

ACADIA NATIONAL PARK

2006 Annual Summary Report Prepared by

NATURAL RESOURCES CONSERVATION SERVICE PLANT MATERIALS CENTER CAPE MAY, NEW JERSEY

Introduction: The USDA, Natural Resources Conservation Service, Cape May Plant Materials Center, entered into an interagency agreement, 4500-03-002 Rehabilitation of Blackwoods Campground, with the USDI, National Park Service, Acadia National Park.

- . The Natural Resources Conservation Service agrees to:
 - (A) Collect seed and plant materials of selected species within Acadia National Park boundaries.
 - (B) Use these seeds and plant materials to produce plugs and transplants of forbs, trees and shrubs.
 - (C) Make available plugs and transplants to Acadia National Park for re-vegetation of the Blackwoods Campground.

The PMC activities have focused on seed and plant collections in the Acadia National Park, seed collection, processing and conditioning, seed/plant propagation of plugs and transplants at the plant materials center, propagating materials vegetatively and delivering the plant material back to the Park.

Accomplishments: Seed was collected September through November (pasture rose, arrowwood, viburnum, white birch, wild raisin, mountain holly, winterberry, maple leaf viburnum, bayberry, Mountain ash, hawthorn), in mid-September (bayberry, arrowwood viburnum, sheep laurel, fly honeysuckle, pasture rose, wild raisin, mountain holly, hobblebush and maple leaf viburnum), and early November (winterberry, meadowsweet, pasture rose, downy goldenrod, sweet gale, grass-leaved goldenrod, while flat-topped aster and staghorn sumac). No vegetative materials were collected at this time.

During the first week of October 2005 seed of trees and shrubs were stratified by directly seeding propagation trays, placing them into black plastic bags, placing these into large Rubbermaid storage bins and then placed the bins into the seed cooler. After a 60 day stratification materials were transferred to the greenhouse. In late spring seedlings were potted into 4" square quart size pots and placed in a shaded nursery holding area. Young plants from the previous years planting activities were re-potted into 1 gallon containers. Species included winterberry, white birch, pasture rose, bayberry, spruce, meadowsweet and white pine.

Four deliveries of plant materials were made during the summer of 2006 bringing the contract delivery totals to 9,506 plants. The remaining 7,000 plants will be transferred with at least 6 shipments during the spring and summer season of 2007.

No new technologies have been realized nor will be developed for the remainder of this contract.