Things I Learned in Montana

Dave Cowen, NGAC Chair
September 18, 2012
The glaciers are melting – but still beautiful
Lots of waterfalls
Some of the roads leak
The city fathers in Kalispell make many decisions over a cup of coffee – and meet in public
The citizens enjoy healthy competition – but not spelling bees
Montana has some glamorous casinos
People take extraordinary precautions when hiking on glaciers
There is abundant wildlife
The wildlife is sure footed
The Helena Maintenance Department enlists the aid of some wildlife to mow the grass.
And trim the trees
Dick does show up at work and has a nice view of the Capitol
Natural Resources Information System – 25 years
The State recognizes leadership – and that mature information should be part of library.
Data aligned with business processes

<table>
<thead>
<tr>
<th>Business process</th>
<th>Cultural</th>
<th>Elevation</th>
<th>Geodetic control</th>
<th>Government units</th>
<th>Hydrography</th>
<th>Ombudsmanship</th>
<th>Transportation</th>
<th>Structures</th>
<th>Geology</th>
<th>Hydrologic units</th>
<th>Land use/land cover</th>
<th>Soils</th>
<th>Wetlands</th>
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<tbody>
<tr>
<td>Property tax revenue</td>
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<td>Public safety and emergency response</td>
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<td>Private right of way</td>
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</tbody>
</table>
The State Library has more than 30 serious GIS creation, maintenance, and distribution folks.
Legislative Snapshot 2011

Includes information for the State of Montana, Senate District 4, and House Districts 7 and 8.

http://realtor.gov/legislative_snapshot/

Senate District 4
Senator Jon Sonju (R)
PO Box 2054
Kirtland, MT 59903-2954

House District 7
Representative Randy Brodel (R)
10 White Eagle
Kalispell, MT 59901-2122

House District 8
Representative Steve Lavin (R)
PO Box 11241
Kalispell, MT 59904-4241

Recovery

Federal ARRA Funds Awarded to Federal Agencies for Projects in Montana

Federal agency recovery awards granted in Montana as reported by spokespeople.

2009 Montana ARRA Funds Awarded

<table>
<thead>
<tr>
<th>Category</th>
<th>Awarded</th>
<th>Projects</th>
<th>Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>12,375,000</td>
<td>53</td>
<td>9</td>
</tr>
<tr>
<td>Education</td>
<td>5,250,000</td>
<td>21</td>
<td>4</td>
</tr>
<tr>
<td>Health Care</td>
<td>3,500,000</td>
<td>14</td>
<td>3</td>
</tr>
<tr>
<td>Transportation</td>
<td>2,000,000</td>
<td>9</td>
<td>2</td>
</tr>
</tbody>
</table>

Broadband Technology Opportunity Program

Under the Broadband Technologies Opportunity Program (BTOP) and in partnership with the Bill & Melinda Gates Foundation, the Montana State Library will partner with MT of Montana’s public libraries to expand access to high-speed Internet to 8% of the state’s population by 2013. The project includes local libraries to bring Internet access to as many as 2,000 rural communities in Montana, through public libraries and other organization’s facilities to provide adequate access to the thousands of Montanans who need it. As a result, libraries provide critical services currently having limited access to two hours of computer use, as well as provide Internet access to those who have limited ability to apply for social services, find jobs, or complete research.

http://www.montana.gov/btop/

Montana Reinvestment Act Project Categories

- Health and Human Services
- Education
- Transportation Infrastructure
- Power
- Water investment
- Transportation
- Agriculture
- Energy

Source: Montana State Library, December 2010

The BTOP grant was funded by dollars made available through the American Recovery and Reinvestment Act (ARRA). For more information about ARRA funded projects in Montana see: http://recovery.mt.gov/
Legislative Snapshot

Montana Senate District 4

Legislative Districts 2005-2014
They wonder why the people in DC needed to invent a new word
Wall to Wall Parcel Layer
Federal / Tribal Land Ownership
An Attribute of a Parcel
Parcel Representation for Glacier NP & Blackfeet Reservation
Parcel Representation for National Park, Reservation and Commercial Real Property

Primary Information:
- Property Category: RP
- Geocode: 38-4734-33-2-01-0000
- Assessment Code: 0000036343
- Owner: USDA NATIONAL PARK SERVICE
- Property Address: PO BOX 25387
- DNVR, CO 80225-0287
- NOTE: See the Owner tab for all owner information
- Certificate of Survey:
  - Subdivision:
    - Legal Description: S13, T23 N, R14 W, ALL SW OF NATL PARK BOUNDARY
  - Last Modified: 5/4/2012 1:56:35 AM

General Property Information:
- Neighborhood: 001
- Property Type: Exempt Property
- Living Units: 0
- Levy District: 38-1400-98/RS
- Zoning: Ownership %: 100
- Exemptions: No exemptions exist for this property
- Linked Property: No linked properties exist for this property

Commercial Property Information:
- Property Category: CP
- Geocode: 38-4734-34-3-01-0000
- Assessment Code: 0000033292
- Owner: GLACIERS PARK INC
- Property Address: 1500 N CENTRAL AVE STE 1100
- PHOENIX, AZ 85004-6081
- NOTE: See the Owner tab for all owner information
- Certificate of Survey:
  - Legal Description: S14, T25 N, R14 W, ACRES 53.94, LOTS 4 & 5, WIZEDH
  - Last Modified: 5/18/2012 1:21:02 PM

Reservation Property Information:
- Property Category: RP
- Geocode: 38-4734-34-2-01-0000
- Assessment Code: 0000036027
- Owner: USDA IN TRUST
- Property Address: PO BOX 150
- GROWNING, MT 59447-0105
- NOTE: See the Owner tab for all owner information
- Certificate of Survey:
  - Subdivision:
    - Legal Description: S13, T23 N, R14 W, GOVT LTTS 1, 2, 3 34-35-14
  - Last Modified: 5/4/2012 1:56:35 AM

Property Factors:
- Topography: 1
- Frosting: 1 - Major Strip or Central Business District
- Utilities: 7, 9
- Parking Type: Access 1
- Parking Quantity: 1
- Location: Commercial Area
- Parking Proximity: 1
# Private Real Property

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Land Use</th>
<th>Land Use</th>
<th>Valuation</th>
<th>Structures</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARLSON MICHAEL S &amp; ANNETTE L</td>
<td>1001 14TH AVE B</td>
<td>Residenz Urban</td>
<td>Residenz Street</td>
<td>Residential</td>
<td>Parking</td>
</tr>
<tr>
<td>POLOMA, MT 59860</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Owner**: CARLSON MICHAEL S & ANNETTE L
- **Address**: 1001 14TH AVE B, POLOMA, MT 59860
- **Land Use**: Residential, Street
- **Valuation**: Residential, Parking
- **Structures**: Parking

*Note: The image contains a screenshot of a property record card with details such as owner, address, land use, valuation, and structures.*
Bureau of Reclamation
Dear Montana Hunter,

Montana law specifies that ALL hunters must obtain landowner permission before hunting on private property.

In order to help hunters comply with the law, Fish, Wildlife, & Parks (FWP) staff prepared this directory of landownership maps to assist hunters in trying to identify landowners and boundaries. Although maps are good tools, hunters should also contact area landowners and land management agency staff to ensure that map information is correct.

Ultimately, the key to maintaining Montana hunting access revolves around hunters and landowners establishing good relationships and communicating with each other. I hope this guide helps facilitate that communication.

Good luck afield.

M. Jeff Hagener
Director
Antelope Distribution
- General Range
- Winter/General Range
- Indian Reservation
- National Park

Distribution is not delineated by Montana Fish, Wildlife & Parks within Indian Reservations or National Parks.
Fishing Access
Contact Information
Data Distribution – going to the cloud
90-1-411. Montana land information account -- use of funds -- action by department -- hearing. (1) Money in the account may be used only for the purposes of this part, including purchasing technology to assist in collecting, maintaining, or disseminating land information and funding the budget required under 90-1-410.

(2) If the department determines that a recipient of funds from the account has not used or is not using funds in the manner prescribed by the department, the department may, after notice and hearing as provided for in Title 2, chapter 4, suspend further payment to the recipient.

(3) A recipient to whom the department has suspended payments under this section is not eligible to receive further funds from the account until the department determines that the recipient is using funds in the manner prescribed by the department.

History: En. Sec. 9, Ch. 135, L. 2005.
Montana’s Cadastral Layer Business Impact

Prepared for the Montana Land Information Advisory Council

by
ROI for cadastral data

Cadastral Framework Value
During a 6 month period from April 2008 through September 2008 ITSD’s web monitoring programs recorded an average of 173,218 visits per month with an average length of 8.20 minutes per visit.

<table>
<thead>
<tr>
<th></th>
<th>percentage</th>
<th>2008 average compensation</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>35%</td>
<td>$20.55/hour $^{1}$</td>
</tr>
<tr>
<td>Private</td>
<td>62%</td>
<td>$15.35/hour $^{2}$</td>
</tr>
<tr>
<td>Federal</td>
<td>3%</td>
<td>$37.09/hour</td>
</tr>
</tbody>
</table>

$^{1}$ Average 2008 state compensation from the State Research and Analysis Bureau, DoLI

$^{2}$ Average 2008 Montana private sector compensation from the State Research and Analysis Bureau, DoLI

FASS’s customers are the same type of firms that are using Montana’s cadastral data. That implies the annual value of Montana’s cadastral files is roughly $4.1 million.

**County downloads**
24,180 downloads / 3 files per county x $300/download = $2,418,000 annually

**State downloads**
100 estimated customers x ($300/county x 56 counties) = $1,680,000 annually
The annual return on investment is the difference between the annual costs and benefits.

- Minimum annual value of parcel information: $6,000,000
- Minimum annual value of cadastral files: $4,098,000
- Annual cadastral infrastructure costs: -$762,300

Annual return on investment: $9,335,700

The second site provides access for downloading entire counties and a state-wide cadastral file.

<table>
<thead>
<tr>
<th>file</th>
<th>total downloads over 3.5 years</th>
<th>average annual downloads</th>
<th>average monthly downloads</th>
<th>estimated unique visitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>county files</td>
<td>72,268</td>
<td>24,180</td>
<td>2,015</td>
<td>unavailable</td>
</tr>
<tr>
<td>statewide files</td>
<td>3641</td>
<td>1040</td>
<td>24.8</td>
<td>75-100</td>
</tr>
</tbody>
</table>
Right of Way and Real Estate Decisions

Proposer research

- public scoping meetings

Application

- Alternative Siting Study (3 alternatives)

DEQ backcheck

- public notifications

Environmental Assessment or Environmental Impact Statement

Home owner research

- Listing

MLS data sheet

- Marketing
  - buyer research
  - broker research

For sale by owner

- Accepted offer

MLS Listing

Settlement

- Mortgage process
  - loan originator
  - appraiser
  - title insurance
The Keystone XL Project - A $5.2 billion crude oil pipeline project extending approximately 282 miles across Montana. Power line and associated facility upgrades will be required in multiple locations along the route.
Federal Users of Montana Cadastre Data

Federal users comprise 3% of overall traffic volume to the cadastral site. Federal visitors came from the following departments and agencies.

- Environmental Protection Agency
- Bureau of Land Management
- Air Force
- Army
- Navy
- Western Area Power Administration
- US Courts
- National Park Service
- Bonneville Power Administration
- Department of Transportation
- Internal Revenue Service
- Department of the Interior- Bureau of Reclamation
- US Geological Survey
- Department of Agriculture
- Department of Justice
- National Institutes of Health
- Indian Health Service
- US Fish and Wildlife Service
- US Postal Service
- Department of Homeland Security
- Federal Emergency Management Agency
- Department of Energy – Princeton Plasma Physics Laboratory
Cobell v. Salazar - Montana banker sued the federal government over misspent money accounts. The settlement also includes $1.9 billion for the Department of Interior to purchase checkerboard land and return it to tribes as well as up to $60 million for scholarships.
Montana Land Information Account Collections - FY2006 through FY2011

Annual county MLIA collection shown as a percentage of the six year average county collection

Current Data Frame Time: 2006

Percent of 6 Year Average County Collection

- Dark Red: 0 - 80
- Purple: 81 - 95
- Brown: 96 - 105
- Light Green: 106 - 120
- Dark Green: 121 - 248
Montana Land Information Account Collections - FY2006 through FY2011

Annual county MLIA collection shown as a percentage of the six year average county collection

Current Data Frame Time: 2007

Percent of 6 Year Average County Collection

- **0 - 80**
- **81 - 95**
- **96 - 105**
- **106 - 120**
- **121 - 248**
Montana Land Information Account Collections - FY2006 through FY2011

Annual county MLIA collection shown as a percentage of the six year average county collection

Current Data Frame Time: 2008

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Annual county MLIA collection shown as a percentage of the six year average county collection

Current Data Frame Time: 2009

Percent of 6 Year Average County Collection

- **0 - 80**
- **81 - 95**
- **96 - 105**
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- **121 - 248**

Montana State Library
Geographic Information
Montana Land Information Account Collections - FY2006 through FY2011

Annual county MLIA collection shown as a percentage of the six year average county collection

Current Data Frame Time: 2010

Percent of 6 Year Average County Collection

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Current Data Frame Time: 2011

Percent of 6 Year Average County Collection

- 0 - 80
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- 121 - 248
Conclusion

• Great place to visit in July
• Dick is clever as a fox
• Librarians know how to organize and share information
• Parcels are the important geographic features – the rest are attributes