

Michigan Geological Survey Report 19 from the K-12 Outreach Director, Peter Voice November 13, 2015

New Items:

1. August 14th – presented Report 18 to the Director of the Michigan Geological Survey
2. August 14th – received email from Keith Agdanowski (Kalamazoo Geology and Mineral Society) – requesting assistance in finding guest speakers for their fall meetings. I forwarded the request to multiple faculty members.
3. August 17th – Scheduled CoreKids event with Gilden Woods – cancelled.
4. August 17th-18th – exchanged several emails with Keith Agdanowski (KGMS) on guest speakers – found three graduate students (Matthew Rine, Anthony Boxleiter and Andrew Bentley) willing to present. Each student will receive a small stipend.
5. August 18th – received American Geological Institute Earth Science Week packets for teachers. 50 sets – will use these as giveaways for teachers.
6. August 18th – Heather Petcovic sent me a nice manual on Outreach prepared by the American Association of Petroleum Geologists (<http://www.agiweb.org/education/aapg/index.html>)
7. August 18th – Dawn Caldwell provided updated metrics for the Branch Co. Library Events – 49 children and 21 adults.
8. August 19th – Kim Steinmann contacted me about the WMU Department of Geosciences 50th Anniversary celebration – we discussed the logistics of having a CoreKids booth for part or all of the celebration (Sept. 19-20).
9. August 19th – exchanged emails with Courtney Phillips, who provided feedback on the CoreKids website and recommended a link for the Rock and Minerals page. I thanked her for the feedback and offered to send her a few freebies.
10. August 19th – exchanged emails with John Yellich and Breanne LeJeune about the Phillips feedback and had Breanne update the links.
11. August 25th – talked with Linda Hensel (Michigan Section-American Institute of Professional Geologists Treasurer) about CoreKids outreach activities and possibility of AIPG support.
12. August 26th-28th – worked on various drafts of proposal and cover letter for MI-AIPG proposal. Final proposal submitted to Linda Hensel on August 28th. Exchanged emails with Linda Hensel over Aug. 28th-30th about when she would present the proposal to MI-AIPG executive board.
13. August 26th – attended Dept. 50th Anniversary Celebration committee meeting
 - a. Discussed a CoreKids Endowment with Kyle Herm (WMU Foundation)
 - b. Pledged a basket for the Gala
 - c. Discussed possibility of CoreKids booth during the Saturday events
14. August 27th – exchanged emails with Lisa Apfel (Cranbrook Institute) – schedule for Rouge River Water Festival.
15. Sept. 2nd – prepared letters of recommendation for Dawn Caldwell.

16. Sept. 3rd – received email from Linda Harrison about a request for a tour of MGRRE – I contacted the teacher (Laura Fobar, Reformed Heritage Christian School, Kalamazoo) about possible dates. Waiting to hear back from her.
17. Sept. 3rd – received a reply from Courtney Phillips with regard to the link her students sent us – I replied that we had added it to the web resources and directed her to the part of the website with the new link.
18. Sept. 4th – attempted to return call to Sean McCormack (St. Mary Catholic School, Big Rapids) – have not been able to get a hold of him.
19. Sept. 7th – exchanged emails with Steve Barone about possibility of him working for CoreKids again.
20. Sept. 7th – exchanged emails with Gail Thyfault (Red Arrow Elementary, Harford Public Schools) about the possibility of scheduling a corekids event with her second grade class. I sent her our brochures and some discussion of possibilities (MGRRE visit or Rood Schmaltz Museum visit). I am waiting to hear back from her.
21. Sept. 8th – exchanged emails with CoreKids staff – soliciting staff for the Cranbrook Rouge River Festival and the Dept.'s 50th anniversary. I also asked them for their fall schedules.
22. Sept. 9th – exchanged emails with Claudia Cabrera-Rodriguez (Michigan State University Science Museum) – discussing possibility of CoreKids working with Museum for their National Fossil Day celebrations.
23. Sept. 9th-10th – exchanged emails with Kathy Wright and Heather Petcovic with regard to request from University Admissions to tag along with our High School groups. I will start laying the groundwork to schedule a few high school events.
24. Sept. 10th – exchanged emails with Heather Petcovic about resources a retired teacher donated to her program – I will arrange a time to sort through the materials to find stuff for CoreKids. She also asked me if I could meet with Todd Ellis who is a new faculty member at Mallinson Institute (Geography-Climatology) and discuss CoreKids and MGRRE with him.
25. Sept. 11th – exchanged emails with Todd Ellis and Heather Petcovic – discussed setting up a tour of the MGRRE facility. Tentatively scheduled for Sept. 28th at 10:00 am.
26. Sept. 11th – exchanged emails with James Kurleto (Cranbrook Institute for Science) about the Rouge River Festival.
27. Sept. 11th – discussed MGRRE and CoreKids booths for the Department's 50th anniversary with Bill Harrison and Jennifer Trout.
28. Sept. 11th –exchanged emails with Annmarie Petroskey, Handy Middle School, Bay City about the possibility of scheduling a corekids event for her school's 6th graders.
29. Sept. 14th – met with Carlos Bertoni (Highland Copper) to discuss the CoreKids program. We discussed resources that CoreKids could share with their company's outreach activities in Ontonagon and Houghton counties.
30. Sept. 14th – exchanged emails with Claudia Cabrera-Rodriguez (MSU Science Museum) about the National Fossil days – logistics of the CoreKids booth.
31. Sept. 14th – exchanged emails with Annmarie Petroskey to discuss scheduling event with her class.

32. Sept. 15th – discussed via phone scheduling of CoreKids event with Diana Kruziak (Marshall Upper Elementary School).
33. Sept. 15th – Bill Harrison forwarded me information from Jac Lentz (Dune Energy) about a potential pledge of donation to the CoreKids program. Linda Harrison and I will work on a request letter for him to send to his company's administration.
34. Sept. 16th – prepared the CoreKids basket for the 50th anniversary celebration.
35. Sept. 16th – exchanged emails with Kelly Kietzerow (St. Joseph Schools?) about scheduling a corekids event with her classes – I sent her our brochures.
36. Sept. 16th – exchanged emails with Linda Evanko who requested information about the CoreKids program.
37. Sept. 16th – exchanged emails with Claudia Cabrera-Rodriguez (MSU Science Museum) about the National Fossil days – this time with regard to staffing of my booth and whether I needed MSU volunteers to help out.
38. Sept. 17th – exchanged emails with Maureen Kaczanowski (Kentwood Public Schools) about scheduling a corekids event.
39. Sept. 17th – exchanged emails with Laura Fobar (Kalamazoo Reformed Heritage Christian School) about scheduling an event for her class. I am working on the date – as her preferred date is already booked.
40. Sept. 18th – Linda Harrison and I drafted a letter for Jac Lentz (Plains All American Pipeline, L.P.) for their recent donation.
41. Sept. 18th – Exchanged emails with Robin St. Arnauld about the possibility of scheduling a CoreKids event for Moorsbridge Elementary (Portage, MI) – I asked that we postpone scheduling until I knew what are spring budget was going to be.
42. Sept. 18th – scheduled CoreKids Event – Rouge River Festival 2015 at Cranbrook Institute of Science. 80 students.
43. Sept. 19th – Department of Geosciences 50th Anniversary Event. CoreKids had a booth at the event.
44. Sept. 19th – Linda Hensel presented a donation check (\$5,000) to the CoreKids program at the Department of Geosciences 50th Anniversary Celebration.
45. Sept. 20th-22nd – CoreKids and MGRRE had a set of brochures and core pumps at the Michigan Basin Geological Society booth at the Eastern Section Meeting of the American Association of Petroleum Geologists Annual Meeting.
46. Sept. 21st – Exchanged emails with Kathy Wright to set up a meeting with Mohamed Sultan to discuss CoreKids fundraising.
47. Sept. 23rd – Exchanged emails with Ann Najera about scheduling a CoreKids event at her school in March – I asked her if we could postpone scheduling until I knew we had spring funding in place.
48. Sept. 24th – exchanged emails with Bill Mitchell (MI DEQ) about possibility of lending him a set of core pumps for his annual school visit to Star Elementary in Plainwell. I scheduled a time for him to pick the pumps up.

49. Sept. 25th – exchanged emails with Suzanne Lutwick, Bill and Linda Harrison about setting up a meeting to discuss grant proposals and other opportunities – tentatively scheduled for Oct. 8th at 2:00 pm.
50. Sept. 25th – sent email to Andrea Wilson and Chris DeWolf asking for an update on the program for the MESTA Annual Conference – trying to make sure that we know if we have to present or not.
51. Sept. 28th – Met with Heather Petcovic and Todd Ellis (Malinson Institute, WMU)
 - a. Discussed Climate Change Module and possibility of partnership with Todd for outreach activities
 - b. Discussed the MGRRE Portal proposal with Todd – had feedback from him about the proposal – working on adding him to the core group.
 - c. Toured MGRRE with Todd and Heather
52. Sept. 28th – met with Mohamed Sultan to discuss CoreKids funding.
53. Sept. 29th – sent registration materials for MESTA annual conference.
54. Sept. 30th – exchanged emails with Annmarie Petrosky (Handy Middle School) about scheduling a corekids event with her classes.
55. Sept. 30th – exchanged emails with Brittany Burgess (U of M Museum) about possibility of scheduling joint events.
 - a. Tentatively scheduled 1 event for Nov. 18th. Several other dates in the spring were listed and we will work on whether we can do them together or not.
56. Sept. 30th – exchanged emails with Laura Cross (Air Zoo) about meeting with Todd Ellis – possibility of collaboration. Asked about future joint events.
57. Sept. 30th – exchanged emails with Maureen Kaczanowski (Kentwood Public Schools) about scheduling an event – tentatively Oct. 28th. Michigan Fossils Module.
58. Oct. 1st – exchanged emails with DeEtta Crane (Greater Heights Academy) about the possibility of scheduling a corekids event at her school. I suggested that we might be able to fit them in the first week of November. Waiting to hear back from her with logistics details.
 - a. Scheduled the event for Nov. 6th.
59. Oct. 1st – exchanged emails with Mary-Anne Kent – whose daughter recommended a website for the rocks and minerals resources. I have forwarded the message to Breanne LeJeune and asked her to update the website with the link. – Breanne posted the link and I responded to Mrs. Kent.
60. Oct. 1st – exchanged emails with Heather Petcovic, Brian Horvath, Bill Cobern, Bill Harrison and Todd Ellis (WMU) about the MGRRE Portal proposal. Working on scheduling a group meeting to decide whether we are going to resubmit the proposal and if so what to change.
61. Oct. 1st – briefly met with Heather Petcovic – discussed possible students who could work with CoreKids program. I emailed several of the students and asked if they were interested.
62. Oct. 1st-2nd – Exchanged scheduling logistics emails with DeEtta Crane (Greater Heights Academy), Allison VanDriessche (Western Middle School); Diana Krzyzaniak (Marshall Upper Elementary School) and Annemarie Petroskey (Handy Middle School).
63. Oct. 2nd – scheduled CoreKids tour of MGRRE. 3 students and 1 teacher. Kalamazoo Reformed Heritage Christian School. Module – Michigan Geologic History.

64. Oct. 2nd – called Linda Hensel (AIPG) to discuss their grant to CoreKids. Waiting on response.
65. Oct. 5th – exchanged emails and phone calls with Linda Hensel. We discussed the Department of Geosciences' matching funds and our request to have the AIPG money placed in the new CoreKids endowment. Kathy Wright and Mohamed Sultan drafted a letter for Linda to present to the AIPG governing board.
66. Oct. 5th – exchanged emails with Diane Krzyaniak (Marshall Upper Elementary School) about logistics for their upcoming CoreKids event.
67. Oct. 5th – briefly met with Shelby Hurst (WMU graduate student) – we discussed employment opportunities with CoreKids.
68. Oct. 6th – briefly met with Heather Petcovic, Brian Horvath and Todd Ellis for a planning meeting on the MGRRE Portal Proposal.
 - a. Met with Bill Harrison separately to discuss some new ideas with the proposal – focusing the types of data digitized to a couple of wells only. We identified cores that would be suitable.
69. Oct. 7th – exchanged emails with Dave Chapman (Okemos High School) about the upcoming MESTA Annual meeting.
70. Oct. 7th-8th – exchanged emails with Milt Gere (Central Michigan Lapidary and Mineral Society) about his group's annual show. I am working on scheduling staff to visit the show for the Friday school activities.
71. Oct. 7th – exchanged emails with Todd Ellis (WMU) and Laura Cross (Kalamazoo Air Zoo) about Todd's inclination to work on joint outreach activities.
72. Oct. 7th – exchanged emails with Kali Nichols (Corporate Travel Service on behalf of Marshall Middle School) – we discussed the CoreKids program and possibility of scheduling an April event for Marshall Middle School on campus.
73. Oct. 7th – purchased Agar for the Hydraulic fracturing model – provided receipt to Kathy for reimbursement.
74. Oct. 8th – exchanged emails with Mike Broersma (Hudsonville Christian Middle School) about scheduling a CoreKids event with his school in late November-early December. He is requesting the Hydrogeology module.
75. Oct. 8th – Met with Charles Holanda to discuss employment with CoreKids program.
76. Oct. 8th – exchanged emails with Tom Occhipinti (MI DEQ) about a letter of Reference to Dawn Caldwell - I submitted a letter late in the afternoon.
77. Oct. 8th – exchanged emails with Bill Mitchell (KGMS) about sharing equipment and requesting his help with the Central Michigan Lapidary and Mineral Society. Bill will pick up the stratigraphic display on Sunday and return it to MGRRE.
78. Oct. 8th – met with Suzanne Lutwick, Bill and Linda Harrison and Jenny Trout – discussed potential Foundation proposals that we could submit to. Suzanne identified several potential foundations. We discussed how to streamline our proposals to be more effective.
79. Oct. 8th – exchanged email with Todd Ellis and Suzanne Lutwick – discuss joint proposal to the Kalamazoo Community Foundation.
80. Oct. 9th – prepared powerpoint slides and materials for talk at MESTA conference.

81. Oct. 9th – assisted Bill Harrison with sorting of the Steve Wilson sample collection – took 1 sample as a raffle item at the MESTA Conference
82. Oct. 9th – received donation from PAA Natural Gas Storage.
83. Oct. 10th – went to the MESTA annual conference in Okemos
 - a. Presented the Hydraulic fracturing model in a submitted talk
 - b. Discussed the MGRRE Online Portal with Beth Christiansen (Education Consultant and former IODP expedition Education and Outreach Officer)
 - c. Discussed the Central Michigan Lapidary and Mineral show with several representatives from their group – discussed logistics for the upcoming event.
 - d. Discussed the possibility of CoreKids have a booth at the MESTA-sponsored Evening of Science at U of M Museum of Natural History with Ardis Herrold (Grosse Pointe North High School) – I tentatively agreed to help out.
 - e. Discussed possibility of CoreKids school visits or MGRRE tours with multiple teachers.
 - f. Discussed the possibility of a presenting at Grosse Pointe North High School with Ardis Herrold for her 2015 Mineral Evening on Dec. 4th.
84. Oct. 10th – emailed Matt Linke (U of M Museum of Natural History) to discuss the possibility of a CoreKids booth at the Evening of Science event. He gave us permission to have a booth at the event.
85. Oct. 10th – I exchanged emails with Tony Boxleiter to discuss the possibility of setting up some Economic minerals activities for Ardis's event.
86. Oct. 11th – exchanged emails with Joseph Sicheneder (Old Redford Highschool) about possibility of scheduling his 12th grade Environmental Science class for a CoreKids event. I sent him information on the program and the Michigan Fossils Module.
87. Oct. 12th – exchanged emails with Joseph Sicheneder about scheduling a CoreKids event – tentatively Oct. 30.
88. Oct. 12th – exchanged emails with Beth Joy (MI Tech) and John Yellich to discuss possible collaborations with regard to fundraising.
89. Oct. 12th – identified fossils from pictures forwarded to Tom Howe. I sent back identifications and gave a general assessment of the age of the unit.
90. Oct. 12th – exchanged emails with Pamela Callaway (Metropolitan Detroit Science Teachers Association) about possibility of registering a booth at their upcoming Nov. 7th annual meeting. I forwarded the information to Jake Tholen (WMU Geology Club) – suggesting that this might be a place to sell samples.
91. Oct. 12th – exchanged emails with Suzanne Lutwick (WMU Foundation) about another possible Foundation that CoreKids and MGRRE could apply to for a grant.
92. Oct. 12th – Met with John Yellich to discuss MESTA Conference and other activities. We decided to try a fee to recoup some travel costs for school events. After January 1st, the CoreKids program will require a \$50.00 fee for traveling to a school less than 50 miles from WMU and \$100.00 fee for schools further than 50 miles.

93. Oct. 12th – discussed the fee proposal with Linda Harrison and John Yellich – we drafted a letter to post to the CoreKids website. Sent for comment to Bill and Linda Harrison, Kathy Wright and Mohamed Sultan.
94. Oct. 12th – met with Bill Mitchell (MI DEQ) – handed off a set of core pumps for his outreach event on Oct. 13th at Star elementary in Plainwell.
95. Oct. 13th – scheduled School visit at Star Elementary School by Bill Mitchell – Bill used CoreKids materials during his presentation. 38 students.
96. Oct. 13th – briefly met with Mohamed Sultan to discuss CoreKids Fundraising ideas – we discussed the fee structure specifically and I will be modifying the text of the fundraising letter to reflect some of our discussion.
 - a. I will work on the draft fee structure letter some more and recirculate it.
97. Oct. 13th – exchanged emails with Heather Petcovic and Todd Ellis about meeting to discuss Portal Proposal – tentatively scheduled for Oct. 15th.
98. Oct. 13th – exchanged emails with Bill Mitchell (MI DEQ)
 - a. Provided metrics for his visit to Star Elementary, Plainwell
 - b. Provided update on WMU Student Presentations to KGMS – Student presentations very well received
99. Oct. 13th – exchanged emails with Ann Griffin (MDSTA) about a CoreKids-WMU Geology Club booth for the annual MDSTA meeting on Nov. 7th. Exchanged emails with Jake Tholen (WMU Geology Club) about the event logistics.
100. Oct. 13th –exchanged emails with John Esch – requesting more of the Michigan beach stone handouts to give to students. John will try to send them back with John Yellich after the Oct. 14th Michigan Basin Geological Society Monthly meeting.
101. Oct. 14th – exchanged emails with Joseph Sicheneder on logistics for the Old Redford Academy CoreKids event.
102. Oct. 14th – exchanged emails with Milt Gere about logistics for the CoreKids event at the Central Michigan Mineral Show.
103. Oct. 14th – exchanged emails with Courtney Phillips about weblink addition to CoreKids page – replied that we had added the link on Sept. 3rd and I had emailed her then to confirm.
104. Oct. 14th-Oct. 16th – exchanged emails with Linda Harrison and Susan Amos (Parent Representative of a group of parents who home-school). Susan was interested in bringing her group of home-school students for a tour of both MGRRE and the Geology Dept. We have tentatively planned on a January 11th date – and limiting the tour to just MGRRE.
105. Oct. 15th – Linda Harrison forwarded me the contact information and request of Marty Goodwin about the April 2016 AAUW Tech-Savvy Conference in Gaylord, MI. Marty Goodwin is requesting hands-on activities that are geology-themed for 6th-9th grade level women to explore. I have tentatively agreed to having a booth at the event.
106. Oct. 15th – worked with Mike Broersma to schedule a CoreKids event at his school Hudsonville Christian Middle School. He requested the hydrogeology module for his students. I am working on scheduling staff – tentative dates are Nov. 23 and 24.
107. Oct. 15th – exchanged emails with Bill Harrison, John Yellich and Suzanne Lutwick about the SME Foundation – whether it is a possible source of funds for CoreKids.

108. Oct. 16th – exchanged emails with Jake Tholen (WMU Geology Club), Kathy Wright and John Yellich about a request for a groundwater model.
109. Oct. 17th – scheduled CoreKids event – booth at National Fossil Day activities at MSU Science Museum
 - a. Briefly discussed upcoming event with Ardis Herrold and Dave Chapman
 - b. Discussed fee structure with several MESTA members – to gather some feedback
 - c. Waiting on event totals from Julie Fisk (MSU Museum)
110. Oct. 18th – exchanged emails with Roger Laylin about logistics of having a display at the Central Michigan Mineral show on Oct. 25th.
111. Oct. 19th – exchanged emails with Ardis Herrold about a request for groundwater well information.
112. Oct. 19th – exchanged emails with Julie Fisk (MSU Museum) – she requested feedback for the event and provided event counts. The National Fossil Day had over 400 participants.
113. Oct. 20th – MESTA Evening at the Museum event
 - a. Provided booth with CoreKids demonstration examples, teacher freebies and information about the program
 - b. ~80 participants – MESTA members, museum volunteers etc.
 - c. Suggested to Andrea Wilson (MESTA President) and Ardis Herrold (event organizer) that I would be willing to host a similar event in the spring at MGRRE.
114. Oct. 21st – Discussed hosting MESTA at MGRRE with Bill and Linda Harrison and John Yellich. Discussed possible fundraising ideas for the event and event themes/activities.
115. Oct. 21st – Laura Cross (Air Zoo) contacted me with possible dates to help with their events.
116. Oct. 21st – sent a thank you email to Steve Wilson as part of the MGRRE thank you letters related to his donation of mineral specimens – I mentioned that the teachers really enjoyed the copies of the pamphlet he had put together on Michigan Geology and Paleontology.
117. Oct. 21st – exchanged email with Mike Broersma (Hudsonville Christian School) about logistics of event – still working on scheduling staff for the second date.
118. Oct. 22nd – registered for a joint booth with CoreKids/WMU Geology Club at the upcoming MDSTA conference.
119. Oct. 22nd – exchanged emails with Michelle Laing, Sashabaw Middle School about possibility of scheduling a corekids event.
120. Oct. 22nd – emailed Bill Cobern (Mallinson Institute) about the idea of co-hosting an event at MGRRE for MESTA similar to the MESTA Night at the Museum event.
121. Oct. 22nd – prepared 1 page summary of CoreKids activities for the Oct. 23rd Department Advisory Board Meeting. Provided copies to John Yellich.
122. Oct. 23rd – scheduled CoreKids activity – school day at Central Michigan’s 50th Annual Gem, Mineral, Fossil, Lapidary and Jewelry Show
123. Oct. 26th – exchanged emails with Heather Petcovic about Mallinson support for a MGRRE-MESTA-Mallinson joint event in the spring.

124. Oct. 26th – exchanged emails with Breanne Lejeune about the Dept. of Geosciences Newsletter's section on CoreKids – I wrote captions for the pictures she had chosen for the newsletter.
125. Oct. 27th – exchanged emails with Maureen Kaczanowski (Southwood Elementary) about logistics of the upcoming event.
126. Oct. 27th – exchanged emails with Brittany Burgess (UM Museum of Natural History) - logistics of upcoming joint event.
127. Oct. 28th – scheduled school event, Southwood Elementary School. Waiting on feedback.
128. Oct. 28th – John Yellich forwarded the AIPG MI section newsletter to me and the Harrison which had a note from the AIPG MI Section President about their donation to CoreKids – We are going to submit a thank you letter to the program.
129. Oct. 28th – exchanged emails with Roger Laylin, Milt Gere and Theresa Hubbard about metrics from the Central Michigan Mineral Show. Roger Laylin forwarded me the results from the School day – 786 students and 51 adult chaperones came to the program (837 total participants).
130. Oct. 28th – exchanged emails with Ruth Gullekson about scheduling a CoreKids event at her school (Stanwood Middle School, Morley, MI) – I suggested that I might be able to fit her group in the second week of December.
131. Oct. 28th – exchanged emails with Bill Mitchell (DEQ and KGMS) – I sent him a thank you note for retrieving the Stratigraphic display that was left on display through the entirety of the Central Michigan Mineral Show.
132. Oct. 28th – Met with Steve Wilson, and Bill and Linda Harrison. We thanked Steve for the donation of materials to the Department, MGRRE, CoreKids and the WMU Geology Club. We showed him the displays that Bill put together with some of the prime mineral specimens from the Wilson collection. I discussed the materials already used by the CoreKids program.
133. Oct. 28th – sent email to Jake Tholen – asking him which Geology Club students are going with me to MDSTA to man the booth.
134. Oct. 28th – exchanged emails with Steve Barone – he requested a letter of recommendation for a position at the Arizona Historical Society. I told him, I would update the letter, I had written previously for him.
135. Oct. 29th – exchanged emails with Ruth Gullekson about scheduling a CoreKids event at her school – tentatively scheduled for Dec. 7th.
136. Oct. 29th – discussed the MESTA-MGRRE Open House with Al Kehew and Robb Gillespie – they might contribute field trips depending on the timing of the event.
137. Oct. 29th – finished letter of recommendation for Steve Barone – sent it to him for any edits.
138. Oct. 29th – exchanged emails with Andrea Wilson and Ardis Herrold about the MESTA-MGRRE Open House – some discussion of stakeholders and getting the communication started about planning the event.
139. Oct. 30th – exchanged emails with Maureen Kaczanowski (Southwood Elementary) about feedback from our scheduled event earlier in the week.

140. Oct. 30th – Scheduled MGRRE Tour – Bill Harrison and Voice led tour of MGRRE for the CMU Petroleum Geology Class. 1 faculty member and 8 students.
141. Oct. 30th – Scheduled School Visit. Old Redford Academy. Waiting on Evaluation forms.
142. Oct. 30th – exchanged emails with Julie Fick. Julie is working with the MI Dept. of Education to develop an informal network of Science Educators. She sent a survey about meeting to discuss joint issues. I forwarded the survey to Andrea Bair (Delta College), Heather Petcovic (Mallinson/Geosciences WMU), Lisa Anderson (Illinois Geological Survey/MSU Extension Office), and Laura Cross (Kalamazoo Air Zoo). I also sent Julie some information about the GO-MPS initiative through North Central GSA.
143. Nov. 1st – received feedback in email form from Joseph Sicheneder (Old Redford Academy) about the Oct. 30th event.
144. Nov. 2nd – exchanged emails with Jake Tholen and Kathy Wright about the MDSTA booth, travel authorizations and volunteers.
145. Nov. 3rd – exchanged emails with Andrea Williams (MESTA President) about the MGRRE workshop idea. Discussed possibility of field trips.
146. Nov. 3rd – registered CoreKids for the Jan. 16th Career Cruising – MLK Middle School Program on Campus. Exchanged emails with Mohamed Sultan, Tom Howe, Kathy Wright and Breanne Lejeune about the event.
147. Nov. 3rd – exchanged emails with Michelle Laing (Clarkston Middle School) – I am holding off on scheduling CoreKids events for her school, until I know my students' schedules for the spring semester.
148. Nov. 4th – worked with Bill Harrison to inventory the Wayne State University Core Repository – they are donating the collection to MGRRE. While working with the Dave Nuys (dept. chair), Bill and I briefly discussed the CoreKids program and its impact in the greater Detroit area.
149. Nov. 4th – Dawn Caldwell informed me that the blacklight for our fluorescence display was missing. I ordered three new ones as back-up, after she found the old one.
150. Nov. 4th – received feedback form from Old Redford Academy Event. Total Count was 140 students.
151. Nov. 5th – exchanged emails with Suzanne Lutwick (WMU Foundation) – she is working on setting up a meeting between CoreKids and the Science Education Group at Consumers Energy. Her earlier meeting was positive and we are now providing Consumers with information about the program.
152. Nov. 5th – discussed CoreKids space issues with Mohamed Sultan, Kathy Wright and Tom Howe. We are considering moving the equipment to Rood Hall in order to accommodate more rock storage at MGRRE.
153. Nov. 5th – exchanged emails with Laura Cross about a Dec. 30th event. She will start working on the logistics of the event.
154. Nov. 5th – sent email to WMU Geology Club about logistics of tomorrow's event – stated that I was a bit worried because I had not heard from either student who volunteered to help.
155. Nov. 5th – sent email to DeEtta Crane (Greater Heights Academy) about the scheduled CoreKids event today – she had requested the Dept.'s fax number.

156. Nov. 5th – updated the CoreKids brochures for distribution at MDSTA.
157. Nov. 5th – discussed an update to the CoreKids webpage with Breanne Lejeune – we discussed having my contact information and the types of information I need to better assist teachers when planning on new events. We also discussed adding the new fees letter to the website.
158. Nov. 5th – after discussing with Dawn Caldwell, I decided I would help her with the Nov. 24th CoreKids event. I then emailed Mike Broersma to confirm that we will be able to do the two dates as confirmed.
159. Nov. 5th – exchanged emails with Ruth Gullekson – told her that I was still working on scheduling students to come visit her class.
160. Nov. 5th – exchanged emails with Lisa Anderson (MSU Extension Office) – she confirmed her new email address and we discussed a few future possible joint options.
161. Nov. 5th – exchanged emails with Kathy Wright – asking her to order new business cards for me (Dept./MGRRE/CoreKids).
162. Nov. 6th – briefly discussed CoreKids space issues with Tom Howe and Mohamed Sultan (Dept. Geosciences).
163. Nov. 6th – scheduled CoreKids event – Greater Heights Academy (Flint, MI) – Michigan Geologic History Module for 4-6 grades. 95 students and 4 teachers.
164. Nov. 6th – exchanged emails with Suzanne Lutwick – she is working on setting up a meeting between CoreKids and Consumers Energy Foundation. I sent her copies of our annual reports to forward to Consumers Energy Foundation.
165. Nov 6th – exchanged emails with Lisa Anderson (MSU extension Outreach) – touching base with her new position.
166. Nov. 6th – exchanged emails with Kathy Wright – she will order new business cards for me for the outreach program.
167. Nov. 6th – exchanged emails with DeEtta Crane (Greater Heights Academy) – she provided feedback on the recent event at Greater Heights Academy.
168. Nov. 7th – scheduled event – booth at Metropolitan Detroit Science Teachers Association Meeting.
 - a. The Geology club raised \$150-\$160 dollars (not quite sure on the exact amount); plus had interest from 7 schools with regard to the groundwater models.
 - b. The MESTA president (with active lobbying support from 2 past-presidents) is willing to write a letter of support for CoreKids for fundraising purposes
 - c. I talked to several teachers (and one faculty member from Sci. Ed. from Wayne State) who expressed interest in the MGRRE Portal.
 - d. There was a lot of interest in CoreKids - there were several hundred teachers there.
 - e. Briefly discussed the MESTA Open House idea with Todd Ellis.
 - f. Briefly discussed tentatively scheduled Grosse Pointe North Event with Ardis Herrold – she will contact me in the near future with logistics details.

169. Nov. 7th – exchanged emails/conversations with Linda and Bill Harrison, John Yellich and Heather Petcovic about the MDSTA meeting.
170. Nov. 9th – exchanged emails and conversations with Breanne Lejeune about updating the contact page for the CoreKids program. We are still looking at solutions to make the necessary updates.
171. Nov. 10th – 13th – exchanged multiple emails with Zara Acasta-Chen (Kalamazoo Country Day School) about scheduling a corekids event at MGRRE for her 6th grade class. Tentatively scheduled for Dec. 9th.
172. Nov. 11th – Ann Gilchrist reached out to me to request that I serve as a reference for her – I told her that I would be glad to do so.
173. Nov. 11th – Dawn Caldwell forwarded her CoreKids files to me (and to the other student educators) – Dawn wanted to make sure that any materials she generated were archived with the CoreKids program before she graduates.
174. Nov. 12th – scheduled CoreKids event, Marshall Middle School. Waiting on feedback data and count.
175. Nov. 12th – briefly discussed CoreKids program with Wayne Goodman at the PTTC Workshop. He was helping to facilitate an event tentatively planned for the spring that his wife was organizing.
176. Nov. 12th – received a case of Michigan Beach Stone handouts from John Esch to use in the outreach program. Also discussed possible collaborations between CoreKids and MBGS.
177. Nov. 13th – discussed outreach program at the Harris Nature Center with Bill Harrison.
178. Nov. 13th – scheduled CoreKids event, Marshall Middle School. Waiting on feedback data and count.
179. Nov. 13th – met with Bill and Linda Harrison, John Yellich and Mohamed Sultan to discuss MGRRE space issues as well as dedicated space for CoreKids.
180. Nov. 13th – exchanged emails with Mike Broersma about the logistics for the upcoming event at Hudsonville Christian School

Current Totals (July 1, 2015 and on)

Projected Totals of Upcoming Events

School events	277
Kalamazoo Air Zoo	25
Big Rapids Rock and Minerals Club	20
WMU Hydrogeology Field Camp	28
Branch Co. Library Program	70
Cranbrook Institute of Science Rouge River Festival	80
National Fossil Day, MSU Science Museum	400
MESTA Night at the Museum and MESTA Annual Conference (approximate values	130
Central Michigan Mineral Show	837
CMU Class	9
<u>Total Actual:</u>	1,876
<u>Total Projected:</u>	
<u>Total Projected + Actual</u>	<u>1,876</u>

Past outreach events July 1, 2015 and on

- i. July 9th – Kalamazoo Air Zoo – Campus visit
- ii. July 23rd – Branch Co Library events
- iii. August 6th – Presentation to the Big Rapids Rocks and Minerals Club
- iv. Sept. 18th – Rouge River Festival, Cranbrook Institute of Science
- v. Sept. 19th – Booth at WMU Department of Geosciences 50th anniversary event
- vi. Oct. 2nd – Kalamazoo Reformed Heritage Christian School – MGRRE Tour and Michigan Geologic History Module
- vii. Oct. 10th – MESTA Annual Conference
- viii. Oct. 13th Star Elementary, Plainwell – Bill Mitchell Borrowed Core Pumps
- ix. Oct. 17th – National Fossil Day Event at MSU Museum
- x. Oct. 20th – MESTA Evening of Science, U of M Museum of Natural History
- xi. Oct. 23rd – Central Michigan Lapidary and Mineral Society Annual Show
- xii. Oct. 28th – Kentwood Public Schools – MI Fossils.
- xiii. Oct. 30th – Old Redford Academy High School– Mi Geol. History Module
- xiv. Oct. 30th – MGRRE Tour, CMU Petroleum Geology Class

- xv. Nov. 6th – Greater Heights Academy – Michigan Geol. History Module
- xvi. Nov. 7th – MDSTA Annual Conference

Upcoming Events

- xvii. Nov. 12th – Marshall Upper Elementary School – Mi Geol. History Module.
- xviii. Nov. 13th – Marshall Upper Elementary School – Mi Geol. History Module.
- xix. Nov. 17th – Handy Middle School – MI. Geol. History Module.
- xx. Nov. 18th – U of M Museum of Natural History
- xxi. Nov. 19th – Handy Middle School – MI. Geol. History Module.
- xxii. Dec. 1st – Western Middle School visit – Mi Geol. History Module
- xxiii. Dec. 4th – tentatively scheduled event, Grosse Pointe North High School – Economic Minerals.
- xxiv. Dec. 7th – Stanwood Middle School – MI Geol. History Module
- xxv. Dec. 30th – Kalamazoo Air Zoo Joint Event
- xxvi. Jan. 11th – Home School Group tour of MGRRE (Susan Amos – contact)
- xxvii. Jan. 16th – Career Cruising Day – MLK event on Campus
- xxviii. April 30th – AAUW Tech Savvy Conference – booth at conference