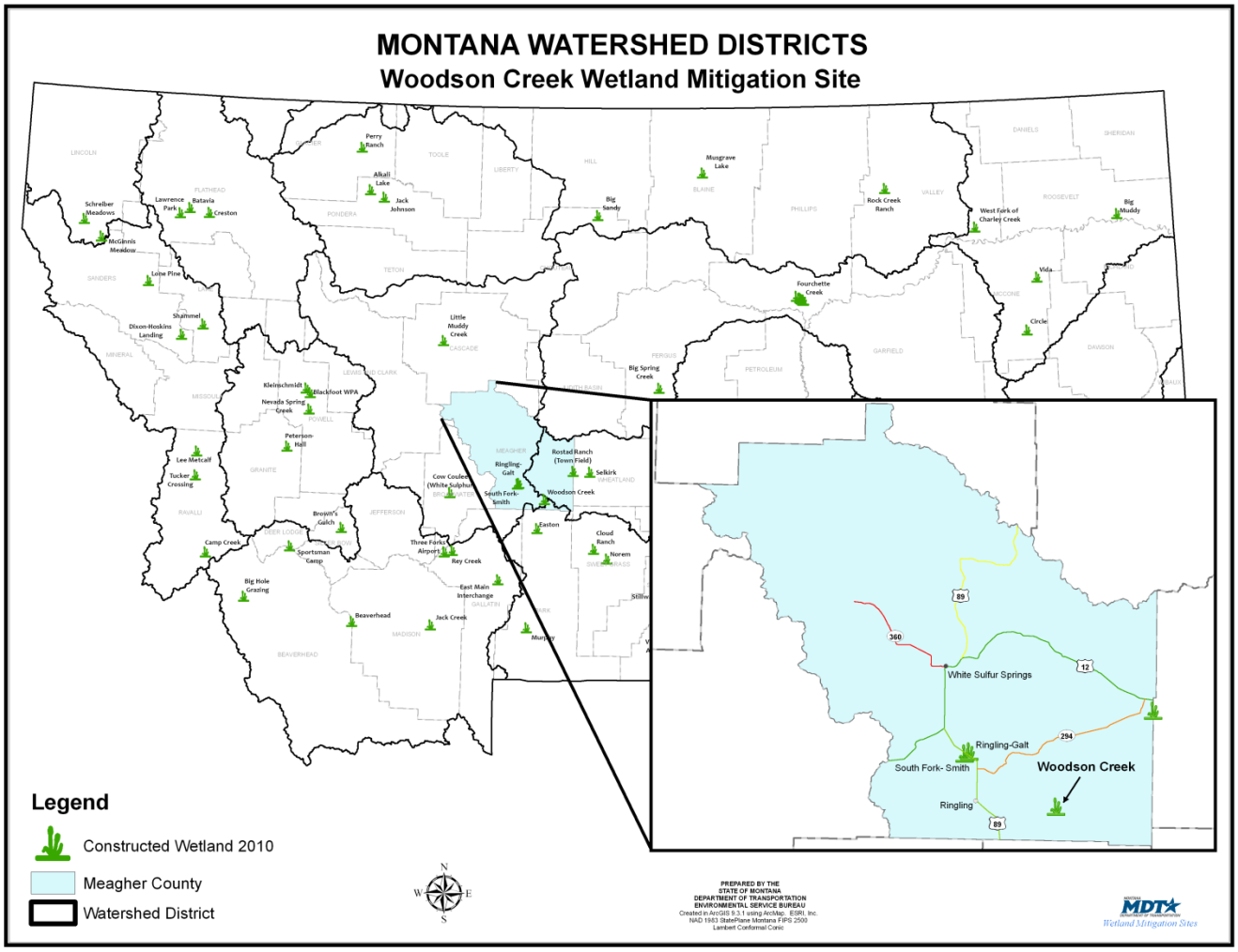
WOODSON CREEK

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

[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)

MONTANA DEPARTMENT OF TRANSPORTATION

Wetland Mitigation Site