

Listing Factor Addressed: The present or threatened destruction, modification, or curtailment of habitat or range.

State: MT

(Includes habitat restoration projects, restoration or passage, increased water flows, water leases, conservation easements, etc.)

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|---------------|-----------------------|---|--|----------------------|----------------|---------------------|
| Bighorn River | Black Canyon Creek | Reintroduce YCT from Rotten Grass Creek to Black Canyon Creek | Establish new population | | September 1999 | USFWS Crow Tribe |
| Bighorn River | Crooked Creek | Improved grazing strategies in drainage | Riparian habitat protection | 10 miles | 1969 | FWP BLM |
| Bighorn River | Crooked Creek | Provide fish habitat recommendations for Crooked Creek Allotment Management Plan | Riparian habitat protection | 15 miles | 1986 | FWP BLM |
| Bighorn River | Crooked Creek | Install riparian fencing and modify grazing practices | Riparian habitat protection | 6.5 miles | 1992 | FWP USFS |
| Bighorn River | Crooked Creek | Revisit identified barrier | Monitor integrity of barrier and evaluate needs for enhancement | 5 miles | 1999 | FWP |
| Bighorn River | Dry Head Creek | Survey lower end of stream for barriers | Locate potential barriers | 14 miles | 1999 | FWP |
| Bighorn River | Hoodo Creek | Survey lower end of stream for barriers | Locate potential barriers and evaluate for reintroduction of YCT | 7 miles | 1999 | FWP |
| Bighorn River | Little Bull Elk Creek | Reintroduce YCT from Big Bull Elk Creek to Little Bull Elk Creek | Establish new population | | August 1999 | USFWS Crow Tribe |
| Boulder River | Meat Rack Creek | Removed sheep allotment and stocked YCT into stream | Expand range of YCT into quality habitat | 4-5 miles | 1979 | USFS FWP |
| Boulder River | Meat Rack Creek | Monitor turbidity and grazing impacts | Monitor grazing impacts on YCT stream | 8 miles | 1986-1987 | USFS |
| Boulder River | Silver Lake | Stocked YCT | Swamp out of a population of rainbow trout | 7 acres | 1998 | FWP |
| Boulder River | W. Fork Boulder River | Willow planting in W. Boulder meadows | Riparian vegetation improvements; bank stabilization | 1 mile | 1992 | USFS |
| Sage Creek | Piney Creek | Protection of riparian area around spring at head of stream | Riparian habitat protections | 1.5 miles | 1986 | FWP USFS |
| Sage Creek | Piney Creek | Evaluated impacts of expansion of a limestone quarry and storage of fly ash waste at quarry site located near spring. | Protection of water quality and quantity in spring near source of spring | 1.5 miles | 1986 | FWP |
| Shields River | Bennett Creek | Streambank stabilization | Reduce bank erosion; habitat protection | 1 mile | 1995 | USFS |
| Shields River | Brackett Creek | Streambank Stabilization | Habitat Restoration | 0.5 miles | 1999 | USFS |
| Shields River | Deep Creek | Habitat enhancement | Increase pool frequency | 2 miles | 1995 | USFS |
| Shields River | Deep Creek | Grazing allotment management plan revisions | Reduce riparian utilization; habitat protection | 1 mile | 1999 | USFS |

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|-------------------|---|---|--|----------------------|----------------|----------------------|
| Shields River | N.F. Willow Creek | Riparian protection/Strambank restoration | Habitat Restoration | 1 mile | 1996-1999 | USFS |
| Shields River | N.F. Willow Creek | Pool Habitat Development | Habitat Restoration | 0.5 miles | 1996 | USFS |
| Shields River | Shields River | Grazing allotment management plan revisions | Riparian fencing at campground; habitat protection | 1 mile | 1994 | USFS |
| Shields River | Shields River | Streambank stabilization | Reduce bank erosion; habitat protection | 1 mile | 1995 | USFS |
| Shields River | Shields River | Moratorium on large timber sales | Habitat protection | 30 miles | 1993 | USFS |
| Shields River | Shields River | Stabilize a 1,830 foot reach of the Shields River using bank shaping, rootwad revetment, rock vanes, vortex rock weirs, and revegetation | Stream habitat improvement | 1,830' | 1999-2000 | FWP |
| Shields River | Shields River upper watershed | Road closures and obliteration | Reduce sediment | 30 miles | 1993 | USFS |
| Shields River | Shields River/Elk Creek | Riparian fencing along 2.5 miles and water development | Riparian habitat protection | 2.5 miles | 1998 | FWP |
| Stillwater | Bad Canyon Creek | Moved pure YCT from Placer Creek into Bad Canyon Creek above barrier | Range expansion | 3 miles | 1994 | FWP USFS |
| Yellowstone River | All streams within the Gallatin National Forest | Firewood cutting restrictions within 100 feet of any stream | Habitat protection | All streams in GNF | 1996 | |
| Yellowstone River | Big Creek | Lease water in a seasonally dewatered stream by salvaging water saved by replacing a flood irrigation system on two ranches with a more efficient sprinkler system. | Increase and maintain flows | | 1998-ongoing | FWP |
| Yellowstone River | Boulder River | Install a series rock grade controls to allow for bed load transport and eliminate the need for annual equipment operation in the stream | Eliminate barrier to fish migration | | | FWP |
| Yellowstone River | Cedar Creek | Water Lease | Maintain instream flows | 6 miles | 1995 | FWP USFS |
| Yellowstone River | ESP Spring Creek | Reconstructed spring creek and hatched 5,000 eyed eggs in stream | Develop a spawning stream for YCT | ½ miles | 1999 | NRCS FWP USFWS |
| Yellowstone River | ESP/Chambers Creek | Removal of migration barriers, restoring stream banks, and riparian fencing | Restore access and improve habitat | | 1998 | FWP |
| Yellowstone River | Ferrell Lake | Habitat enhancement | Establish lake population of YCT | 15 acres | 1994-ongoing | USFS |

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|-------------------|-----------------------------|---|--|----------------------|----------------|-----------------------------|
| Yellowstone River | Fleshman Creek | Channel Improvement, placement of spawning gravels, trash cleanup, and bank stabilization | Improve spawning and rearing habitat for trout in lower Fleshman Creek | | 1992 | FWP SCS Park CD TU |
| Yellowstone River | Huntly irrigation diversion | Installation of a rock fishway to allow passage | Passage around diversion structure | | 1999 | FWP |
| Yellowstone River | Locke Creek | Renovation of an existing irrigation system on private property that allowed more water to be left in-stream | Flow enhancement | | 1996 | FWP |
| Yellowstone River | Lower Deer Creek | YCT introduction above barrier falls | Range expansion | 5 miles | 1991 | FWP/USFS |
| Yellowstone River | Lower Deer Creek | Moved YCT above a barrier falls into a barren stream reach | To expand range in drains upstream of brown trout competition | 2 miles | 1989 | FWP |
| Yellowstone River | Mill Creek | Habitat enhancement | Increase pool frequencies and overwintering habitat | 5 miles | 1992 | USFS |
| Yellowstone River | Mill Creek | Habitat enhancement | Increase pool frequencies and overwintering habitat | 6 miles | 1996 | USFS |
| Yellowstone River | Mill Creek | Firewood cutting restrictions/area closures | Increase recruitment of woody debris in channel | 15 miles | 1997 | |
| Yellowstone River | Mill Creek | Enhancement of habitat along a one mile reach that has been channelized | Habitat Enhancement | | 1997 | FWP |
| Yellowstone River | Mill Fork Mission Creek | Willow Planting | Reduce bank erosion; improve riparian conditions | 1 mile | 1999 | USFS |
| Yellowstone River | Mill Fork Mission Creek | Suspended planned timber sale | YCT habitat protection | 25 miles | 1991 | USFS |
| Yellowstone River | Mission Creek | Revised grazing allotment management plan | Improve riparian conditions | 5 miles | 1998 | USFS |
| Yellowstone River | Mol Heron Creek | Conservation easement/deed restrictions on RTR land exchange | Population and habitat protection | 2 miles | In progress | USFS |
| Yellowstone River | Mol Heron Creek | Modifying an existing diversion that was a barrier to migration of spawning fish so it was no longer a barrier, installing a more efficient irrigation system, and leasing water for improved instream flow | Flow enhancement | | 1996-present | FWP |
| Yellowstone River | Rock Creek | Road obliteration | Reduce sediment | 15 miles | 1998 | USFS |
| Yellowstone River | Sixmile Creek | Habitat enhancement project in historically dredged stream | Increase pool frequency to natural levels | 4 miles | 1998 | USFS |
| Yellowstone River | Sixmile Creek | Watershed stabilization following 1999 fires | Reduce sediment delivery to channel | 4 miles | 1999 | USFS |

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|-------------------|----------------------------|--|--|----------------------|----------------|---------------|
| Yellowstone River | Slough Creek | Emergency watershed rehab. Following 1988 fires (included seeding; improved drainage) | Stabilize slopes, reduce sediments | 15 miles | 1988 | USFS |
| Yellowstone River | Slough Creek | Beaver reintroduction | Stabilize channel; riparian vegetation Enhancement | 15 miles | 1990-ongoing | USFS |
| Yellowstone River | Soda Butte Creek | McLaren Tailings reclamation | Reduce metals | 20 miles | 1972/1989 | EPA |
| Yellowstone River | Soda Butte Creek | Water quality studies | Determine metal concentrations in YCT and effects of McClaren tailings | 20 miles | 1994, 1995 | USFS NBS |
| Yellowstone River | Soda Butte Creek | Remove buried pipeline | Reduce iron | 20 miles | 1998 | USFS |
| Yellowstone River | Soda Butte Creek | New World Mine buy-out | Protect stream from potential mining impacts | 20+ miles | 1996 | USFS USFWS |
| Yellowstone River | Soda Butte Creek | Cooke City Mineral withdrawal | Protect stream from potential mining impacts | 20+ miles | 1997 | USFS |
| Yellowstone River | Sweet Grass Creek | Riparian fencing along 0.9 miles of streambank, and development of a grazing management plan to protect the stream | Riparian habitat protection | 0.9 miles | 1998 | FWP |
| Yellowstone River | Upper and lower Deer Creek | Modified Iron Mountain timber sale proposal | Constrain sediment delivery; habitat protection | 20 miles | 1998 | USFS |
| Yellowstone River | W. Fork Mill Creek | Habitat enhancement | Increase pool frequencies and overwintering habitat | 12 miles | 1999 | USFS |
| Yellowstone River | West Pine Creek | Suspended planned timber sale | YCT habitat protection | 6 miles | 1999 | USFS |
| Yellowstone River | West Pine Creek | Watershed rehab./road obliteration | Reduce sediment | 6 miles | 1993 | USFS |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Listing Factor Addressed: The inadequacy of existing regulatory mechanisms to protect populations of YCT

State: MT

(Includes relevant laws, rules, and policies such as stream protection laws, forest practices rules, stocking policies, fish health policies)

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|--------------------------------------|-------------------------------------|---|---|----------------------|------------------|-------------|
| Statewide | Statewide | Streamside Management Zone law | Stream and riparian habitat protection and protection of water quality | Rangewide | Ongoing | DNRC |
| Statewide | Statewide | Grazing BMPs | Stream and riparian habitat protection and protection of water quality | Rangewide | Ongoing | |
| Statewide | Statewide | TMDL – Clean Water Act | Stream and riparian habitat protection and protection of water quality | Rangewide | Ongoing | DEQ |
| Statewide | Statewide | Review more than 150 Stream Protection Act 124 permit applications, 310 permit applications, subdivision reviews, timber sales, mining EAs, water use applications, pond stocking applications, etc. and make recommendations to protect YCT trout habitat. | Stream and riparian habitat protection and protection of water quality | Rangewide | Ongoing annually | FWP |
| Gallatin and Custer National Forests | | Modify grazing allotment management plans to protect and conserve conservation populations of YCT | Stream and riparian habitat protection and protection of water quality | | | USFS |
| Gallatin and Custer National Forests | | Review an average of 25 NEPA Environmental Assessments and Environmental Impact Statements, and make recommendations to minimize or eliminate impacts to conservation populations of YCT. | Stream and riparian habitat protection and protection of water quality; protection of conservation populations of YCT | | | FWP |
| Yellowstone Drainage | Yellowstone upstream of Clarks Fork | No use of live bait above Clarks Fork | Prevent introduction and spread of potential diseases, parasites, and undesirable nonnative species | Rangewide | Ongoing | FWP |
| | | | | | | USFS |
| | | | | | | USFS |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| | | | | | | |

Listing Factor Addressed: Other natural or human induced factors affecting its continued existence

State: MT

(Includes all other efforts such as public outreach, angler education, conservation and management planning, interstate coordination, etc.)

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|----------------------|----------------------|---|--|-----------------------------|--------------------|------------------------------------|
| | | | | | | |
| Rangewide in Montana | Rangewide in Montana | Development of Cooperative Conservation Agreement and Program Plan for Yellowstone Cutthroat Trout in Montana | Coordination and long-term planning for conservation of YCT | Rangewide in Montana | Ongoing | FWP USFS USFWS Crow Tribe |
| Rangewide | Rangewide | Participation in Interstate Coordination Committee for YCT with Idaho, Wyoming, Nevada, Utah, Yellowstone National Park, and U.S. Forest Service | Coordination and data sharing among state and federal management agencies with responsibility for conservation of YCT | Rangewide | Ongoing | FWP |
| Rangewide in Montana | Rangewide in Montana | Genetic analysis and monitoring; maintenance of genetic analysis results in MRIS database | Determination of purity of known and newly discovered populations of YCT; monitoring genetic status of previously tested populations | Rangewide in Montana | Ongoing since 1983 | FWP USFS |
| Rangewide | Rangewide | Public education about native fish and their importance to Montana's aquatic ecosystems. Includes school programs, "I Release Cutthroats" bumper stickers, fish identification aids, signing of trail heads, media contacts, etc. | Increase public awareness of YCT and native fish, and issues surrounding conservation of native fish | Rangewide in Montana | Ongoing | |
| Rangewide | Rangewide | Strong regulations regulating importation, transportation, and release of live aquatic organisms into state waters. | Prevent introduction and spread of potential diseases, parasites, and undesirable nonnative species | Rangewide in Montana | Ongoing | FWP |
| Rangewide | Rangewide | Extensive disease testing and monitoring of all hatcheries within the state (public and private) | Prevent introduction and spread of potential diseases, parasites, and undesirable nonnative species | Rangewide in Montana | Ongoing | FWP |
| Yellowstone Lake | Yellowstone Lake | Extensive efforts to suppress lake trout | Reduce predation on YCT | Yellowstone Lake and tribs. | Ongoing since 1997 | YNP |
| Bighorn River | Dry Head Creek | Developed Conservation Plan | Protection of existing YCT population and expansion of population into fishess section of stream | 14 miles | 1999 | USFS FWP |

Survey and Inventory Efforts

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|---------------|---------------------------|--|---|----------------------|----------------|-------------|
| Bighorn River | Crooked Creek | Survey shocking in upper drainage | Attempt to locate pure YCT | 5 miles | 1985 | FWP |
| Bighorn River | Crooked Creek | Collection and analysis of 14 YCT from upper drainage | Genetic analysis | 5 miles | 1985 | FWP |
| Bighorn River | Crooked Creek | Conduct fish population estimate on 1000' of stream above potential barrier; survey shocking below barrier | Determine if YCT were isolated from rainbow and brown trout in upper drainage | 15 miles | 1986 | FWP |
| Bighorn River | Crooked Creek | Survey entire length of stream in upper canyon section | Locate potential barriers and survey for YCT | 6 miles | 1986 | FWP |
| Bighorn River | Crooked Creek | Survey electroshocking | Monitor status of YCT population | 5 miles | 1992 | FWP |
| Bighorn River | Dry Head Creek | Survey lower end of stream for barriers | Locate potential barriers | 14 miles | 1999 | FWP |
| Bighorn River | Dry Head Creek | Fish population surveys in different stream sections | ID fish present and evaluate potential reintroduction sections | 14 miles | 1992 - 1996 | FWP |
| Bighorn River | Dry Head Creek | Aquatic insect sampling from upper and lower ends of stream | Collection of baseline data for EA to introduce YCT above barrier in upper drainage | 5 miles | 1999 | FWP USFS |
| Bighorn River | Hoodoo Creek | Fish population survey (hook and line) above barrier | ID fish species present and collect genetic tissue for analysis | 7 miles | 1999 | FWP |
| Bighorn River | Punch Bowl Creek | Stream and fish population surveys | Attempt to locate YCT populations, potential reintroduction sites, and potential barriers | 5 miles | 1992-1996 | FWP USFS |
| Boulder River | Boulder River | Electrofishing estimates in 4 sections above natural bridge | Determine YCT distribution and abundance in the Boulder River | 23 miles | 1986 | FWP |
| Boulder River | Boulder River | Habitat studies | Limiting habitat factor analysis | 10 | 1992 | USFS |
| Boulder River | E. Fk. Main Boulder River | Habitat studies/grazing effects studies | Limiting habitat factor analysis | 5 | 1997 | USFS |
| Boulder River | Placer Creek | Electrofishing YCT from Placer Basin to transplant into Bad Canyon Creek | Genetic testing | 3 miles | 1993 | FWP USFS |
| Boulder River | West Boulder River | Channel geometry studies | Determine grazing effects | 2 | 1991 | USFS |
| Sage Creek | Piney Creek | Fish population estimate and collection of 10 YCT for genetic analysis | Population and genetic monitoring | 1.5 miles | 1994 | FWP |
| Shields River | Shields River | Population Survey | Determine abundance of all fish species present; presence/absence of YCT | 2.5 miles | 1999 | FWP |
| Shields River | Porcupine Creek | Population Survey | Determine abundance of all fish species present; presence/absence of YCT | 800' | 1999 | FWP |
| Shields River | N. Fk. Elk Creek | Population Survey | Determine abundance of all fish species present | 1000' | 1999 | FWP |

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|------------------|------------------------|--|---|----------------------|----------------|-------------|
| Shields River | S. Fk. Elk Creek | Population Survey | Determine abundance of all fish species present; presence/absence of YCT | 500' | 1999 | FWP |
| Shields River | Daisy Dean Creek | Population Survey | Determine presence/absence of all fish species | 1000' | 1999 | FWP |
| Shields River | Horse Creek | Population Survey | Determine abundance of all fish species present; presence/absence of YCT | 750' | 1999 | FWP |
| Shields River | Cottonwood Creek | Population Survey | Determine abundance of all fish species present; presence/absence of YCT | 1113' | 1999 | FWP |
| Shields River | Bangtail Creek | Habitat and Population Assessment | Baseline Information | 3 miles | 1999 | USFS |
| Shields River | Bennett Creek | Habitat and population surveys | Limiting habitat factor analysis | 3 | 1992, 1993 | USFS |
| Shields River | Brackett Creek | Habitat and Population Assessment | Baseline Information | 5 miles | 1999 | USFS |
| Shields River | Buck Creek | Habitat and population surveys | Limiting habitat factor analysis | 2 | 1992, 1993 | USFS |
| Shields River | Cottonwood Creek | Population Surveys | Determine abundance of all fish species and presence/absence of Yellowstone cutthroat trout | 1113 feet | 1999 | FWP |
| Shields River | Daisy Dean Creek | Population Surveys | Presence/Absence | 1000 feet | 1999 | FWP |
| Shields River | Deep Creek | Habitat and population surveys | Limiting habitat factor analysis | 3 | 1992, 1993 | USFS |
| Shields River | Dugout Creek | Habitat and population surveys | Limiting habitat factor analysis | 2 | 1992, 1993 | USFS |
| Shields River | Fairy Creek | Habitat and Population Assessment | Baseline Information | 2 miles | 1999 | USFS |
| Shields River | Horse Creek | Population Surveys | Determine abundance of all fish species and presence/absence of Yellowstone cutthroat trout | 750 feet | 1999 | FWP |
| Shields River | North Fork Elk Creek | Population Surveys | Presence/Absence | 1000 feet | 1999 | FWP |
| Shields River | Porcupine Creek | Population Surveys | Determine abundance of all fish species and presence/absence of Yellowstone cutthroat trout | 800 feet | 1999 | FWP |
| Shields River | S.F. Flathead Creek | Habitat and Population Assessment | Baseline Information | 1 mile | 1998 | USFS |
| Shields River | Shields River | Population Surveys | Determine abundance of all fish species and presence/absence of Yellowstone cutthroat trout | 2.5 miles | 1999 | FWP |
| Shields River | Shields River | Habitat and population surveys | Limiting habitat factor analysis | 5 miles | 1992, 1998 | USFS |
| Shields River | Shields River | Watershed surveys and aerial reconnaissance surveys | Restoration planning | 200 miles | 1998-1999 | USFS |
| Shields River | South Fk Shields River | Habitat and population surveys | Limiting habitat factor analysis | 3 miles | 1992, 1993 | USFS |
| Shields River | South Fork Elk Creek | Population Surveys | Determine abundance of all fish species and presence/absence of Yellowstone cutthroat trout | 500 feet | 1999 | FWP |
| Yellowstone Rive | Tributaries | Surveyed 86 streams along Absarokee-Beartooth Mountain front the Boulder | To determine distribution and genetic status of YCT collected | 86 streams | 1984-1998 | USFS FWP |

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|-------------------|---------------------------|--|--|----------------------|-----------------|----------------|
| | | River to the Woming State Line | | | | |
| Yellowstone River | Absarokee-Beartooth Lakes | Monitoring and maintaining by stocking 159 lakes in the A-B with pure YCT (65 are self-sustaining) | To maintain fishable populations of YCT in A-B lakes and streams | 159 lakes | 1969-1999 | FWP |
| Yellowstone River | Bassett Creek | Stream survey | Determine potential for YCT reintroduction | 3 miles | 1994 | USFS |
| Yellowstone River | Crazy Mountains | Monitoring and maintaining by stocking 10 lakes in the Crazy Mountains with pure YCT (3 are self-sustaining) | To maintain fishable populations of YCT in the Crazy Mountains | 10 lakes | 1969-1999 | FWP |
| Yellowstone River | Deer Creek (lower) | Habitat and population surveys | Limiting habitat factor analysis | 8 miles | 1992 | USFS |
| Yellowstone River | Deer Creek (upper) | Habitat and population surveys | Limiting habitat factor analysis | 2 miles | 1997 | |
| Yellowstone River | Eagle Creek | Stream survey | Determine potential for YCT reintroduction | 4 miles | 1994 | USFS |
| Yellowstone River | Fridley Creek | Habitat and population surveys | Limiting habitat factor analysis | 4 miles | 1999 | USFS |
| Yellowstone River | Little Trail Creek | Stream survey | Determine potential for YCT reintroduction/genetic swamping | 4 miles | 1994 | USFS |
| Yellowstone River | Mol Heron Creek | Habitat and population surveys | Limiting habitat factor analysis | 5 miles | 1995,1996, 1998 | USFS |
| Yellowstone River | Republic Creek | Survey and Inventory | Determine origin of competitive species | 5 miles | 1994 | USFS |
| Yellowstone River | S. Fk. Big Timber Crk | Habitat and population surveys | Limiting habitat factor analysis | 5 miles | 1994 | USFS |
| Yellowstone River | Sheep Creek | Survey and Inventory | Determine origin of competitive species | 5 miles | 1994 | USFS |
| Yellowstone River | Slough Creek | Sediment monitoring | Determine post-fire sediment effects | 15 miles | 1987-1993 | USFS |
| Yellowstone River | Slough Creek | Level IV Rosgen surveys; aerial photo geometric studies | Determine historic vs. present rates of channel migration used for watershed planning and management | 15 miles | 1994-ongoing | USFS |
| Yellowstone River | Soda Butte Creek | Survey and Inventory | Determine origin of competitive species | 5 miles | 1994 | USFS |
| Yellowstone River | Soda Butte Creek | Habitat survey | Determine potential for habitat enhancemnt | 5 miles | 1972/1994 | USFS |
| Yellowstone River | Soda Butte Creek | Macroinvertebrate studies | Determine effects of high metals | 20 miles | 1974-1999 | USFS, MSU, NBS |
| Yellowstone River | Soda Butte Creek | Instream flow studies | Determine flow requirements for YCT | 20 miles | 1987 | MSU |
| Yellowstone River | Soda Butte Creek | Sediment/metal studies | Determine origin and existing metal concentrations in instream sediments | 20 miles | 1996 | MSU |
| Yellowstone River | Tom Miner Creek | Habitat and population surveys | Limiting habitat factor analysis | 25 miles | 1996 | USFS |
| Yellowstone River | Woody Creek | Survey and Inventory | Determine origin of competitive species | 5 miles | 1994 | USFS |
| Yellowstone River | Yellowstone River | Electrofishing estimate and monitoring of YCT populations in the mainstem river | Monitor status of YCT in the Yellowstone River | 7 miles | 1980-1999 | FWP |
| Yellowstone River | Yellowstone River | Collected tissue samples from 50 YCT from the mainstem Yellowstone River | Determine genetic purirty | 7 miles | 1999 | FWP |

Listing Factor Addressed: Disease and predation

State: MT

(Includes efforts to eliminate or reduce impacts from disease, predation, and competition from nonnative species)

| Drainage | Water | Action (Provide detailed description) | Purpose | Length/Area Affected | Date of Action | Lead Agency |
|----------------------|----------------------|---|---|----------------------|----------------|--------------------|
| Rangewide in Montana | Rangewide in Montana | Extensive monitoring of rivers and streams for whirling disease. Aggressive measures and testing to prevent spread of disease | Reduce or slow spread of whirling disease | | | FWP YNP |
| Rangewide in Montana | Rangewide in Montana | No movement of fish species until tested and determined to be disease-free | Reduce spread of various fish diseases | Rangewide in Montana | Ongoing | FWP |
| Stillwater River | Bad Canyon Creek | Electroshocking removal of brown trout for 5 years; installation of barrier | To eliminate brown trout from upper 3 miles above barrier | 3 miles | 1991-1998 | FWP USFS BLM |
| Yellowstone River | Mill Creek | Fish passage barrier installation | Preclude rainbow trout invasion | 40 miles | 1993 | USFS FWP |
| Yellowstone River | Soda Butte Creek | Electroshocking removal of brook trout for 4 years | To eliminate brook trout from Yellowstone headwaters | 2-3 miles | 1994-1997 | FWP USFS |
| Yellowstone River | Soda Butte Creek | Electroshocking removal of brook trout | Remove competitive species | 3 miles | 1994-1997 | FWP USFS |
| Yellowstone River | Tie Creek | Install fish passage barrier | Preclude rainbow trout invasion | 3 miles | 1992 | USFS |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |