

Montana Geodetic Control and HMP Meeting Report

July 28, 2009 10:00 A.M. to 12:00 P.M. at Montana Department of Transportation (MDT) headquarters, Helena, Montana in the ISD Conference Room (basement). ☎Phone-in conferencing provided by the MDT.

Participating Members

- ☎ Diana Cooksey, Montana State University
- Dave Davis, MDT
- ☎ Todd Ferris, Inland GPS
- ☎ Bill Grayson, BLM
- Stu Kirkpatrick, DOA
- Bryce Larsen, MDT
- ☎ Steve Niday, Missoula County
- ☎ Greg Thurston, City of Kalispell
- ☎ Michael Sweet, University of Montana
- Rj Zimmer, DJ&A

Members Not Present

- Celinda Adair, DNRC
- Dave Hoerning
- Tony Bachman, USFS
- Gerald Pavlick, Morrison Maierle, Inc.
- Curt Smith, NGS
- Bill Weber, Northwestern Energy

General Agenda

1. Montana control point database application development update
2. Geodetic Reference Center report
3. Montana CORS
4. Montana Height Modernization Program
5. Outreach materials such as Executive Summary, MTHMP brochure.
6. MTHMP Projects
7. Action items / responsible party / due dates.
8. Next meeting.

Reports

To preview Mt. Geodetic Control Web site: http://giscoordination.mt.gov/geodetic_control/msdi.asp and MDT Web site for Montana Height Mod: <http://www.mdt.mt.gov/mdt/heightmod.shtml> and to refer to past committee meeting minutes, reports, and other information.

1. Montana Control Point Database (MCPD).

MCPD – Viewer is ready and will be installed on ITSD server at the end of August, then will be ready for GC committee to test and review. The data uploader is mostly ready with some minor tweaks needed. There was discussion on sample data exports from survey software to this application. Steve Niday has tested exporting his data, which he can then bring into the standard spreadsheet (an update is available on http://giscoordination.mt.gov/geodetic_control/MCPD_MASTER_20090501.xls). The GC will have an application review session once the app is installed at ITSD (end of August??)

2. Geodetic Reference Center report.

A. An updated list of potential hosts and contacts is as follows:

<u>Agency/University</u>	<u>Member</u>	<u>Potential Contacts Provided</u>
MSU Bozeman	Diana Cooksey	Rick Lawrence, MSU Spatial Sciences Center Doug Smith, MSU Civil Engineering Brett Gunnink, MSU Civil Engineering–Dept. Head
MSU Northern	Diana Cooksey	Thomas Welch, College of Technical Sciences
UM Missoula	Michael Sweet	(to be provided – will send names to Zim)
UM-Montana Tech	Michael Sweet	(to be provided – will send names to Zim)
Flathead CC	Steve Niday	Dave Dorsett, Survey Instructor
MDT	Bryce Larsen	Loran Frazier, Chief Engineer James Walther, Preconstruction Engineer
NRIS	Stu Kirkpatrick	Evan Hammer, NRIS Manager, MT State Library
Base Map Service Center	Stu Kirkpatrick	Robin Trenbeath, GIO, MT Dept. Admin.
DNRC	Celinda Adair	(to be provided – ????)
MACO	RJ Zimmer	Harold Blattie 444-4360

B. Revised FAQs (see attached update)

C. Revised the brochure (see attached update)

D. Revised the technical experts list (see attached update)

E. Revised the host requirements document (see attached update)



GRC_PotentialHostsLst_08122009.pdf



GRC Host FAQ Aug 21 2009.pdf



GRC_Host_Incentives_Brochure_08212009.pdf



GRC_TechExperts_08122009.pdf



Montana GRC host support requirements

F. Schedule meeting with GIO to solicit his assistance with finding a host agency and working on funding

3. Montana CORS

A. Progress Report on Helena CORS – Everything has been installed. The receiver is collecting data but there is still a problem getting data to the NGS. Todd and Hoerning will work on resolving the issue and report back at the next meeting.

B. CORS priority list:

1. Lewistown – (complete equipment and monumentation)

A possible site has been selected at the MDT building. A four hour data set has been submitted to Curt Smith. Work will continue on developing this site.

2. Richland County – (split cost of pillar monumentation)

Contact will be made with Richland County to continue work on developing this site.

3. Montana Resources, Butte – (full cost of pillar monumentation)

4. Havre – (update existing receiver to 5800 (Inland GPS) purchase Zephyr Geodetic antenna)

5. Flathead Valley CC – (update existing receiver to 5800 (Inland GPS) purchase Zephyr Geodetic antenna)

6. Eastern Montana – Wolf Point, Miles City, or Plentywood – (complete equipment and monument)

7. Choteau – (check with U.S.F.S. for FY09 funding or FY10 funding)

No update given.

8. Hamilton – (check with Ravalli County and U.S.F.S for possible funding)

Update – the county is interested but does not presently have the funds to designate towards the project. The USFS was going to help with the Hamilton site but if funds are unavailable from the county they would possibly prefer a site located near Sula.

C. Dave Hoerning has developed a schematic for a pillar including a materials schedule and cost estimate sheet. Needs to be revised to include lower cost options acceptable to the NGS.

D. Discussed pricing of CORS base station receivers.

4. Montana Height Modernization Program (MTHMP).

- A. MTHMP budget review.
- B. Discussed MDT requirements, limitations and timeframe for purchasing CORS equipment and monumentation with MTHMP grant funds.
- C. Discussed status of extending MTHMP funds into FF2010.

5. Outreach.

- A. Discussed outreach plan. Dave Hoerning will be asked to develop and outreach plan to account for available funding once a revised MTHMP program is approved by the feds.
- B. No report was given on the status of the MTHMP one page hand out geared towards a technical audience.
- C. Curt Smith reported that he would be presenting a level workshop in Kalispell on August 6 and 7.

6. MTHMP Projects.

Greg Thurston updated the committee on the Flathead Valley Project.

7. Action items / responsible party / due dates.

- A. Continue work on GRC documents: contact/host list, FAQ, GRC incentive brochure, GRC host requirement document, technical expert. / Zim / Aug 28.
- B. Initial meeting with Geographic Information Officer (GIO) to inform him of the MTHMP status and enlist support, guidance, and direction in the pursuit of establishing the GRC. / Zim, Curt, and Stu / July or August.
- C. Work with surveyors to determine how current processing software packages can produce output data in a format that could be imported into the Geodetic Control Point spreadsheet and determine what it would take to make this work efficiently for batch processing. / Zim, Steve Niday, Dave Davis / Anytime.
- D. Complete installation of Helena MDT CORS. / Dave Hoerning with support from Todd Ferris / Aug.
- E. Check with U.S. Forest Service on availability of FY09 funds and if not available FY10 funds to purchase and install a CORS in Choteau. / Todd / Aug 25 meeting.
- F. Update monument spreadsheet to include lower cost options acceptable to the NGS. / Hoerning
- G. Improve MTHMP 1-pager with emphasis towards non-technical audience. / Curt, Celinda / Aug 25 meeting.
- H. Include MTHMP Budget review at every future meeting. / Bryce – MDT / Ongoing.
- I. Develop an outreach plan for revised funding. / Hoerning – MDT / date to be set.

7. Next Meeting/Upcoming Events.

The next meeting is scheduled for Tuesday, August 25, 2009 beginning at 10:00 A.M. and ending 12:00 P.M. at the ISD conference room MDT headquarters, Helena Montana.

Phone-in conferencing will be available for out of town participants. If you are requesting a local call-in number please let Bryce know as early as possible as local numbers are a separate request for phone conferencing and do not cost as much as the toll-free numbers.