



Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor
Mark J. Belton, Secretary
Mark L. Hoffman, Acting Deputy Secretary

MEMORANDUM

TO: Maryland Geologic Mapping Advisory Committee (attached)

FROM: Richard Ortt, Director, Maryland Geological Survey

DATE: October 7, 2015

SUBJECT: Minutes from the 2015 Maryland Geologic Mapping Advisory Committee meeting held on October 2, 2015

The 2015 annual meeting of the Maryland Mapping Advisory Committee was held at Maryland Geological Survey on October 2, 2015. As a meeting subject to the Maryland Open Meetings Act, this meeting was advertised on the MGS website and the press was also invited (Mr. Scott Dance from the Baltimore Sun). A quorum consisting of six of the eight voting members was present. The active Committee voting and non-voting member list is shown in Table 1. The attendees of the meeting are listed in Table 2.

1. Richard Ortt called the meeting to order at 10:00 am, welcoming guests and asking Committee members to introduce themselves.
2. A presentation was given outlining recent and current Maryland Geological Survey (MGS) mapping projects and products.
 - a. Steve VanRyswick described mapping projects along the Atlantic Coast, the Chesapeake Bay and the Piedmont-Western Maryland regions.
 - i. Atlantic seafloor mapping
 1. MD Energy Administration (MEA): Offshore wind energy bottom mapping (2013-2015);
 2. BOEM: offshore data inventory (2014 - 2016);
 - ii. Chesapeake Bay mapping
 1. Chesapeake & Coastal Service (CCS): Shoreline Rates of Change mapping for Anne Arundel and Baltimore counties (completed June, 2015);
 2. Chesapeake & Coastal Service (CCS): Shoreline Rates of Change mapping for Calvert and Prince George's counties 2015-2016);
 3. DNR Fisheries and NOAA: Bay Mapping Cooperative conducting surveys of habitat sites (ongoing);
 - iii. Piedmont/Western mapping
 1. Washington Suburban Sanitary Commission (WSSC): reservoir sediment accumulation surveys (2014 - 2015);
 2. DNR Parks: Lake bathymetry, fishing, and sediment mapping surveys (2015);

- b. Richard Ortt (proxy for David Bolton) described hydrogeologic mapping projects.
 - i. Aquifer Water Level mapping
 1. PowerPlant Review Program: Map water levels in Southern MD in various aquifers determining isotopotentiometric surfaces (2015 and every two years);
 2. MDE: Monitor 450 groundwater wells in various aquifers to map groundwater levels throughout the State (ongoing);
 - ii. Groundwater Quality mapping
 1. Garrett County and MDE: Compile various datasets to map contamination and elemental concentrations in groundwater throughout the County. (2013-2015);
 2. Garrett County, MDE, DNR: Map methane concentrations in wellwater throughout Garrett County (2013-2015);
 - c. Rebecca Kavage-Adams presented information regarding the changing of geologic field mapping within MGS. Historical field mapping involved paper maps, pencil, photographs, and field notebook descriptions. Some limitations were due to the maps being limited in scale and absolute positioning. MGS is changing to mapping via an iPad with built-in GPS positioning, LIDAR maps infinitely scalable, digital gps coded photographs, and in the field GIS file creation. This should yield more accurate and more readily distributable maps in GIS format.
 - d. David Brezinski presented details about the current mapping project in Western Maryland
 - i. STATEMAP/ State Highways Administration: Central/Western Maryland Projects (2014 - 2015)
 1. Geologic map of the Accident Quadrangle (2014-2015) and the findings of high angle reverse faults;
 2. Geologic maps of the McHenry and Sang Run quadrangles (ongoing);
 3. Landslide maps of Williamsport were shown as a "project in search of a partner". As discussed and agreed upon by the committee during our 2014 meeting, a focus on Karst and Landslide Hazards maps is desirable. The landslide maps and proposal have been made, but we have been unsuccessful in finding a funding agency for this project. MGS will continue to look for funding for this project.
3. A significant change to the intermediate-term strategy for geologic mapping in the State was introduced. For the recent years, MGS has only been working in the Appalachian Plateau. With the addition of another field mapper, MGS proposed to add a second project area, the Piedmont. This second area will allow additional mapping in areas that are quickly developing; and furthermore, will allow geologic mapping during the winter time when portions of Western MD are hindered by snow. The committee unanimously agreed to the creation of this second project area.
 4. Dave Brezinski outlined the proposed quads for geologic mapping in Maryland for the 2016 STATEMAP proposal. The committee discussed these quads and voted unanimously to support the effort.
 5. Mr. Sam Stribling discussed integrating the geologic maps with soil cover mapping, and MGS agreed that they would work with SCS in determining a way to integrate or produce co-released information for this.
 6. The meeting adjourned at 12:00 noon.

Table 1: Maryland Geologic Mapping Advisory Committee, October 2015**Voting Members:****Dr. David A. Vanko***(Chairperson GeoMAC Committee)*

Dean of the Jess & Mildred Fisher College of Science and Mathematics

Towson University

Towson, MD 21252-0001

Phone 410-704-2121; Fax 410-704-2604

dvanko@towson.edu**Ms. Janet DeTore**

Hillis-Carnes Engineering Associates, Inc.

Corporate Headquarters

10975 Guilford Road, Suite A

Annapolis Junction, Maryland 20701

Phone 410-880-4788, ext 124

jdetore@hcea.com**Mr. Eric Dougherty**

Chief, Engineering Geology Division Office of Materials Technology

Maryland State Highway Administration

7450 Traffic Drive,

Hanover, Maryland 21076

Office toll-free: 866-926-8501 Desk: 443-572-5171; Fax:

410-787-0483 Cell: 443-695-0939

EDougherty@sha.state.md.us**Mr. Phillip King**

State Soil Scientist, DE/MD/DC

USDA/NRCS

1221 College Part Drive, Suite #100

Dover, DE 19904

Phone 302-678-4172

Phillip.King@de.usda.gov**C. Edmon (Ed) Larrimore**

Administrator, Mining Program

Maryland Department of the Environment

Montgomery Park Business Center,

1800 Washington Blvd.,

Baltimore, MD 21230

ed.larrimore@maryland.gov

(410) 537-3557

Mrs. Mary Kay Foley

Director MD-DE-DC Water Science Center

U.S. Geological Survey

5522 Research Park Drive

Baltimore, MD 21228

Phone 443-498-5501; Cell 410-746-1897

mkfoley@usgs.gov**Dr. James B. (Sam) Stribling**

Director, Aquatic Ecology Tetra Tech, Inc.

10045 Red Run Blvd., Suite 110

Owings Mills, MD 21117

Phone 410-356-8993; Fax 410-356-9005

james.stribling@tetrattech.com**Ms. Marion Wiggins**

P.G. Senior Geologist

Vulcan Materials Company

875 Oxford Avenue

Hanover, PA 17331

Phone 717-637-7121 x498; Fax 717-637-1234

wigginsm@vmcmail.com**Non-Voting Members:**

Richard A. Ortt, Jr.

Director and State Geologist

Maryland Geological Survey

2300 St. Paul Street

Baltimore, MD 21218

Phone 410-554-5503; Fax 410-554-5502

richard.ortt@maryland.gov

Mr. David Bolton (ex officio; non-voting)

Project Chief, Hydrogeology & Hydrology

Maryland Geological Survey

2300 St. Paul Street

Baltimore, MD 21218

Mr. Stephen VanRyswick (non-voting)

Acting Project Chief, Coastal & Environmental Geology

Maryland Geological Survey

2300 St. Paul Street

Baltimore, MD 21218

Phone 410-554-5561; Fax 410-554-5502 david.bolton@maryland.gov	Phone 410-554-5544; Fax 410-554-5502 stephen.vanryswick@maryland.gov
Mr. Jeff Halka (ex officio, non-voting) Emeritus Director & State Geologist Maryland Geological Survey 2300 St. Paul Street Baltimore, MD 21218 Phone 410-554-5503 jeffrey.halka@maryland.gov	Dr. James Reger (ex officio; non-voting) Principal Geologist, Coastal and Environmental Geosciences (retired) Maryland Geological Survey 2300 St. Paul Street Baltimore MD 21218 regerj@comcast.net

**Table 2. Attendees of the Annual Meeting on
October 2, 2015**

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Name	Position
Dr. David Vanko	Chairman, Voting Member
Janet DeTore	Voting Member
Marion Wiggins	Voting Member
Mary Kay Foley	Voting Member
Sam Stribling	Voting Member
Eric Dougherty	Voting Member
Dr. Jim Reger	Non-Voting Member
Jeff Halka	Non-Voting Member
Stephen VanRyswick	Non-Voting Member / Presenter
Richard Ortt	Non-Voting Member / Presenter
Dr. David Brezinski	Presenter
Rebecca Kavage-Adams	Presenter