Revegetation Planting Standards

Vegetation Type	Revegetation Plan	Proposed Species	Success
Emergent Wetland	-Plant with plugs and/or transplant patches of various native species common to area	-Tule (*Scirpus acutus*) -Cattail (*Typha* spp.) -Spikerush (*Eleocharis* spp.) -Sedge (*Carex* spp.)	-70% vegetation cover & 30% open water (after 5 years) -Vegetation at least 80% native with the 3 dominate obligate wetland species being native -Active weed management
Riparian	-Plant with cuttings and/or young potted plants -Water as needed for first few years	-Willow (*Salix* spp.) -Buttonbush (*Cephalanthus occidentalis*) -Cottonwood (*Populus fremontii*) -Santa Barbara sedge (*Carex barbarae*) -Mugwort (*Artemisia douglasiana*) -Coyote brush (*Baccharis pilularis*)	-50% survival of cutting and/or planted sapling (after 5 years) -Species richness at least 3 native perennial species present in four – 100 m^2 quadrates

Prepare for Planting
(Jan – Feb 2012)

•Spread top soil to desired locations
•Created access roads around each pond

North Pond
- No herbicide treatment

South Pond
- Herbicide treatment
- Native grass seed mix planted

Riparian Saplings (Feb – Mar 2012)

Sycamore (*Platanus racemosa*)
Box elder (*Acer negundo)*
Oregon ash (*Fraxinus latifolia*)
Santa Barbara sedge (*Carex barbarae*)
Mugwort (*Artemisia douglasiana*)
Live Oak (*Quercus wislizenii*)
Valley Oak (*Quercus lobata*)
Redbud (*Cercis occidentalis*)
Coyote brush (*Baccharis pilularis*)
Deer grass (*Muhlenbergia rigens*)
Wild rose (*Rosa californica*)
Coffee berry (*Rhamnus tomentella*)

Riparian Cuttings (Feb – Mar 2012)

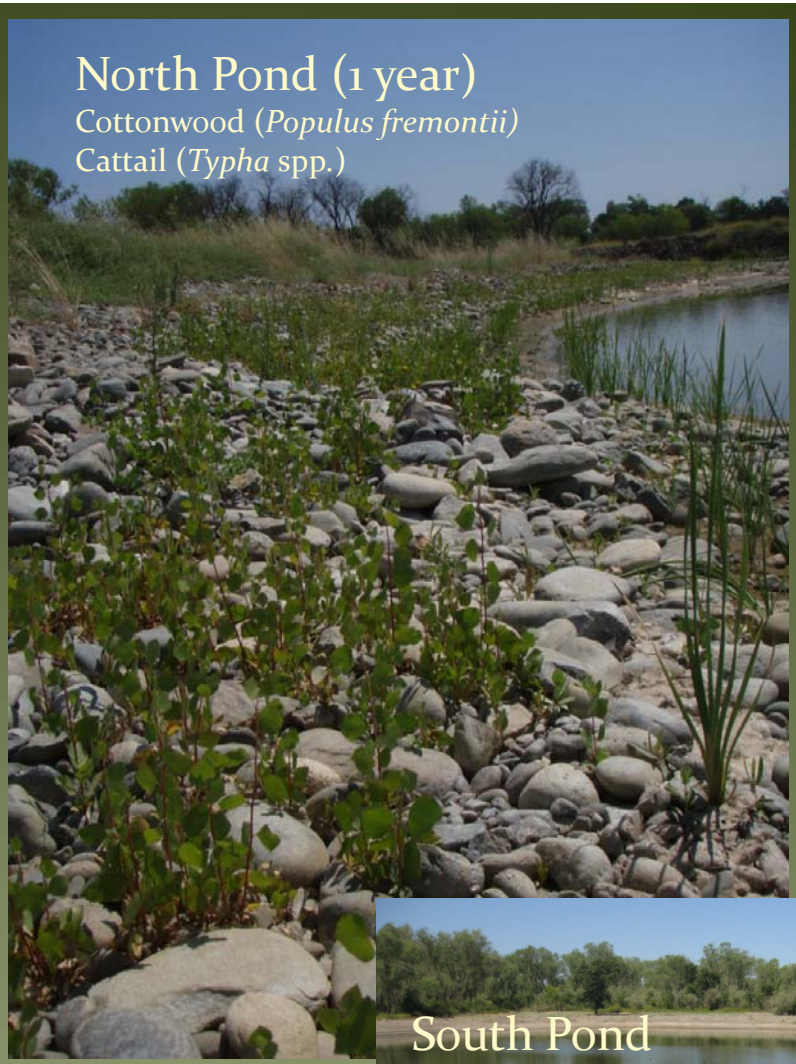
Arroyo willow (*Salix lasiolepis*)
Black willow (*Salix gooddingii*)
Buttonbush (*Cephalanthus occidentalis*)
Cottonwood (*Populus fremontii*)

Red sesbania (*Sesbania punicea*)

Riparian Natural Recruitment

Purple Loosestrife *(Lytherum salicaria)*

Yellow Starthistle (*Centaurea solstitialis*)



Proposed Emergent Wetland (October 2012)

- CA Conservation Corps plans to clear channel and relocate native vegetation patches to the emergent wetland ponds
- Target species: Tule (*Schoenoplectus acutus* var. *occidentalis*) & spikerush (*Eleocharis* ssp.)

Emergent Wetland Natural Recruitment

North Pond
Cattail (*Typha* spp.)

South Pond
Upright burhead (*Echinodorus berteroi*)

Wood Duck Boxes

Photo by Dave Bogener

In-Water Woody Habitat
(Fall 2012)

Place 10-15 dead fallen trees in each pond from the local area

Great Egret
Photo by Dave Bogener

Great Blue Heron
Photo by Dave Bogener

Western Pond Turtle

Active Weed Management

- Yellow starthistle (*Centaurea solstitialis*)
- Himalayan blackberry (*Rubus armeniacus*)
- Red sesbania (*Sesbania punicea*)
- Purple loosestrife (Lythrum salicaria)
- Giant Reed (*Arundo donax*)
- Water Primrose (*Ludwigia peploides*)
- Parrot's Feather (*Myriophyllum aquaticum*)

Goal: Convert an area of open grassland to shallow emergent wetland & riparian habitat

Before **After**

North Pond

South Pond

American Wigeon
Common Goldeneye
Bufflehead
American Coot

Green-winged Teal

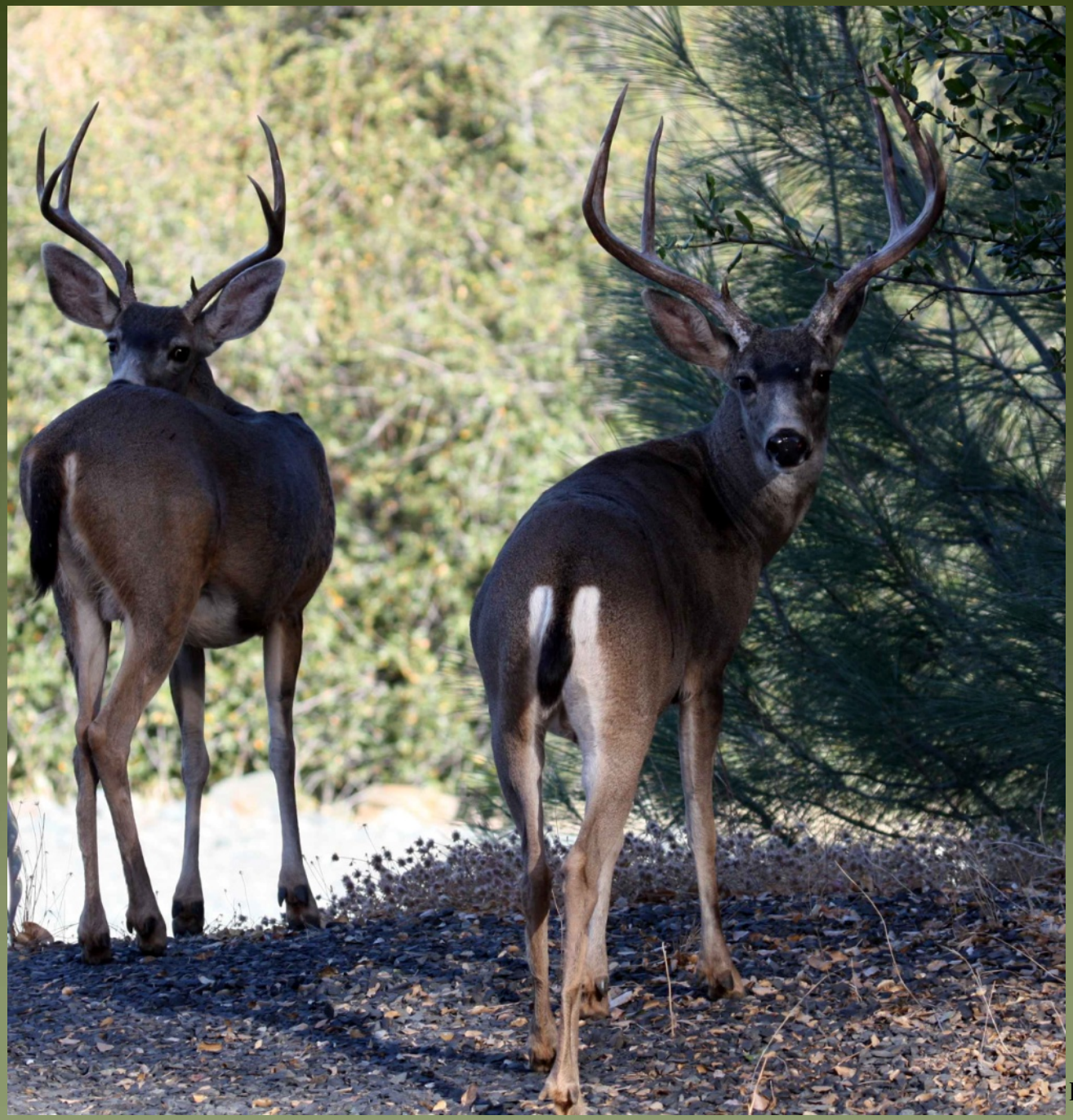
Northern Pintail

Mallard

Gadwall

Photos by Dave Bogener

California Quail
Photo by Dave Bogener



Black-tailed Deer

Wild Turkey
Photo by Dave Bogener

Canada Geese

Coyote

Questions?
Killdeer