

Best Management Consultants

When addressing problems on your stream bank, finding a trusted consultant that utilizes best management practices in addressing those problems is critical. Financing a project is not cheap, so efficient and effective work should be completed the first time! Consider consulting one of these local businesses to help you with your project.

WATERSHED CONSULTING

Mark VanderMeer
(406) 541-2565

www.watershedconsulting.com

STREAM BASICS

Mark Vander Velden
(406) 370-8578

GEUM ENVIRONMENTAL CONSULTING

Amy Sacry
(406) 363-2353

www.geumconsulting.com

RIDGE TO RIVER RESTORATION

Russell Fox
(406) 370-8539

www.r2restoration.com

MORRISON-MAIERLE, INC.

Joe Smith
(406) 542-8880

www.m-m.net

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Montana Fish,
Wildlife & Parks



Protect Your Property Protect Lolo Creek



A Landowner's Guide to Managing the Impacts of Lolo Creek Migration



Lolo Watershed Group
P.O. Box 1354
Lolo, MT, 59847

www.lolowatershed.org

What is Channel Migration?

Dynamic physical processes of rivers can cause channels in some areas to move laterally, or "migrate," over time and even during a single flood event. The area within which a river channel is likely to move over a period of time is referred to as the channel



Lolo Creek (2011), 1.5 miles downstream from Graves Creek. The blue line represents the position of the creek in 1963. Over 48 years, Lolo Creek has migrated hundreds of feet in some places.

How Does Channel Migration Impact Me?

migration zone (CMZ).

Channel migration is a natural phenomenon that occurs over time as banks erode, but can also accelerate due to high flow events or from human interference. Both natural and human induced channel migration can impact certain land and water uses. Increased flooding or the change in position of flooding can accelerate erosion, which adversely affects riparian habitat as well as stability of shoreline infrastructure.

In recent years, Lolo Creek's channel movement has threatened shorelines as well as water quality. Luckily, there are some ways in which landowners can mitigate the impacts of channel migration through

implementing best management practices and following permitting regulations.

The permitting system can be confusing as a few different agencies are involved with the process and sometimes more than one permit

Protect Yourself and Protect the Creek

The following information serves as a brief guide of who to contact to start your project. A complete guide can be found at <http://dnrc.mt.gov/permits/>.

310 PERMIT

Activities that modify a streambed or stream bank.

Missoula Conservation District
3550 Mullan Rd. Missoula, Mt 59808
(406) 829-3395

STREAM PROTECTION ACT PERMIT (SPA 124)

Activities or construction that may modify the natural form of a stream or its banks or tributaries.

Department of Fish, Wildlife and Parks
3201 Spurgin Rd. Missoula, Mt 59804
(406) 542-5500

FLOODPLAIN PERMITS

New construction that includes placement of fill, roads, bridges, culverts, transmission lines, irrigation facilities, storage of equipment or materials and excavation.

Missoula Floodplain Administration
200 West Broadway Missoula, MT 59802
406-258-4841

CLEAN WATER ACT 404 PERMIT

Any activity resulting in the discharge or placement of fill material into surface waters.

U.S. Army Corps of Engineers
1600 North Ave. West, Suite 105
Missoula, MT 59801 406-541-4845 x323

SHORT TERM WATER QUALITY STANDARD FOR TURBIDITY- 318 PERMIT

Any activity that will cause unavoidable short-term violations of water quality standards such as sedimentation associated with construction.

Department of Environmental Quality
Water Protection Bureau
1520 East Sixth Avenue Helena, MT 59620
406-444-3080

LAND-USE LICENSE ON NAVIGABLE WATERS

This does not apply to Lolo Creek, but could apply to waterways within Missoula County if a project impacts the navigable status of a water body.

Department of Natural Resources and Conservation
2705 Spurgin Rd. Missoula, MT 59801
406-542-4300