

**Montana Department
of
Fish, Wildlife & Parks**

*Chris Hunter
Helena*



MONTHLY PROGRESS REPORT

Project Title: Montana Rivers Information System (MRIS)
Project Number: BPA 38573, MDFWP 3874-7 and 3874-9
Project Manager: Janet Decker-Hess
Project Biologist: Gael Bissell
Recreation Technician: Denise Davies
Report for the Month: May 1991

RECEIVED
JUN 25 1991
FISHERIES DIV.
DEPT. FISH WILDLIFE & PARKS

1. Summary of significant results.

Project Management and Fisheries: Completed most of Region One fisheries data base update except for supplemental information on Flathead, Swan, and Lower Clark Fork. Began Region 2 and 3 update by going through reports (DJ, annual progress reports, Missouri reservation, etc.) and gathering fisheries information. Contacted other Region 2 and 3 biologists to determine update procedure with them. Hired Dondi Dawley as Research Aide to help with fisheries update. Began map work on land ownership but was delayed due to potential GIS application to acquire these data. Continued discussions with NRIS concerning update of EPA line file.

Met with Tim Gallagher, Larry Peterman, and Bob McFarland to discuss update and its progress, GIS fisheries applications, and other associated topics. Received financial assistance from fisheries division to complete stream update and output screens in FY92. Discussed GIS with respect to possible fisheries projects that could be enhanced with the use of a GIS. Requested a meeting of the GIS committee be held to discuss budget for next two years. Met in Helena at the end of May; Gael Bissell was MRIS representative. Discussed regional and division interests and applications.

Recreation: Continued and nearly completed search for and literature review of recreation data. Sorted all accumulated data by hydrologic unit in order to link to RRN. Followed up on Larry Peterman's memo regarding signing river hazards. Sent maps and list of floatable streams to all fish managers. Met with fisheries biologists to locate hazards in Region One. Worked on state's recreation sites list; located recreation sites on rivers and updated inventory of facilities available.

NRIS: Continuing work on the stream and lake data base as reported by Jim Senkler. Used reach file from Portland USGS to view MRIS/BPA reaches for one hydrologic unit. MRIS/BPA reaches can be extracted easily, estimate time to create coverage for western Montana to be two days maximum. Will complete the coverage for western Montana shortly after July 1. Contacted Mike Darling (USGS, Portland) to get estimate on creating reach file and DLG for about 5500 reaches in eastern Montana. Mike requested a few overlays to assist in the estimate. Will speak with Mike in the next week or so. Participated in

discussions with the FWP on GIS development, pilot projects, specifically in relation to MRIS project. Will continue as needed. Will be demonstrating the MRIS at the AAPG meeting in Billings (July 29-31) and at a USGS NAWDEX Conference in Atlanta (August 14-16). The USGS NAWDEX program will finalize a contract with NRIS in July, work to commence soon after. The new GIS interface (GDI) was used to produce a coverage and map of all USGS, USSCS, and USNWS data collection sites for the Pend Oreille Basin. The product will be used by the DNRC and USBR for location data for a modelling effort in the basin.

REQUESTS FOR MONTANA RIVERS INFORMATION SYSTEM DATA

A-UM Fisheries and flow data for Rattlesnake Creek.
 F-BPA Any information for an EIS for a power line.
 P-PC Any information on Blackfoot including 100 year flood maps for Blackfoot River near Lincoln.
 S-DHES Standard request for the N2 SW 17, T5N R13W, Deer Lodge, Georgetown Lake area. Four mile radius for well data, 15 mile reach downstream for rivers search.
 S-DHES Standard request for the following area: NESE sec. 28, T15N R6W. Lewis and Clark County.
 S-DSL Subset of the geological data for the state from the rivers database. For starters, provide a list of the filed (data structure) and a count of the sites with T&R.

2. Brief discussion major problems encountered, changes in work plan, or schedule deviations.

None.

3. Short description of planned activities for the following month.

Project Management and Fisheries: Continue on update. Prepare and attend Rivers Information System coordination meeting in Portland.

Recreation: Will link recreation data to RRN and input data into computer.

NRIS: Jim Stimson will continue conversation with Portland USGS concerning RRN GIS coverage for eastern Montana and complete extraction of MRIS/BPA reaches for western Montana. Jim Senkler will complete duties as outlined in revised time estimates. Peter Langen will handle requests and assist in the GIS projects.

4. Itemized listing of each non-expendable item greater than \$1,000 and each designated sensitive item.

None.

c: Tom Pansky, BPA (3 copies)	Peter Paquet, NWPPC (Portland)
Dave Genter, Natural Heritage	Jim Stimson, NRIS
Larry Lockard, USFWS	Dan Hinkley, BLM (Billings)
Joe DosSantos, CSKT	Bob Haburchak, BLM (Billings)
Paul Hanson, U of M	Terry Lonner, R-3
Rick Stowell, USFS (Missoula)	Don Childress, Pat Graham, Fay Moore
Howard Johnson, Larry Peterman	Chris Hunter, Jim Domino
John Fraley, Gael Bissell	Dan Vincent, Denise Davies