MONTANA GIS CONFERENCE

Billings, Montana, December 6-7, 1989

AGENDA

ALL CONFERENCE SESSIONS AND EXHIBITS IN THE **GRANITE ROOM**

Wednesday, December 6, 1989

8:00am **Registration**

8:45am **Welcome**

♦ Douglas Richardson, President, GeoResearch, Inc.

8:55am **Geographic Information Systems in Montana: Innovative Applications and Diverse Capabilities**

Moderator: John Wilson, Geographic Information and Analysis Center, Montana State University, Bozeman, MT

9:00am **"Planning a Successful Multi-User GIS"**
♦ Lania Rivamonte, Intergraph Corporation, Huntsville, AL

9:40am **"Assessing Net Primary Productivity on the Global Scale"**
♦ Richard Ringleb, Department of Forestry, University of Montana, Missoula, MT

10:00am **"Using Thematic Mapper Imagery and GIS for Farmland Assessment of the Crow Indian Reservation"**
♦ Don Luse, U.S. Bureau of Indian Affairs, Billings, MT

10:20am **Coffee Break**

10:40am **"Utilizing GIS for Air Quality Analyses"**
♦ Douglas Richardson, Clarence Chan, and Michael Machler, GeoResearch, Inc., Billings, MT

11:00am **"Remote Sensing Applications in a GIS"**
♦ Jim Reid, U.S. Forest Service, Flathead National Forest, Kalispell, MT

11:20am **"Using GIS for Montana Agriculture"**
♦ Jerry Neilson, Plant and Soil Science Department, Montana State University, Bozeman, MT

11:40am **Questions from the Floor and Answers from Speakers**

12:00 **Luncheon:** **WHITETAIL ROOM** (next door to GRANITE ROOM)

1:15pm   **Map Projections and GIS**

    Moderator: Allan Cox, GIS Program, Montana State Library, Helena, MT

    1:20pm   **"GIS Implications of the Change from the 1927 Datum to the 1983 Datum"**
        ♦ Lee Aggers, U.S. Geological Survey - Rocky Mountain Mapping Division, Denver, CO

    1:40pm   **"An Explanation of the Montana Single Zone State Plane Coordinate System"**
        ♦ Robert Custer, Montana Department of Highways, Helena, MT

2:00pm   **Global Positioning Systems -- GPS: What is GPS? Who Is Using GPS in Montana? GPS/GIS Connections**

    Moderator: Lee Shanklin, U.S. Environmental Protection Agency, Region VIII, Montana Office, Helena, MT

    2:00pm   **"GPS Introduction and Overview"**
        ♦ Michael Goos, Trimble Navigation Ltd., Sunnyvale, CA

    2:20pm   **"GPS Data Registration and GIS Data Analysis at the Anaconda Smelter Superfund Site"**
        ♦ Mike Bishop, U.S Environmental Protection Agency, Region VIII, Montana Office, Helena, MT

2:40pm   **Coffee/Pop Break**

    3:00pm   **"Geo-Referencing, Ground Target and Applied Field Resource Uses on the Lewis and Clark National Forest"**
        ♦ Butch Fitzpatrick, U.S. Forest Service, Lewis and Clark National Forest, Great Falls, MT

    3:20pm   **"Blackfoot River Watershed GIS Project - Development of a Resource Management Tool"**
        ♦ Mason Hewitt, U.S. Environmental Protection Agency, Environmental Monitoring Systems Laboratory (EMSL), Las Vegas, NV

    3:40pm   **"Applications of GeoLink - A Real Time Integration of GPS and GIS"**
        ♦ Dr. Thad Mauney, Aglaia Chio Fai Kong, and Douglas Richardson, GeoResearch, Inc., Billings, MT

    4:20pm   **"GPS High Precision Network"**
        ♦ Robert Custer, Montana Department of Highways, Helena, MT

    4:40pm   **"Future of GPS/GIS Applications in Montana - Problems, Solutions, Research Issues"**
        ♦ Panel of presenters

5:00pm   **Adjourn**

5:30pm -- 7:30pm   **Poster Session and Exhibits, GRANITE ROOM**
Informal Q/A with Speakers; No-host Cocktails
(Bring your questions and your free drink tickets)
Dinner in Billings (on your own)

Thursday, December 7, 1989

8:00am **Discussion (Exhibits and Posters Open)**

8:45am **Montana GIS Update: User Group and Directory, Technical Working Group,**
        ***GIS News*, Data Inventory and Other Business**

        ♦ Jon Sesso, Natural Resource Information System, Montana State Library,
        Helena, MT

9:15am **Data Sources and Conversions: Limitations, Problems, and Solutions**

   Moderator: Allan Cox, GIS Program, Montana State Library, Helena, MT

   9:20am   **"TIGER/Line Files: Status, Advantages/Disadvantages,**
            Use/Conversion Issues"
            ♦ Allan Cox, GIS Program, Montana State Library, Helena, MT

   9:40am   **"GEO-DATA Products: What's Available for Montana"**
            ♦ Lee Aggers, USGS, RMMD, Denver, CO

   10:00am **"Data Conversion and Data Integration"**
            ♦ Dean Anderson, Environmental Systems Research Institute (ESRI),
            Olympia, WA

10:20am **Coffee Break**

10:40am **Panel Discussion: Creating A Statewide GIS Data Base**

   Moderator: Jon Sesso, NRIS Program, Montana State Library, Helena, MT

        ♦ **Open Mike Session:** All Conference Participants invited and welcome to
        offer views, raise questions, etc. on any GIS topic;
        The theme of this session is: **Where Do We Go From Here?**

12:00 **Summary Luncheon (WHITETAIL ROOM)**

       "Applying New Information Tools to Montana's Needs: A Cooperative
       Approach"

        ♦ Robert Person, Executive Director, Montana Legislative Council, Helena,
        MT

1:30pm **Adjourn/Other Activities**

        Several GIS-related tours and meetings have been scheduled after
        adjournment. Announcements will be made during the conference on times
        and places.