

# Michigan Geological Survey Report 12 from the K-12 Outreach Director, Peter Voice [Sept. 12, 2014]

## New Items:

1. Aug. 17<sup>th</sup> - Contacted Jason Hunter (Grand Haven Public Schools) to discuss Steve Barone and potential for CoreKids visit to his school.
2. Aug. 17<sup>th</sup> – Contacted Heather Petcovic and Andrew Bentley to discuss some of the logistics for post-MESTA clean-up.
3. Aug. 18<sup>th</sup> – provided report 11 to the Survey Committee.
4. Aug. 18<sup>th</sup> – responded to email from Dave Chapman in support of CoreKids helping with the MESTA/MSU National Fossil Day event – he is quite supportive.
5. Aug. 18<sup>th</sup> – responded to email from Jason Hunter (Grand Haven Public Schools) on Steve Barone’s employment status.
6. Aug. 18<sup>th</sup> – responded to email from Jay Kim about employment with the CoreKids program.
7. Aug. 18<sup>th</sup> – discussed CoreKids staff briefly with Kathy Wright and will set up a meeting with the staff to discuss upcoming events.
8. Aug. 18<sup>th</sup> – sent out email to current and former CoreKids staff about availability of hours in the fall.
9. Aug. 21-24<sup>th</sup> – M.B.G.S. field trip – co-led by Bill Harrison and myself.
  - a. Discussed CoreKids activities with Andrea Bair (Delta College) – continuing discussion on having Delta College be a satellite CoreKids program.
  - b. Discussed going into a classroom sponsored by Tim Cowen (Trimont Energy)
  - c. Discussed National Fossil Day with Danita Brandt (MSU Department of Geological Sciences).
  - d. Discussed Michigan Basin Geological Samples that Danita Brandt and Robert Anstey had collected and whether they could be repositated at MGRRE. Will continue discussions with Bill and Linda Harrison and Danita Brandt.
10. Aug. 25<sup>th</sup> – met with John Yellich, Greg Rosine, Bill and Linda Harrison [all WMU] and Erin McDonough (Michigan Oil and Gas Association President)
  - a. Discussed the Survey as an independent third party
  - b. Provided overview of CoreKids program and Survey Outreach
11. Aug. 25<sup>th</sup> - Lisa Appel (Cranbrook Institute of Science) contacted me about their Rouge River Festival to confirm our attendance.
12. Aug. 26<sup>th</sup> - Received notification from Danita Brandt (MSU Geological Sciences) and Julie Fisk (MSU Museum) that CoreKids was being invited to their National Fossil Day Activities.

13. Aug. 26<sup>th</sup> – Suzanne Lutwick (WMU Foundation) notified me that the corporate sponsorship brochures had been printed and were ready to be sent out. I replied to her email, that I would talk to Linda Harrison about whether or not there were MGRRE contacts that we could also send the brochures to.
14. Aug. 28<sup>th</sup> – Received invitation from the Metropolitan Detroit Science Teachers Association meeting to attend their annual meeting in Nov. as an exhibitor.
15. Aug. 28<sup>th</sup> – Received notification from Lisa Appel as to which days she needs presenters for the Rouge River Festival.
16. Aug. 28<sup>th</sup> – sent out an email to the CoreKids staff requesting a meeting on Sept. 2 at 9:00 am to discuss upcoming events.
17. Aug. 29<sup>th</sup> – received an invitation to attend the Michigan Science Teachers Association Meeting.
18. Aug. 29<sup>th</sup> – sent email to Kim Clancy (Gull Lake Middle School) requesting information about their Spark Series: Science and Engineering Fair on Nov. 7-8<sup>th</sup>. Tentatively, we have an agreement to help out with it.
19. Sept. 2<sup>nd</sup> – Met with CoreKids staff to discuss fall CoreKids Events
20. Sept. 2<sup>nd</sup> – exchanged additional emails with Lisa Appel (Cranbrook Institute of Science) on their Rouge River Festival – worked out the logistics of CoreKids helping with the event.
21. Sept. 2<sup>nd</sup> – exchanged emails with Kyle Herm (WMU Foundation) about the possibility of CoreKids doing an event with Friendship Village.
22. Sept. 3<sup>rd</sup> – exchanged emails with Kim Clancy (Gull Lake Middle School) about their Sparks Series: Year of Science events. She asked me to contact Becky Eldridge who is one of the event coordinators – which I have done.
23. Sept. 3<sup>rd</sup> – exchanged emails with Ellie Lower discussing the possibility of CoreKids coming to the Gobles Elementary School Science/Job Fair on Oct. 23. I have outlined a few possible activities that CoreKids could do and requested more information from her.
  - a. Also exchanged emails with Amanda Cook, another teacher at Gobles Elementary School to set up some more of the logistics issues.
24. Sept. 4<sup>th</sup> – worked with Kathy Wright to hire Jay Kim for the CoreKids student staff.
25. Sept. 7<sup>th</sup> – exchanged several emails with Debbie Zolynsky (Lake Shore High School) about core pumps and writing a grant (to AIPG) to fund a set for her classroom.j
26. Sept. 7-8<sup>th</sup> – exchanged emails and phone calls with Dawn Caldwell and Jay Kim to discuss what activities to take to Cranbrook.
27. Sept. 8<sup>th</sup> – Heather Petcovic received feedback for our NSF DRK12 proposal and forwarded it to the rest of the working group. She is working to put together a

- meeting of the working group to discuss possibility of resubmitting by the Oct. 16 deadline.
28. Sept. 10<sup>th</sup> – exchanged emails with Lisa Appel (Cranbrook Institute of Science) and Dawn Caldwell discussing additional logistics and our needs in terms of presentation space for the Sept. 12<sup>th</sup> event.
  29. Sept. 11<sup>th</sup> – exchanged emails with Bill Mitchell (Kalamazoo Geological and Mineral Society) about loaning the core pumps to him for an Oct. 14<sup>th</sup> event he is running. I also asked for confirmation on whether the Nov. 4 K.G.M.S. meeting would still be at MGRRE.
  30. Sept. 11<sup>th</sup> – exchanged emails with Heather Petcovic and Brian Horvitz to discuss the NSF DRK12 reviews and the path forward. Meeting tentatively set to discuss resubmitting the proposal on Friday, Sept. 12 at 11:00 am.
  31. Sept. 11<sup>th</sup> – exchanged emails with Dave Chapman on the status of his request for information about the Traverse Group in support of a classroom project he is developing. Bill Harrison provided some support in tracking down some of the well information.
  32. Sept. 11<sup>th</sup> – Michigan Basin Geological Society Event at MGRRE. CoreKids had a display of some of our hands-on activities and I gave a brief overview of the program. I also talked to Bill Mitchell (K.G.M.S.) about their Nov. event and to Tim Cowen (Trimont Energy) about a school event he wanted to sponsor. Bill estimated 50 participants at the event.
  33. Sept. 12<sup>th</sup> – exchanged emails with Dave Chapman (Okemos High School) about his Traverse Group student project. I sent some clarifying details about the plot and will look for core photographs for him.

## Current Totals (July 1, 2014 to July 1, 2015)

Branch Co. Library System	234
U of M Museum of Paleontology	36
Kalamazoo Air Zoo	25
WMU Hydrogeology Field Camp MGRRE Tour	32
U of M Museum of Natural History	23
MESTA Conference	37
MBGS Sept. 11 meeting	50
<b><u>Total</u></b>	<b><u>437</u></b>

# Projected Totals of Upcoming Events

Cranbrook Rouge River Festival	~100
<b><u>Total Projected:</u></b>	<b><u>~100</u></b>
<b><u>Total Projected + Actual</u></b>	<b><u>537</u></b>

## a. Past Outreach Events, July 1<sup>st</sup>, 2014 and on

- i. July 3<sup>rd</sup> – University of Michigan Museum of Natural History Summer Camp
- ii. July 8<sup>th</sup> – Kalamazoo Air Zoo Eco Explorers Camp – on main campus [Michigan Geologic Resources and the Sandbox]
- iii. July 9<sup>th</sup> – Coldwater Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- iv. July 10<sup>th</sup> – Bronson Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- v. July 10<sup>th</sup> Sherwood Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- vi. July 11<sup>th</sup> – Union branch, Branch Co. District Library [Natural Hazards: Earthquakes Module]
- vii. July 16<sup>th</sup> – Kalamazoo Air Zoo Eco Explorers Camp – at Air Zoo
- viii. July 17<sup>th</sup> – Coldwater Branch, Branch Co. District Library [Natural Hazards: Earthquakes Module]
- ix. August 6<sup>th</sup> – Hydrogeology Field Camp MGRRE Tour
- x. Aug. 12<sup>th</sup> - University of Michigan Museum of Natural History Summer Camp
- xi. Aug. 14<sup>th</sup> –Aug. 16<sup>th</sup> – Michigan Earth Science Teachers Association Annual Meeting
- xii. Sept. 11<sup>th</sup> – M.B.G.S. Monthly meeting at MGRRE.

## b. Upcoming Events

- i. Sept. 12. The Cranbrook Institute of Sciences Rouge River Festival
- ii. Oct. 10-12. Michigan Mineralogical Society Annual Show
- iii. Oct. 14: Classroom visit by K.G.M.S. President using CoreKids Core Pumps
- iv. Oct. 18: MSU/MESTA joint National Fossil Day Event
- v. Oct. 23. Gobles Elementary School Science/Job Fair
- vi. Nov. 4. K.G.M.S. Club Meeting at MGRRE
- vii. Nov. 7-8. Gull Lake Community Schools Foundation – Sparks Series, Science and Engineering Fair.
- viii. Nov. 8 Metropolitan Detroit Science Teachers Association Meeting
- ix. Nov. 19: U-M, Museum of Natural History Geology Day
- x. March 18, 2015: U-M, Museum of Natural History Geology Day

