

## **Update Task Report**

### **Task 3**

**FY-05 104(b)(3) wetlands project  
Grant CA# CD-966017-01 Project 1**

***Creation of a Vegetated Wetland Throughout The Littoral Zone of Lake  
Stanley Draper***

**October 11, 2006**

Task Output for Grant CA# CD-966017-01 Project 1  
 “Creation of a Vegetated Wetland Throughout the Littoral Zone of Lake Stanley  
 Draper”

**Task 3: Plant Monitoring**

**Output a: Monitoring Data Set**

**Pre-Implementation Findings:**

Aquatic wetland plants observed in-lake prior to implementation are found in the following table:

<b>Scientific Name</b>	<b>Common Name</b>
Cephalanthus occidentalis	Buttonbush
Typha latifolia	Cattail
Polygonum spp.	Smartweed
Eleocharis palustris	Flatstem spikerush
Eleocharis spp.	Spikerush
Nitella tenuissima	brittlewort
Schoenoplectus americanus	Three square bulrush
Najas guadalupensis	Southern naiad
Chara vulgaris	Musk grass
Carex spp.	Sedge
Cyperus spp.	Sedge
Sagittaria latifolia	Arrowhead
Sagittaria graminea	Bultongue
Juncus effuses	Soft rush
Potamogeton nodosus	American pondweed
Potamogeton spp.	Pondweed

**First Assessment of Planted Propagules, Fall of 2006:**

The first survival/mortality assessment has been taken of project plantings thus far, completed October 4, 2006. The data tables may be found below. Also column descriptions and rough survival percentages have been included. A more detailed analysis and explanation will be included in the final report.

**Data Column Descriptions:**

“Plot Type”:

Caged - 3’-5’ diameter tomato cage made of PVC coated 2”x2” wire mesh with one to three species (predominantly one species)

Uncaged – Unprotected plot of 1 to 16 plants (usually 10’x10’)

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“Species”:

3 Sq – American bulrush  
Arrow – Arrowhead  
Bacp – Bacopa  
BullT – Bulltongue  
FlatS – Flatstem spikerush  
HardS – Hardstem bulrush  
LeatherL – Leatherleaf  
Liz – Lizard Tail  
Pick – Pickerelweed  
Rose – Rosemallow  
Sftst – Softstem bulrush  
SqS – Squarestem spikerush  
Tory – Torey’s rush  
Tuss – Tussock sedge  
Val – Valisneria  
Wool – Woolgrass  
WW – Waterwillow  
Yellowfox – Yellow fox sedge

“Initial % Coverage”:

Plants at first assessment. Default at planting time is 25%. Some plants were had already spread or diminished, thus the occasional 50% or 10%. See QAPP for more on methodology

“In Cage/Plot Fall 06”

% Coverage estimate for this latest assessment of spread inside the cage or plot area.

“Out of Cage/Plot Fall 06”

% Coverage estimate for this latest assessment of spread outside the cage or plot area.

“Mortality”

Dead species found within the cage or plot

“Species 2” & “Species 3”

Other species planted in the cage or plot

“Planting Elevation (MSL)” :

Conservation pool for this lake is 1189 ft. MSL. The lake is currently down at its lowest since project start, 1183.5 ft. MSL.

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**General Survival/Mortality**

Caged

Mortality (0%) – 74 of 446 cages  
Dying (10%) – 66 of 446 cages  
Insignificant spread (25%) – 231 of 446 cages  
Spread (50%) – 69 of 446 cages  
Excellent spread (75%) – 6 of 446 cages

**Total Cage survival – 83.4%**

Uncaged

Mortality (0%) – 29 of 82 plots  
Dying (10%) – 12 of 82 plots  
Insignificant spread (25%) – 31 of 82 plots  
Spread (50%) – 8 of 82 plots  
Excellent spread (75%) – 2 of 82 plots

**Uncaged plot survival – 64.6%**