

**APOSTLE ISLANDS NATIONAL LAKESHORE  
IAA No. IA-6140-A-0007 (Rasp., Oak and Outer Islands)  
FY2004 Summary**

Prepared by  
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**Introduction:** This project was initiated in 2000 to produce native plant stock for stabilizing slopes, preventing erosion, preserving native plant resources and revegetating park lands. Under a Memorandum of Agreement species to be propagated were selected from an amendable list. A minimum of 2 grass, 2 forb and 4 shrub species from this list were supplied by the Center based on the material's availability, viability and site adaptability for the intended use. The Agreement further specified deliverables as 30 pounds of Canada wildrye seed, 500 forb/grass plugs and 500 shrub transplants. Deliverables were distributed in 2002, 2003 and 2004. Additional plant distributions are planned for 2005.

**Accomplishments:** Thirteen species were propagated in 2003 and 2004 for delivery to the Park in 2004. A total of 5164 plants were delivered in May of 2004. Propagation efforts continue at the PMC greenhouse for plant delivery in 2005.

The following is a list of species propagated and number of plants delivered to Apostle Island National Lakeshore in 2004:

Red Elderberry – 100	Lowbush Blueberry - 650
Purpleflowering Raspberry – 100	Grayleaf Red Raspberry – 250
Beach Pea – 95	Wavy Hairgrass – 1460
Redosier Dogwood – 200	Sandcherry – 92
Pennsylvania Sedge – 1698	American Beachgrass – 350
Bush Honeysuckle – 7	Common Juniper – 62
Evening-Primrose – 100	

**Technology Development and Observations:**

The Rose Lake Plant Materials Center tested several propagation techniques for several gymnosperm species, including common juniper and yew. Establishing either species from cuttings was, for the most part, not successful. Common juniper seeds were stratified in a series of warm and cold treatments over a nine month timeframe. Germination rate of common juniper using this method was greater than 50%.

**Outer Island:**

Technical assistance was provided by David Burgdorf, Plant Materials Specialist for stabilization of the Outer Island Lighthouse slope protection. Further assistance and training is scheduled for April 2005.