

Apostle Islands National Lakeshore

FY2006 Annual Summary Report

Prepared by

NATURAL RESOURCES CONSERVATION SERVICE

Rose Lake Plant Materials Center, East Lansing, MI

INTRODUCTION -The Apostle National Park is comprised of Raspberry Island, Outer Island, and others in Lake Superior near Bayfield, Wisconsin. Several of these islands have historic lighthouses that once guided mariners through the rough waters of Lake Superior. Continuous erosion of steep slopes has jeopardized these historic facilities. This project was initiated in 2000 to produce native plant stock for stabilizing slopes, preventing erosion, preserving native plant resources, and revegetating at Apostle Islands National Park.

The Park Service entered into several reimbursable agreements with NRCS and the Rose Lake PMC to provide technical assistance and to assist with collecting and growing plants. Under a Memorandum of Agreement grass, forb, and shrub species were selected for propagation based on the material's availability, viability, and site adaptability for the intended use.

ACCOMPLISHMENTS -Following is a list of species propagated and number of plants delivered to Apostle Island National Park in 2006:

American Beachgrass - 237	Grayleaf Red Raspberry - 60
Arborvitae - 49	Hairgrass - 186
Beach Wormwood - 19	Prickly Rose - 35
Canada Goldenrod - 697	Red Elderberry - 2181
Canada Wildrye - 23	Redtop - 238
Dwarf Scouring Rush - 89	Smooth Rose - 10
Evening Primrose - 194	Wavy Hairgrass - 340
Field Stagwort - 498	Western Pearly Everlasting - 277
Fireweed - 203	

TECHNOLOGY DEVELOPMENT – The NRCS Great Lakes Region Plant Materials Specialist has provided training to the Apostle Island National Park employees on several soil bioengineering slope stabilization techniques including guidance on the installation of vegetative crib walls and slope grids for Outer Island. Park staff constructed several vegetative crib walls on Outer and Raspberry Islands.

Outer Island slope stabilization project:



Untreated slope



Vegetative crib wall and slope grid installed



Stabilized slope with vegetative crib wall and slope grid



Fully stabilized and vegetated slope