

WORKSHOP NOTICE

Introducing the Stream Classification Database

A Foothills Model Forest Project

Watersheds once defined landscapes. With settlement and modernization of the west, roads and railways redefined man's landscape. The Foothills Model Forest is using modern technology to take a step back in time. Our new stream classification database details 100,000 kilometres of stream within Alberta's northeast slopes. The database and all its elements (100+ stream reach descriptors, riparian areas and watersheds) have the potential to advance fish and watershed management in Alberta. Potential applications include:

- ❑ Fish presence/absence computer models
- ❑ Integrated watershed management
- ❑ Stream crossing planning and remediation
- ❑ Sample site selection for monitoring and research.

If you are involved in forest, fish and watershed management or GIS we invite you to participate in this one-day workshop. The workshop will introduce this new dataset. Equally important, the workshop will engage participants in how this database could best be developed into a useable, practical technology.

Where: Hinton Training Centre, Hinton, Alberta

When: 10:00 a.m. to 4:00 p.m. Monday, February 9, 2004

Please note, the workshop will end at 3:00 p.m. and be followed by two concurrent sessions. Please see attached agenda for details.

Who: Forest, fish and watershed managers

Why: To share Foothills Model Forest R&D and to develop a plan for future development.

RSVP by **Wednesday, January 28** to Fran Hanington.

Email: fran.hanington@gov.ab.ca

Phone 780 865-8330

Co-Sponsored by:
Facet Decision Systems

GISmo Solutions Ltd.

DRAFT

TENTATIVE AGENDA

Introducing the Stream Classification Database

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10:00 – 11:00

History and Background: Stream Classification Project

Rich McCleary, Fish and Watershed Program Leader

Background: Provincial Digital Elevation Models & Hydrography Datasets

Christian Weik, GIS Coordinator, Foothills Model Forest

An increased understanding of the stream classification database will provide you, the user, with the knowledge to help direct how this database can be further developed.

11:15 – 12:00

Data Management: Structure and Limitations

Christian Weik

The database has over 450,000 reaches and watershed features making it a very comprehensive record of streams in the northeast slopes of Alberta. However, its size creates limitations. How can this powerful (and large) database be developed into a practical tool?

12:00 – 1:00

Lunch

Provided by co-sponsors Facet Decision Systems and GISmo Solutions Ltd.

1:00 – 2:00

Research Growing Into Practice: Potential Applications

Rich McCleary & Christian Weik

The stream classification database is applicable to many aspects of forest, watershed and fish management. Potential applications include:

- Summarization of AVI characteristics in a given watershed
- Data extrapolation stream width model
- Designing and monitoring research projects.

Beginning to discuss these, and other applications, will help spawn this database into a workable and practical resource management tool.

2:00 – 3:00

Feedback

The Foothills Model Forest is in its third five-year phase. In Phase III, there is a strong focus on transferring knowledge and technologies into the hands of practitioners and policy makers. To best ensure this happens with the stream classification database, the Foothills Model Forest wants input from potential users. This one-hour focus group will focus the future development of the database.

3:00 – 4:00

OPTIONAL Concurrent Sessions

Demonstration of database: Hands-on session in computer lab.

Christian Weik

Demo the stream classification database with in a GIS environment. It is recommended that participants in this session be proficient with ESRI GIS software. Please note there is limited space so if you wish to participate in this session please indicate when registering.

TITLE TO BE DETERMINED

Facet Decision Systems and GISmo Solutions Ltd.

Facet Decision Systems and GISmo Solutions Ltd. were contracted to the Foothills Model Forest to construct this database. Both consultants will share their experiences and insights on this project.