Geothermal Research and Development

Energy and Telecommunications Interim Committee July 15, 2016

John Metesh, Montana Bureau of Mines and Geology

Background

HOUSE BILL 333 (61st Legislature)

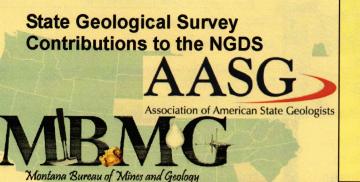
An Act Allowing the Bureau of Mines and Geology to Conduct Geothermal Research

During the 2011 biennium the Montana Bureau of Mines and Geology shall conduct geothermal research that: (a) characterizes the geothermal resource base in

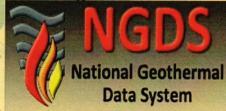
- Montana; (b) tests high-temperature and high-pressure drilling technologies benefiting geothermal well construction; and
- (c) determines reservoir characterization, monitoring, and modeling necessary for commercial application in

The MBMG shall submit a report to the Energy and Telecommunications Interim Committee. The report, based on research conducted, must include:

- (a) a ranking of the top five locations in Montana that offer the best opportunity for near-term development of geothermal energy; and
- (b) an estimate of the cost associated with development of each site.



The MBMG continues its participation in the National Geothermal Data System with regular updates. In addition, we improve public access to geothermal data through our own website - searchable by county or by project to provide temperature and chemistry for each site.

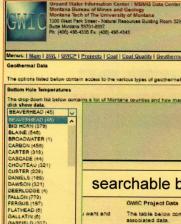


detailed chemistry...

sample Id/Site Id: 201603 / 7121 Sample Id/See Id- 2016/03/7121
LOSSION (TRS), 025 OEE 14 DAD
LARTLIGH/LONG THE MEDICAL SEE THE

Project: GEOTHERM, GEOTHERMAL2011

searchable by county...



searchable by project...

Project Name	Site Data	Site Visit Data	Water Quality Data	Isotope Data	Surface Water Data	Water Level Clata	Plvoto Data	Weather Data
ALL GEOTHERMAL SITES IN MONTANA (GEOTHERMAL2011)	0	0	0	•		0		
WEST YELLOWSTONE GEOTHERMAL INVENTORY 1979 (WESTYELLGEO)	•	6	•					
DATA FOR GEOTHERMAL SITES IN MONTANA (MBMG OPEN FILE 415) GEOTHERM)	•	•	•	•		•		
SEOTHERMAL RESOURCES MAP OF MONTANA (HMM)	•	0	•					
PHASE ZERO STUDY RESULTS-GEOTHERMAL POTENTIAL OF THE MADISON RROUP AT SHALLOW DEPTHS IN EASTERN MONTANA FINAL REPORT MBMGORR26)	•	•	•					
ORILLING OF CAMPAQUA GEOTHERMAL TEST WELL #1 HOT SPRINGS, MONTANA (MBMGOFR80)	•	•	•					
SEOTHERMAL DATA-BASE STUDY MINE-WATER TEMPERATURES (MBMGSP79)	•	•	•					
WHITE SULPHUR SPRINGS GEOTHERMAL STUDY (WSSGS)	0	6	•			a		

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LECOMMUNICATIONS ERIM COMMITTEE 2015-2016 旧



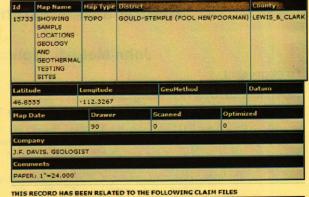
past use, or anecdotal information through our Data Preservation Program - just one of several databases available through the new MBMG Data Center at http://www.mbmg.mtech.edu/

border. Derived from LiDAR

surveys.

Mining Archives Database: Map File

The table below lists the records available in the MBMG Mining Archives database for the



Id Opt Associated Name County State

ld	Opt	Name	Number	Туре
17792	View	MEADOW CREEK		LODE

There are no currently related property file records geothermal mine discharge Display Format: Card V Refine Search

Mining Archives Database

The records displayed below match your search criteria. To view more detail for any record, click the highlighted identification number. To view any scanned documents, click the PDF icon where available.

Title: SHOWING SAMPLE LOCATIONS GEOLOGY AND GEOTHERMAL TESTING SITES Latitude/Longitude: 46.8555°N, -112.3267°W Location (TRS): ounty: LEWIS_&_CLARK Mining District: Title: USBOM MINERAL RESOURCES (FIGURE 39) KNOWN GEOTHERMAL RESOURCE AREAS GEOTHERMAL WELLS AND HOT SPRINGS IN GALLATIN NATIONAL FOREST atitude/Longitude: 45.387578°N, -110.335428°W ocation (TRS): County: PARK

Mining District: 2 records listed.

Montana as they come available.

