



# Barrier Berm Project – Daily Report

## Day 44

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**Prepared by:** Shaw's Environmental & Infrastructure Group

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*E4 Berm Construction – July 13, 2010*

# Barrier Berm Project 139551 – Daily Information

## Yesterday – 14 July

| Vessel                 | Cubic Yards (CY) Handled | Hopper Loads |
|------------------------|--------------------------|--------------|
| <b>East</b>            |                          |              |
| Cutter California      | 42,966                   |              |
| Hopper Liberty Island  | 10,619                   | 3            |
| Hopper Terrapin Island | 12,845                   | 4            |
| <b>Subtotal East</b>   | <b>66,430</b>            | <b>7</b>     |
| <b>West</b>            |                          |              |
| Cutter EW Ellefsen     | 12,750                   |              |
| Hopper Stuyvesant      | 10,935                   | 2            |
| Hopper Padre Island    | 5,094                    | 2            |
| Hopper BE Lindholm     | 2,976                    | 1            |
| Hopper Bayport         | 7,345                    | 2            |
| <b>Subtotal West</b>   | <b>39,100</b>            | <b>7</b>     |
| <b>Total</b>           | <b>105,530</b>           | <b>14</b>    |

## Today – 15 July

- California to continue berm placement operations at E4.
- Borrow operations to continue in Mississippi River and at Hewes Point.
- Project efforts continue to support wildlife protection through trawler operations at Hewes Point.

## Tomorrow – 16 July

- Cutter dredge RS Weeks to arrive on site.

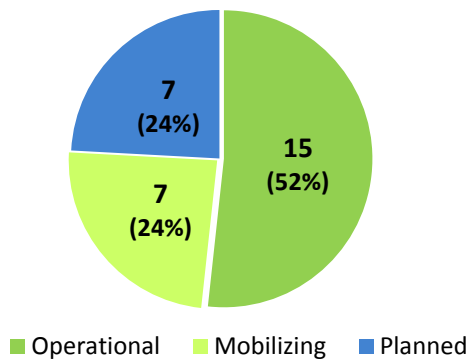
## Near-Term Milestones

- Forecast completion of first mile of berm approx. 26 July.
- Start of E4 South berm construction scheduled to begin 24 July.

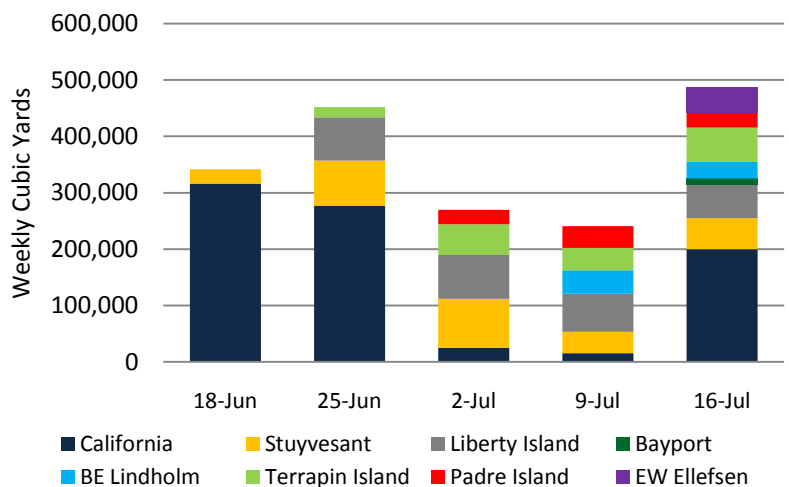
## Potential Schedule Variability Items

- Final permit requirements, third party agency requirements.
- Cost and schedule impacts due to weather and operational delays, trend book issuance by July 16, 2010.

**Fleet Mix**  
(total vessel count)



**All Dredges Weekly Volume**



## Barrier Berm Project 139551 – Cumulative Information

### Inception to Date (ITD) Volume

| Vessel                 | Handled - ITD (cy) | Hopper Loads - ITD |
|------------------------|--------------------|--------------------|
| Cutter California      | 834,352            |                    |
| Cutter EW Ellefsen     | 45,235             |                    |
| Hopper Stuyvesant      | 284,766            | 42                 |
| Hopper Liberty Island  | 281,430            | 60                 |
| Hopper Terrapin Island | 173,018            | 48                 |
| Hopper Padre Island    | 91,565             | 27                 |
| Hopper BE Lindholm     | 70,994             | 15                 |
| Hopper Bayport         | 10,803             | 3                  |
| <b>Total</b>           | <b>1,792,163</b>   | <b>195</b>         |

### Progress by Berm and Borrow Operations

| Location          | Start       | End       | Forecast (cy)     | Actual (cy)      | To Go (cy)        | Complete     |
|-------------------|-------------|-----------|-------------------|------------------|-------------------|--------------|
| E3                | 28-Jul-10   | 21-Oct-10 | 3,304,107         | 0                | 3,304,107         | 0.00%        |
| E4                | 14-Jun-10 A | 1-Nov-10  | 8,345,969         | 834,352          | 7,511,617         | 10.00%       |
| W8                | 21-Aug-10   | 28-Nov-10 | 2,802,588         | 0                | 2,802,588         | 0.00%        |
| W9                | 21-Jul-10   | 27-Aug-10 | 1,130,870         | 0                | 1,130,870         | 0.00%        |
| W10               | 8-Aug-10    | 21-Sep-10 | 1,327,543         | 0                | 1,327,543         | 0.00%        |
| W11               | 28-Sep-10   | 1-Nov-10  | 1,081,702         | 0                | 1,081,702         | 0.00%        |
| Borrow Operations | 16-Jun-10 A | 18-Oct-10 | 13,088,593        | 957,811          | 12,130,782        | 7.32%        |
| <b>Totals</b>     |             |           | <b>31,081,372</b> | <b>1,792,163</b> | <b>29,289,209</b> | <b>5.77%</b> |

Note: Percent complete of material handled represents only 1 of 3 elements of percent complete for the overall project.



E4 Berm Construction



EW Ellefsen loading scow



Spider barge



E4 Berm Aerial as of 7/13/10