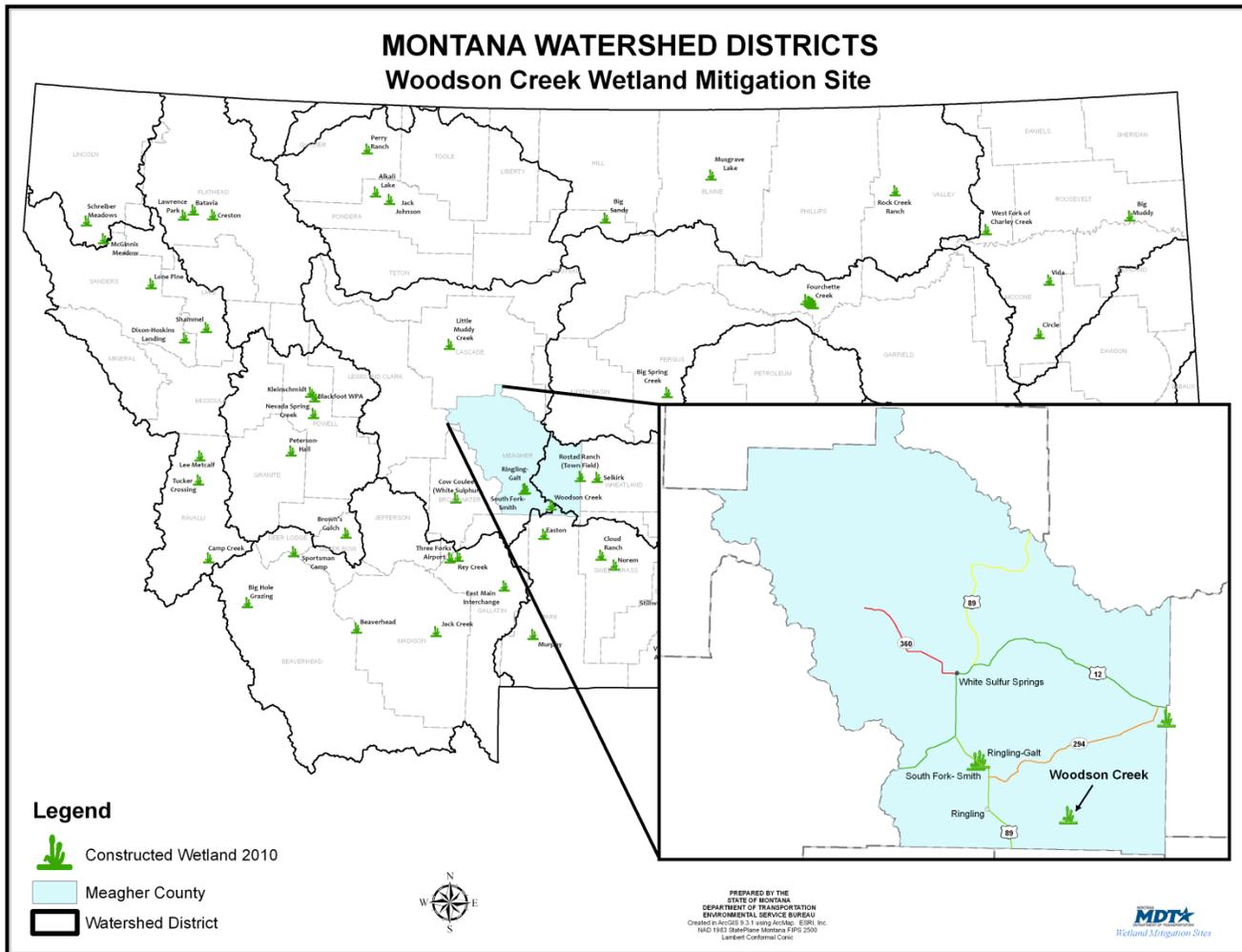


WOODSON CREEK

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



LAND OWNERSHIP: PRIVATE

BACKGROUND INFORMATION

The Woodson Creek mitigation site was a cooperative project between the Montana Department of Transportation (MDT), Oasis Environmental Inc., and a private landowner to develop wetland mitigation for transportation impacts within the Watershed # 7 – Missouri –Sun – Smith River basin. The project was constructed in 2006 on a private property to the east of the town of Ringling in Meagher County, Montana. The site is protected in perpetuity by an MDT Wetland Conservation Easement.

The goal of the project was to restore a channelized reach of Woodson Creek, a tributary to Sixteen Mile Creek to its original configuration by increasing channel sinuosity and re-creating natural pools and riffles, and creating a shallower channel so that flood events could occupy its associated floodplain wetlands. In addition to the stream restoration the project also involved the restoration and creation of wetlands throughout the project area. It is anticipated that the project will provide MDT with approximately 44 acres of palustrine emergent and scrub/shrub wetland mitigation credit for future transportation project-related wetland impacts in the watershed.

The project will also provide MDT with Stream Mitigation credits still to be determined for the Woodson Creek stream restoration portion of the project.

WETLAND INHABITANTS

FISH	
Fish, likely brook trout (<i>Salvelinus fontinalis</i>)	
AMPHIBIAN	
Columbia spotted frog (<i>Rana luteiventris</i>)	Western toad (<i>Bufo boreas</i>) Adult and tadpoles
REPTILE	
Western garter snake (<i>Thamnophis elegans</i>)	
BIRD	
American Avocet (<i>Recurvirostra americana</i>) ¹ American Kestrel (<i>Falco sparverius</i>) ¹ American Pelican (<i>Pelecanus erythrorhynchos</i>) American Wigeon (<i>Anas americana</i>) Bald Eagle (<i>Haliaeetus leucocephalus</i>) ¹ Barn Swallow (<i>Hirundo rustica</i>) Blue-winged Teal (<i>Anas discors</i>) ¹	Lesser Scaup (<i>Aythya affinis</i>) ¹ Long-billed Curlew (<i>Numenius americanus</i>) ¹ Mallard (<i>Anas platyrhynchos</i>) Northern Harrier (<i>Circus cyaneus</i>) Northern Pintail (<i>Anas acuta</i>) ¹ Northern Shoveler (<i>Anas clypeata</i>) Red-tailed Hawk (<i>Buteo jamaicensis</i>) ¹
BIRD (continued)	
Canada Goose (<i>Grus canadensis</i>) ¹ Cinnamon Teal (<i>Anas cyanoptera</i>) ¹ Cliff Swallow (<i>Hirundo pyrrhonota</i>) Common Snipe (<i>Gallinago gallinago</i>) Double-crested Cormorant (<i>Phalacrocorax auritus</i>) ¹ Eastern Kingbird (<i>Tyrannus tyrannus</i>) ¹ Gadwall (<i>Anas strepera</i>) ¹ Golden Eagle (<i>Aquila chrysaetos</i>) ² Great Blue Heron (<i>Ardea herodias</i>) ¹ Great-horned Owl (<i>Bubo virginianus</i>) Green-winged Teal (<i>Anas crecca</i>) ¹ Killdeer (<i>Charadrius vociferous</i>)	Red-winged Blackbird (<i>Agelaius phoeniceus</i>) Ring-necked Pheasant (<i>Phasianus colchicus</i>) ¹ Rock Dove (<i>Columba livia</i>) Sandhill Crane (<i>Grus canadensis</i>) Savannah Sparrow (<i>Passerculus sandwichensis</i>) Sora (<i>Porzana carolina</i>) ² Swainson's Hawk (<i>Buteo swainsoni</i>) ¹ Yellow headed Blackbird (<i>Xanthocephalus xanthocephalus</i>) ¹ Whistling Swan (<i>Cygnus columbianus</i>) ¹ Willet (<i>Catoptrophorus semipalmatus</i>) Wilson's phalarope (<i>Phalaropus tricolor</i>)
MAMMAL	
Black-tailed Jack Rabbit (<i>Lepus californicus</i>) ² Bobcat (<i>Lynx rufus</i>) ¹ Coyote (<i>Canis latrans</i>) ¹ Moose (<i>Alces alces</i>) ¹ Mouse Mule deer (<i>Odocoileus hemionus</i>) ¹ Porcupine (<i>Erethizon dorsatum</i>) ¹	Raccoon (<i>Procyon lotor</i>) ¹ Red Fox (<i>Vulpes vulpes</i>) ¹ Shrew Striped skunk (<i>Mephitis mephitis</i>) Vole White-tail deer (<i>Odocoileus virginianus</i>)

¹ Species observed by property manager or Oasis Environmental.

² Species observed by MDT.

Bolded species were observed in 2008.



Red-tailed Hawk



Western toad

WETLAND VEGETATION

Dominant wetland vegetation

Four community types were observed

Type 1– Creeping meadow foxtail/Mixed grasses (*Alopecurus arundinaceus*/Mixed graminoids)

Community **Type 2** – Mixed grasses (Mixed graminoids)

Type 3 – Creeping meadow foxtail (*Alopecurus arundinaceus*)

Type 4 – Reed canary grass/Beaked sedge (*Phalaris arundinaceae*/*Carex utriculata*)

Dominant mixed graminoid species:

Creeping spike rush (*Eleocharis palustris*)

Nebraska sedge (*Carex nebrascensis*)

Clustered field sedge (*Carex praegracilis*)

Redtop (*Agrostis stolonifera*)

Baltic rush (*Juncus balticus*)



Redtop



Woodson Creek



Click the icon below for complete monitoring reports for this site (2007 to 2010)

