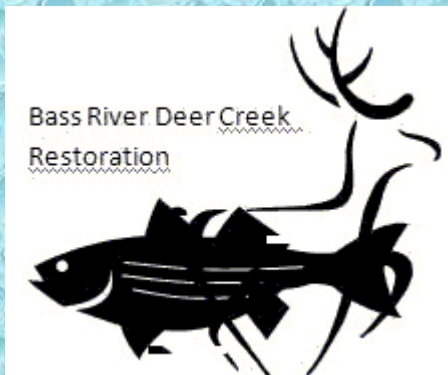


Bass River Deer Creek Restoration

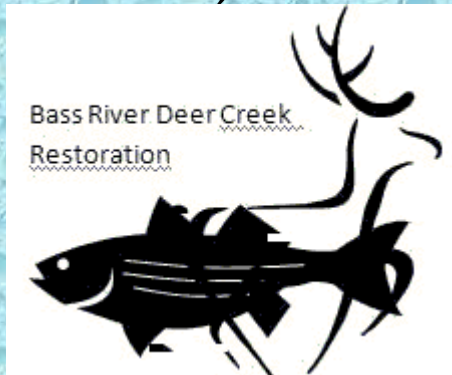
Ottawa County Water Quality Forum
Monday, November 25, 2013

Becky Huttenga
Ottawa Conservation District



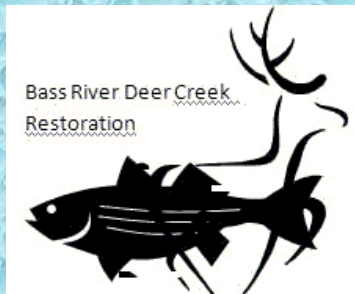
WHO?

- The Ottawa Conservation District (grantee) and partners including Ottawa County Health Dept & GIS Dept, Annis Water Resources Institute (GVSU), Grand Valley Metro Council, Environmental Canine Services and 8 local units of government.
- Steering Committee Members
- Under the leadership of Paul Seckora, Watershed Project Coordinator



WHAT?

- Grant funding available from the federal government via the **Clean Water Act Section 319(h)**, fondly known as simply “319 grants”
- 319 grants are administered by the Michigan Department of Environmental Quality
- Up to \$3 million available, minimum request is \$25,000

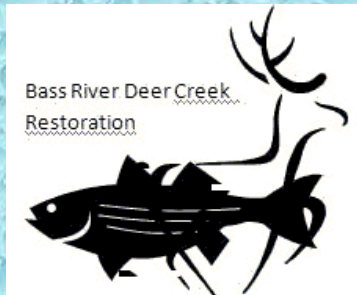


Environmental Tip of the Day

You can reduce polluted storm water runoff -- simply pick up your pet's waste; don't leave it to wash away after a rain.

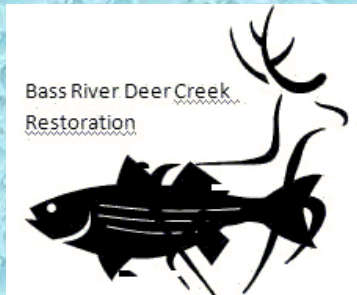
WHEN?

- Grant awards were announced in July 2013
- Grant work *officially* began November 1, 2013
- Project is planned for a 2 year duration, but can extend 1 year if needed.

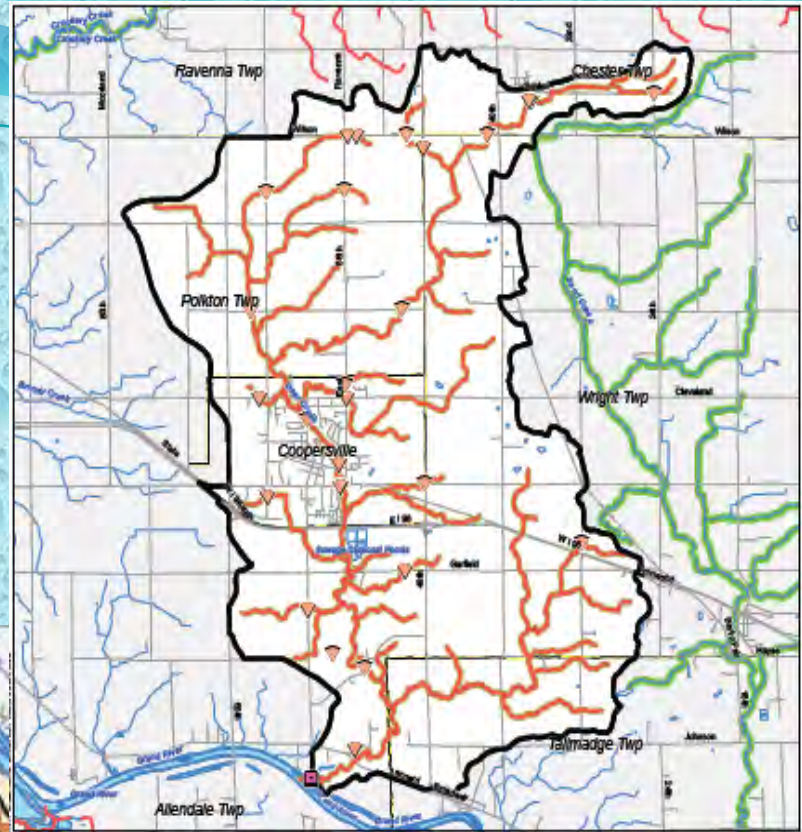


WHERE?

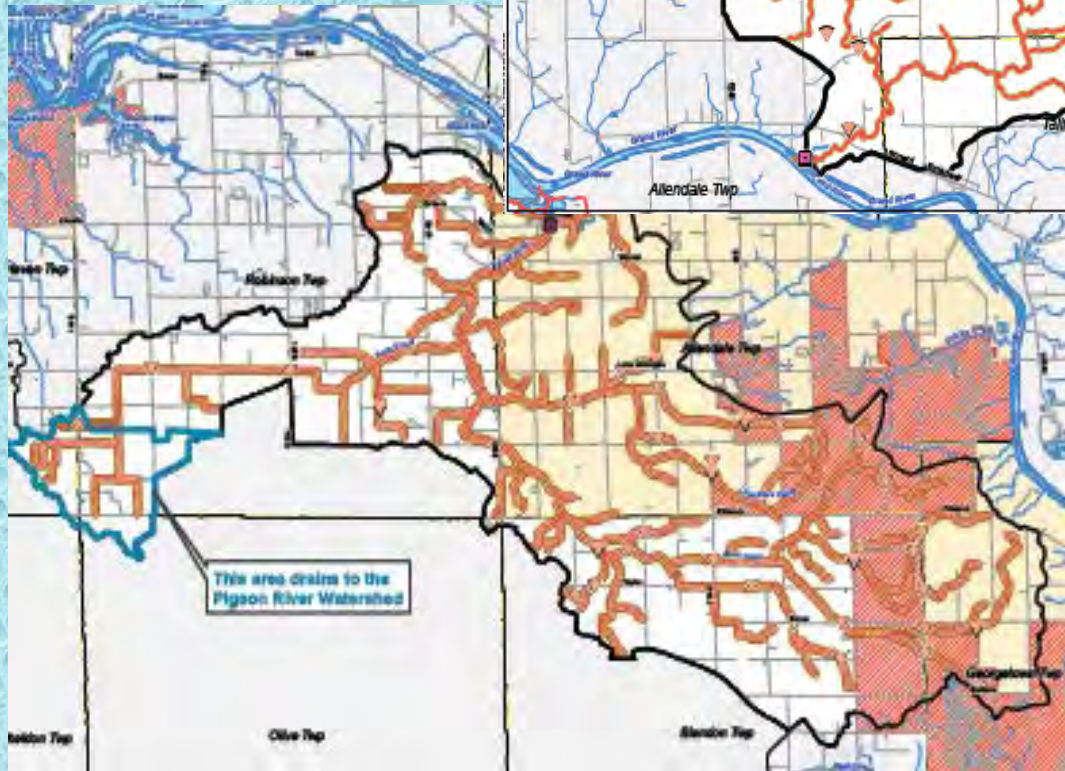
- Bass River and Deer Creek watersheds
- Both are subwatersheds of the Lower Grand River Watershed (has approved Watershed Management Plan)
- Both are located in Ottawa County
- Total acreage of 54,394 used predominantly for agriculture



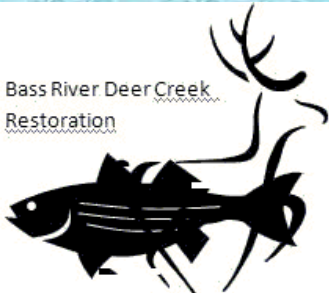
Deer Creek



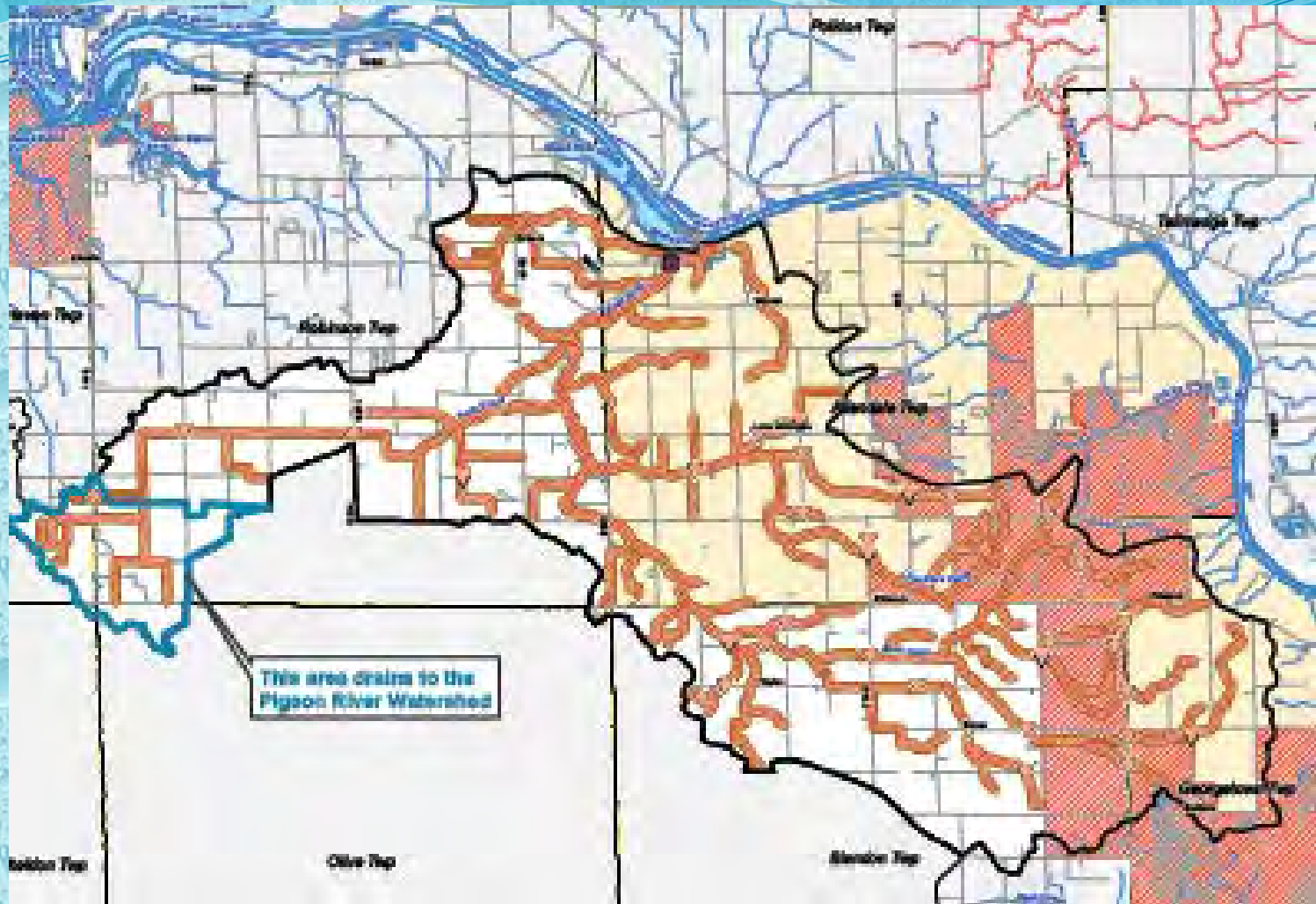
Bass River



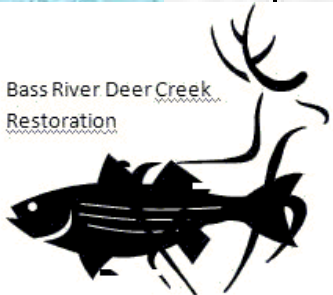
Bass River Deer Creek
Restoration



Bass River



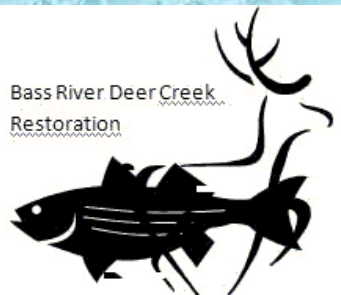
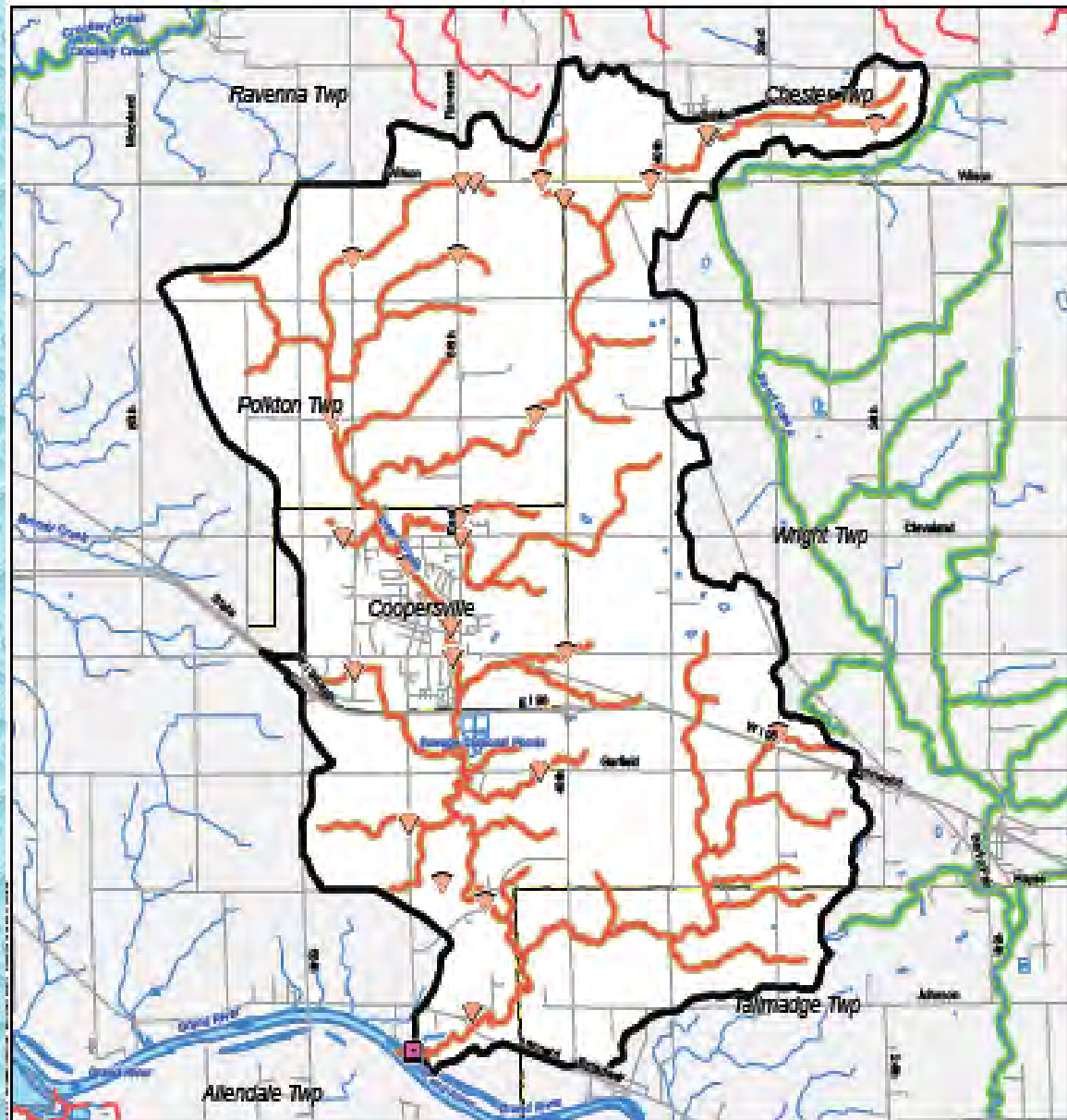
Bass River Deer Creek
Restoration



- 2005 TMDL for E. coli
- 2005 TMDL for biota
- Monitoring requested for 2014
- 79% agricultural land

Deer Creek

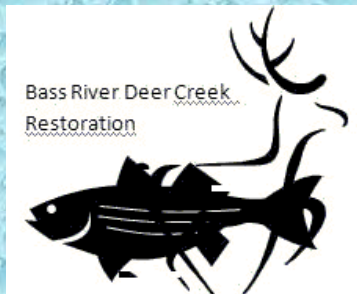
- 2012 TMDL for E. coli
- Approx 840 housing units with OSDS in TMDL area
- 63% agricultural land



WHY?

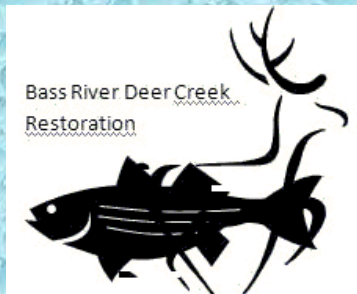


- Poop in our water is gross
- FY13 – both watersheds elevated to ‘Tier 1’ priority
- It’s what we do!



HOW?

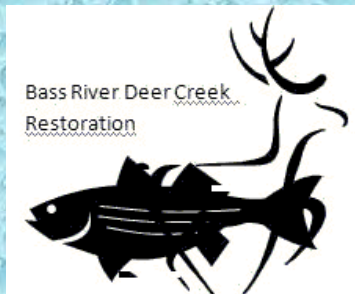
- Objective 1: identify and remediate failing/poorly functioning on site sewage disposal systems through ordinances and cost share
- Objective 2: enroll agricultural producers in Farm Bill programs that address E. coli impairment
- Project Goal: meet Water Quality Standards for E. coli (130 E. coli per 100ml as a 30 d geometric mean, or 300 E. coli per 100 ml as a daily maximum) in both watersheds



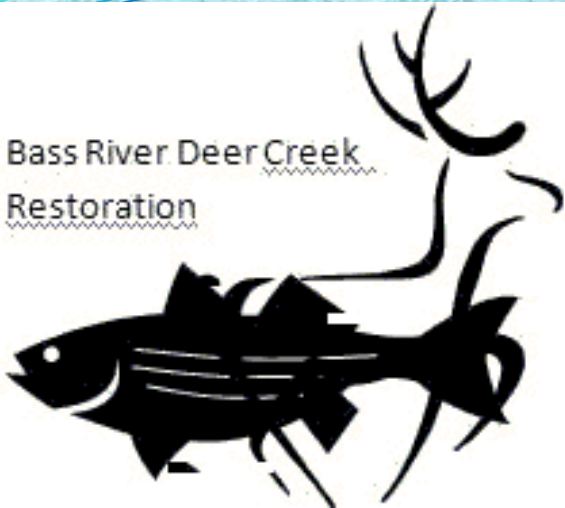
AND HOW MUCH?

Grant Requested Funds:	\$132,904
Matching Local Funds*:	\$45,925
Total Budget for 2 yr Project:	\$178,829

*Matching funds providers in descending order include but are not limited to: Ottawa Conservation District, Steering Committee Members, Ottawa County GIS Dept, Grand Valley Metro Council, Annis Water Resources Inst., and Ottawa County Health Dept.



Bass River Deer Creek
Restoration



CHANGING GEARS





Michigan Agriculture Environmental Assurance Program



MAEAP in 2013

- 👤 7 new Verifications - Farmstead, Cropping and Livestock
- 👤 25 Reverifications – Farmstead, Cropping and Livestock
- 👤 Result of outreach events and cooperation with partners – “MAEAP Minute” on MFRN; Pasture Tour at Voogt Farms; Past, Present and Future Bus Tour

MAEAP 2013 Statewide Fun Facts

💩 230,234 acres included in a nutrient management plan

💩 69,967 feet of livestock exclusion

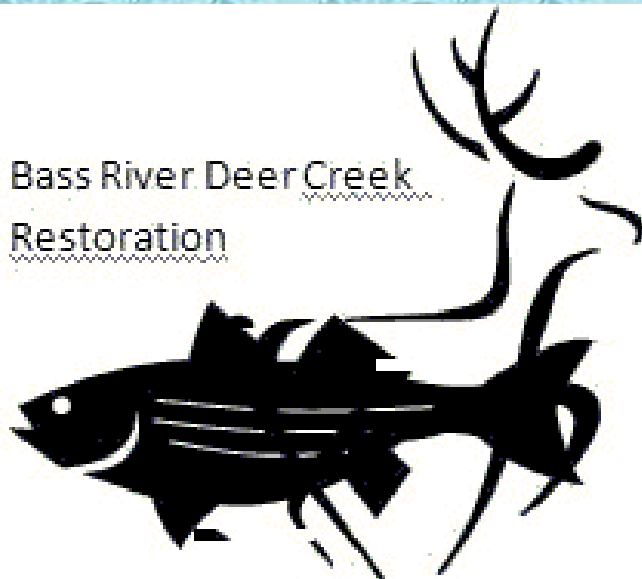
💩 13,000 acres of filter strips installed

💩 8 new technicians and 2 new verifiers added to staff

Questions?

Comments?

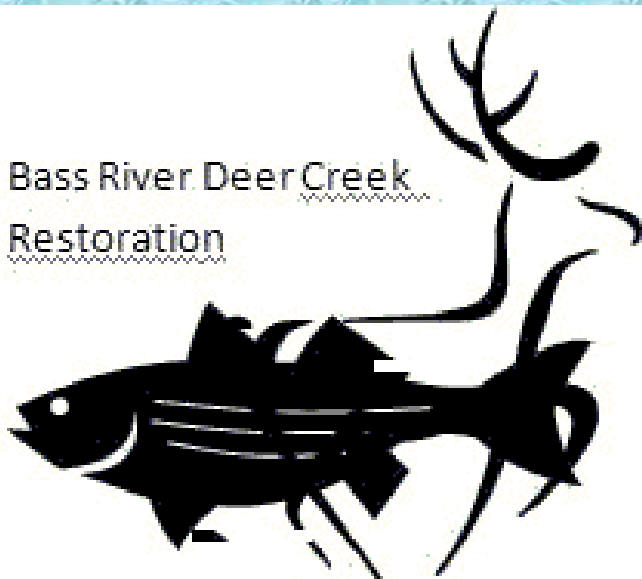
Bass River Deer Creek
Restoration



THANK YOU!



Bass River Deer Creek
Restoration



*Happy
Thanksgiving!*