

SCHEDULE-AT-A-GLANCE

First Biennial PA TIC Summit



THURSDAY | 18 July 2019 | 7:30am - 5:00pm
PaTTAN | 6340 Flank Drive, Harrisburg, PA

7:30am - 9:00am	Registration opens at 7:30am. Vendor displays and exhibitors open at 8am.		
9:00am - 9:15am	Welcome - Special welcome address by National Trout Unlimited, PA Fish & Boat Commission, and PA Department of Education.		
9:15am - 9:45am	All About Trout - TU partners and state agency staff present on coldwater resources, trout, and their importance to healthy communities – humans included!		
10:00am-10:50am <i>Concurrent Session 1</i>	A Room TBD Is TIC a Meaningful Watershed Educational Experience (MWEE)?	B Room TBD Connecting the Dots: Tying TIC to STEM Education	C Room TBD Diving Deeper into Aquatic Macroinvertebrate Education
11:15am - 12:00pm <i>Concurrent Session 2</i>	A Room TBD Is TIC a Meaningful Watershed Educational Experience (MWEE)?	B Room TBD Connecting the Dots: Tying TIC to STEM Education	C Room TBD Diving Deeper into Aquatic Macroinvertebrate Education
12:00pm - 1:15pm	LUNCH The State of PA TIC - PA Fish & Boat Commission Executive Director Tim Schaeffer Keynote Speaker - Trout Unlimited President and CEO Chris Wood		
1:25pm - 2:15pm <i>Concurrent Session 3</i>	D Room TBD TIC Panel Discussion	E Room TBD Using Free Web Tools to Help Your Students Understand Trout Habitat	F Room TBD TIC and Coldwater Projects: Taking the Next Step
2:25pm - 3:15pm <i>Concurrent Session 4</i>	D Room TBD TIC Panel Discussion	E Room TBD Using Free Web Tools to Help Your Students Understand Trout Habitat	F Room TBD TIC and Coldwater Projects: Taking the Next Step
3:30pm - 4:30pm	Networking and Break-Out Sessions by Region		
4:30pm - 5:00pm	Exhibits and Displays		

***NOTE:** Concurrent sessions run for 50 minutes and repeat in same location during Sessions 1/2 and Sessions 3/4. Participants should attend a NEW concurrent session during each block of time.



pennsylvania
FISH & BOAT COMMISSION



pennsylvania
DEPARTMENT OF EDUCATION



SESSION DESCRIPTIONS

2019 PA TIC Summit: Concurrent Session 1

10:00am - 10:50am

Option A | Is Trout in the Classroom a Meaningful Watershed Educational Experience (MWEE)? | Jennifer Fetter, Watershed Resources Extension Educator at Penn State Extension and Carissa Longo, Environmental Education Program Coordinator at DNCR-PA State Parks | Room TBD

Trout in the Classroom (TIC) is a long-running and successful program that enhances student learning. How does the Meaningful Watershed Education Experience (MWEE) framework fit into your TIC program? Come learn about the basics of MWEEs and why they are important to Pennsylvania students and teachers. Through issue definition, investigations, field work, and service learning – you can take your TIC program to the next level, and open the door to potential new funding sources and collaborations.

Option B | Connecting the Dots: Tying TIC to STEM Education | Tamara Pepper, Environment and Ecology Content Advisor at the PA Department of Education (PDE) and Judd Pittman, STEM Advisor at the PDE | Room TBD

Discover how TIC connects students to literacy in science, technology, engineering and mathematics (STEM) while also sparking an innovative spirit that helps prepare them for postsecondary options. Dive in to how TIC is another great way to meet PA's Common Core Standards by connecting youth to tangible learning opportunities.

Option C | Diving Deeper into Aquatic Macroinvertebrate Education | Tara Muenz, Assistant Director of Education at Stroud Water Research Center | Room TBD

In this hands-on tour of education resources for aquatic benthic macroinvertebrates, learn new ways that teachers, citizen scientists and non-formal educators alike can connect these creeping, crawling trout snacks to water quality, aquatic food webs, and trout life cycles. Explore cutting-edge digital learning tools to grow confidence in macroinvertebrate ID, discover how the international Leaf Pack Network® can transport macros from field to classroom, and interact with preserved specimen of local critters.

2019 PA TIC Summit: Concurrent Session 2

11:00am - 11:50am

***NOTE: Concurrent sessions run for 50 minutes and repeat in same location during Sessions 1/2 and Sessions 3/4. Participants should attend a NEW concurrent session during each block of time.**

2019 PA TIC Summit: Concurrent Session 3

1:25pm - 2:15pm

Option D | TIC Panel Discussion | Room TBD

This round-table panel discussion will provide TIC participants with information regarding fish health, TIC lessons and troubleshooting, TIC sustainability and how to connect your TIC program to your community and local watersheds. Panelists include a PFBC Biologist, TIC teachers, and TIC Program Partners.

Option E | Using Free Web Tools to Help Your Students Understand Trout Habitat | James Hovan, TIC Teacher and TES-MMW Master Teacher and Kerrie Snavelly, TES-MMW Master Teacher | Room TBD

Teaching Environmental Sustainability - Model My Watershed (TES-MMW) is a free, robust, educational program and web-based GIS tool that helps students investigate watersheds, runoff, sedimentation, nutrient pollution, and stormwater management. Using powerful, real-world data sets and mathematical models, students can also simulate the water quality impacts of different land uses and conservation practices. Participants will receive an overview of the TES-MMW curricula and be given guided time to explore the app for themselves. Please bring your laptop and get ready to “model your watershed” with TES-MMW Master Teachers from Conestoga Valley High School!

**Limited number of workshop laptops available*

Option F | TIC and Coldwater Projects: Taking the Next Step | Ashley Wilmont, Program Director of the PA Council of Trout Unlimited | Room TBD

Learn from PA Council of Trout Unlimited's Program Director and a few program partners how your TIC program can get involved with the Coldwater Heritage Partnership, its grant program, and related projects across Pennsylvania!

2019 PA TIC Summit: Concurrent Session 4

2:25pm - 3:15pm

***NOTE: Concurrent sessions run for 50 minutes and repeat in same location during Sessions 1/2 and Sessions 3/4. Participants should attend a NEW concurrent session during each block of time.**



pennsylvania
FISH & BOAT COMMISSION



pennsylvania
DEPARTMENT OF EDUCATION

