

GRAND TETON NATIONAL PARK
FY2008 Annual Report
Prepared by

NATURAL RESOURCES CONSERVATION SERVICE
PLANT MATERIALS CENTER
ABERDEEN, IDAHO

INTRODUCTION

The Aberdeen Plant Materials Center (PMC) entered into an interagency agreement with Grand Teton National Park (GTNP) in 2006 to produce seed of four native grasses for use in revegetation of disturbed areas following road construction. Seed fields were planted in 2006 and seed was harvested in 2007 and 2008. New fields of Idaho fescue (*Festuca idahonensis*) and bluebunch wheatgrass (*Pseudoroegneria spicata*) were planted in May, 2008. Seed from these fields will be harvested in 2009 through 2010.

ACCOMPLISHMENTS

Seed fields were planted the last week of May 2006. Slender wheatgrass was planted in Field 27E at the PMC Fish and Game Farm. Mountain brome and Sandberg bluegrass were planted in Fields 2W and 13N respectively at the PMC Home Farm. Blue wildrye was planted in Field 6E at the PMC Pearl Farm. Idaho fescue (0.3 acres) and bluebunch wheatgrass (0.17 acres) were planted May 23, 2008 and are located in Field 21, Fish and Game Farm.

Soil at the Home Farm and Fish and Game Farm is Declo silt loam with pH of 7.4 to 8.4. Soil at the Pearl Farm is Kimama silt loam with pH of 7.4 to 9.0. Average annual precipitation is 9.39 inches and seed fields are sprinkler irrigated to supplement natural precipitation to approximate 16 to 24 inches of total annual moisture. Weeds were controlled as needed during the growing season.

All species with the exception of Sandberg bluegrass established well. Some Sandberg bluegrass plants were established but overall field establishment is spotty. Substantial effort was also required to rogue Kentucky bluegrass out of the Sandberg bluegrass field.

The following table lists the species, field acreage and seed yields from 2008 harvest (at time of report, seed had not been tested):

Species	Scientific Name	Acres	Clean seed (lbs)
Slender wheatgrass	<i>Elymus trachycaulis</i>	1.0	650
Blue wildrye	<i>Elymus glaucus</i>	2.7	417
Mountain brome	<i>Bromus marginatus</i>	1.0	200
Sandberg bluegrass	<i>Poa secunda</i>	0.25	15

Seed samples from each lot were submitted to the Idaho State Seed Laboratory for purity and viability testing.

GTNP has requested that seed production continue from the slender wheatgrass and Sandberg bluegrass in 2009.



**Grand Teton National Park Seed Increase - Blue wildrye.
Aberdeen Plant Materials Center, July 9, 2007**



**Grand Teton National Park Seed Increase - Mountain brome.
Aberdeen Plant Materials Center, June 1, 2007**



**Grand Teton National Park Seed Increase - Slender wheatgrass.
Aberdeen Plant Materials Center, July 9, 2007**



**Grand Teton National Park Seed Increase - Sandberg bluegrass.
Aberdeen Plant Materials Center, September 6, 2006**



**Grand Teton National Park Seed Increase - Idaho Fescue.
Aberdeen Plant Materials Center, July 24, 2008**



**Grand Teton National Park Seed Increase - Bluebunch wheatgrass.
Aberdeen Plant Materials Center, July 24, 2008**