TYPE I PROGRESS REPORT (July - August 1973)

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

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

b. ERTS-1

<table>
<thead>
<tr>
<th>Orbit</th>
<th>Date of Flight</th>
<th>Frame No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 June 1973</td>
<td>E-1313-15155-4,5,6,7</td>
</tr>
<tr>
<td></td>
<td>2 June 1973</td>
<td>E-1314-15210-4,5,6,7</td>
</tr>
<tr>
<td></td>
<td>2 June 1973</td>
<td>E-1314-15213-4,5,6,7</td>
</tr>
</tbody>
</table>