

CR-133922

TYPE I PROGRESS REPORT (July - August 1973)

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N73-31342

(E73-11041) ESTUARY AND BARRIER ISLAND STUDY Progress Report, Jul. - Aug. 1973 (ARMY Coastal Engineering Research Center) 2 p HC \$3.00 CSCL 08H

Unclas 63/13 01041

1. Title: "Estuary and Barrier Island Study"
2. GSFC No.: 293
3. Problems impeding progress: none
4. Completed accomplishments this period; plans for the next period:
preliminary survey of NASA imagery completed. In-depth analysis in progress.
Collection and collation of ground truth data completed. Correlation of
ground truth with NASA imagery to begin next period.
5. Significant results, practical applications, cost benefits:
 - A. Scan line distortion is apparent in ERTS-1 imagery, imparting a serrated-edge appearance to shorelines. This feature however does not hinder observation and interpretation of broad features such as shoaling areas and sediment plumes.
 - B. Shoaling in the backshore areas and inlets is easily discernible in spectral bands 4 and 5.
 - C. Contrast between land and water is especially striking in spectral band 7, allowing easy identification of tidal flat areas.
6. Reports released: None
7. Recommendations: None
8. Changes to standing order (dates): None
9. Image descriptor forms: None
10. List of data request forms submitted (dates): None
11. Other information: Attached inventory presents NASA film sets received by CERC since submission of previous Type I Progress Report.
 - Incl
 - Inventory of NASA Film Sets received by CERC since previous Type I Progress Report.
 - a. Underflights
 - b. ERTS-1

Inventory of NASA Film Sets
, Received By CERC Since
Previous Type I Progress Report

a. Underflights

<u>Cover Ltr dtd</u>	<u>Flight No./Date</u>	<u>Roll No.</u>	<u>Report No.</u>
-----	73-062/28 Apr 73	01102	FSR-268
2 August 73	W-195/11 May 73	0201 0202	W-195
22 August 73	W-222/15 Jun 73	0201 0202 0204	W-222

b. ERTS-1

<u>Orbit</u>	<u>Date of Flight</u>	<u>Frame No.</u>
---	1 June 1973	E-1313-15155-4,5,6,7
---	2 June 1973	E-1314-15210-4,5,6,7
---	2 June 1973	E-1314-15213-4,5,6,7