Riparian and Cottonwood Restoration Humboldt-Toiyabe National Forest

2006 Accomplishments

Saplings in J. Herbert Stone Nursery

The goal of the riparian and cottonwood restoration proposal was to assess the cottonwood populations and to develop an effective breeding population to address genetic integrity. To meet this goal, we collected plant material to produce seeds and seedlings for restoration of 100 acres on the Santa Rosa Ranger District. This effort also provided an initial inventory to identify species and distribution on the Santa Rosa and Bridgeport Ranger Districts.

The original goal of the proposal was to develop a seed bank of locally adapted material.

- Personnel from J. Herbert Stone Nursery in Oregon assisted with collecting flowering material from cottonwoods on the Bridgeport and Santa Rosa Ranger Districts. Flowering branches from male trees on both districts were collected again in 2006. In both 2005 and 2006, the flowers failed to produce viable pollen, which may be caused by environmental conditions.
- A stool bed may be established to provide cuttings for future plantings and meet the proposals objective of having locally adapted material available for restoration of riparian areas.

To meet the restoration goals, vegetation cuttings were also utilized.

- Container seedlings were grown from vegetative cuttings of each gender of black and narrowleaf cottonwood from Santa Rosa and Fremont cottonwoods from Bridgeport.
- Seedlings will be planted in November on acres selected this summer to restore 100 acres of riparian habitat.

Selection of planting sites

Year Awarded: 2004
Projected Completion: 2006
Report Number: 3 of 3

Partner: J. Herbert Stone Nursery

Expenditures:

- FY04 funding $30,000 obligated; expenditures $24,700; $5,300 remaining
- Other funding is used for actual planting costs and genetic testing.

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