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 AUTH. NAME AUTHOR AFFILIATION
 SAGER, D.A. Florida Power & Light Co.
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SUBJECT: Forwards results of beach survey procedure & reduction of field survey data, per TS 4.7.6.1.1.

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JUL 03 1990
L-90-246
10 CFR 50.36

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Beach Survey

In accordance with Technical Specification Surveillance Requirement 4.7.6.1.1, the field survey for the St. Lucie Plant Beach Survey Procedure was completed May 29, 1990 and the reduction of the field survey data was completed on June 15, 1990. The results of the survey procedure are attached. Also attached is a figure which locates the survey with respect to plant features.

The survey showed the following (data in feet):

	<u>Min.</u>	<u>Avg.</u>	<u>Max.</u>
Width at dune crest elevation:	12	31	53
Crest elevation (MSL Ocean):	12.98	15.45	18.07
Width of dune at elevation of Old Dune Road:	36	99.60	214

Since the average values of these survey results are greater than or within the range of those provided in the St. Lucie Unit 1 Updated Final Safety Analysis Report (UFSAR), Section 2.4.2.2, it is concluded that the dune condition is acceptable according to the criteria in St. Lucie Unit 1 Technical Specification 5.1.3.

If there should be any questions on this subject, please contact us.

Very truly yours,

DA Sager
D. A. Sager
Vice President
St. Lucie Plant

DAS:JWH:kw

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

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ST. LUCIE SITE - DUNE SURVEY
MAY 29, THROUGH JUNE 15, 1990

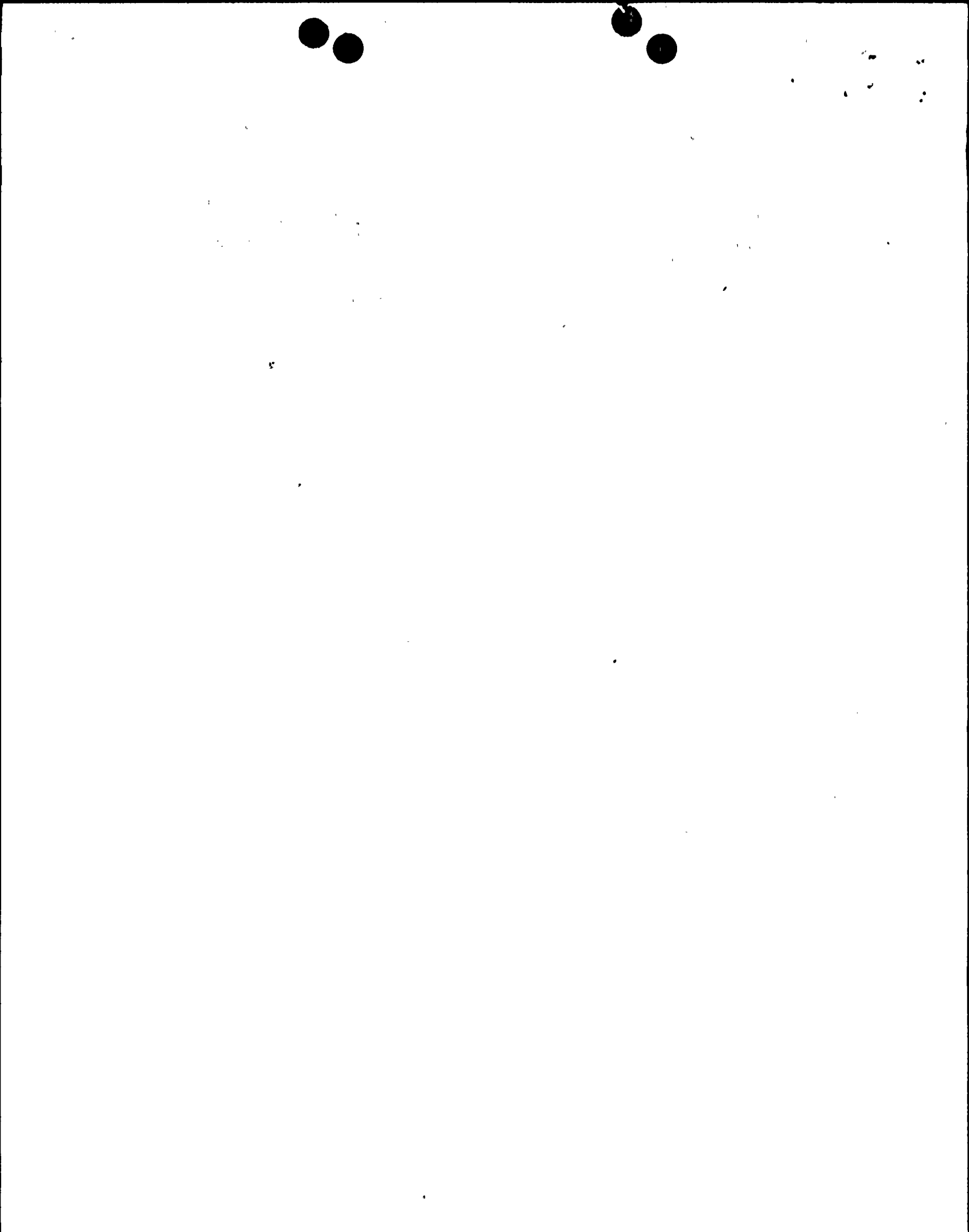
REF. NO.	CREST ELEVATION ABOVE MSL (FT.)	DUNE WIDTH AT CREST ELEVATION (FT.) (*)	WIDTH OF OLD DUNE ROAD ELEVATION (FT.) (**)
76	14.10	25	46
77	13.38	53	36
78	14.24	22	115
79	13.64	49.5	81
80	15.29	22.5	62.5
80-A	15.44	35	80
80-B	19.63	12	N/R
81	17.11	44	80
81-A(FPL)	18.07	20	72
81-B(FPL)	N/R	N/R	N/R
82	17.22	50	82
82-A(FPL)	N/R	N/R	N/R
82-B(FPL)	16.82	14	124
83	16.29	26	126
84	14.90	22.5	64
85	14.01	28	140
86	12.98	50	214
87	15.16	24	81
88	14.30	28	190
AVERAGE:	15.45	30.91	99.6
MAXIMUM:	18.07	53	214
MINIMUM:	12.98	12	36

(*) Measured one foot below the crest elevation. The crest elevation is a point which, of course, has no width.

(**) Elevation taken at centerline of Old Dune Road.

N/R Not recovered.

Elevations shown here are based on NGV 1929 Datum unless otherwise specified.



ST. LUCIE SITE - DUNE SURVEY
MAY 29 THROUGH JUNE 15, 1990

<u>REF.</u> <u>NO.</u>	<u>DISTANCE FROM CENTER OF OLD</u> <u>DUNE ROAD TO MHW (FT.)</u>
76	125
77	115
78	141
79	139
80	144
80-A	154
80-B	120
81	165
81-A	165
81-B	*
82	164
82-A	*
82-B	187
83	180
84	156
85	182
86	230
87	204
88	118

AVERAGE: 158.2'
MAXIMUM: 230'
MINIMUM: 115'

N/R: COULD NOT FIND MONUMENT.



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 ST. LUCIE PLANT

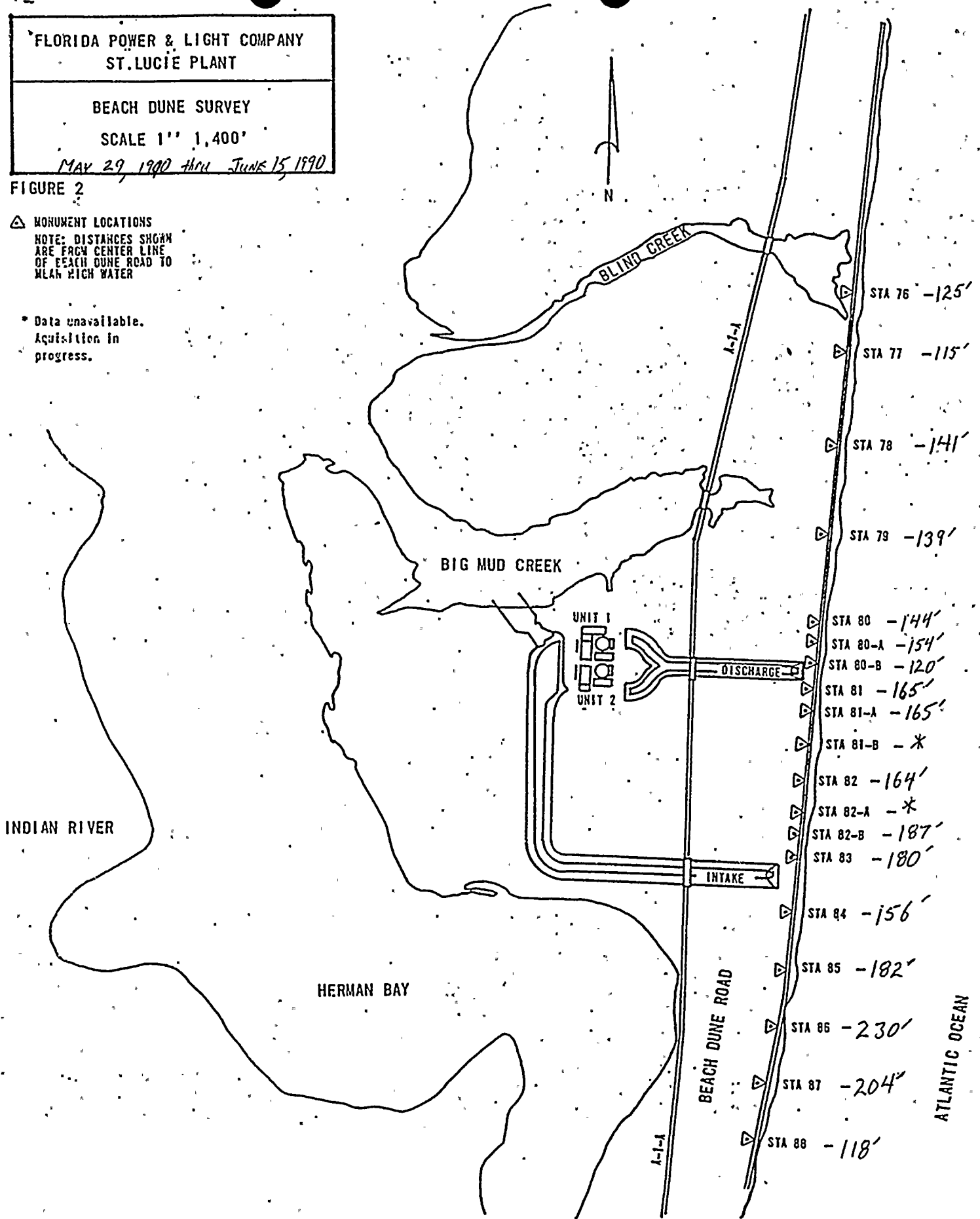
BEACH DUNE SURVEY
 SCALE 1" = 1,400'

MAY 29, 1990 thru JUNE 15, 1990

FIGURE 2

△ MONUMENT LOCATIONS
 NOTE: DISTANCES SHOWN
 ARE FROM CENTER LINE
 OF BEACH DUNE ROAD TO
 MEAN HIGH WATER

* Data unavailable.
 Acquisition in
 progress.



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 ST. LUCIE PLANT

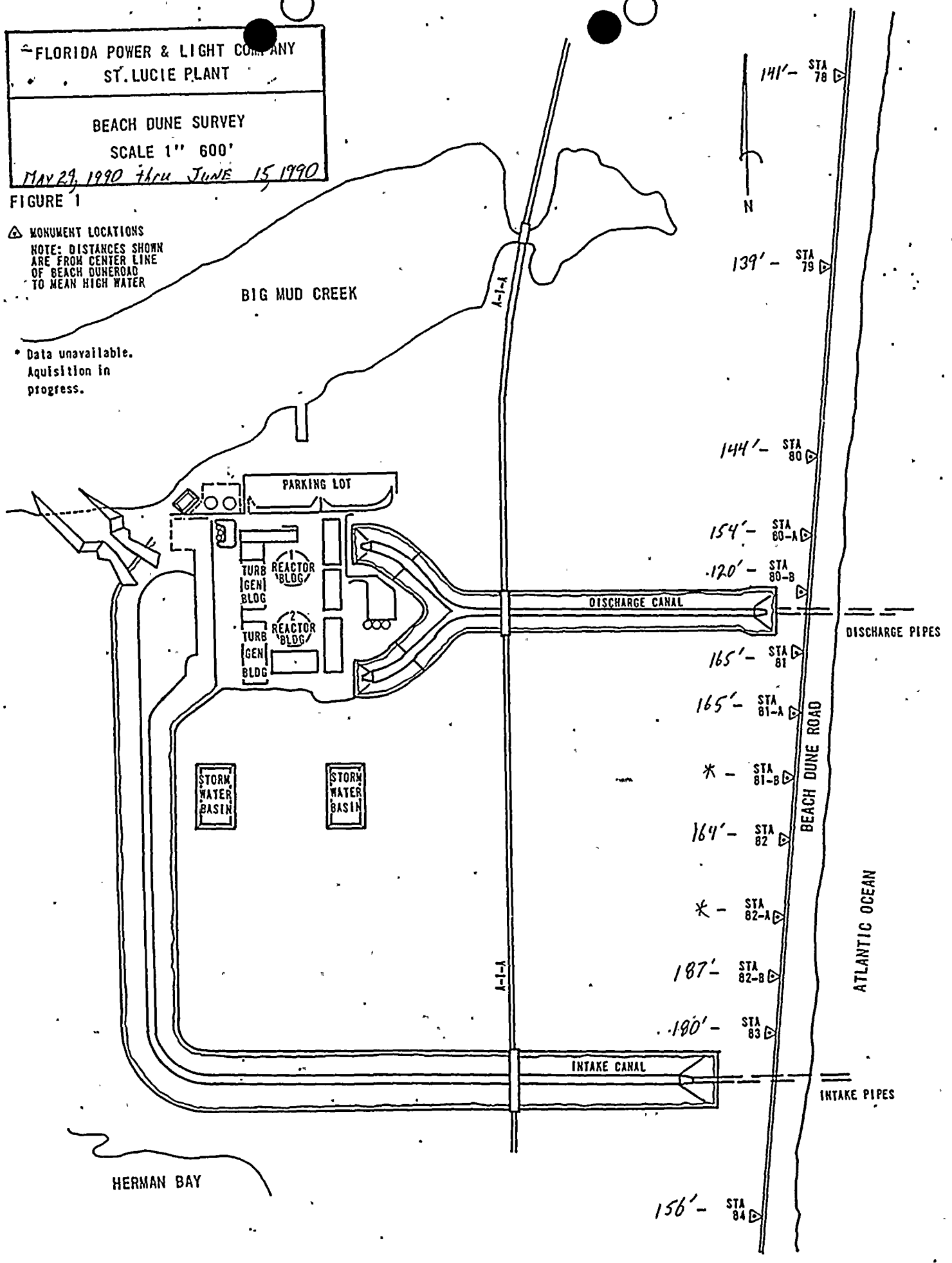
BEACH DUNE SURVEY
 SCALE 1" 600'

MAY 29, 1990 thru JUNE 15, 1990

FIGURE 1

MONUMENT LOCATIONS
 NOTE: DISTANCES SHOWN
 ARE FROM CENTER LINE
 OF BEACH DUNE ROAD
 TO MEAN HIGH WATER

* Data unavailable.
 Aquisition in
 progress.





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