Executive Summary

MONTANA LAND INFORMATION ADVISORY COUNCIL (MLIAC)
Thursday, September 4, 2008

Members or Designees
Robin Trenbeath—DOA/ITSD; Rudy Cicon—MARLS Representative; Connie Eissinger—McCone County Commissioner; Ed Madej—Tetra-Tech; Mike Birtles—Bureau of Land Management; Annette Cabrera—Yellowstone County; Lance Clampitt—USGS; Evan Hammer—Dept. of Natural Resources and Conservation; Art Pembroke—Lewis and Clark County IT Department; Lydia Bailey for Chris Smith—Fish and Wildlife; Laura Temple—USGS; Michael Sweet—University of Montana; Lorin Peterson—Confederated Salish & Kootenai Tribes IT Manager; Jon Sesso—House District 76; Darlene Staffeldt—Montana State Library; Christiana von Riechert—GeoData Services Inc; Ken Wall—GeoData Services Inc. and Randy Wilke—Department of Revenue

Guests
Stephanie Caudill—DOA/ITSD, Stewart Kirkpatrick—ITSD; Erin Geraghty—DOA/ITSD, Kris Larson—CDM/MAGIP, Gerry Daumiller—NRIS, Jennie Stapp—State Library and Kate Matthews

Approval of June Executive Summary **Action Item*
- The executive summary from June was accepted as presented

Update on Portal Metadata Standard - Robin Trenbeath
- MSL has put together standards that closely model the Federal standards, with some slight changes to remove some of the required elements in order to simplify them.
- Gerry sent the standards out to the MAGIP list serve and MLIA group requesting input
- Changes were made based on comments
- Robin has started the State Standard Approval Process. Next step will include numerous group (e.g., eGov, ITMC, etc.) reviewing and commenting on the proposal. We do not anticipate any major conflicts
- After the CIO reviews and approves the proposal, it will be adopted.
- Gerry attempted to have the Federal portal harvest information directly from the State portal but that effort failed.

ESRI Approved State Product – Robin Trenbeath

- Lydia Bailey is chair of the ESRI ELA User group
- Erin Geraghty is the administrator of the contract
- ESRI products covered by ELA are listed in the contract. If you have questions contact Erin
- Portal software is not currently covered by the ELA
- Google Earth Pro is the ONLY version of Google Earth allowed on the state networks

Training/Education Sub-committee
- ESRI software training will be focused in Helena.
- 400 total training credits are available for this year, 200 were rolled into FY09 because we didn't have an opportunity to use them in FY08
- 200 are pooled and are shared among all participating agencies, and 200 are allocated based on the percentage each agency contributes to the cost of the ELA
- The first 2 classes are ones agencies expressed as being of primary interest. The pooled credits will allow one individual from each agency to attend at least one of these training sessions.
- The first two classes will be in October
- MLIAC and ESRI are willing to pool or work together to find more efficient ways to complete and pay for these training sessions
- The Council would like the parties to coordinate training between State and non-State classes so that while trainers are here, we can maximize their time utilization. Alan Coil (ESRI) should be coordinate this with Michael Sweet

Land Information Plan – Stu Kirkpatrick for Connie Eissinger
- Because there are many new members, there is not a lot of institutional knowledge in the committee. This and other delays have resulted in the plan falling somewhat behind schedule.
- Stu is going to jump start the Land Information Plan by writing a first draft.
- This draft should be completed by Friday, September 5, 2008
- An email went out to the 13 theme leads of the MSDI framework layers asking for their top 3 FY10 priorities and to describe how they see MLIA money supporting their needs.
- They were asked to return the information within 2 weeks
- The draft plan should be available for presentation to the Council by the December meeting
- Land plan drafts will be posted on the website for the council and grant committee's review

MLIA FY 2008/2009 Grant Report - Stu Kirkpatrick
- Several 2008 grants are still awaiting final bills
  - These include DEQ wetland mapping, Salish/Kootenai, Department of Natural Resources for mapping fire districts, Gallatin County GCDB
- The Flathead, Missoula and Yellowstone County addressing project from 2008 has requested an extension.
  - One issue is whether the database model (in its current form) is going to work

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adequately.
- o The Address Collection Database De-normalized model changes are due by next week
- o This project may be cancelled/delayed. If that happens, then the remaining funds will be pooled back into the MLIA Grant Fund account.
- 2009 Contract Status
  - o Last two, Red Lodge and Gallatin County, Statements of Work have been distributed.
  - o Approximately half of the contracts have been signed and returned
  - o This grant program is not as rigid as federal funding rules
    - ▪ We need to be more lenient based on the needs and abilities of our counties
  - o We need to keep the process in check so it doesn't become broken
  - o Grants are due in February, knowledge of the money is available in April, and funds are available July 1.
  - o Federal community could supplement those grants in August
  - o Multi year projects are viable but grant funds can only (legally) be allocated for one fiscal year; additional years funding would have to be accrued
  - o The Grant committee may write guidance that allows for multi year grants to be prioritized.
  - o Discussion on changing rules and guidelines will be an agenda item for the next meeting. A small sub-committee consisting of Darlene Staffeldt, Art Pembroke and Stu Kirkpatrick will lead the discussion.
- Grant Administrative Cost Guidelines
  - o We need to clearly define what is an administrative cost and create a guideline for what is reasonable in this grant process
  - o Post these guidelines in the new grant criteria before we distribute it
  - o Possible verbiage: "Reasonable administrative costs will be considered based on the criteria listed below"
  - o A rough draft will be presented at the December meeting

Governor's Challenge – Governor Brian Schweitzer and Jag

- #1 Spend one time money to record digital data on geographic information and mineral information
  - o Digitally record the 56 individual county mineral logs
  - o This will require Legislative backing
  - o Will move us ahead of all other states
  - o Make Montana more marketable to oil/gas developers
- #2 Digitally map all old mine sites for restoration economy purposes:
  - o Click on map and view where all abandon mines are located
  - o Also be able to view what the problem is with a specific mine (e.g., Acid water being leeched out of pyrite mines, what levels? or High mineral deposits, what minerals?)

- #3 Use existing information to map potential carbon sequestration zones
    - Enhanced oil recovery
- #4 Overlays of information to also be considered are:
    - Wind energy zones
    - Sequester CO2
    - Compressed air (wind energy)
    - Soil/organic matter percentage
    - Hydro electric potential
    - Land fills: carbon deposits, natural gas produced
    - Timber production for ethanol plants
    - Map soil depths
- #5 Mapping Red Dead Areas, exponential issue

All of these issues will add value to Montana. LAN Administration will be stronger. If Montana has a more high tech and streamline way of viewing our ground information then we will have a better chance of getting the bids from large money companies. Thank you for your time!

Council Discussion:
- New NAP fly-over is scheduled for next year (Heritage Plan)
- No Legislative authority for recording electronic mineral ownership information.
- BLM and a private firm could be contacted to assist in extracting public land mineral information.
- The private mineral ownership information is very complex
- Linked to GCDB
- DEQ/DNRC holds assessments on abandon mines, some water sample info in digital format
- Can it be digitally characterized?
- Large investigation has recently been completed
- Self evaluation of the council
    - Are we meeting the needs of the State?
    - Turn focus to the information that is desired by our leader (the Governor)
- Look at doing some of these items on a small scale
- There is no expectation of this being perfect or complete any time soon
- The responsibility for correct information would be in the counties.
- Cannot be a non-funded mandate
- Some of the grants are already leaning in the direction of the Governor's challenge

Lunch (Provided for Council and Invited Guests)

Grant Writing Outreach Program:
- Janet Cornish & Stu Kirkpatrick working on a brochure
- A live training session on how to write grants and following the Land Plan is scheduled for

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the MAGIP Technical Workshop, Oct 29:
- We are also scheduling some Tele-conferencing sessions:
    - One session in October, two sessions in November
    - They will be advertised through MACO and MAGIP
- The idea was proposed to have Janet proof the final draft of the grant criteria in order to check for unclear verbiage etc.

HB 49 status - Erin Geraghty
- Provided Report to the 61st Legislature
- Purpose: to streamline the governing of special districts
- Mapping portion: clarify how a special district is to be defined, reported and mapped
- Rules on how a district is formed, review process and then the reporting process
- First piece of legislation, LC9208 "Uniform Act" proposes to repeal about 500 sections of statute
    - Affects 15 specific special districts
    - Will consolidate the processes of creating, administering, funding and dissolving those districts
- The second piece of legislation, LC9209 "Housekeeping Act"
    - Deals with ALL special districts
    - Helps set up a process for reporting the information to the State level
- Subcommittee report due today, anticipated to passage by the full committee (done)
- Cannot require a certified LAN surveyor to approve because it will become a unfunded mandate and would die immediately
- There was a significant Council discussion over not requiring a licensed surveyor to sign off vs. implementing an unfunded mandate.

Stewardship Review Process - Robin Trenbeath
- Requests were made for volunteers to work on the development of profiles for Imagery, Soils and Geodetic Control themes, these requests are to close tomorrow
    - Imagery: Two State representatives and Art Pembroke have agreed to help
    - Soil: One Federal and two State people have signed up
    - Geodetic Control: 1 State person
- Robin stated that he is very disappointed in lack of participation
- Encourage MAGIP membership to assist in the effort
- Extend deadline from Friday, September 5 to Friday, September 12

GIS Portal Progress - Gerry Daumiller
- The MSL is prepared to announce that the GIS Portal is ready
- 3 part system
    - Search tool for metadata that has been entered in the portal
        - Mostly for professionals

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- NRIS records fully entered
- Flathead County fully entered
- Fish, Wildlife and Parks has begun entry
- All information has been checked against portal standards and all comply and work properly
      - ○ Map viewer: zoom in on areas, add web services to map
        - Want it to be useable by anyone.
        - Still very basic
        - This is the focal point for future expansion
      - ○ Channels: places to look at data and follow a specific layer of information
        - Links have been added to all the local GIS sites
        - Adding framework to links to specific themes
- Public announcement will be made after Portal Steering Committee reviews the portal
- Jeff Dobb (NRIS GIS Analyst) is in close communication with ESRI
- NRIS recently discovered that a new version of the portal software is available and are taking steps to complete the upgrade

MAGIP Issues - Kris Larson
- Handout provided "MAGIP Issues"
- Intend to due a better job at keeping up with the calendar of events
  - ○ Janet Cornish is assisting with this process
  - ○ Items will be posted on the MAGIP website and in the GIS newsletter
  - ○ If you have or know of any GIS events please bring them to the attention of Janet
- Upcoming event: A Tech Session in Great Falls at the Townhouse Inn
  - ○ October 28- 29, $40.00 entry fee
  - ○ There is a surveymonkey.com link available through the MAGIP list asking for ideas on topics for the technical session
  - ○ A spring session is also being scheduled
- Resurrecting the GIS quarterly newsletter "the Vector"
  - ○ Patricia Williams is the editor
  - ○ Evan will do a regular feature on what is happening at MLIAC
  - ○ First newsletter is slated to be available on October 13
  - ○ Articles are due by September 22
- Erin, Patricia and Kris are working on a MAGIP flyer
  - ○ To be used as members travel in and out of State to educate people on what different groups are doing
- Statement made at the Summit that Kris wanted to share with Council:
  - ○ "One of the discussion points that we felt was very important to capture for future discussion is the feeling that we are completely missing the middle. In terms of training, in terms of the opportunities for mid-level training in terms of the members, in terms of the middle ground of understanding terms such as federated, framework and business application. In terms of members, we are missing the "ologists", the professionals, like

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maybe a hydrologist that is using GIS rather than the GIS professionals"
- MAGIP did send out a letter of support for the Base Map Service Center
- The 2009 Intermountain GIS Conference will be in Coeur D'Alene Idaho, not much else is known at this point
- The 2010 Conference will be held in Bozeman, Montana
  - o Request Council work with the planning committee to structure a day long session that targets policy makers and coincides with the conference agenda
- July board meeting
  - o Treasurer is Tony Thatcher
  - o Awarded two $1,000 scholarships to University students from MS.
    - Christina Carr: fault segmentation control on alluvial fan development along the Lumhi fault in east central Idaho
    - Steven Jay: detection of leafy spurge using a remote control aircraft outfitted with hyper spectoral censors
- All MAGIP meetings will be 2 weeks prior to MLIAC meetings.

NAIP Status – Stu Kirkpatrick
- o Handout provided: Montana 2009 NAIP Partnership Funding Estimates
- o Montana contribution required to purchase a 4 band product is $575,935.
- o This amount does not included any additional federal contribution
- o We need to contact new contributors
- o DNRC has an additional $1500.00 to contribute
- o In December, Robin will have to write a letter of commitment
- o If additional funds are raised, the intent is to reduce MLIA NAIP funding and move those monies back into the grant process
- o PowerPoint presentation by the APFO is available online
  - What are we paying for?
  - Full State 1 meter
  - Imagery with the intent to focus up to a four band
- o Discussion was held about increasing the frequency of doing NAIP every three years
  - It would be impractical for us as a State to raise that amount on a three-year schedule
  - Suggest discussing a six year cycle
- o The Feds are confident they can provide the necessary funding for the 2010 product
- o Canada is interested in assisting with the Montana NAIP program
- o Private organizations will continue to receive the data at no charge
- o County: provides their own data as well as data from other counties
- o There are talks between the National States Geographic Information Council and Google, but these discussions probably do not pertain to our applications

ESRI International User Conference – Lance, Evan

- LANSAT 5 and 7 imagery will be available for free the first of next year
- The swath of the LANSAT satellite is available now under earthnow.usgs.gov
- Quality issues with software were addressed this year and improved
- A Portal discussion regarding technical issues was helpful
- City of Bozeman was very pleased with CAD integration

Geographic Names for Montana Presentation - Lee Macholz (UM-NCLFA)
- Handout provided and final report is available on the website @
  http://firecenter.umt.edu/files/images/GNIS_in_Montana_NCLFA_FinalReport_June08.pdf
- From the perspective of the fire center, they are using federal GNIS dataset in GIS
- Not an easy dataset to use, very little control
- When using general download, the primary points are not necessarily is Montana
    o Example: Missouri River search begins at a point in Illinois
- Only official names can be used even though alternate names are available
    o Example: Flathead area does not load Salish Kootenai names
- Because of this, users perceive errors in the dataset
- Need to be able to crosswalk this information with other dataset
- Frustrations include:
    o Little control to influence dataset
    o Little local investment
    o Federal level has the ability to update information as it changes but it is not being
      utilized
- 3 fold purpose
    o To propose a data model for geographic names in Montana
    o To do some analysis on the GNIS dataset and how it related to Montana
      framework datasets
    o To show an example of using the GNIS dataset in an application for Montana
- Believe this would be a stewardship theme in the future for maintenance
- Request that address naming be written in as part of the Land Plan
- Talk to Montana Tech, Geology Department in Butte about helping/working on this issue

Open Forum and Public Comment
- 2009 NSDI cap grant solicitation will go out next month so keep your eyes open if you want
  to apply. There is one for transportation, one for s a metadata trainer one, and one on portals
  and stewardship.
- Reiterate what a great opportunity we have to meet the Governor's challenge
    o Governor's challenge will be translated into Land Plan going forward
    o Mapping red dead:
        ▪ How would you communicate with public?
        ▪ Start with this body and the MAGIP users group
    o Round table about what each individual agency is doing

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- Technical level discussions…perhaps promote as part of release of the Land Plan
- MACO conference is in Hamilton at the end of the month
- The 5th Annual IT Government Conference will be held at the Red Lion Colonial Inn on December 10-12
    - GIS track
    - Keynote speaker: Larry Sugarbaker
    - Contact Art Pembroke or Robin Trenbeath

Next Meeting Date

- Next MLIAC meeting will be on Tuesday December 9th from 10:00 am – 2:00pm

Next Meeting Agenda Items

- Land Plan/ Governor's Challenge
- Review of the MLIA rules
    - Administrative costs and reasonability language
    - Darlene Staffeldt, Art Pembroke, Stu Kirkpatrick
- MAGIP policy
    - Talk about cooperation
- Status of HP49
- Stewardship profile status
    - Stewardship themes are being left behind
        - No communication
        - Need agencies to step up
        - Need stewards to step-up
        - MAGIP technical conference
- Metadata Standards status
- Outreach Status/Report
- NAIP Status
    - Letter from Robin to Feds to solicit funds
- Addressing Project
- Grant Administration Guidelines Rough Draft
- Post information in time for council to review before meeting

Adjourn