

# GRAND TETON NATIONAL PARK

## 2001 Annual Report

Prepared by

### UPPER COLORADO ENVIRONMENTAL PLANT CENTER

Meeker, Colorado

**INTRODUCTION** - An agreement between Grand Teton National Park and Upper Colorado Environmental Plant Center (UCEPC) was formally approved in September of 2001. This new agreement will extend through fiscal year 2005, and calls for the production of five grass species. One species, basin wildrye, had been established for production in an earlier agreement. Two other species, bluebunch wheatgrass and slender wheatgrass, had been produced in an earlier agreement as well, and was hoped that seed from these previously produced materials could be used to establish new seed fields. The other two species, blue wildrye and prairie Junegrass, would have to be collected from the park in order to establish production fields.

**ACCOMPLISHMENTS** - Seed test results indicated a low germination for bluebunch wheatgrass which had been produced in 1992 and 1993, but was felt that there was enough germination and seed quantity to establish a one acre field. The slender wheatgrass produced in 1992, however, was completely dead. This made it necessary for park personnel to collect slender wheatgrass in addition to the two other materials called for in the agreement. Total clean pounds of park collections are provided below.

Blue wildrye	14.0 lb	Carex (non-contract)	5.93 lb
Prairie Junegrass	41.0 g	Utah sweetvetch (non-contract)	0.82 lb
Slender wheatgrass	12.5 lb		

The three collected contract materials will be planted the spring of 2002. A one acre field of bluebunch was planted on August 29, 2001. One material, basin wildrye, was produced in 2001. An extremely disappointing 13 pounds were harvested July 30, 2001, for its first year of seed production.

**TECHNOLOGY DEVELOPMENTS** - Specific information about seed treatment, seeding rates, irrigation schedules or other production methods are available upon request. Work is continuing with head smut transfer, longevity, and relationship through time to infected and resistant plants alike.