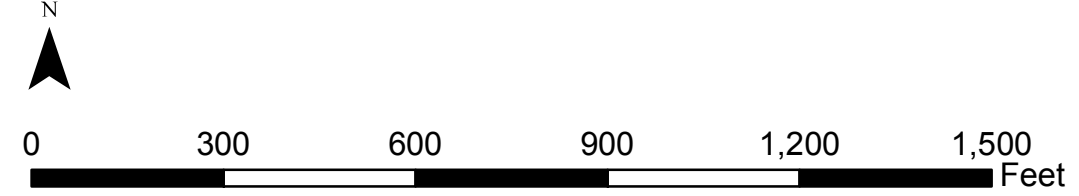


# Figure 4: Data Overview Map Seagrass Survey Area Corps of Engineers GIWW PA62, Galveston County, Texas

Notes:  
 -Base map source: 0.5-meter NAIP Imagery obtained online from TNTRIS; Galveston County, 2009.  
 -Prepared by Belaire Environmental, Inc December 14, 2012 (JZG).  
 -Elevation data obtained with RTK GPS and provided in NAVD 88 datum.  
 -For planning purposes only; not for construction.  
 -Seagrass survey performed from November 15 to November 19, 2012.  
 -Location of dredge material approximated using Pictometry aerial photography from January 28, 2012, and data taken at observation points in the field.

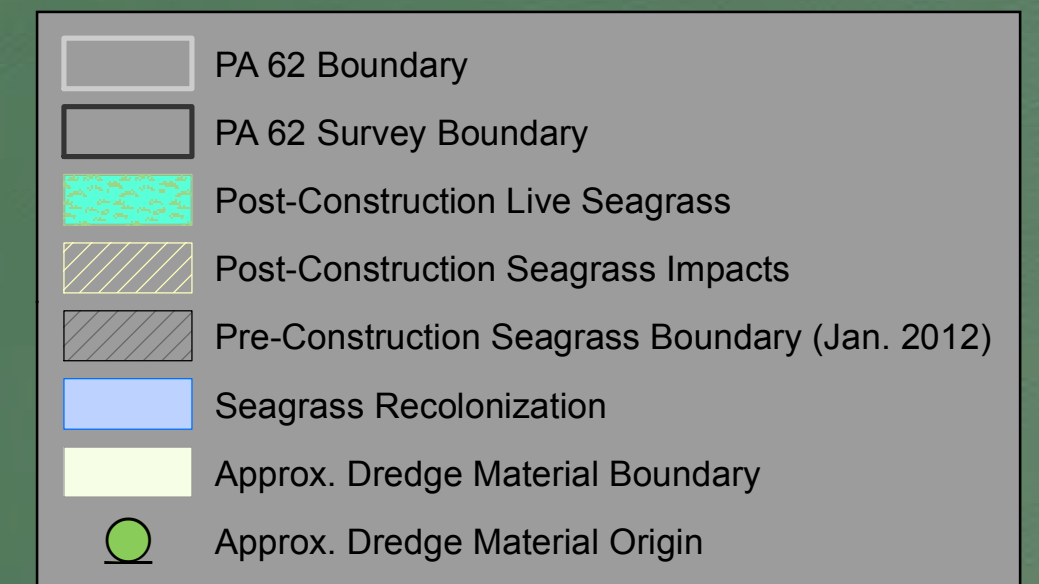
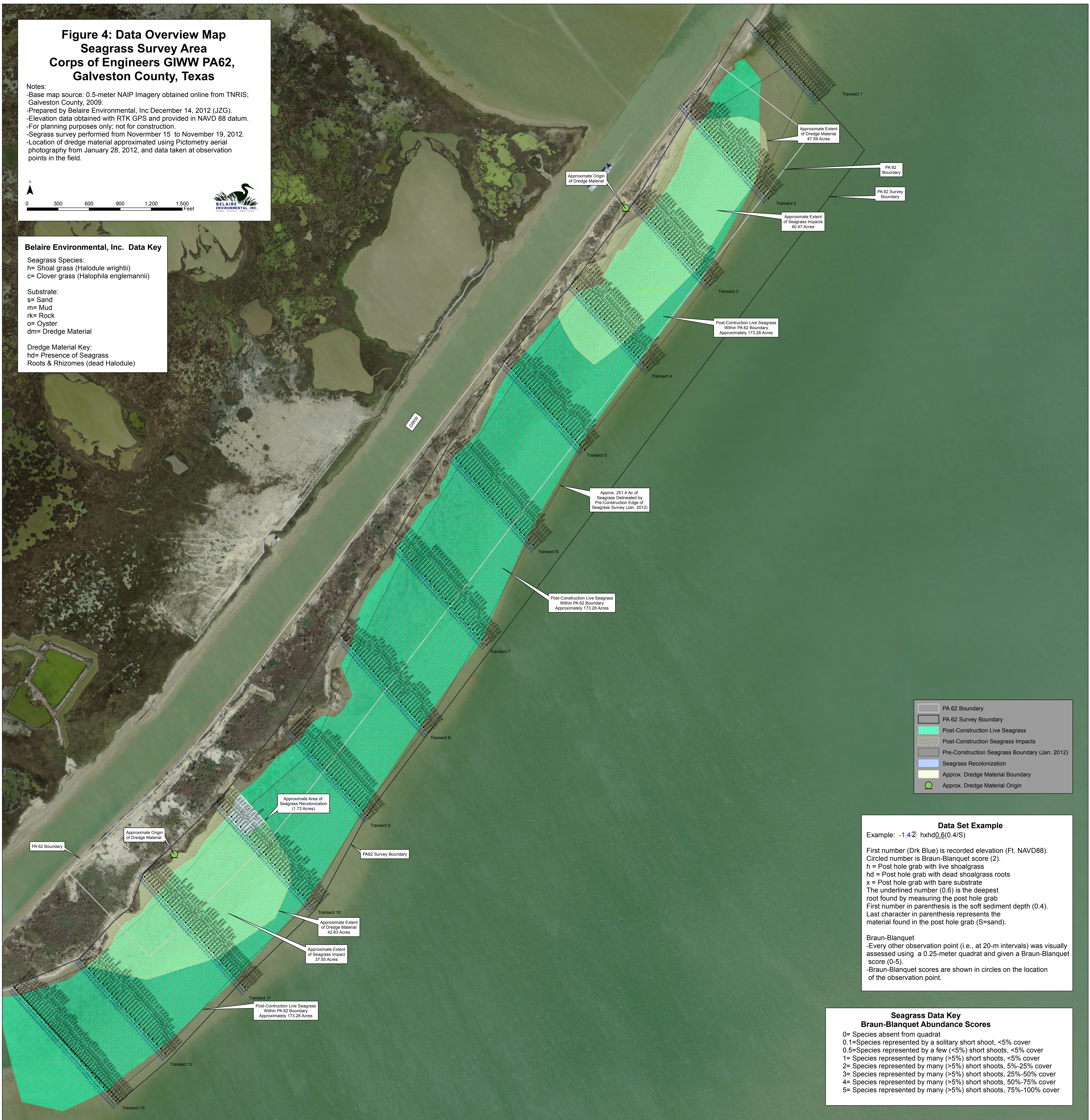


## Belaire Environmental, Inc. Data Key

Seagrass Species:  
 h= Shoal grass (*Halodule wrightii*)  
 c= Clover grass (*Halophila engelmannii*)

Substrate:  
 s= Sand  
 m= Mud  
 rk= Rock  
 o= Oyster  
 dm= Dredge Material

Dredge Material Key:  
 hd= Presence of Seagrass  
 Roots & Rhizomes (dead *Halodule*)



**Data Set Example**  
 Example: -1.42 h<sup>2</sup>xhd<sub>0.6</sub>(0.4/S)  
 First number (Drk Blue) is recorded elevation (Ft. NAVD88).  
 Circled number is Braun-Blanquet score (2).  
 h = Post hole grab with live shoalgrass  
 hd = Post hole grab with dead shoalgrass roots  
 x = Post hole grab with bare substrate  
 The underlined number (0.6) is the deepest root found by measuring the post hole grab  
 First number in parenthesis is the soft sediment depth (0.4).  
 Last character in parenthesis represents the material found in the post hole grab (S=sand).  
 Braun-Blanquet  
 -Every other observation point (i.e., at 20-m intervals) was visually assessed using a 0.25-meter quadrat and given a Braun-Blanquet score (0-5).  
 -Braun-Blanquet scores are shown in circles on the location of the observation point.

**Seagrass Data Key**  
**Braun-Blanquet Abundance Scores**  
 0= Species absent from quadrat  
 0.1=Species represented by a solitary short shoot, <5% cover  
 0.5=Species represented by a few (<5%) short shoots, <5% cover  
 1= Species represented by many (>5%) short shoots, <5% cover  
 2= Species represented by many (>5%) short shoots, 5%-25% cover  
 3= Species represented by many (>5%) short shoots, 25%-50% cover  
 4= Species represented by many (>5%) short shoots, 50%-75% cover  
 5= Species represented by many (>5%) short shoots, 75%-100% cover