MDEQ Update
CEW 2016

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Transportation and Flood Hazard Unit
MiWaters

- Send direct email copy
- Consultants - own account
Your Application

- Send info ahead of time - map, plans, pics
- Request flood flows
- Include all sites for coming year
- Current/finished projects

### Tuscola County Road Commission Structure Work

<table>
<thead>
<tr>
<th>TCRC #</th>
<th>Location</th>
<th>Drain</th>
<th>Proposed Work</th>
<th>TWP</th>
<th>Year</th>
<th>DEQ Permit Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>2363</td>
<td>Deckerville 35' E Unionville</td>
<td>Shafer</td>
<td>Structure Design &amp; Replacement</td>
<td>Almer</td>
<td>unk</td>
<td>To Be Deter.</td>
</tr>
<tr>
<td>2013</td>
<td>Dutcher 0.15 W Graf</td>
<td>Wiscoggin</td>
<td>Design for Replacement</td>
<td>Almer</td>
<td>1972</td>
<td>Need</td>
</tr>
<tr>
<td>2355</td>
<td>Graf 0.15 N of Darbee</td>
<td>Romain</td>
<td>Structure Replacement</td>
<td>Almer</td>
<td>1920E</td>
<td>Need</td>
</tr>
<tr>
<td>2294</td>
<td>Barnes b/w Reese and Lewis</td>
<td>Dead Creek</td>
<td>Design for Replacement</td>
<td>Arabela</td>
<td>1925E</td>
<td>To Be Deter.</td>
</tr>
<tr>
<td>2366</td>
<td>Brewer 0.4 mile E of Bray</td>
<td>Calkins</td>
<td>Structure Design &amp; Replacement</td>
<td>Arabela</td>
<td>1971</td>
<td>Need</td>
</tr>
<tr>
<td>2358</td>
<td>Sheridan 0.3 N of Fairgrove</td>
<td>Bills-Rohlfis</td>
<td>Structure Replacement</td>
<td>Fairgrove</td>
<td>1973</td>
<td>Need</td>
</tr>
<tr>
<td>2357</td>
<td>Riley W. of Pierce</td>
<td>Applegate</td>
<td>Structure Replacement</td>
<td>Indianfield</td>
<td>1920E</td>
<td>Need</td>
</tr>
<tr>
<td>2075</td>
<td>Legg Road E of Kingston</td>
<td>White Crk Drain #2</td>
<td>Fed Aid Bridge Replacement</td>
<td>Kingston</td>
<td>2015</td>
<td>1/15/2015</td>
</tr>
</tbody>
</table>
Identify bankfull at a straight stretch of stream.
County Drain Projects

- If CRC does work - need DEQ permit
- If larger drain project - no
Wetland Impacts

- No mitigation if < 1/10 acre
Mitigation Requirements

• < 0.1 acres- no mitigation required.

• 0.1 to 0.33 acres- mitigation required at a 1 to 1 ratio, any kind any where.

• >= 0.33 acres and over 1 acre per project, standard ratios apply, usually 1.5 to 1 ratio.
Mitigation

Find a site now
Mitigation

- Old pit
- Existing wetland owned property
- Common site with other CRC’s

Don’t let this delay a big project
Perched Culverts

- Com’tee - flow chart
- Lower all the way
- Or use grade control
Grade Control
Waterfront Road Ends

Manage your road ends
Waterfront Road Ends

- Inventory
- Rate them
- Annual maintenance
- Document
- RSX’s too
NLE Bat

- No restrictions unless \( \frac{1}{4} \) mile of hibernacula or known roost
- Indiana Bat - still has restrictions
Golden Bridge Award
Golden Bridge

Emmet

Crawford
Golden Culvert

Wexford

Isabella
Questions ?