



**TROUT UNLIMITED'S MISSION IS TO CONSERVE,
PROTECT AND RESTORE NORTH AMERICA'S
COLDWATER FISHERIES AND THEIR WATERSHEDS**

Trout in the Classroom

**A Gateway Activity
To Attract and Train TU Volunteers**



Traditional Vision of Trout Fishing

“Trout fishing is like Church, many attend, but few understand.”

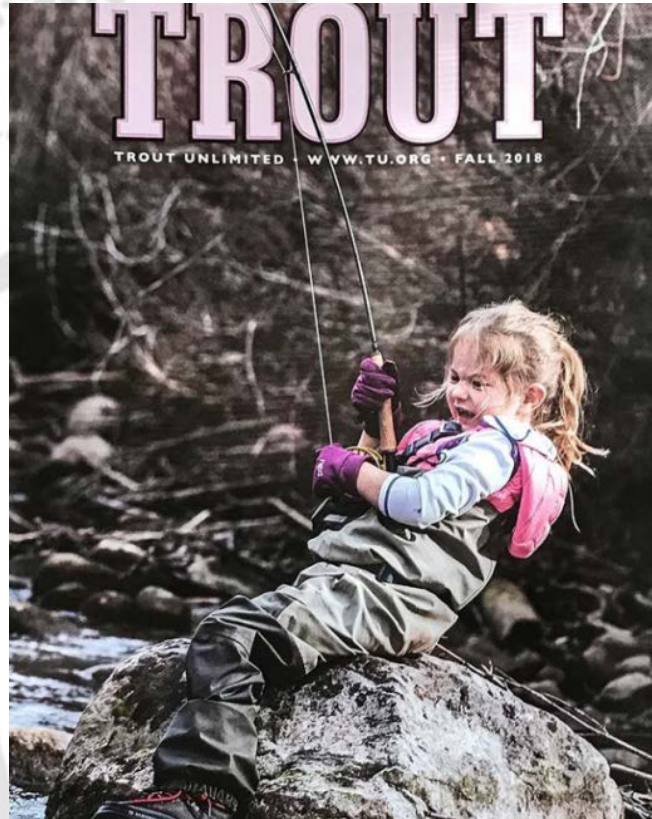


As TU leaders, our challenge is to find ways to engage more and more “traditional trout anglers” in our TU mission, particularly the many of TU members that don’t participate regularly in local chapter activities.

This presentation will explore how TU chapters can employ Trout in the Classroom as a gateway activity to attract and train new TU grassroots volunteers.



Trout Unlimited's Vision



“By the next generation, Trout Unlimited will ensure that robust populations of native and wild trout once again thrive, so that young people can enjoy healthy fishing in their home waters.”

Trout in the Classroom

TIC does a great job attracting and teaching young people.

Science

Technology

Recreation

Engineering

Art

Math



And don't forget History and Language Arts!

TIC Teaches – S for Science



TIC Teaches – T for Technology



TIC Teaches – R for Recreation



TIC Teaches – E for Engineering

Installing trout habitat structures.



TIC Teaches – A for Art



Hunter Mountain, Twilight (1866) by Sanford Robinson Gifford.

TIC Teaches – M for Math

Calculating Pollution Tolerance Values



Mayfly



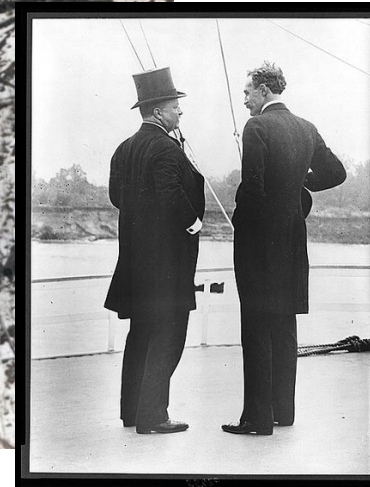
Stonefly



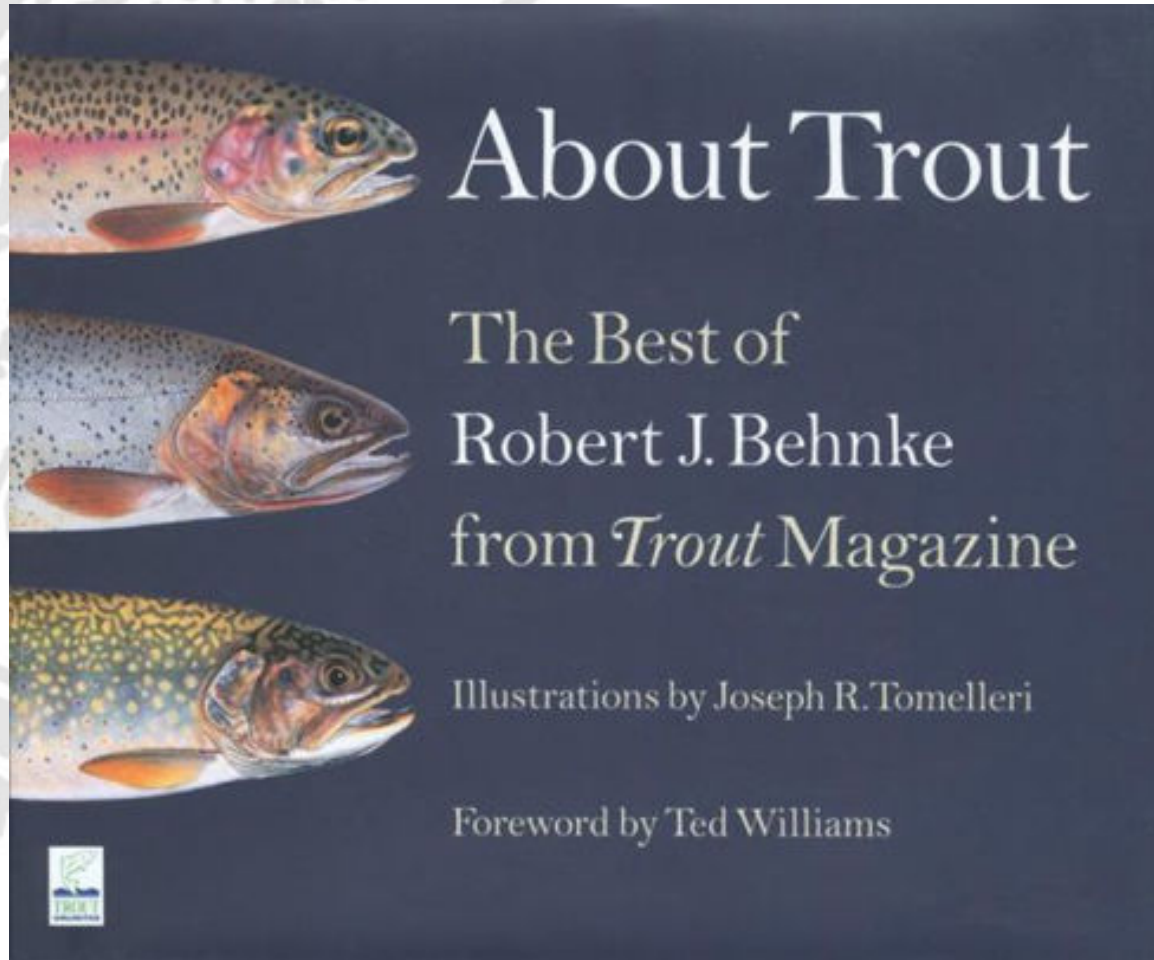
Caddis fly

Taxon	Pollution Tolerance Value
Ephemeroptera	3.6
Plecoptera	1.0
Trichoptera	4.3
Odonata	4.0
Megaloptera	3.5
Coleoptera	4.6
Diptera	5.5
Amphipoda	6.0
Isopoda	8.0
Decapoda	5.0
Oligochaeta	8.0
Hirudinea	8.0
Turbellaria	8.0
Gastropoda	7.0

And TIC Teaches – H for History



And TIC Teaches – L for Language Arts



Fish

Fish (Phylum Chordata) showed up a long, long time ago.



Ray Finned Fish

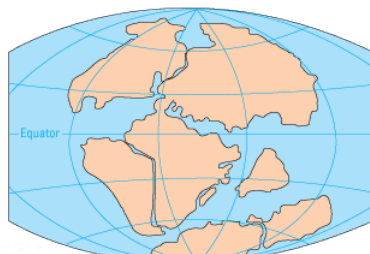
Ray Finned Fish came a long way to get here.



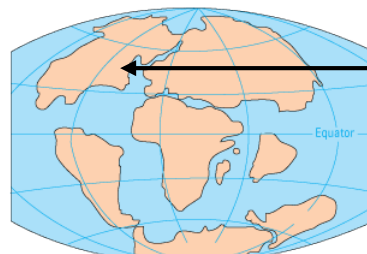
PERMIAN
225 million years ago



TRIASSIC
200 million years ago

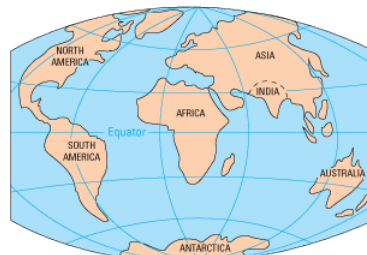


JURASSIC
150 million years ago



CRETACEOUS
65 million years ago

(Class Actinopterygii)



PRESENT DAY

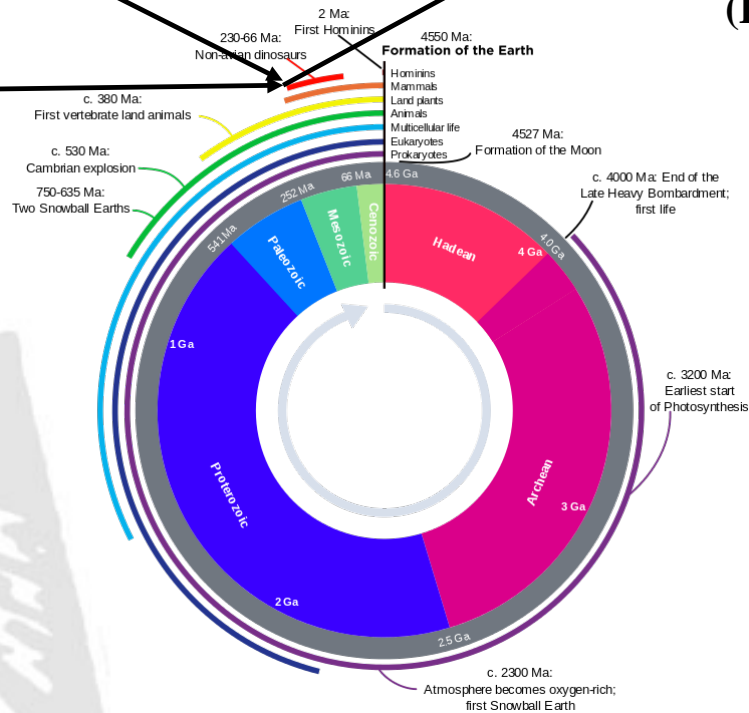


Trout

Trout showed up with T-Rex, but survived.



(Family Salmonidae)



America's Native Trout

America's native trout species evolved because of glaciers.



Oncorhynchus mykiss



Oncorhynchus clarki



Salvelinus fontinalis

Trout did not exist in the southern hemisphere, (South America) until they were stocked there by humans.



America's Wild Trout

Trout that reproduce naturally are called wild trout, native or not.



Wondering where the brown trout are? They're native to Europe, not North America.

Implementing TU Landscape-Scale Model

TIC can be a gateway activity to implementing our TU mission



Fishing for Trout in Most of Pennsylvania



Maximizing TIC Impact on TU Members

Many men fish all their lives without knowing it is not fish they are after.

Henry David Thoreau



Questions?



