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 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.    05000335  
       50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.    05000389  
 AUTH. NAME                    AUTHOR AFFILIATION  
 CONWAY, W.F.                  Florida Power & Light Co.  
 RECIPIENT AFFILIATION  
                                 Document Control Branch (Document Control Desk)

SUBJECT: Forwards results of Tech Spec Surveillance Requirement  
 4.7.6.1.1 field survey conducted on 880607-0804.

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SEPTEMBER 14 1988

L-88-415  
10 CFR 50.36

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 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 was conducted June 7, 1988 to August 4, 1988, and the data analysis was completed August 16, 1988. The results of the survey are attached. Also attached is a figure which locates the survey with respect to plant features.

St. Lucie Unit 1 Technical Specification 5.1.3 refers to the St. Lucie 1 Updated Final Safety Analysis Report (UFSAR), Section 2.4.2.2, Flood Design Considerations. The descriptions provided therein are summarized below:

Width at dune crest elevation:	On the order of 5 ft.
Crest elevation (MLW Ocean):	8 - 14 ft.
Width of dune at elevation of Old Dune Road:	40 - 50 ft.

The survey showed the following (data in feet):

	<u>Min.</u>	<u>Avg.</u>	<u>Max.</u>
Width at dune crest elevation:	10	29	50
Crest elevation (MSL Ocean):	9.25	12.10	15.05
Width of dune at elevation of Old Dune Road:	34	80.5	156

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Beach Survey  
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Since the parameters of the dune are greater than or within the range of those provided in the UFSAR referenced above, it is concluded that the dune condition is acceptable according to the criteria in Specification 5.1.3.

Construction and other activities at the site have modified the Old Beach Dune Road so that it is no longer apparent in certain areas. An effort to correlate the location of the existing monument with the location of the Old Beach Dune Road based on previous years' surveys is continuing.

Monument 80-B could not be located. It will be resurveyed and submitted within 90 days.

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

Very truly yours,

*DASagin*

*for* W. F. Conway  
Senior Vice President - Nuclear

WFC/EJW/cm

Attachment

cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

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ST. LUCIE SITE - DUNE SURVEY

JUNE 7 THROUGH AUGUST 4, 1988

REF. RD. NO. (**)	CREST ELEVATION ABOVE MSL (FT.)	DUNE WIDTH AT CREST ELEVATION (FT.) (*)	WIDTH AT OLD DUNE ELEVATION (FT.)
76	11.30	13	55
77	9.92	46	36
78	11.60	15	99
79	10.14	27.5	83
80	12.00	30	74
80-A	12.02	10	N/A
80-B	MONUMENT NOT FOUND	(N/R)	N/R
81	13.98	37	N/A
81-A(FPL)	15.05	19	N/A
81-B(FPL)	14.29	36	N/A
82	13.91	48	56
82-A(FPL)	13.87	38	N/A
82-B(FPL)	13.76	12	140
83	13.63	14	34
84	11.31	26	N/A
85	10.31	30	N/A
86	9.25	48	N/A
87	9.66	50	155
88	11.77	23	72
AVERAGE:	12.10	29.02	80.5
MAXIMUM:	15.05	50	156
MINIMUM:	9.25	10	34

(\*) 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/A No apparent road visible.

N/R Not recovered.

Elevations shown here are based on NGV 1929 Datum.



5 2 2 2 2 2



ST. LUCIE SITE - DUNE SURVEY  
JUNE 7 THROUGH AUGUST 4, 1988

REF. DISTANCE FROM CENTER OF OLD  
NO. DUNE ROAD TO MHW (FT.)

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76	120.8
77	112
78	145
79	138
80	148
80-A	155.5
80-B	N/R
81	N/A
81-A	199
81-B	198
82	197
82-A	185
82-B	200
83	197
84	N/A
85	249
86	94
87	184
88	146

AVERAGE:	166.8
MAXIMUM:	249
MINIMUM:	94

N/A: NO APPARENT VISIBLE ROAD  
N/R: NOT RECOVERED



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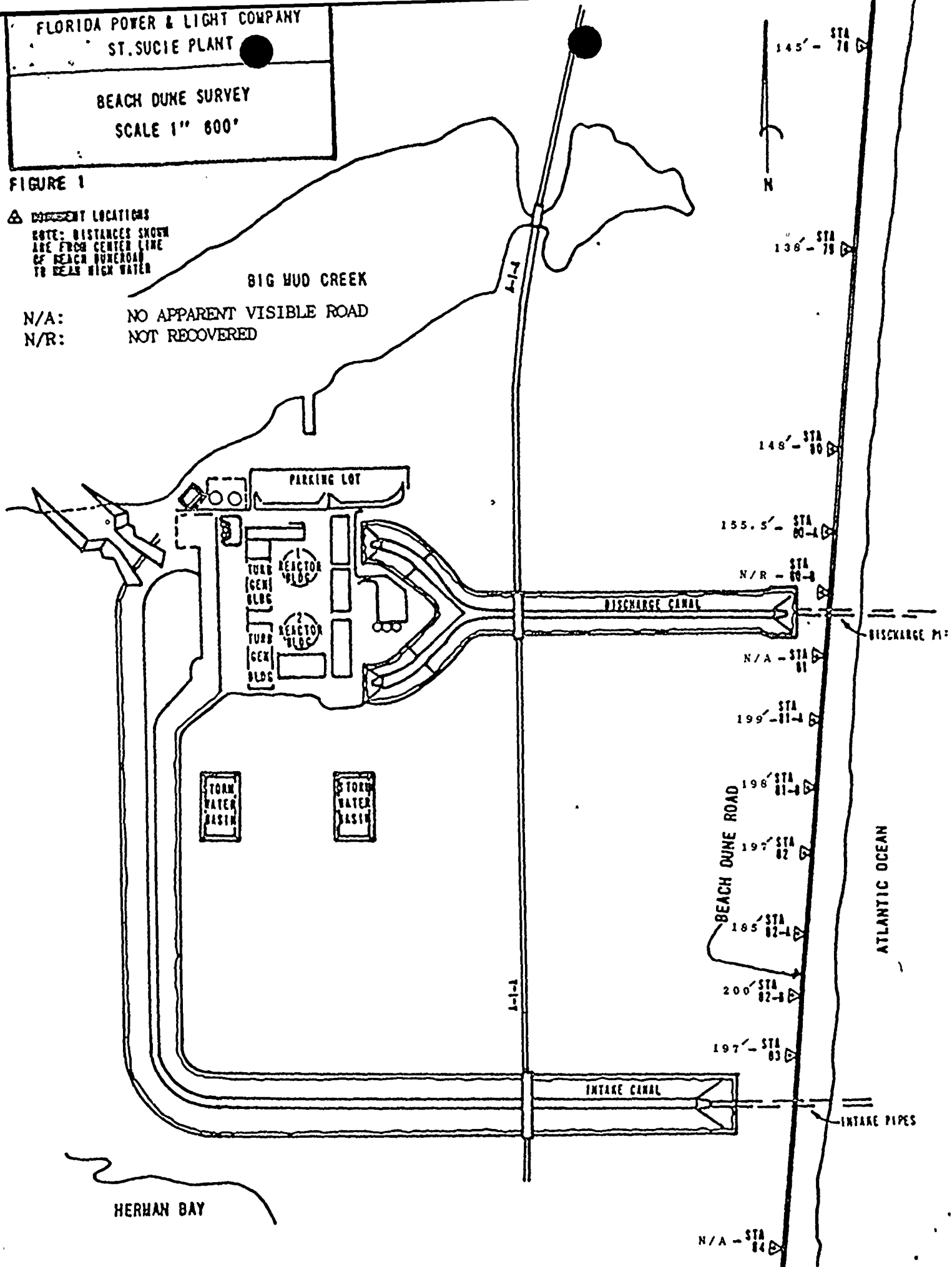
FLORIDA POWER & LIGHT COMPANY  
ST. SUCIE PLANT

BEACH DUNE SURVEY  
SCALE 1" 600'

FIGURE 1

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

N/A: NO APPARENT VISIBLE ROAD  
N/R: NOT RECOVERED



FLORIDA POWER & LIGHT COMPANY  
 ST. LUCIE PLANT

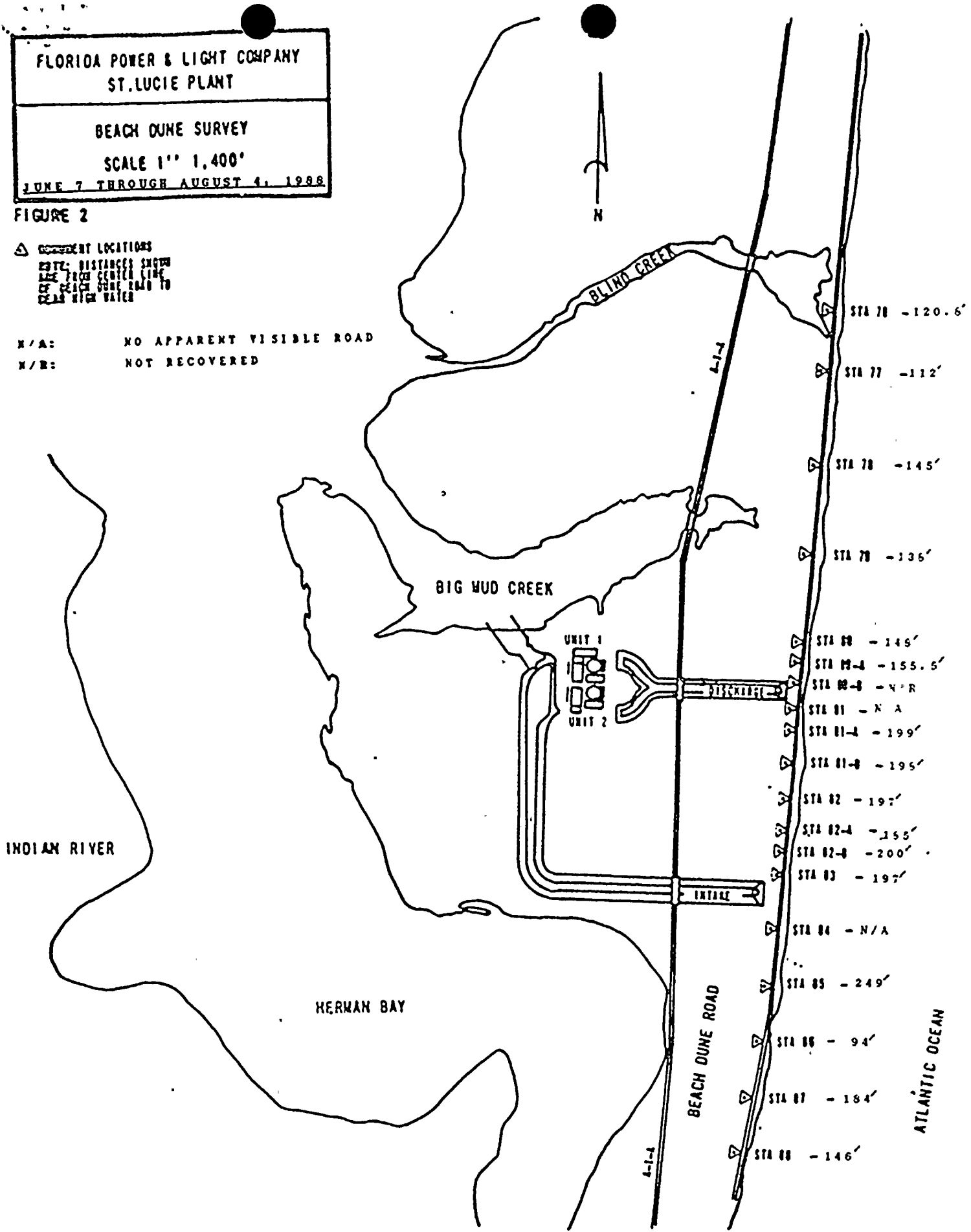
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BEACH DUNE SURVEY  
 SCALE 1" = 1,400'  
 JUNE 7 THROUGH AUGUST 4, 1988

FIGURE 2

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

N/A: NO APPARENT VISIBLE ROAD  
 N/R: NOT RECOVERED



ATLANTIC OCEAN

