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Proc. for NATURAL B 13
06-02Box D
Vegetation
Bot
C.I.
Inv. 5/85

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Environmental Consulting and Analysis

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BOTTOM SEAGRASS MONITORING

BAYFRONT PARK

HOMESTEAD, FLORIDA

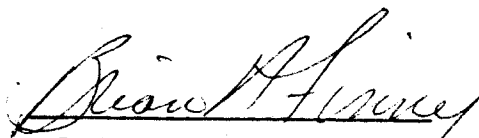
RECEIVED			
SEP 1 1983			
BISCAYNE NATIONAL PARK			
	REF. TO	INT.	DATE
1	SUBP.	JHS	9/1
	CH. 1 & 2		
	PAC. MGR.		
	RES. MGR.		
	ADM. SEC.		
	BUR. ASST.		
3	FILES	Bel	
2	Curry	Ho	9-2
ACTION			

DADE COUNTY PARK AND RECREATION

DEPARTMENT, PERMIT NUMBER 13-30368

26 August 1983

Report # K-1009



BRIAN A. FINNEY

ENVIROPACT OF THE KEYS, INC.

STATION 1 Grid Size: 1 Square Meter

Location: 100 feet south of the south edge of the purposed channel and 300 feet east of the tip of the existing jetty.

<u>Thalassia testudinum</u> ,	1400 leaves	32 x 2cm
<u>Diplanthera wrightii</u>	35 leaves	22cm

Grid coverage for this area was 95%, with 94% being Thalassia. Of this, 50% of the blades appeared as new growth.

Diplanthera was observed at this station for the first time, mixed Sparsely with the Thalassia, (approximately 1%). Bottom was of clay marl. Other species noted were Penicillus, Batophora, Acetabularia.

Remarks: Visibility was very poor due to turbid water from the dredge tug's prop wash.

STATION 2 Grid Size: 1 Square Meter

Location: 100 feet south of south edge of the purposed channel and 750 feet west of the tip of the existing jetty.

<u>Diplanthera wrightii</u>	1800 leaves	18cm
<u>Thalassia testudinum</u>	150 leaves	21 x 2cm

This area was 70% covered by the above grasses, with 60% being Diplanthera and 2% Thalassia. The Diplanthera displayed 50% new growth, while the less abundant Thalassia had 90% new growth. Bottom was of clay marl.

Other species notes were Acetabularia, Halimeda, Penicillus, Batophora.

Remarks: Visibility was poor due to turbid water from the dredge tug's prop wash.

STATION 3 Grid Size: 1 Square Meter

Location: 100 feet south of the south edge of the purposed channel 1500 feet west of the end of the existing jetty.

<u>Diplanthera wrightii</u>	4000 leaves	16cm
<u>Thalassia testudinum</u>	300 leaves	21 x 2cm

Grid coverage was 85%, with 65% being Diplanthera and 15% being Thalassia, Diplanthera had 15% new growth and Thalassia 90% new growth. Bottom was of clay marl. Other species noted were Acetabularia, Penicillus, Batophora..

Remarks: No appreciable change

STATION 4 Grid Size: 1 Square Meter

Location: 1500 feet west of the end of the existing jetty and approximately 700 feet south of the south edge of the purposed channel.

<u>Thalassia testudinum</u>	415 leaves	21 x 2cm
<u>Diplanthera wrightii</u>	40 leaves	16cm

Grid coverage was 50%, with Thalassia being 45% and Diplanthera 2%. Of the Thalassia, 90% was new growth and Diplanthera showing 5% new growth. Bottom was of clay marl. Other species noted were Penicillus, Batophora..

Remarks: No appreciable change