Dear partners and stakeholders:

On behalf of the FishPass team, I am pleased to provide to you our November FishPass update. Please distribute the update as you see fit.

**Community Engagement:**
- 4 November. The FishPass team participated in a round table session with Northwestern Michigan College Freshwater Studies to help students gain exposure to freshwater courses, programs, internships, career advice, and job opportunities.
- 18 November. The FishPass team provided a project update to the Traverse City Commission.
- 30 November. The FishPass team prepared responses to all remaining and clarified questions generated during the Oct. 15 and Oct. 30th events hosted by the Traverse City Downtown Development Authority and Lower Boardman River Leadership Team. The document with full responses to all 208 questions is available on the FishPass website.

**Engineering Design Update:**
- 27 November. The U.S. Army Corps of Engineers issued a public notice as required for the project application for a permit under Section 10 of the Rivers and Harbors Act of 1989 and Section 404 of the Clean Water Act. The public notice and instructions to submit a comment are available on the USACE website. Note, the public notice and comment session required for the Joint Permit Application issued by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) was held on Feb. 12, 2019.

**Assessment:**
- One electrofishing survey was conducted by the Michigan Department of Natural Resources (MIDNR), Grand Traverse Band of Chippewa and Ottawa Indians (GTB), and Great Lakes Fishery Commission (GLFC) in the Lower Boardman River in November. This survey was one of four planned quarterly surveys used as an index of relative abundance and to tag fish for ongoing fish movement research in the Lower Boardman River.

**Summary of telemetry tags implanted in November to study fish movement.**

<table>
<thead>
<tr>
<th>Species</th>
<th>PIT</th>
<th>Radio</th>
<th>Average Total Length (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown trout</td>
<td>6</td>
<td>4</td>
<td>15.1</td>
</tr>
<tr>
<td>Lake Trout</td>
<td>12</td>
<td>0</td>
<td>28.8</td>
</tr>
<tr>
<td>Northern pike</td>
<td>1</td>
<td>0</td>
<td>26.9</td>
</tr>
<tr>
<td>Rainbow trout</td>
<td>24</td>
<td>1</td>
<td>26.4</td>
</tr>
<tr>
<td>Walleye</td>
<td>1</td>
<td>0</td>
<td>17.9</td>
</tr>
</tbody>
</table>

- The tagging efforts in November bring the project to a total of 448 fish tagged with Passive Integrated Transponder (PIT) tags and 95 with Radio Telemetry tags.

**Summary of index electrofishing results.**
### In the News:


### Upcoming Events:

- 07 January 2020 - City officials will host a pair of open houses during which the public can interact with the FishPass team. The sessions will be from 10 a.m. to 12 p.m. and from 5 to 7 p.m. on Tuesday, Jan. 7, at the Governmental Center, 400 Boardman Ave., Traverse City.

Andrew Muir, PhD.
Science Director
Great Lakes Fishery Commission

**2200 Commonwealth Blvd., Suite 100 (New address)**
Ann Arbor, Michigan 48105  USA
Ph. 734.669.3016

[Google Scholar Profile](#)
[Research Gate Profile](#)