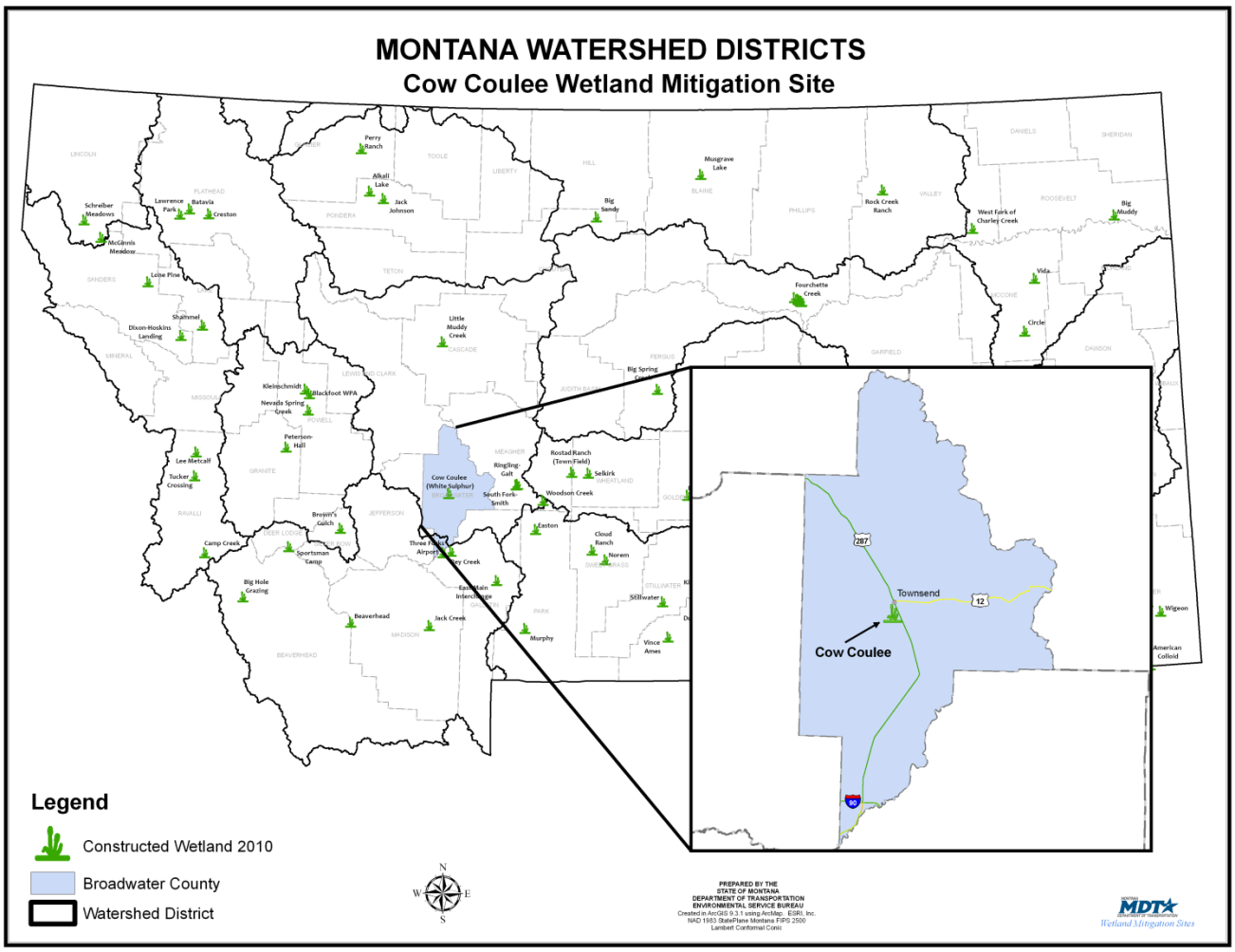
COW COULEE

Watershed # 7- Missouri-Sun-Smith River Basin
Broadwater County, Montana



LAND OWNERSHIP: PRIVATE

BACKGROUND INFORMATION

The Cow Coulee wetland mitigation project was constructed in 1997 to provide partial mitigation for existing and projected wetland impacts resulting from Montana Department of Transportation (MDT) projects in Watershed #7 (Missouri-Sun-Smith River Basin). Constructed in the MDT Butte District, the 9-acre mitigation site is located approximately southwest of the Townsend city limits in Broadwater County. This restoration project is anticipated to provide approximately 5 acres of mitigation credits to mitigate transportation projects in the watershed.

WETLAND INHABITANTS

FISH

Minnows – species unknown

AMPHIBIANS

Spotted frog (*Rana pretiosa*)

REPTILES

Common Garter Snake (*Thamnophis sirtalis*)
Racer (*Coluber constrictor*)

BIRDS

American Avocet (*Recurvirostra americana*)
American Robin (*Turdus migratorius*)
American White Pelican (*Pelecanus erythrorhynchos*)
Bank Swallow (*Riparia riparia*)
Black-billed Magpie (*Pica pica*)
Blue-winged Teal (*Anas discors*)
Brown-headed Cowbird (*Molothrus ater*)
California Gull (*Larus californicus*)
Canada Goose (*Branta Canadensis*)
Cinnamon Teal (*Anas cyanoptera*)
Clay-colored Sparrow (*Spizella pallida*)
Common Nighthawk (*Chordeiles minor*)
Common Raven (*Corvus corax*)
Common Snipe (*Gallinago gallinago*)
Double-crested Cormorant (*Phalacrocorax auritus*)
Eastern Kingbird (*Tyrannus tyrannus*)
European Starling (*Sturnus vulgaris*)
Grasshopper Sparrow (*Ammodramus savannarum*)
Gray Catbird (*Dumetella carolinensis*)
Green-winged Teal (*Anas crecca*)
Killdeer (*Charadrius vociferous*)
Mallard (*Anas platyrhynchos*)
Mountain Bluebird (*Sialia currucoides*)
Mourning Dove (*Zenaida macroura*)
Northern Flicker (*Colaptes auratus*)
Northern Rough-winged Swallow (*Stelgidopteryx serripennis*)
Osprey (*Pandion haliaetus*)
Red-tailed Hawk (*Buteo jamaicensis*)
Red-winged Blackbird (*Agelaius phoeniceus*)
Ring-billed Gull (Larus delawarensis)
Ring-necked Pheasant (*Phasianus colchicus*)
Sandhill Crane (*Grus Canadensis*)
Song Sparrow (*Melospiza melodia*)
Spotted Sandpiper (*Actitis macularia*)
Tree Swallow (*Tachycineta bicolor*)
Violet-green Swallow (*Tachycineta thalassina*)
Western Meadowlark (*Sturnella neglecta*)
Wood Duck (*Aix sponsa*)
Yellow Warbler (*Dendroica petechia*)
Yellow-headed Blackbird (*Xanthocephalus xanthocephalus*)

MAMMALS

American Badger (*Taxidea taxus*)
Meadow Vole (*Microtus pennsylvanicus*)
White-tailed deer (*Odocoileus virginianus*)
Raccoon (*Procyon lotor*)
Striped skunk (*Mephitis mephitis*)
Mountain cottontail *(Sylvilagus nuttallii)*

Bolded species were observed during 2004 monitoring. All other species were observed during one or more of the previous monitoring years, but not during 2004.



American Avocet



Common Garter Snake

WETLAND VEGETATION

Dominant wetland vegetation

Four community types were observed

Type 1- Broad-leaf cattail (*Typha latifolia)* and Hard stem bulrush (*Scirpus acutus*)

Type 2- Beaked sedge (*Carex rostrata)* and Baltic rush (*Juncus balticus)*

Type 3- Salt marsh bulrush (*Scirpus maritimus)*

Type 4- Foxtail barley (*Hordeum jubatum)* and Rocky Mountain Iris (*Iris missouriensis*)



Rocky Mountain Iris

Cow Coulee



Click the icon below for complete monitoring reports for this site (2001 to 2004)

MONTANA MDT DEPARTMENT OF TRANSPORTATION

Wetland Mitigation Site