2012 Digital Image and Land-Water Classification

2012 Digital Image

2012 Land-Water Classification

CRMS Site 1743
Coastwide Reference Monitoring System (CRMS)
2012 Digital Image and Land-Water Classification

Prepared by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Lafayette, Louisiana

Prepared for:
Louisiana Coastal Protection and
Restoration Authority
Lafayette Regional Office

Data Information:
The 2012 land-water data were obtained from digital imagery (Z/I Imaging digital mapping camera) with 1-meter resolution, acquired October 2012. All areas characterized by emergent vegetation, upland, wetland forest, or scrub-shrub were classified as land, while open water, aquatic beds, and mudflats were classified as water.

Data Collection Area (DCA)
The DCA includes field samplings of water level, salinity, vegetation surface elevation change, and soils.

2012 Land-Water Acreage Results

<table>
<thead>
<tr>
<th>Class</th>
<th>Study Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land</td>
<td>163</td>
</tr>
<tr>
<td>Water</td>
<td>85</td>
</tr>
<tr>
<td>Total</td>
<td>248</td>
</tr>
</tbody>
</table>

Louisiana Coastal Protection and Restoration Authority
Lafayette Regional Office

The 2012 Land-Water Classification Results

Class

Total

CRMS Series: 2014-02-0123