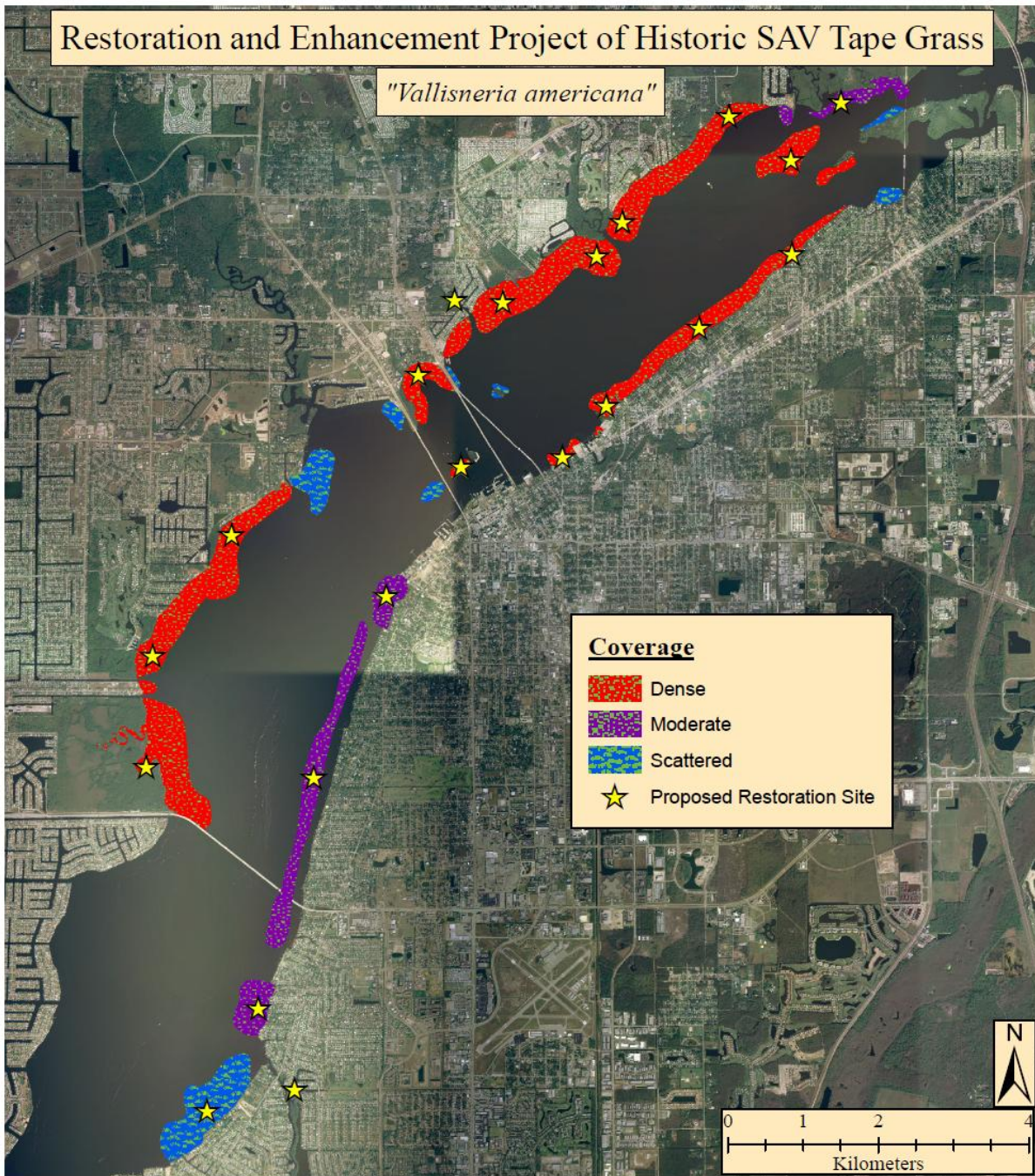


## **APPENDIX A:**

### **Caloosahatchee River Estuary Tape Grass Restoration Project**

**(submitted June 2014)**



**Acreage**  
 Dense: 1292.40  
 Moderate: 397.09  
 Scattered: 322.95  
 Total Acreage: 2012.44



Data Sources:  
 2004 One Meter Ortho Imagery provided by  
 USGS and NRCS for Lee County, FL  
 Coverage polygons digitized from USGS  
 2004 aerial

Map Created by Daniel Dickinson

Figure 2. Proposed SAV restoration areas of *Vallisneria americana* in the upper Caloosahatchee Estuary in Lee County, Florida using seeding, whole plants and exclosures.

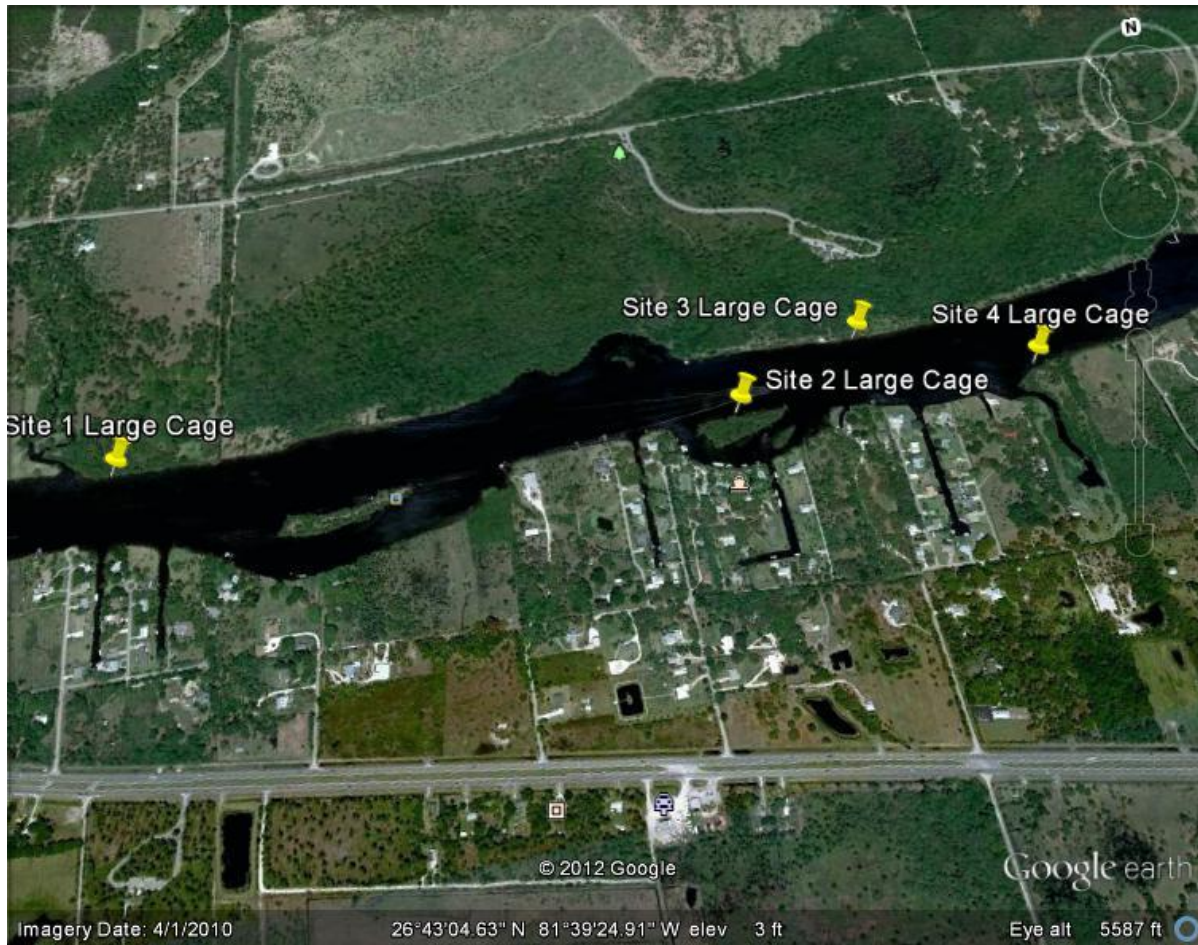


Figure 3. Location of *Vallisneria americana* restoration plantings and exclosures upstream of S-79 “Franklin Locks” permitted in May 2012 and currently being monitored by FGCU researchers.

#### GPS Coordinates

**Site 1:** Latitude: 26°43'8.80"N; Longitude: 81°39'57.60"W

**Site 2:** Latitude: 26°43'7.80"N; Longitude: 81°39'15.60"W

**Site 3:** Latitude: 26°43'12.10"N; Longitude: 81°39'6.20"W

**Site 4:** Latitude: 26°43'8.70"N; Longitude: 81°38'54.10"W

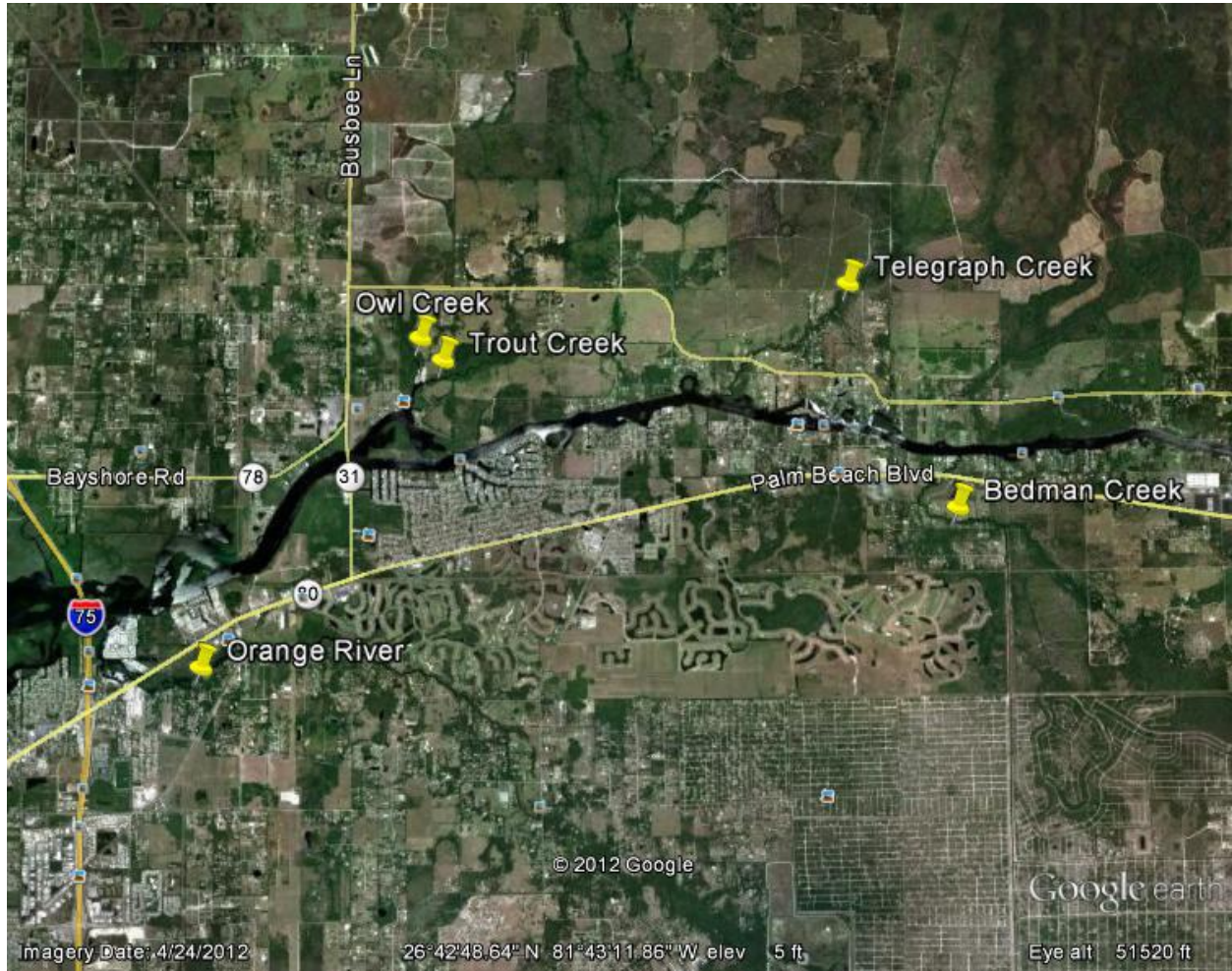


Figure 4. Additional proposed *Vallisneria americana* planting sites in freshwater tributaries to the Caloosahatchee River in Lee County, FL east of I-75. West to east; Orange River, Owl Creek, Trout Creek, Telegraph Creek, and Bedman Creek



Figure 5. Herbivore exclusion cage (6m x 2m) being deployed May 2012 by FGCU researchers in the Caloosahatchee River and planted with *Vallisneria americana* (10 shoots/m<sup>2</sup>).



Figure 6. Successful tape grass, *V. americana* restoration area in Caloosahatchee River from pilot study conducted by FGCU comparing two types of herbivore exclosures (Ceilley 2009).



Hardened exclosure cage with anchoring by J Anderson and Aquatic Ecosystems Solutions.





Small hardened exclosure cages planted with tape grass and deployed in flowing stream habitats of Florida

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