

GRAND TETON NATIONAL PARK

FY2006 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 will be harvested in 2007 and 2008.

ACCOMPLISHMENTS

GTNP personnel delivered processed seed to the PMC on February 7, 2006 as listed below:

<u>Species</u>	<u>Scientific Name</u>	<u>Bulk Weight (lbs)</u>	<u>Acreage Seeded</u>
Slender wheatgrass	<i>Elymus trachycaulis</i>	5.6	1.0
Blue wildrye	<i>Elymus glaucus</i>	14.6	2.7
Mountain brome	<i>Bromus marginatus</i>	7.0	1.0
Sandberg bluegrass	<i>Poa secunda</i>	0.8	0.25

PMC personnel inspected each seed lot for purity and estimated germination for each of the species. Based on inspection and germination, mountain brome and Sandberg bluegrass seed was processed further to improve germination and purity. 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.

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 total annual precipitation. Weeds were controlled as needed during the growing season. All species with the exception of Sandberg bluegrass established well. Sandberg bluegrass plants were established but establishment is spotty.

Seed harvest will begin from these fields in 2007.



**Grand Teton National Park Seed Increase. Blue wildrye.
Aberdeen Plant Materials Center, September 6, 2006.**



**Grand Teton National Park Seed Increase. Mountain brome.
Aberdeen Plant Materials Center, September 6, 2006.**



**Grand Teton National Park Seed Increase. Slender wheatgrass.
Aberdeen Plant Materials Center, September 6, 2006.**



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