

NOAA Coastal and Marine Habitat Restoration Grant

Components:

Construction of a coastal dune habitat on Historic Virginia Key Beach Park:

- Approx. 2,000 linear feet and 22,000 cubic yard of sand material.
- Construction of 8 dune crossings varying from 30-60 feet in length
- Native re-vegetation on the coastal dune approx. 2 linear acres (2,390 coastal shrubs and plants; 53 coastal trees)
- 6-8 week dune construction project; employs 17 workers
- 1 week dune vegetation project; employs 7 workers
- 2 week dune crossing project; employs 5 workers

Historic Virginia Key Beach Park Selective Exotic Removal and Re-vegetation Project

- 1.7 acres of Tropical Hardwood Hammock
- 4.3 acres of Wetlands
- 2.8 acres of Dune Coastal Strand
- 2 week selective clearing project: employs 10 workers
- 3 week vegetation project: employs 10 workers

Debris field removal and hauling on Historic Virginia Key Beach Park

- Approx. 800 linear feet seaward of the Mean High Water Line extending approx. 50 feet off shore
- Survey, permit, excavation
- 2 week excavation project: employs 6 workers

Construction and Re-vegetation of Tropical Hardwood Hammock on Historic Virginia Key Beach Park

- 15.5 acres of Tropical Hardwood Hammock
- 6 week vegetation project: employs 15 workers

Construction of Native Plant Nursery with outdoor classroom component

- 15,000 sq. ft. native plant nursery (100x150)
- 3,000 sq. ft. outdoor classroom (50x60)
- Water/electrical infrastructure and nursery supplies
- 1 week water access project: employs 4 workers
- 1 week electrical access project: employs 2 workers
- 2-3 week nursery construction project (fencing, land contouring, light construction): employs 6 workers

Buoy Line Purchase and Installation on Virginia Key

- 25 Swimmer Safety Zone Buoys
- 25 special down lines with shock absorber for buoys
- 25 auger anchors
- Installation of 23 auger anchors, down lines and buoys
- 1 week buoy line installation project: employs 3 workers

Equipment for habitat construction and project maintenance

- All-terrain gasoline powered ATV 4x4 with flatbed
- Loader/backhoe
- Bobcat & various attachments

Interpretative signage and way finding

- Themed interpretative and way finding signage for historical elements on the historic park property
- Interpretative and way finding signage for elements on Virginia Key

Project management, monitoring and maintenance staff (duration of 18-month project)

- Project management: employs 3 workers
- Project monitoring: employs 5 workers
- Project maintenance: employs 30 workers