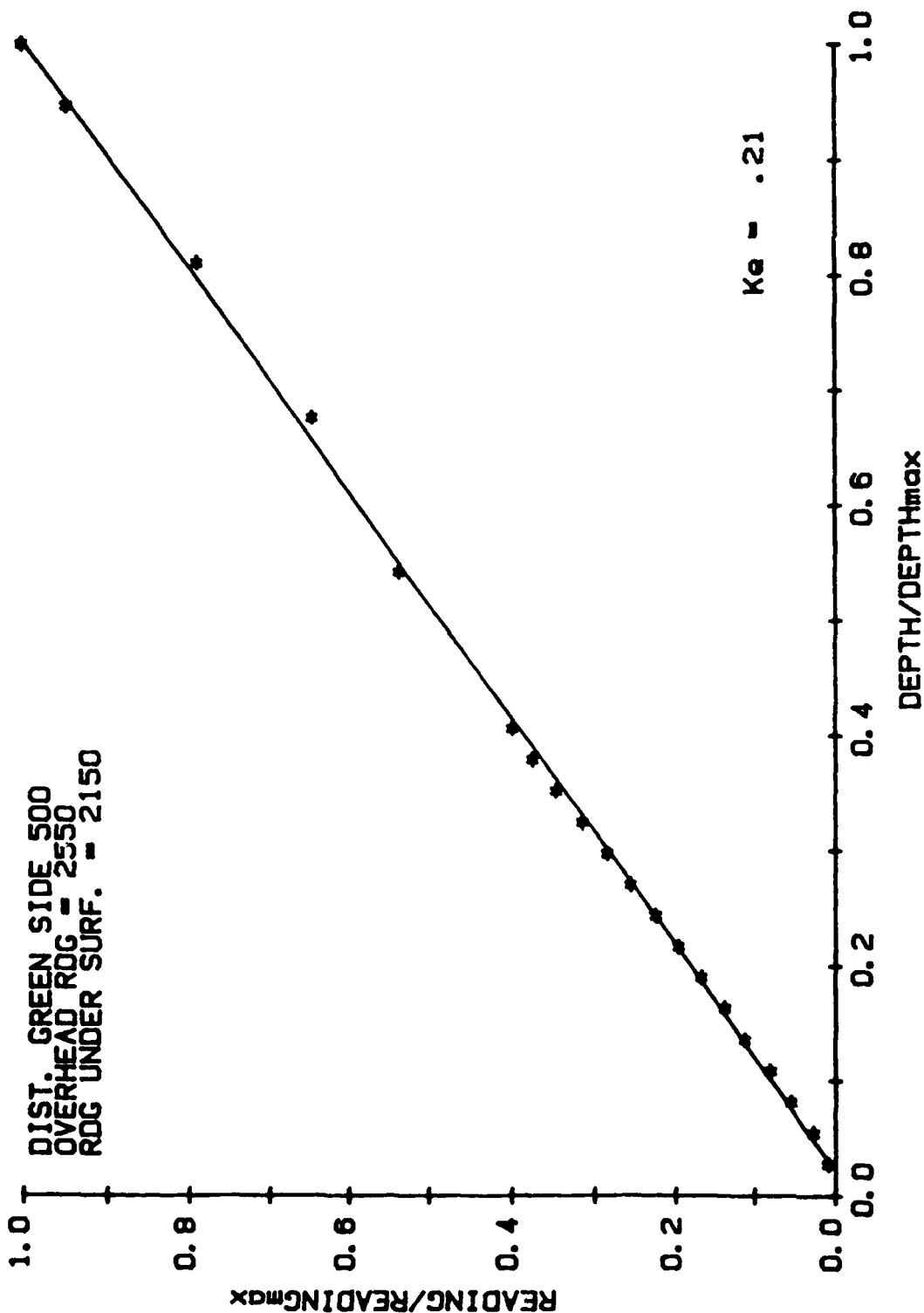
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2150.00	
1.0	2000.00	
2.0	1750.00	
3.0	1400.00	
4.0	1150.00	
5.0	900.00	2.40
6.0	740.00	
7.0	590.00	
8.0	470.00	
9.0	380.00	
10.0	300.00	
11.0	240.00	
12.0	190.00	
13.0	150.00	
14.0	120.00	
15.0	100.00	2.30
20.0	35.00	
25.0	15.00	2.20
30.0	5.00	
35.0	1.50	
37.0	1.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 500
OVERHEAD ROG = 2550
ROG UNDER SURF. = 2150



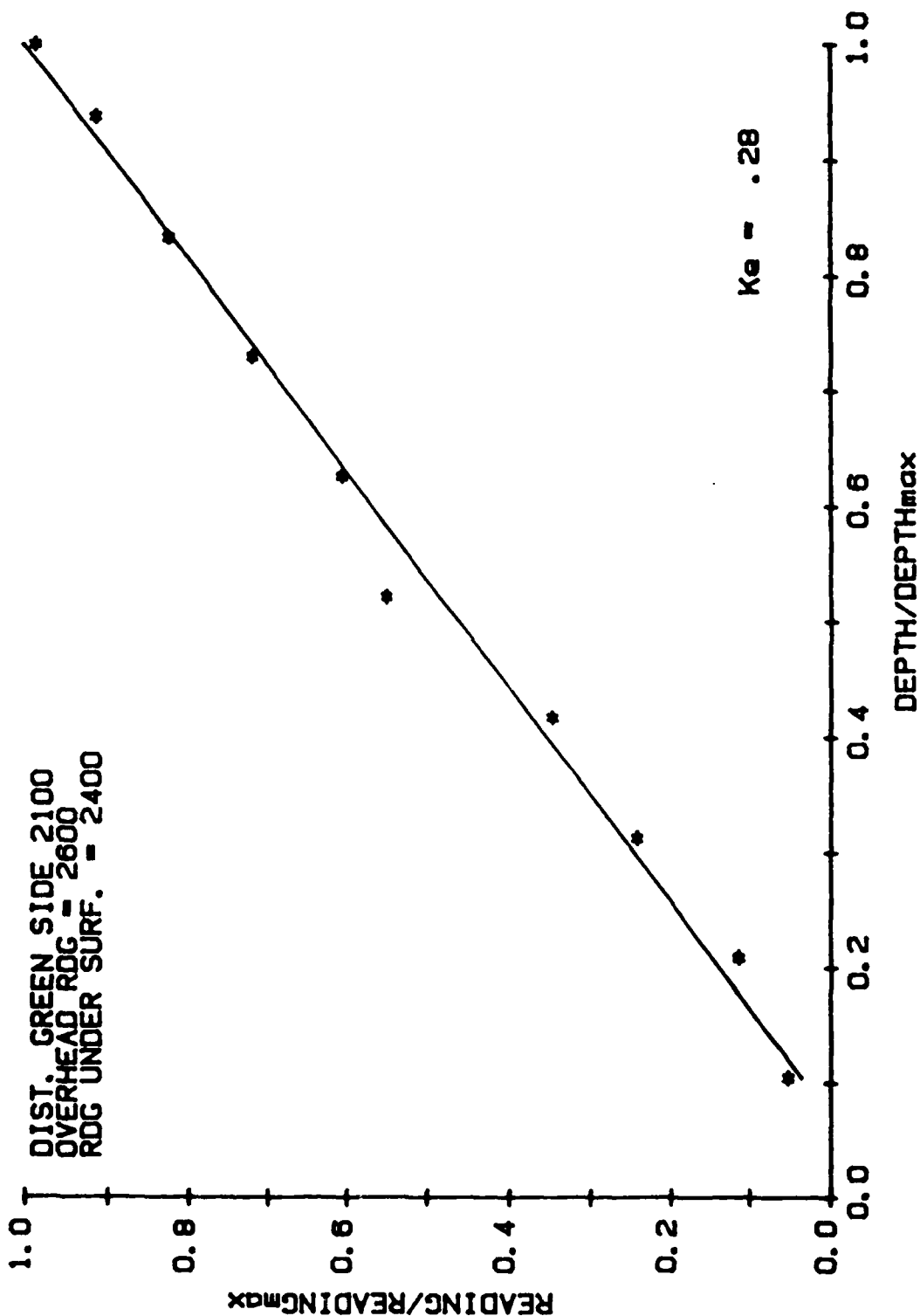
LIGHT METER READINGS

0.0	2400.00	
1.0	2100.00	
2.0	1800.00	4.60
3.0	1300.00	
4.0	1000.00	
5.0	600.00	
6.0	520.00	
7.0	390.00	
8.0	300.00	
9.0	240.00	
9.6	200.00	

****LIGHT METER RESULTS****

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 2100
OVERHEAD RDG = 2600
RDG UNDER SURF. = 2400



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LIGHT METER READINGS

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SITE NAME EAST CELL DOCK
READING LOCATION (dist. from green side ft) 2900

DATE 6/2/85
TIME 1:40 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 4.8

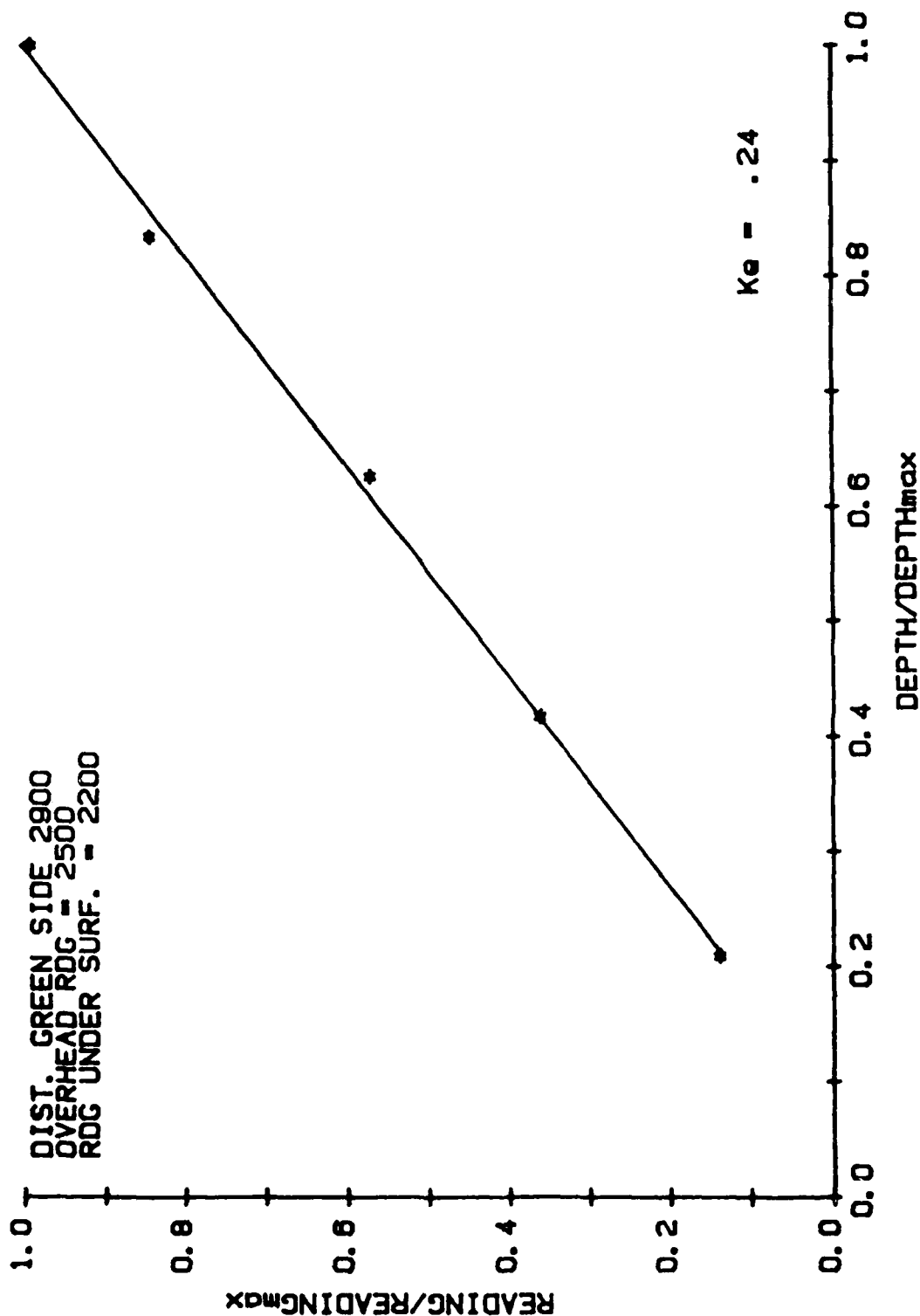
OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 2200

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	2200.00	
1.0	1900.00	
2.0	1500.00	3.60
3.0	1200.00	
4.0	900.00	
4.8	770.00	

LIGHT METER RESULTS

SITE NAME EAST CELL DOCK

DIST. GREEN SIDE 2900
OVERHEAD RDG = 2500
RDG UNDER SURF. = 2200



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TURBIDITY READINGS

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

SITE NAME WEST CELL DOCK

DATE 6/2/85

TOTAL DEPTH AT LOCATION 1 (ft) 9
TOTAL DEPTH AT LOCATION 2 (ft) 35
TOTAL DEPTH AT LOCATION 3 (ft) 29

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	200.0	2.0	1.70
LOCATION 2	695.0	5.0	2.00
		15.0	2.60
		25.0	1.80
LOCATION 3	1290.0	2.0	1.70

LIGHT METER READINGS

SITE NAME WEST CELL DOCK
READING LOCATION (dist. from green side ft) 200

DATE 6/2/85

TIME 2:20 PM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 9

OVERHEAD LIGHT READING 2500

LIGHT READING JUST UNDER WATER SURFACE 2000

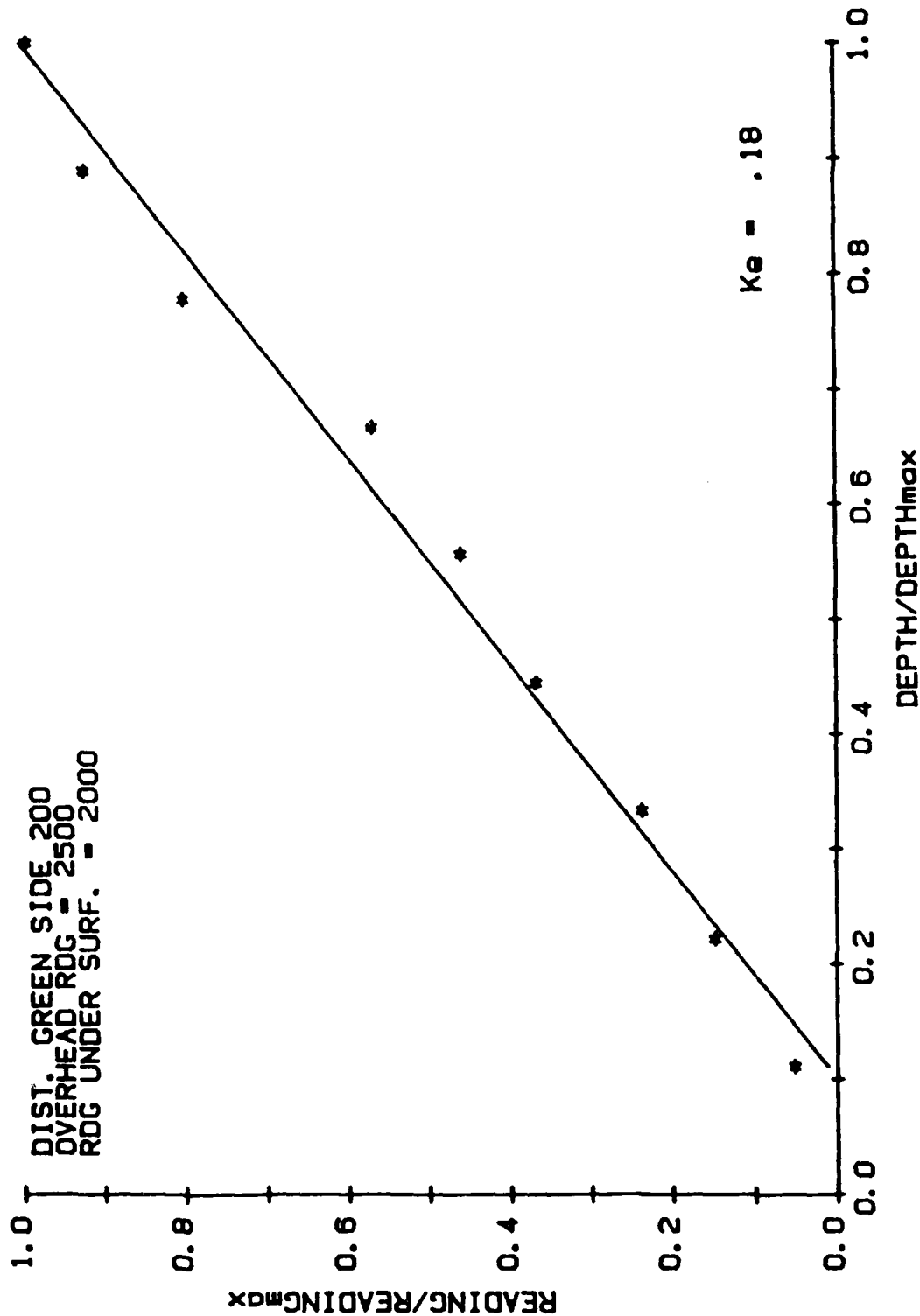
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2000.00	
1.0	1850.00	
2.0	1600.00	1.70
3.0	1400.00	
4.0	1150.00	
5.0	1000.00	
6.0	850.00	
7.0	600.00	
8.0	500.00	
9.0	450.00	

LIGHT METER RESULTS

SITE NAME WEST CELL DOCK

DIST. GREEN SIDE 200
OVERHEAD RDG = 2500
RDG UNDER SURF. = 2000



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LIGHT METER READINGS

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SITE NAME WEST CELL DOCK
READING LOCATION (dist. from green side ft) 695

DATE 6/2/85
TIME 2:10 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 35

OVERHEAD LIGHT READING 2550
LIGHT READING JUST UNDER WATER SURFACE 2100

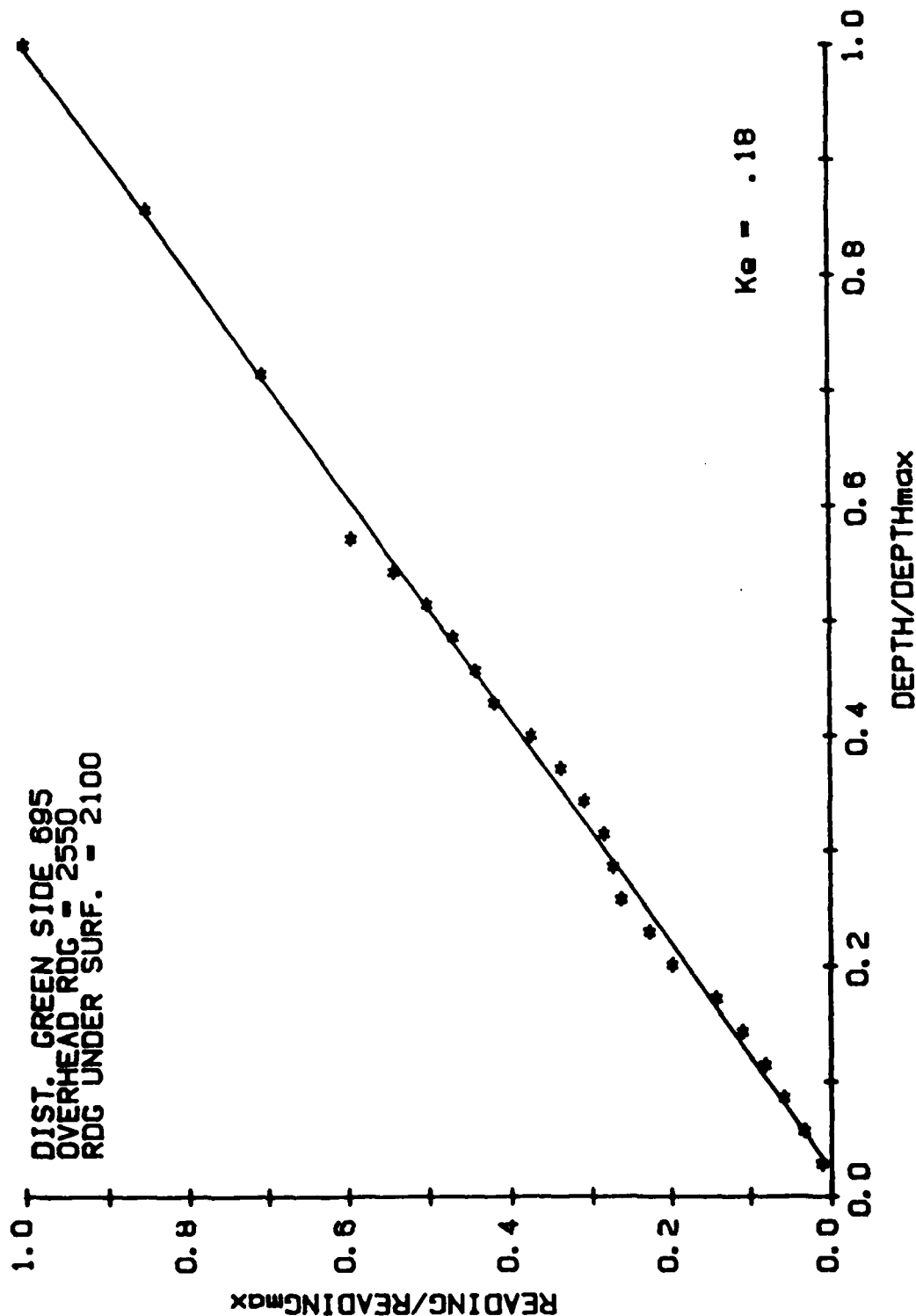
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2100.00	
1.0	1950.00	
2.0	1700.00	
3.0	1450.00	
4.0	1250.00	
5.0	1050.00	2.00
6.0	850.00	
7.0	600.00	
8.0	500.00	
9.0	400.00	
10.0	375.00	
11.0	350.00	
12.0	300.00	
13.0	250.00	
14.0	200.00	
15.0	150.00	2.60
16.0	130.00	
17.0	110.00	
18.0	90.00	
19.0	70.00	
20.0	50.00	
25.0	25.00	1.80
30.0	10.00	
35.0	4.00	

****LIGHT METER RESULTS****

SITE NAME WEST CELL DOCK

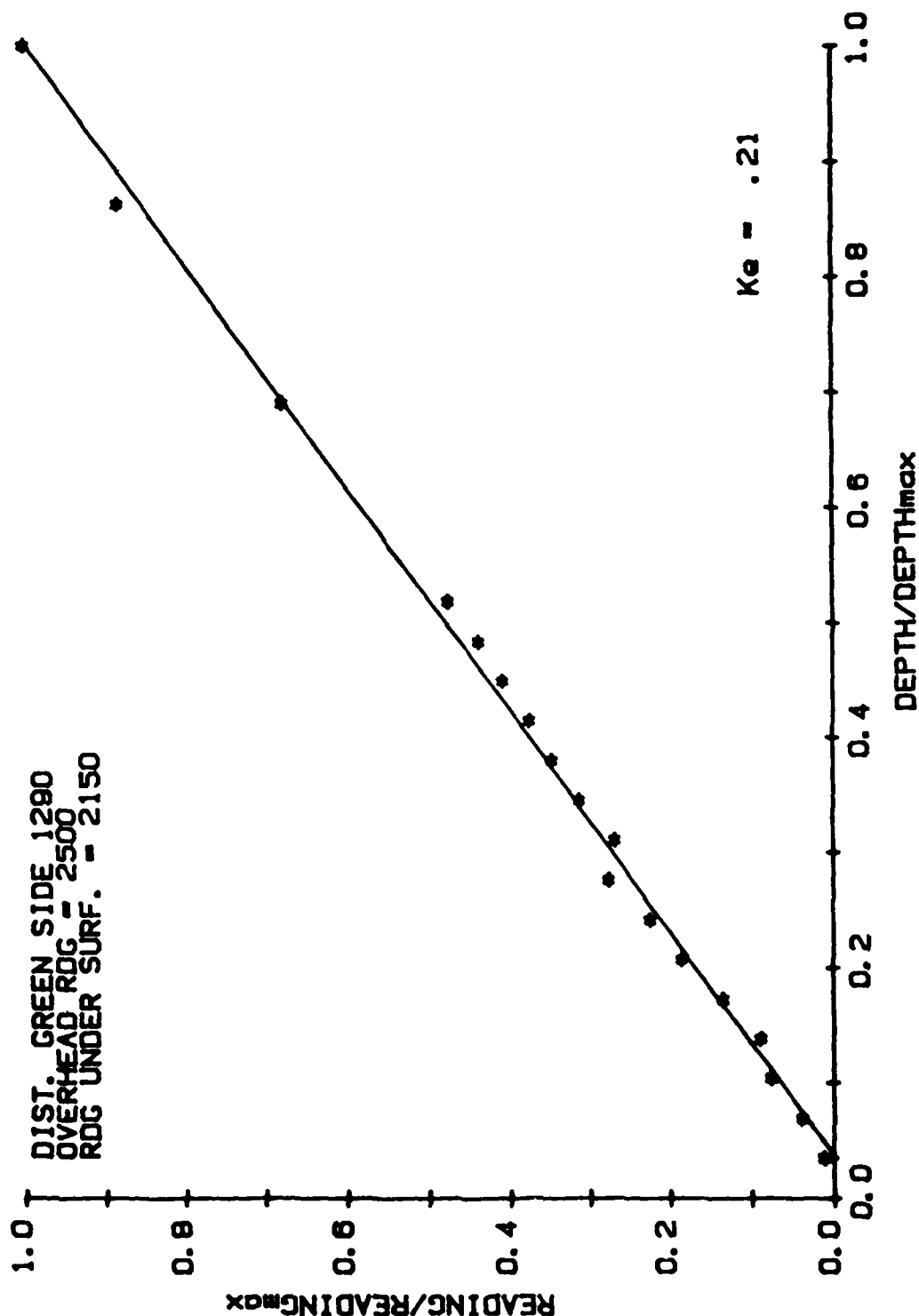
DIST. GREEN SIDE 695
OVERHEAD RDG = 2550
RDG UNDER SURF. = 2100



LIGHT METER RESULTS

SITE NAME WEST CELL DOCK

DIST. GREEN SIDE 1290
OVERHEAD ROD - 2500
ROD UNDER SURF. - 2150



TURBIDITY READINGS

SITE NAME MOON ISLAND

DATE 6/2/85

TOTAL DEPTH AT LOCATION 1 (ft) 7
TOTAL DEPTH AT LOCATION 2 (ft) 37
TOTAL DEPTH AT LOCATION 3 (ft) 7

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	200.0	2.0	7.20
LOCATION 2	900.0	10.0	2.60
		15.0	3.80
LOCATION 3	1175.0	2.0	25.00
		5.0	22.00

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LIGHT METER READINGS

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SITE NAME MOON ISLAND
READING LOCATION (dist. from green side ft) 200

DATE 6/2/85
TIME 3:50 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 7

OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 2100

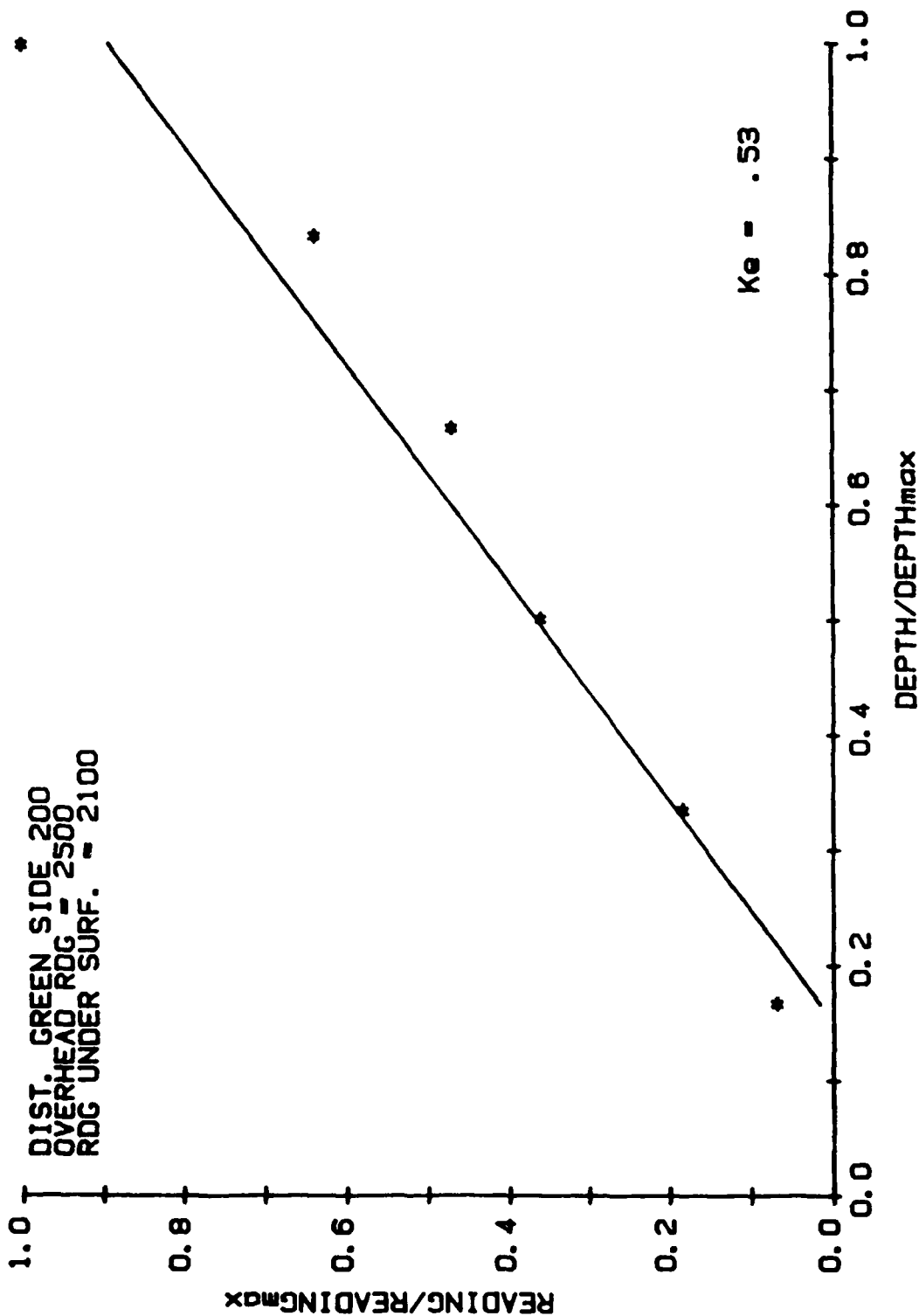
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2100.00	
1.0	1700.00	
2.0	1200.00	7.20
3.0	700.00	
4.0	500.00	
5.0	300.00	
6.0	100.00	

LIGHT METER RESULTS

SITE NAME MOON ISLAND

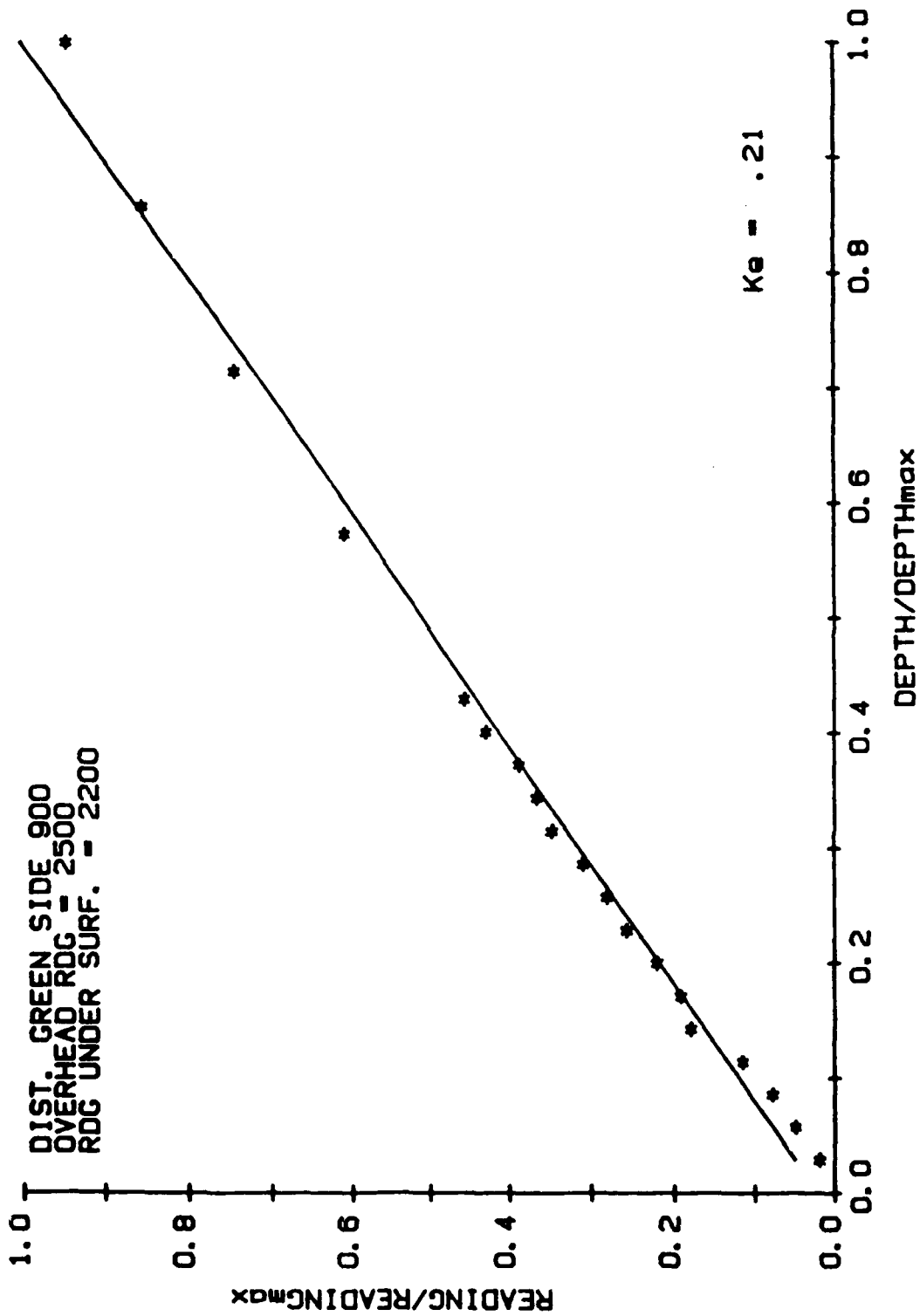
DIST. GREEN SIDE 200
OVERHEAD RDG = 2500
RDG UNDER SURF. = 2100



LIGHT METER RESULTS

SITE NAME MOON ISLAND

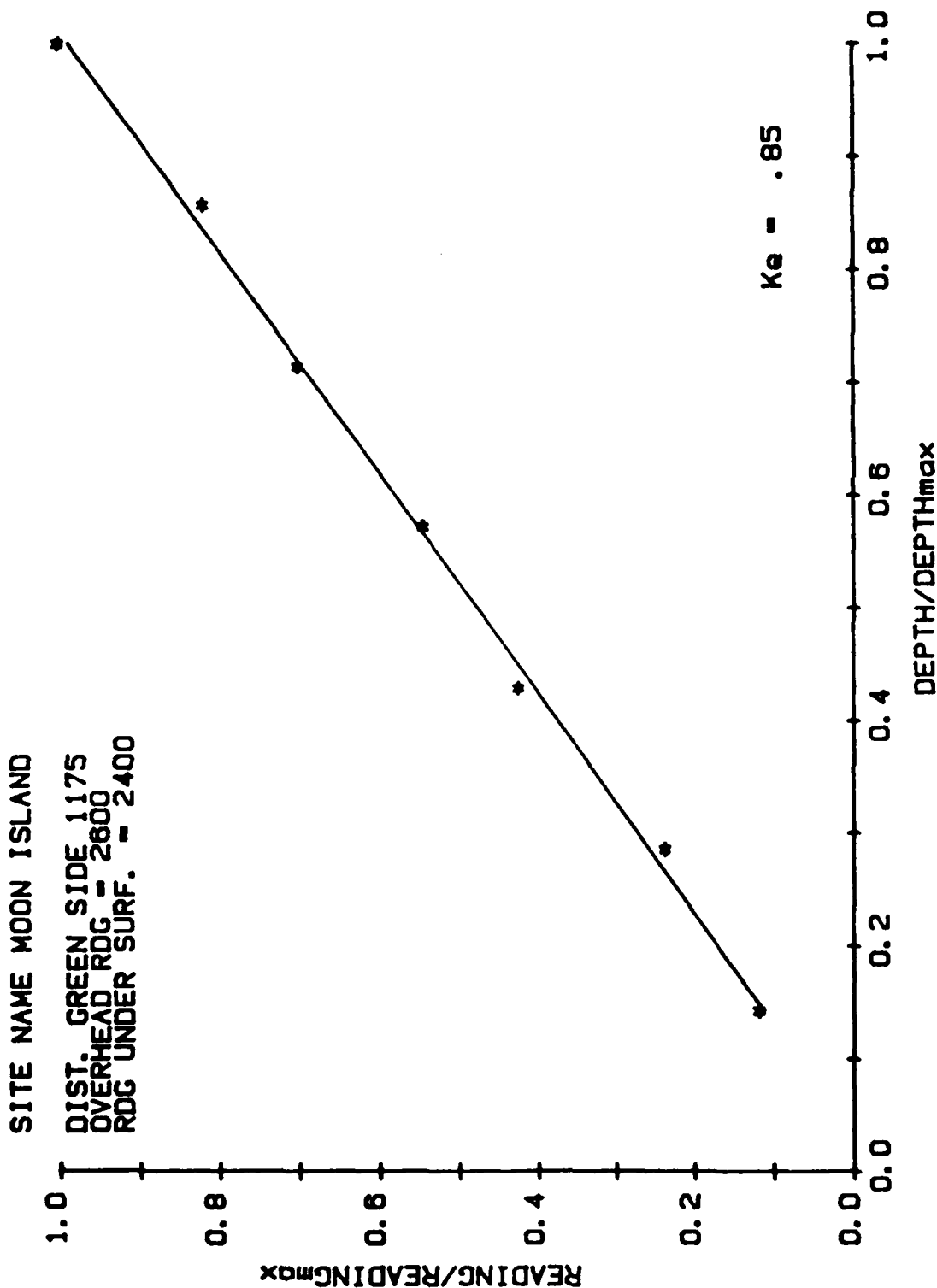
DIST. GREEN SIDE 900
OVERHEAD RDG - 2500
RDG UNDER SURF. - 2200



LIGHT METER READINGS

0.0	2400.00	
1.0	1200.00	
2.0	600.00	25.00
3.0	200.00	
4.0	100.00	
5.0	40.00	22.00
6.0	20.00	
7.0	7.00	

LIGHT METER RESULTS



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TURBIDITY READINGS

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SITE NAME LAKE MUNUSCONG

DATE 6/2/85

TOTAL DEPTH AT LOCATION 1 (ft) 6
TOTAL DEPTH AT LOCATION 2 (ft) 9
TOTAL DEPTH AT LOCATION 3 (ft) 11

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	500.0	2.0	4.20
LOCATION 2	1000.0	2.0	4.80
LOCATION 3	1500.0	2.0	3.50

LIGHT METER READINGS

SITE NAME LAKE MUNUSCONG
READING LOCATION (dist. from green side ft) 1500

DATE 5/2/85
TIME 3:40 PM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 11

OVERHEAD LIGHT READING 2500

LIGHT READING JUST UNDER WATER SURFACE 2000

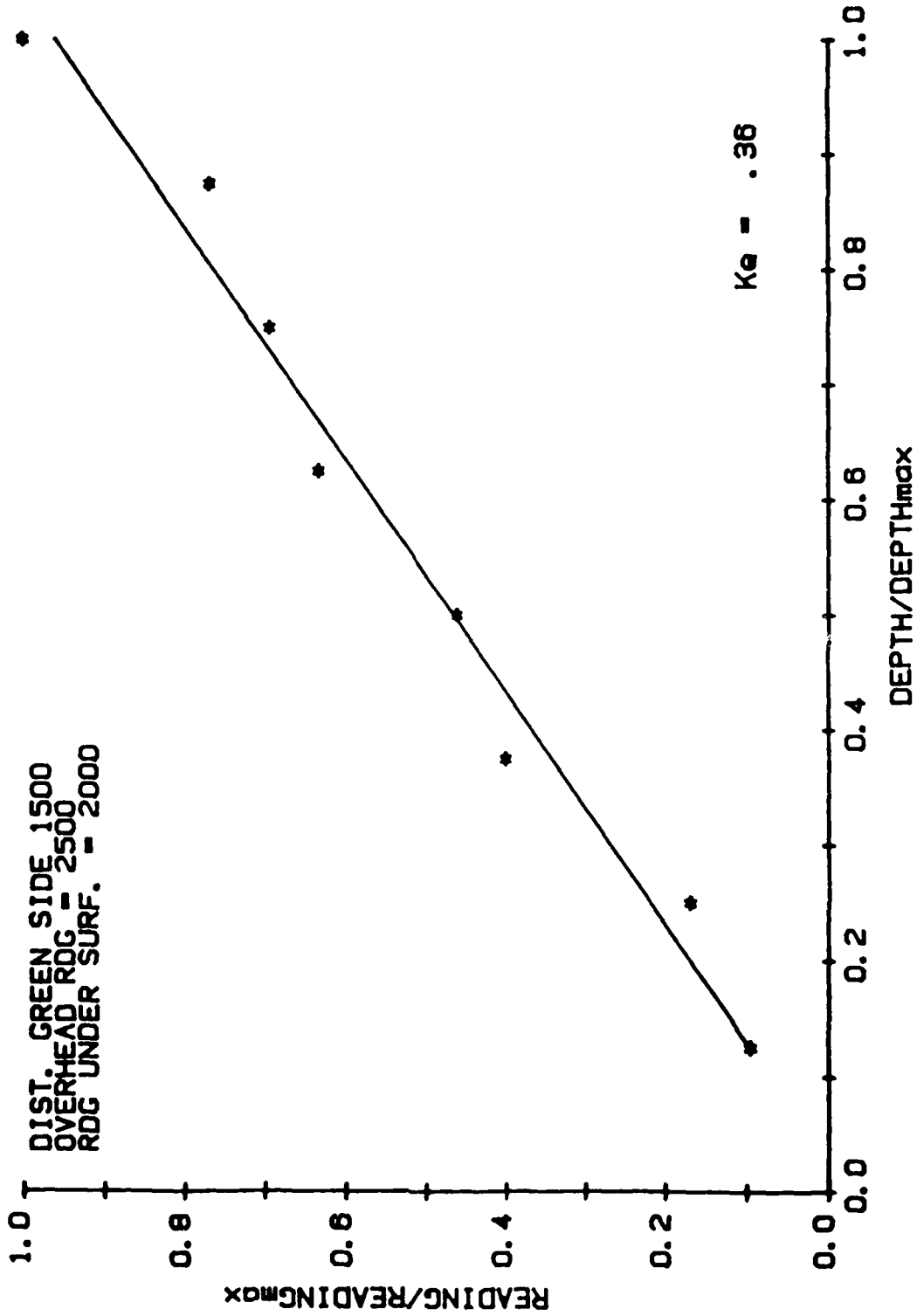
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2000.00	
1.0	1500.00	
2.0	1200.00	3.50
3.0	600.00	
4.0	500.00	
5.0	300.00	
6.0	250.00	
7.0	200.00	
8.0	100.00	

LIGHT METER RESULTS

SITE NAME LAKE MUNUSCONG

DIST. GREEN SIDE 1500
OVERHEAD ROD = 2500
ROD UNDER SURF. = 2000



TURBIDITY READINGS

DATE 6/2/85

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE A

DATE 6/2/85
TIME 2:30 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 9.5

OVERHEAD LIGHT READING 2600
LIGHT READING JUST UNDER WATER SURFACE 2050

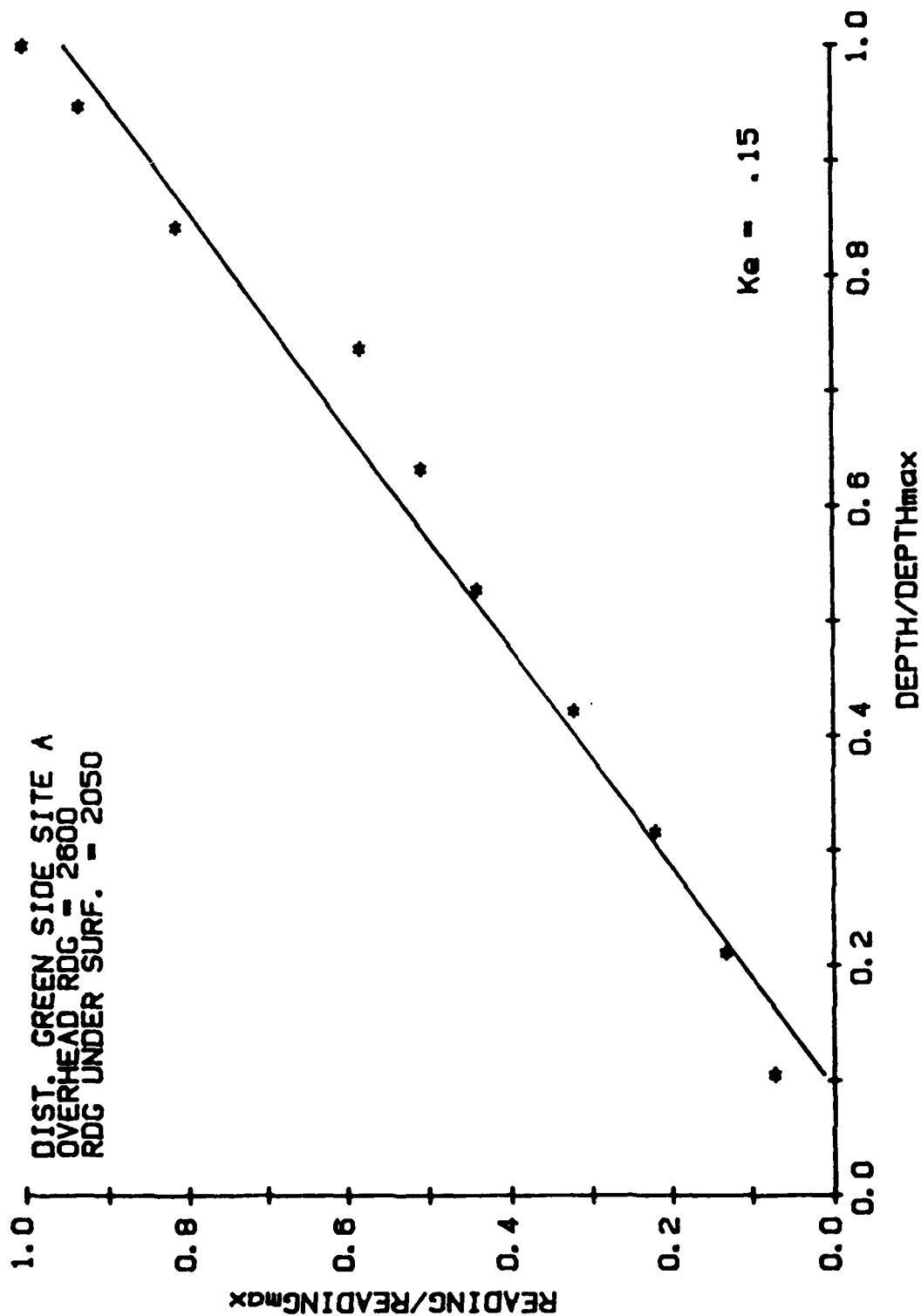
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2050.00	
1.0	1850.00	
2.0	1700.00	1.50
3.0	1500.00	
4.0	1300.00	
5.0	1100.00	
6.0	1000.00	
7.0	900.00	
8.0	650.00	
9.0	550.00	
9.5	500.00	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE A
OVERHEAD RDG = 2600
RDG UNDER SURF. = 2050



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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE B

DATE 6/2/85
TIME 2:38 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 8

OVERHEAD LIGHT READING 2650
LIGHT READING JUST UNDER WATER SURFACE 2100

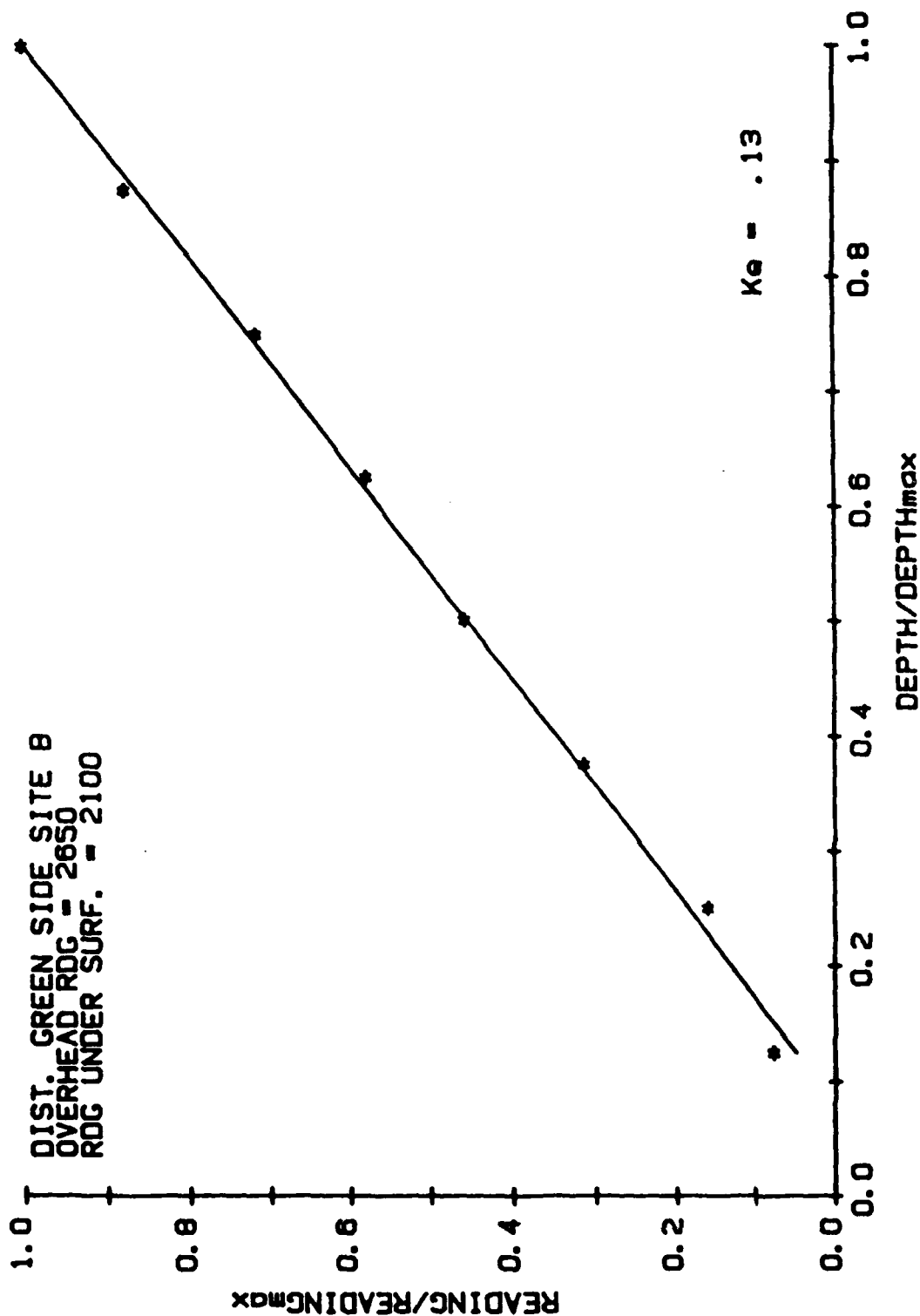
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2100.00	
1.0	1950.00	
2.0	1800.00	1.40
3.0	1550.00	
4.0	1350.00	
5.0	1200.00	
6.0	1050.00	
7.0	900.00	
8.0	800.00	

****LIGHT METER RESULTS****

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE B
OVERHEAD RDG = 2650
RDG UNDER SURF. = 2100



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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE C

DATE 6/2/85

TIME 2:45 PM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 8

OVERHEAD LIGHT READING 2900

LIGHT READING JUST UNDER WATER SURFACE 2400

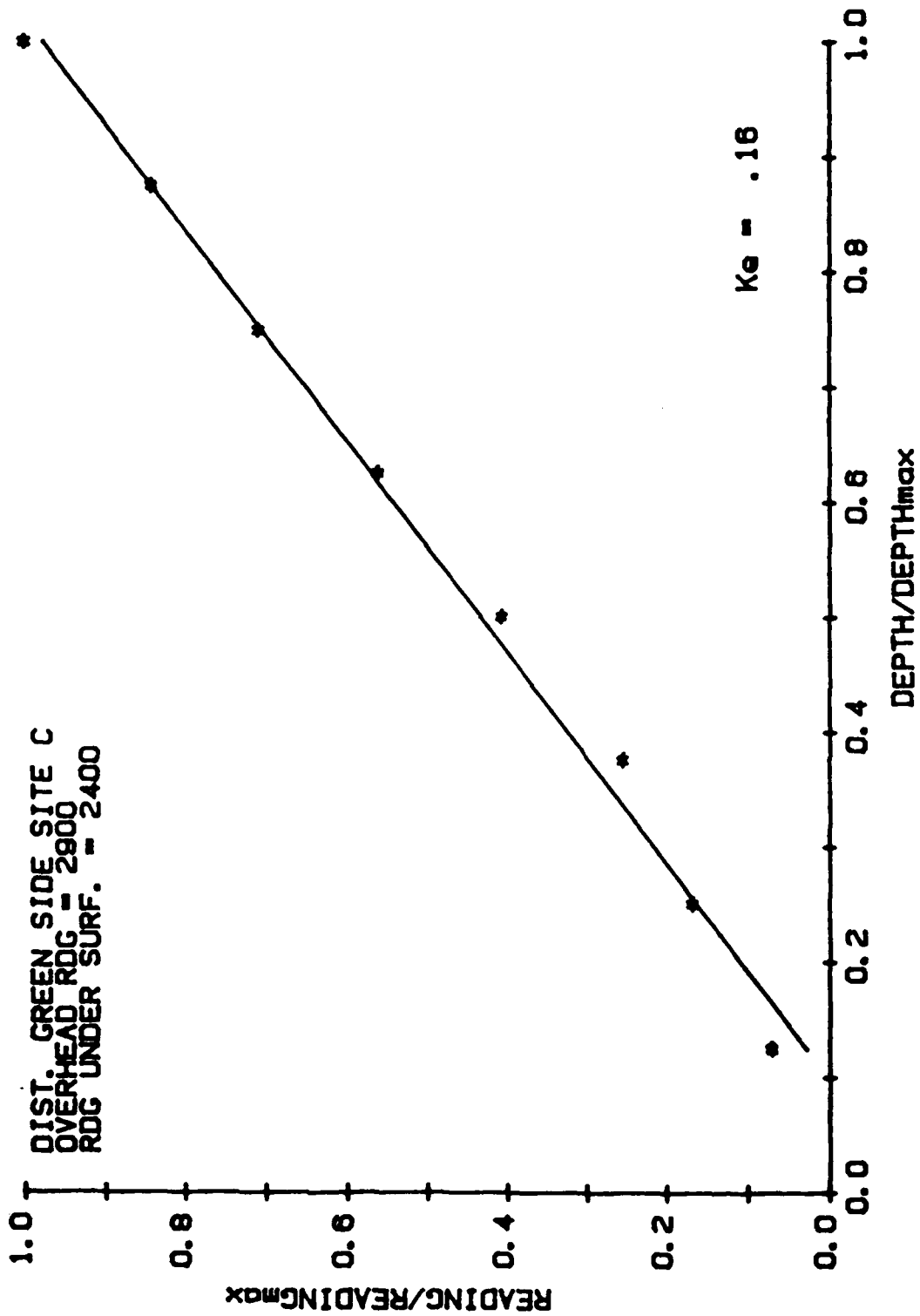
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2400.00	
1.0	2200.00	
2.0	1950.00	1.80
3.0	1750.00	
4.0	1450.00	
5.0	1200.00	
6.0	1000.00	
7.0	850.00	
8.0	700.00	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE C
OVERHEAD ROD = 2900
ROD UNDER SURF. = 2400



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LIGHT METER READINGS

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SITE NAME LAKE NICOLET
READING LOCATION (dist. from green side ft) SITE D

DATE 6/2/85
TIME 2:50 PM
SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 5.3

OVERHEAD LIGHT READING 2950
LIGHT READING JUST UNDER WATER SURFACE 2500

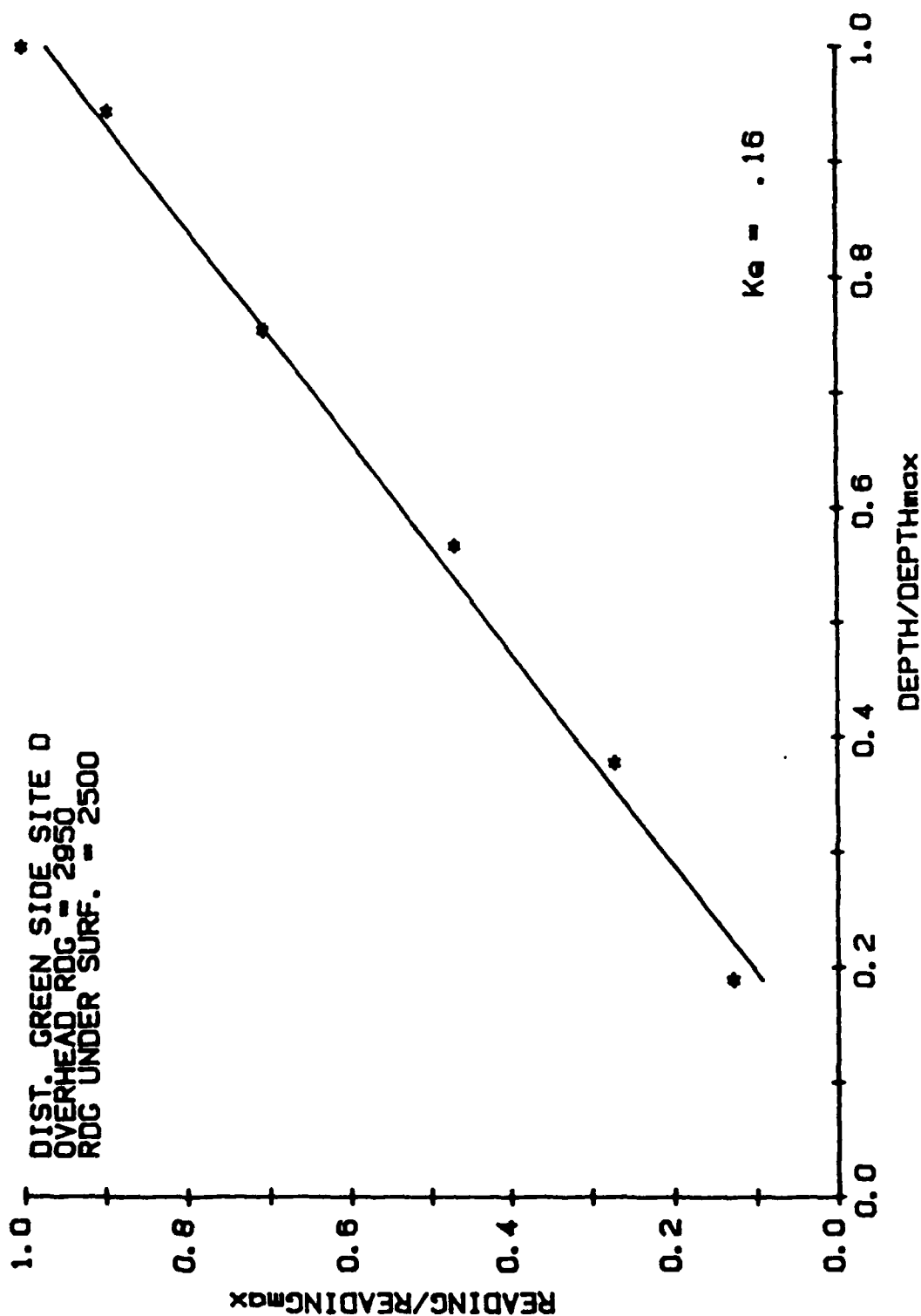
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2500.00	
1.0	2250.00	
2.0	2000.00	2.40
3.0	1700.00	
4.0	1400.00	
5.0	1200.00	
5.3	1100.00	

LIGHT METER RESULTS

SITE NAME LAKE NICOLET

DIST. GREEN SIDE SITE D
OVERHEAD RDG = 2950
RDG UNDER SURF. = 2500



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TURBIDITY READINGS

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SITE NAME CHARLOTTE RIVER

DATE 6/2/85

TOTAL DEPTH AT LOCATION 1 (ft) 6.5
TOTAL DEPTH AT LOCATION 2 (ft) 8
TOTAL DEPTH AT LOCATION 3 (ft) 5

ALL DISTANCES ARE FROM THE GREEN SIDE BASELINE

	DIST. TO *** SAMPLE(ft) ***	DEPTH OF *** SAMPLE ***	TURBIDITY *** (JTU) ***
LOCATION 1	1.0		
		2.0	5.10
LOCATION 2	2.0		
		2.0	32.00
LOCATION 3	3.0		
		2.0	4.60

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LIGHT METER READINGS

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SITE NAME CHARLOTTE RIVER
READING LOCATION (dist. from green side ft)
500' OFFSHORE 1000' DOWNRIVER OF MOUTH

DATE 6/2/85
TIME 3:25 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 6.5

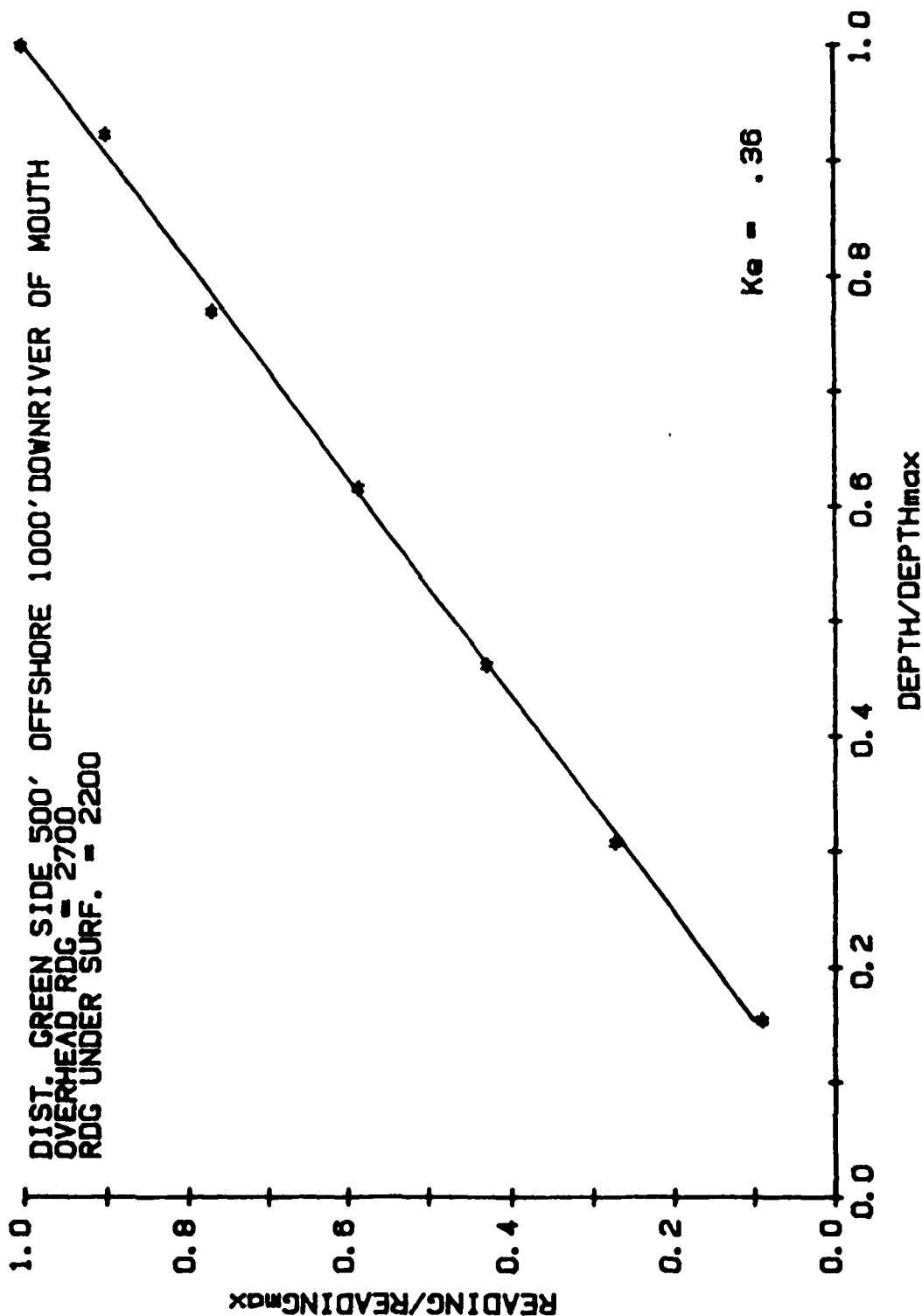
OVERHEAD LIGHT READING 2700
LIGHT READING JUST UNDER WATER SURFACE 2200

DEPTH OF *** READING(ft) ***	LIGHT METER *** READING ***	TURBIDITY *** (JTU) ***
0.0	2200.00	
1.0	1800.00	
2.0	1200.00	5.10
3.0	850.00	
4.0	600.00	
5.0	400.00	
6.0	300.00	
6.5	240.00	

LIGHT METER RESULTS

SITE NAME CHARLOTTE RIVER

DIST. GREEN SIDE 500' OFFSHORE 1000' DOWN RIVER OF MOUTH
OVERHEAD RDG = 2700
RDG UNDER SURF. = 2200



LIGHT METER READINGS

SITE NAME CHARLOTTE RIVER
READING LOCATION (dist. from green side ft) 200' DOWN fr BRIDGE

DATE 6/2/85
TIME 1:25 PM

SKY WAS CLEAR

TOTAL DEPTH AT LOCATION (ft) 8

OVERHEAD LIGHT READING 2300

LIGHT READING JUST UNDER WATER SURFACE 2000

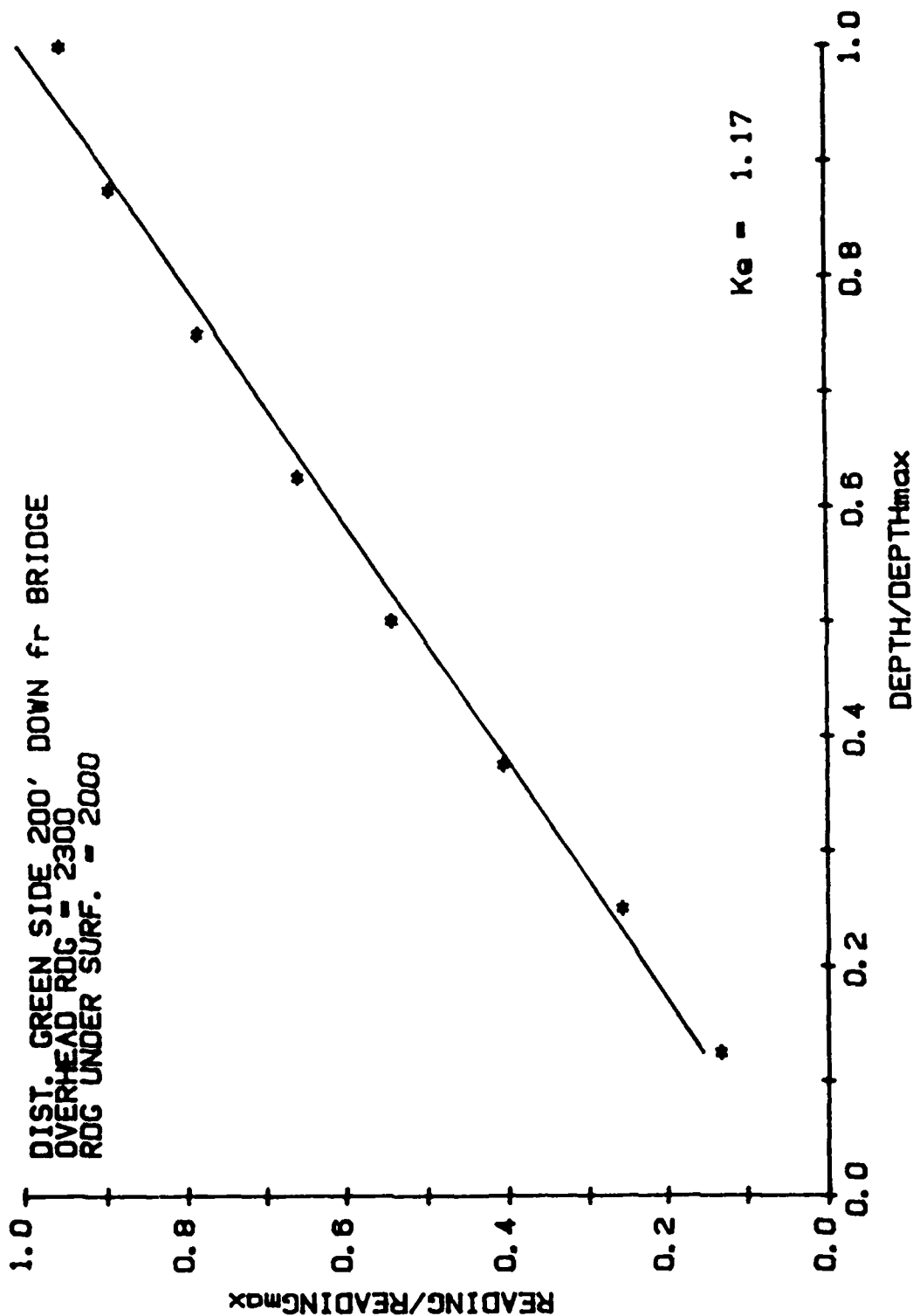
DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***

0.0	2000.00	
1.0	550.00	
2.0	165.00	32.00
3.0	39.00	
4.0	10.50	
5.0	3.40	
6.0	1.00	
7.0	0.35	
8.0	0.20	

LIGHT METER RESULTS

SITE NAME CHARLOTTE RIVER

DIST. GREEN SIDE 200' DOWN fr BRIDGE
OVERHEAD ROD = 2300
ROD UNDER SURF. = 2000



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LIGHT METER READINGS

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SITE NAME CHARLOTTE RIVER
READING LOCATION (dist. from green side ft)
200' OFFSHORE 300' UPRIVER OF MOUTH

DATE 6/2/85
TIME 1:30 PM
SKY WAS CLEAR
TOTAL DEPTH AT LOCATION (ft) 5

OVERHEAD LIGHT READING 2500
LIGHT READING JUST UNDER WATER SURFACE 1800

DEPTH OF	LIGHT METER	TURBIDITY
*** READING(ft) ***	*** READING ***	*** (JTU) ***
0.0	1800.00	
1.0	1100.00	
2.0	1000.00	4.60
3.0	750.00	
4.0	550.00	
5.0	440.00	

LIGHT METER RESULTS

SITE NAME CHARLOTTE RIVER

DIST. GREEN SIDE 200' OFFSHORE 300' UPRIVER OF MOUTH
OVERHEAD RDG = 2500
RDG UNDER SURF. = 1800

