

ACADIA NATIONAL PARK
1992 ANNUAL REPORT

BIG FLATS PLANT MATERIALS CENTER
CORNING, NEW YORK
DECEMBER 1992

I. BRIEF BACKGROUND OF PROJECT

The USDA, Soil Conservation Service, Big Flats Plant Materials Center entered into an interagency agreement with the USDI National Park Service, Acadia National Park on September 21, 1992. The Soil Conservation Service agreed to:

- A) Collect seed of selected species from within Acadia National Park boundaries.
- B) Use these seeds to product isolated increase fields of grasses and forbs and transplants of shrubs and trees. Propagate seed for a minimum of seven species and transplants for a minimum of eight species as agreed to by the Acadia National Park.
- C) Make available seed and transplants to Acadia National Park for revegetation of the Federal Highways Administration road projects in the park from 1994 through 1996. A minimum of (3) grasses, (3) forbs, (6) shrubs and (2) tree species will be supplied. The Park will use the plant materials for roadside revegetation after re-surfacing the park loop road and up-grading the Carriage Paths in the park.

Since this agreement was orgainized and approved in 1992, PMC activities have focused on seed collection in the Acadia National Park.

II. ACCESSIONS INVOLVED

The following species have been collected for increase in 1992:

Scientific Name	Common Name	Symbol
<u>Grasses:</u>		
Danthonia spicata	poverty grass	DASP2
Deschampsia flexuosa	common hairgrass	DEFL
Festuca rubra	red fescue	FERU2

Forbs:

Antennaria neglecta	field pussytoes	ANNE
Aster macrophyllus	large-leaved aster	ASMA2
Aster novi-belgii	New York aster	ASNO
Solidago canadensis	Canada goldenrod	SOCA6
Solidago puberula	Downy goldenrod	SOPU
Solidago rugosa	rough-stemmed goldenrod	SORU2
Rhinanthus crista-galli	yellow rattle	RHCR2
Aster unbellatus	flat-topped aster	ASUM
Aralia nudicaulis	wild sarsaparilla	ARNU2

Shrubs:

Cornus canadensis	bunchberry dogwood	COCA13
Myrica pennsylvanica	bayberry	MYPE2
Rhododendron canadense	rhodora	RHCA6
Kalmia angustifolia	lanbkill/sheep laurel	KAAN
Vaccinium angustifolium	lowbush blueberry	VAAN
Juniperus communis	dwarf juniper	JUCO6
Gaylussachia baccata	black huckleberry	GABA
Virburnum cassinoides	wild raisin	VICA
Ilex verticillata	winterberry	ILVE

Trees:

Acer rubrum	red maple	ACRU
Amelanchier spp.	shadbush	AMELA
Betula papyrifera	white birch	BEPA
Pinus strobus	white pine	PIST
Picea rubens *	red spruce	PIRU

* No seed collected in 1992

III. COLLECTION INFORMATION

Collections were made throughout the park so each species was collected from numerous locations. The seed collections have been combined for each species and are considered as one population. Currently, four collection trips have been completed: July 6-9, 1992, August 3-8, 1992, August 31-September 4, 1992, and September 28-October 3, 1992. In 1992, seed was collected from (3) grasses, (9) forbs, (9) shrubs and (4) trees.

IV. SEED CONDITION INFORMATION

Seed collected in the Park will be cleaned by the Big Flats Plant Materials Center during the winter of 1992-1993, with results reported in the 1993 summary.