

Upper Missouri Reservoir Fishery Update

Missouri River - Toston Dam to Canyon Ferry

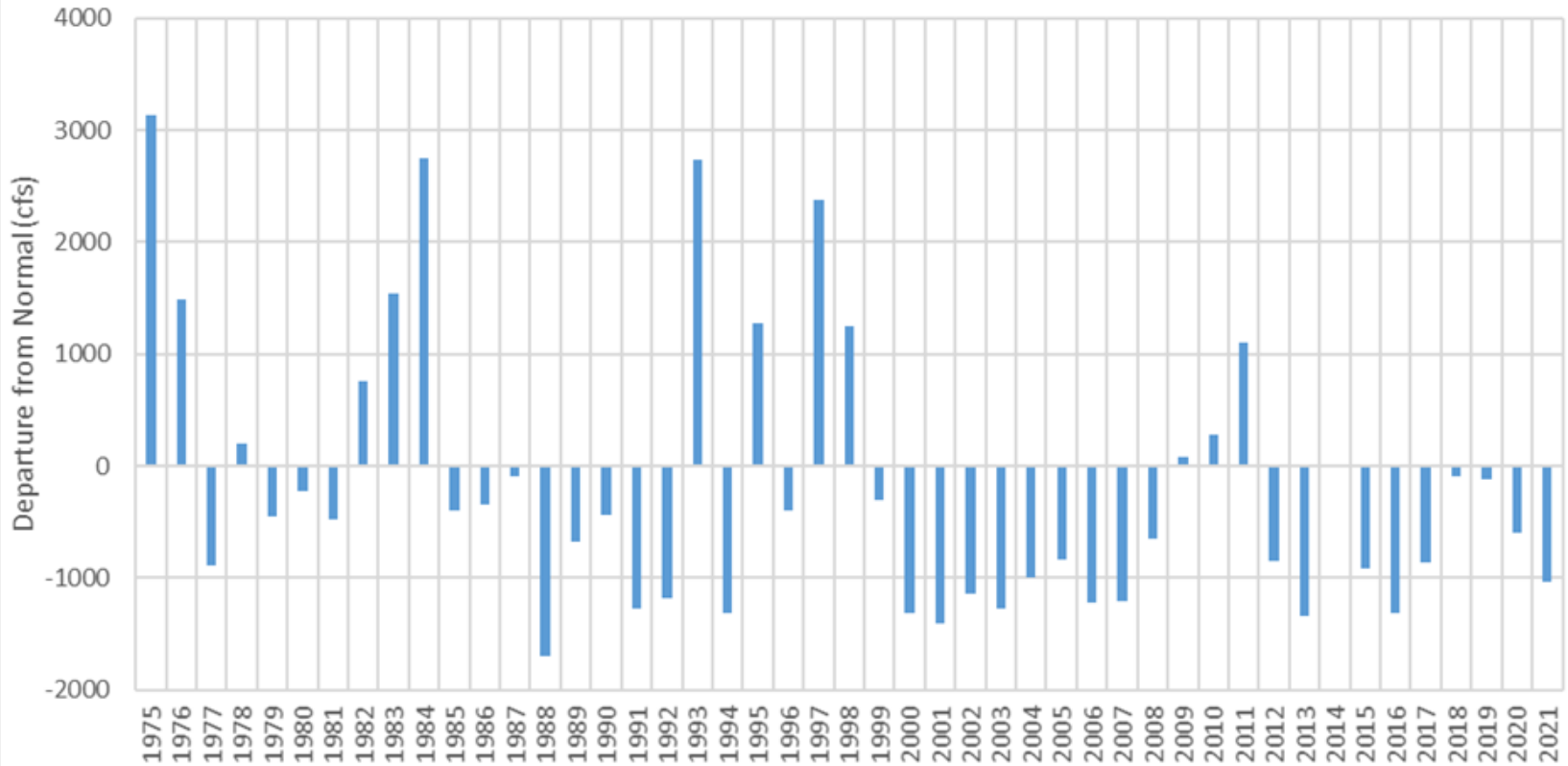
April 20, 2022



2009 5 25

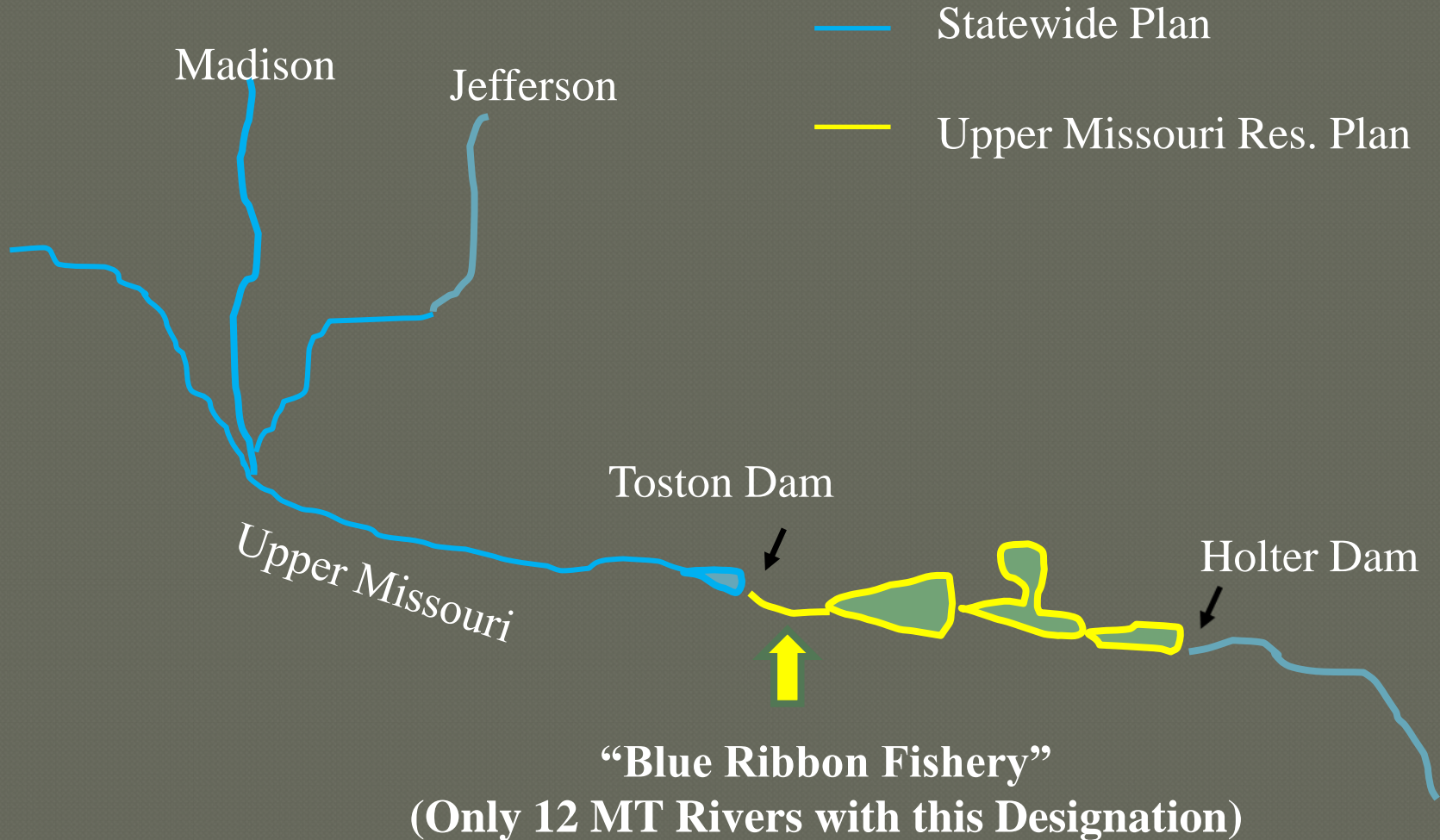
Missouri River @ Toston (USGS) 1975 to 2021

Departure from Normal August Flow (2590 cfs)



Upper Missouri – Fishery Plans

Both Plans Support “Wild Trout” Mgmt
(Habitat Focus w/o Stocking)



Strainer Telemetry Study: Walleye move into the Missouri River
Mostly after Spawning in CFR, and Return to the Lake in October.



Management Plan Species Goals:

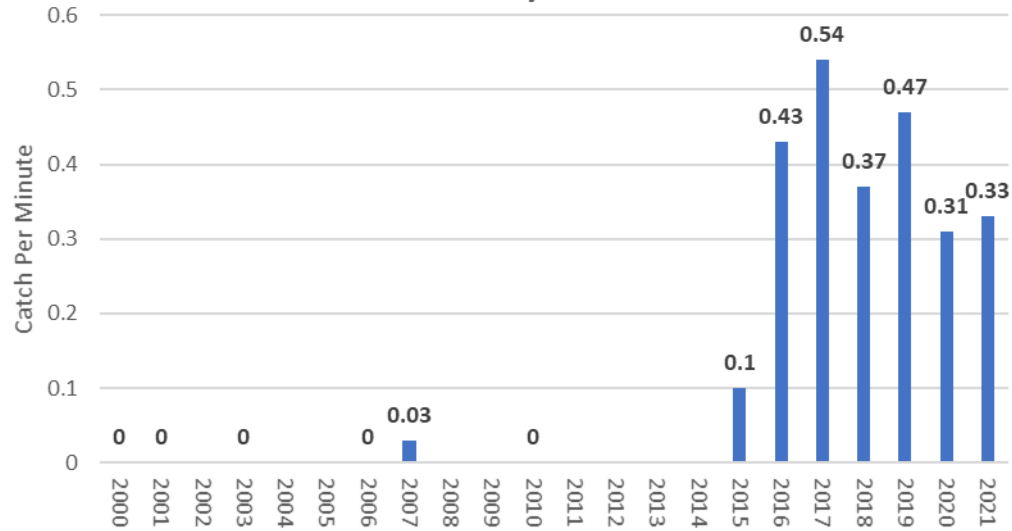
Rainbow Trout 1.0/Minute Electrofishing

Brown Trout = 0.40/Minute Electrofishing

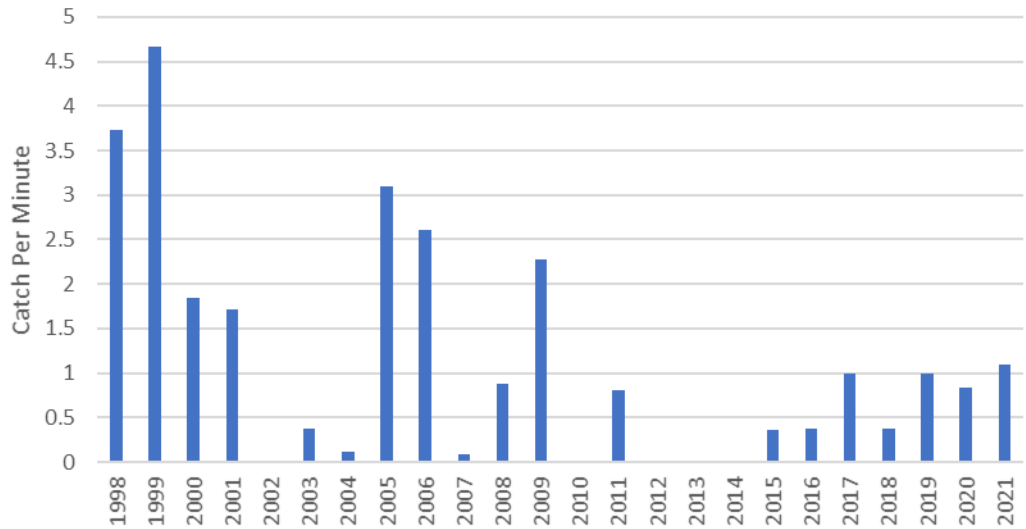
Walleye = Monitor

Northern Pike = Suppress

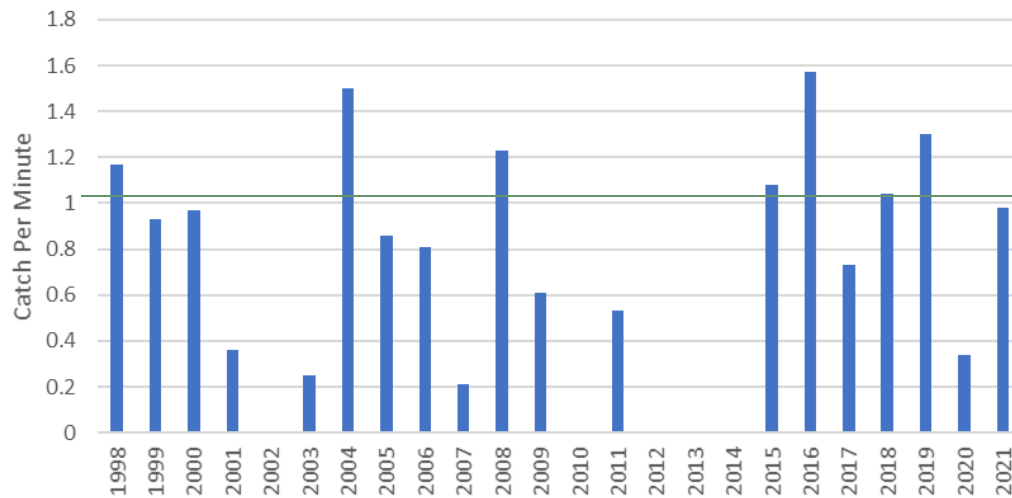
**Missouri River Catch Per Unit Effort Trend (Spring)
Walleye**



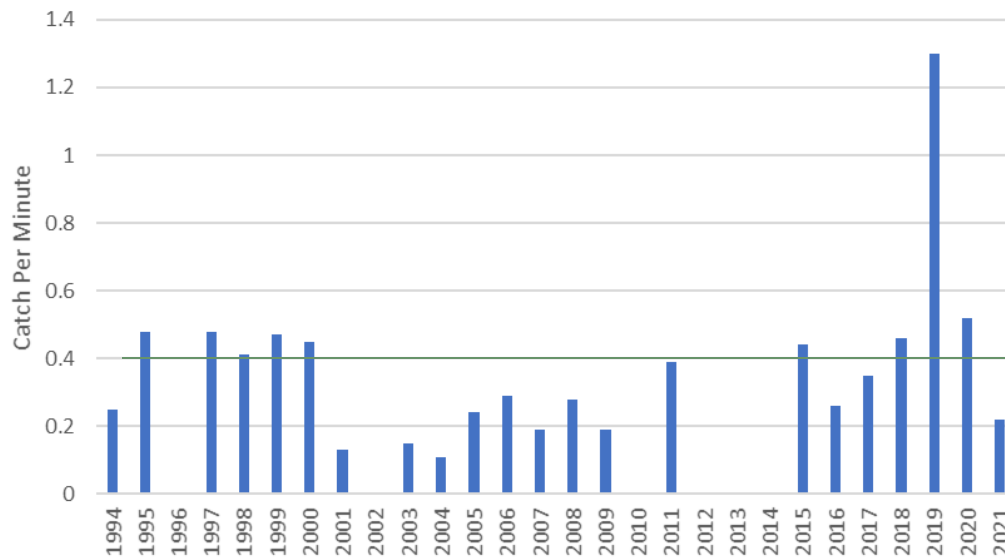
**Missouri River Catch Per Unit Effort Trend (Fall)
Mountain Whitefish**



Missouri River Catch Per Unit Effort Trend (Fall)
Rainbow Trout



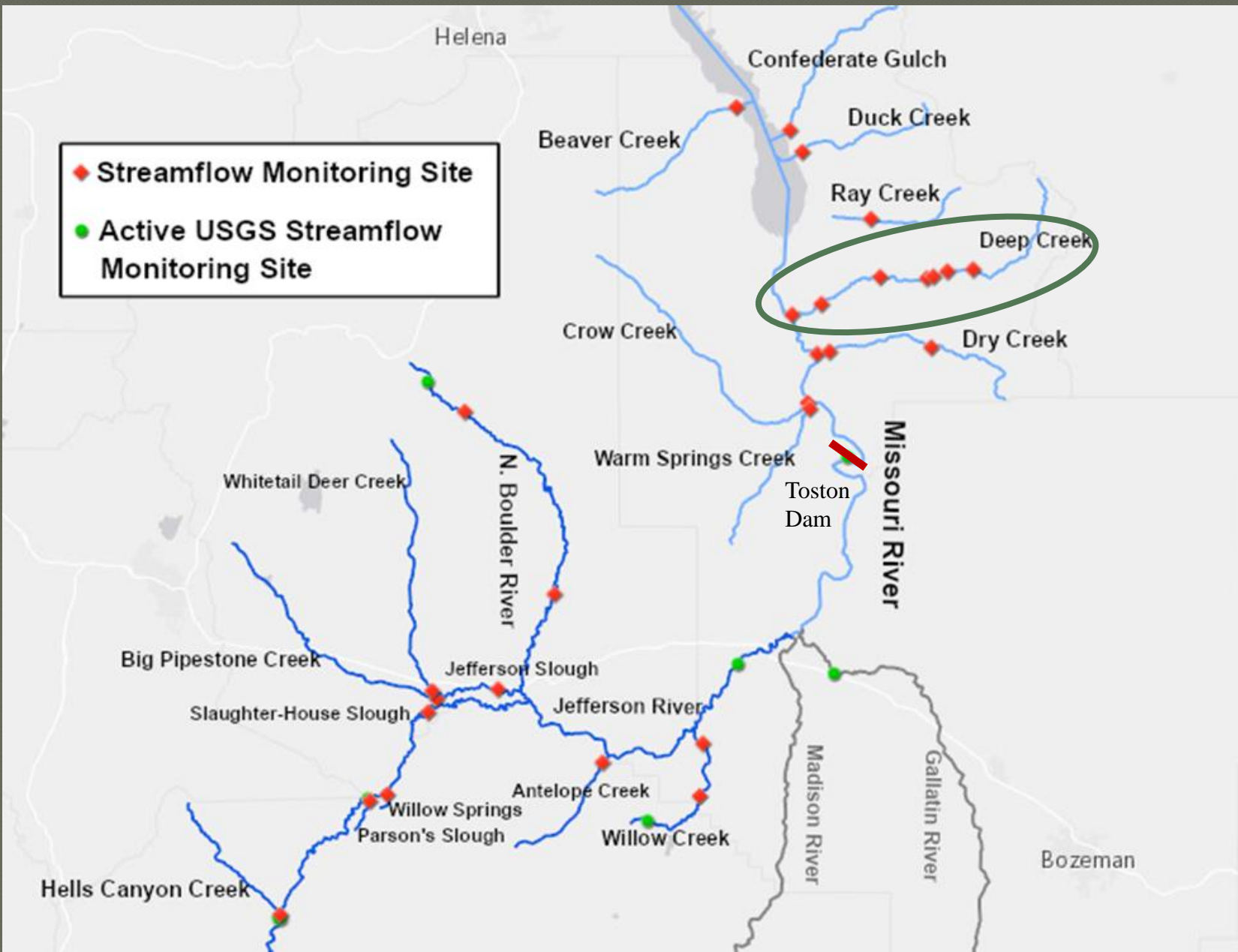
Missouri River Catch Per Unit Effort Trend (Fall)
Brown Trout



Streamflow, Aquatic Health, and “Wild Trout”



- ◆ Streamflow Monitoring Site
- Active USGS Streamflow Monitoring Site



Streamflow Enhanced Since 2013



2012 9 1

Sept 2012 (< 1 cfs)

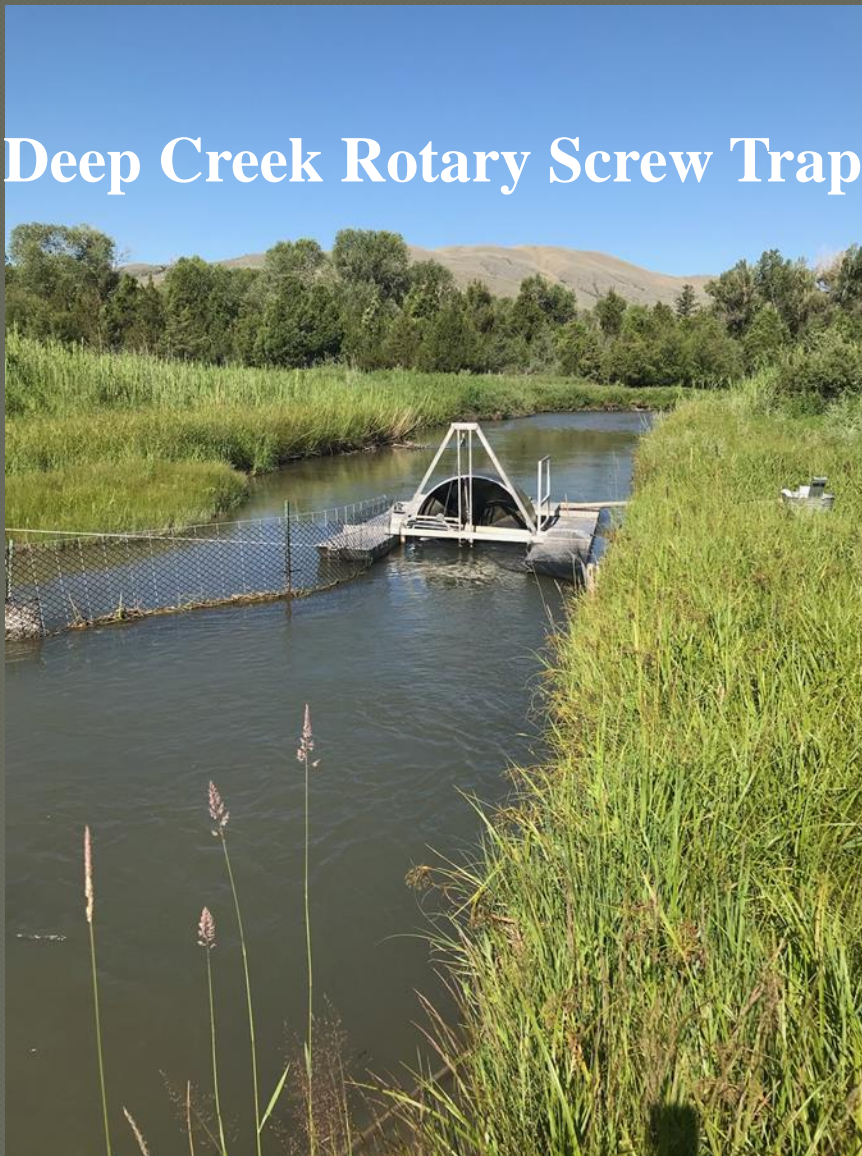


Aug 2015 (7 cfs)

2015 8 17

Juvenile Trout Recruitment to the Missouri River

Deep Creek Rotary Screw Trap



Out-Migrating Trout



Deep Creek Rotary Screw Trap

Number of Trout Captured (Not Estimated Number)

■ Brown Tr. ■ Rainbow



Improved Streamflow

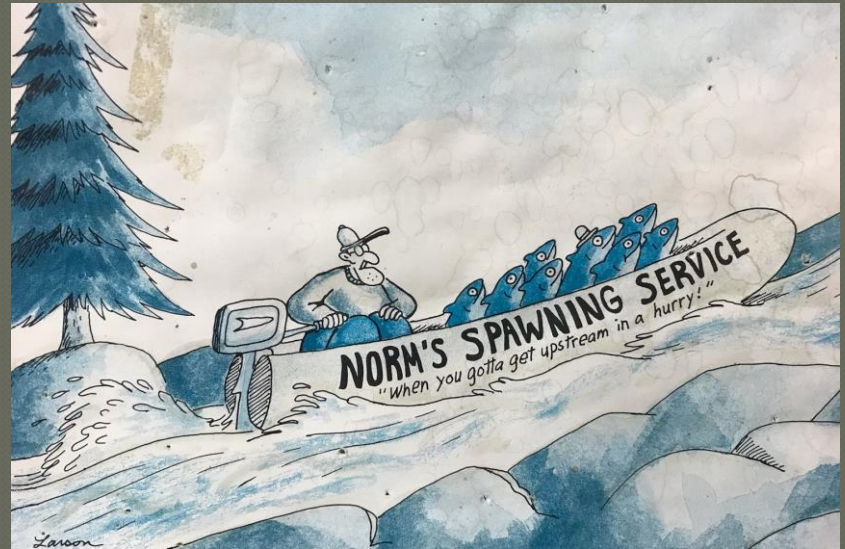
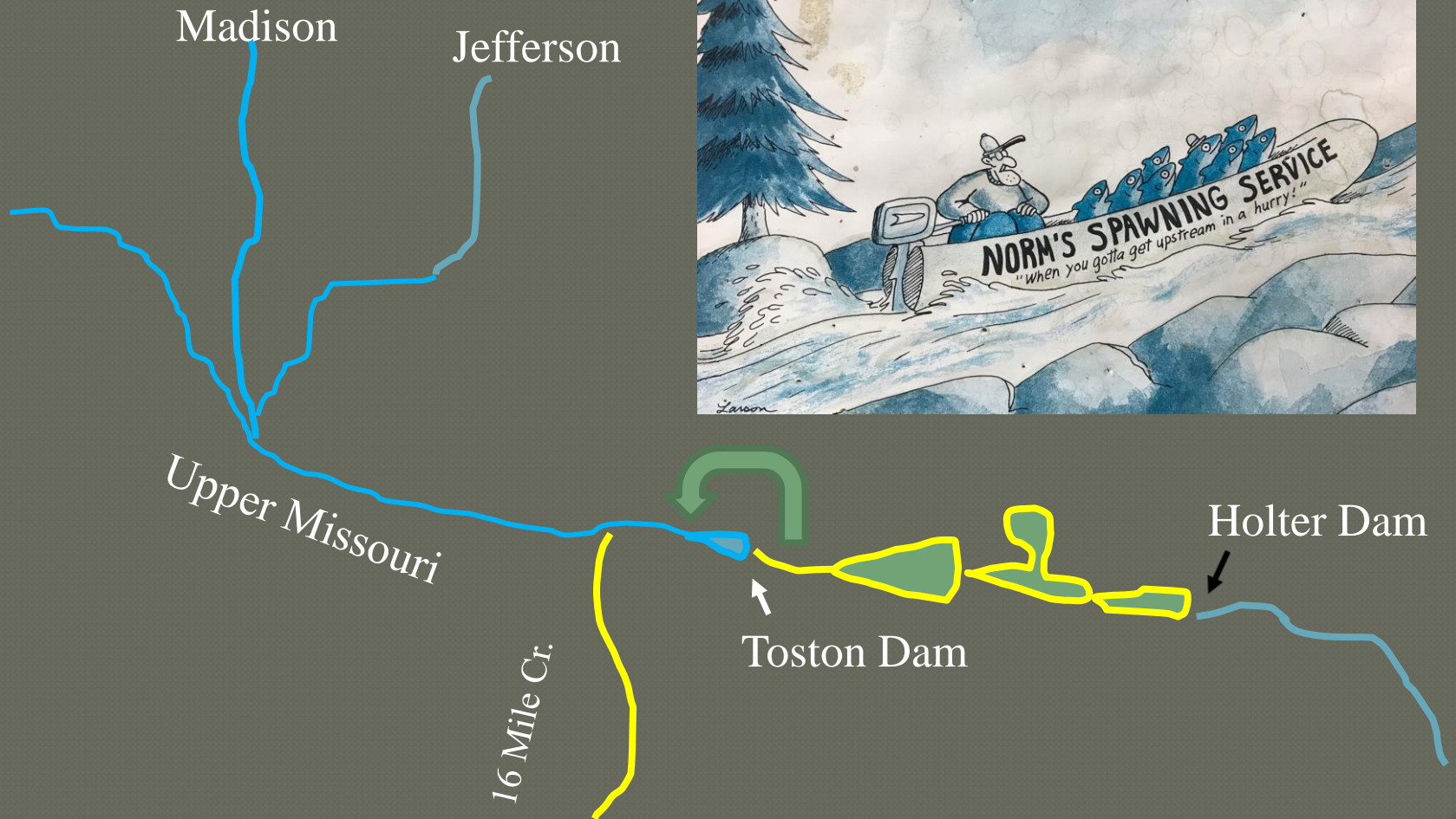
**Walleye Observed at Deep Creek
Trap During 2019-20.**



Coltan Pipinich and MSU Research Project: Determine Fate of Spawning Brown Trout Moved Above Toston Dam

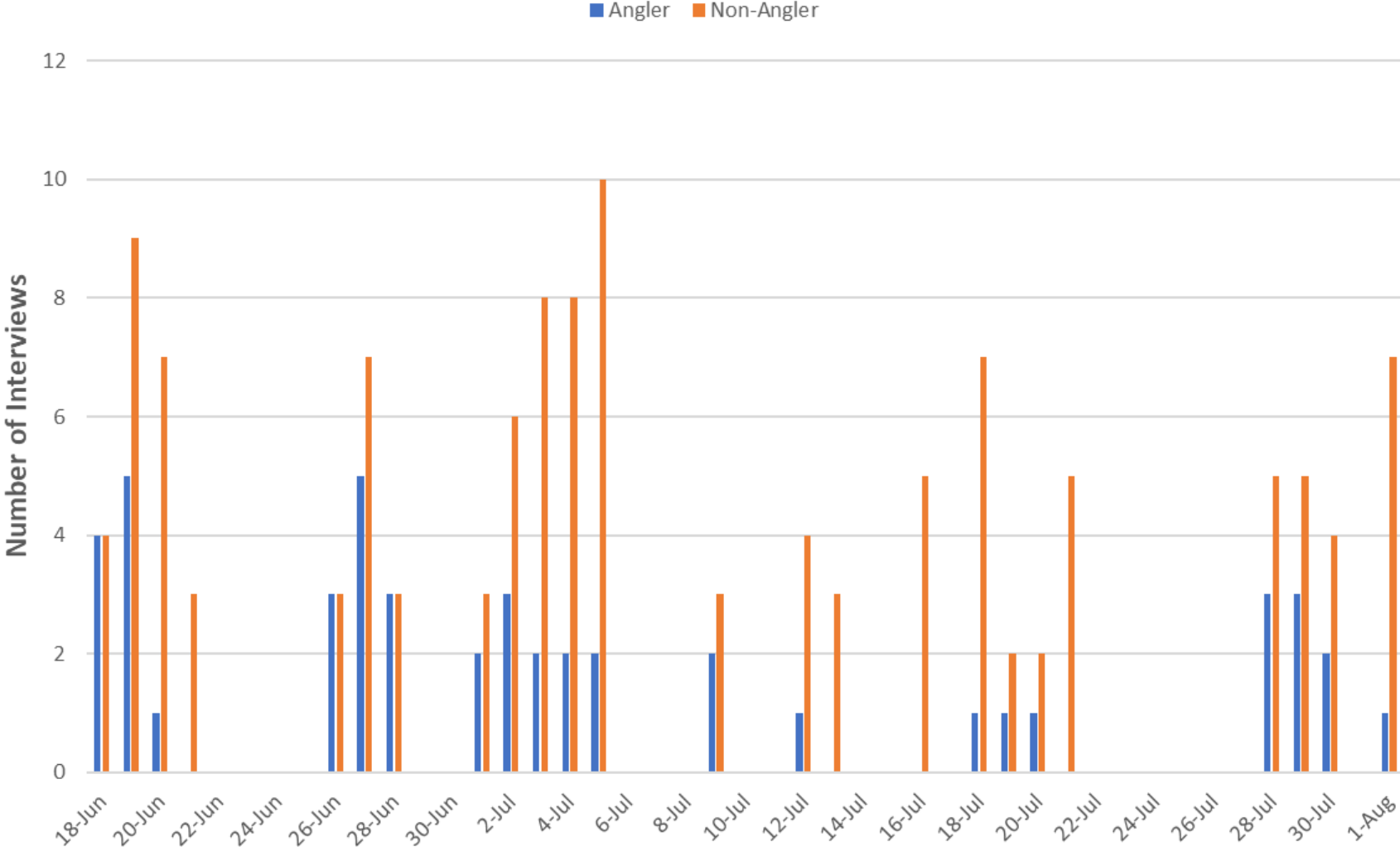


Evaluation of Fish Passage – Toston Dam



Missouri River - Toston Dam to Canyon Ferry

Number of Anglers and Non-Anglers - 6/18/21 to 8/1/21



Thank You

