



Conservation Resource
Alliance

1968-2018

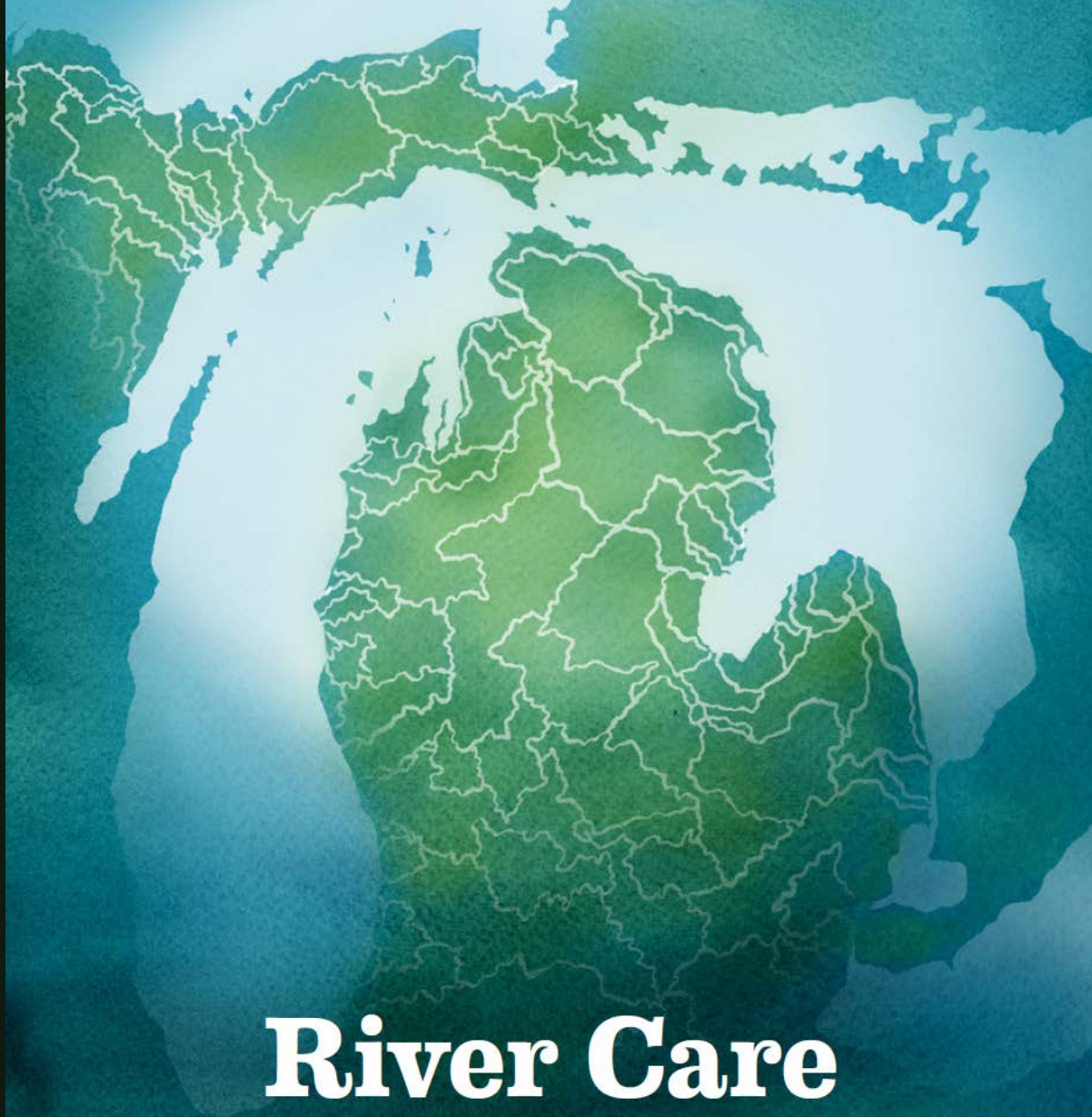
People
Money
Good Science







\$2-5 million/yr



River Care

**Restoring Stream Connectivity
and Habitat in Michigan's
Upper Great Lakes**

2019-2021 River Care™ Projects



Conservation Resource Alliance

Carp Lake River Watershed

1. Carp Lake River/Gill Rd road/stream crossing improvement
2. Carp Lake River/Munger Rd road/stream crossing improvement
3. Carp Lake River/Reed Rd road/stream crossing improvement

Maple River Watershed

4. Van Creek /Bike Trails road/stream crossing improvement
5. Cold Creek/Ely Rd road/stream crossing improvement
6. E. Branch Maple River/Douglas Lake Rd road/stream crossing improvement
7. E. Branch Maple River/Robinson Rd road/stream crossing improvement
8. Lake Kathleen/Woodland Rd/Two-Track post dam restoration & monitoring

Jordan River Watershed

9. Chestonia Bridge post-restoration streambank stabilization and instream habitat improvements
*Prioritize next improvement sites

Boyne River Watershed

- *Prioritize next improvement sites

Boardman River Watershed

10. Sabin Pond post dam restoration & monitoring
11. Boardman Pond post dam restoration & monitoring
12. Streambank stabilization and instream habitat improvement
*Boardman River streambank erosion and road/stream crossing inventory
*Boardman River Redd Survey

Platte River Watershed

13. Tributary to the North Branch of the Platte River/Skinner Rd road/stream crossing improvement
14. North Branch of the Platte River/Dymond Rd road/stream crossing improvement
15. Little Platte Lake Creek/Saffron Rd road/stream crossing improvement
16. Upper Platte River streambank erosion and instream habitat improvements
17. Kinney Creek/N. Carmean Rd road/stream crossing improvement

Bestie River Watershed

18. Mason Creek/E. Duck Lake Rd road/stream crossing improvement
19. Betsie River floodplain improvements

Manistee River Watershed

20. Soper Creek Trout Farm post-restoration & monitoring
21. Hinton Creek/5 1/2 road/stream crossing improvement
*Manistee River Tributary streambank erosion and road/stream crossing inventory

Bear Creek Watershed

22. Bear Creek streambank stabilization and instream habitat improvements

Pine River Watershed

23. Silver Creek/Pine River streambank stabilization and instream habitat improvements

Little Manistee Watershed

24. Little Manistee River streambank stabilization and instream habitat improvements
25. Syers Lake dam removal
*Little Manistee River streambank erosion inventory

Big Sable Watershed

26. Phase III Big Sable River streambank stabilization and instream habitat improvements

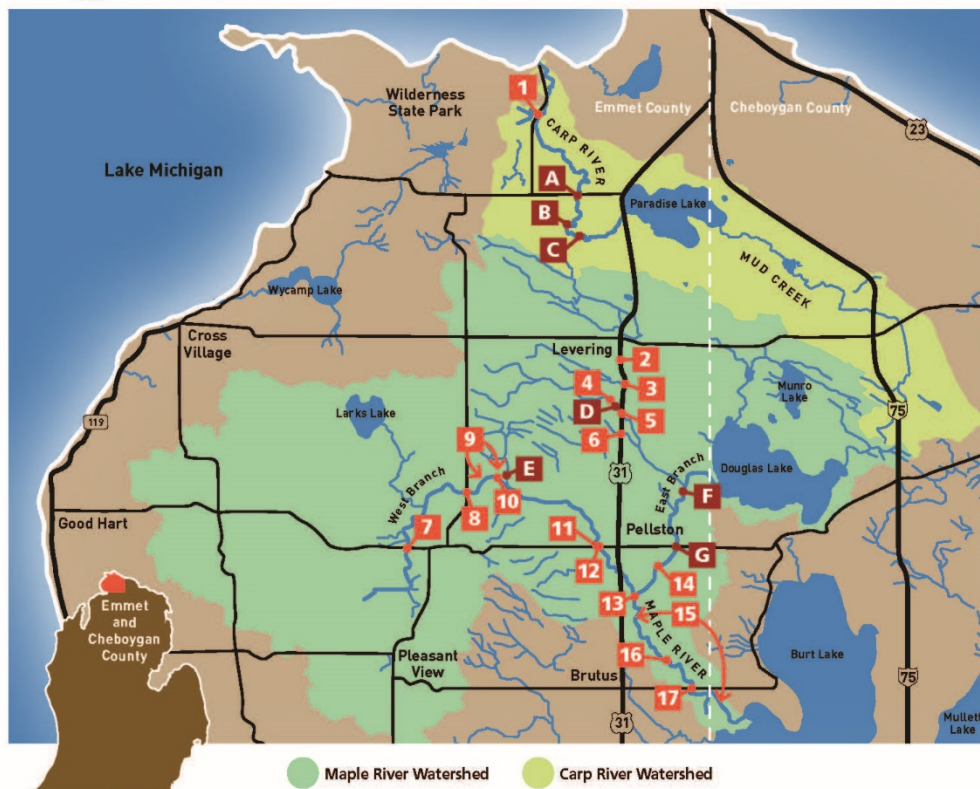
Pere Marquette Watershed

27. PM railroad streambank stabilization
28. Streambank stabilization and instream habitat improvements
29. Blood Creek/72nd road/stream crossing improvement
30. Blood Creek/Broadway St road/stream crossing improvement
31. Pere Marquette River unnamed tributary/Mac Rd road/stream crossing improvement
32. Scottville Riverside Park streambank stabilization
33. Nichols Lake fish habitat project

Lincoln River Watershed

- *Lincoln River Watershed road/stream crossing inventory





River Care™ on the Maple & Carp Lake Rivers

Completed Projects

1. Carp Lake River & Oliver Rd Timber Bridge
2. Tributary to Arnott Lake & US 31 Culvert Replacement (MDOT)
3. Tributary to Lancaster Creek & US 31 Culvert Replacement (MDOT)
4. Van Creek & Reed Rd Crossing Replacement
5. Van Creek & US 31 Culvert Replacement (MDOT)
6. Tributary to Van Creek & US 31 Culvert Replacement (MDOT)
7. West Branch & Robinson Rd Culvert Replacement and Streambank Stabilization
8. West Branch & Pleasant View Rd Timber Bridge
9. Instream Habitat – Pleasant View Rd to Ely Bridge Rd
10. West Branch & Ely Bridge Rd Timber Bridge
11. Instream Habitat
12. West Branch & Robinson Rd Timber Bridge

13. Lake Kathleen Dam Removal Maple River & Woodland Rd Timber Bridge
14. East Branch & Private Two-Track Crossing Replacement
15. Instream Habitat – Woodland Rd to State Access South of Brutus Rd
16. Maple River & Maple River Rd Culvert Replacement (Emmet Co.)
17. Maple River & Brutus Rd Timber Bridge

Future Needs

- A. Carp Lake River/Gill Rd road/stream crossing restoration
- B. Carp Lake River/Munger Rd road/stream crossing restoration
- C. Carp Lake River/Reed Rd road/stream crossing restoration
- D. Van Creek /Bike Trails road/stream crossing restoration
- E. Cold Creek/Ely Rd road/stream crossing restoration
- F. E. Branch Maple River/Douglas Lk Rd road/stream crossing restoration
- G. E. Branch Maple River /Robinson Rd road/stream crossing restoration







Dam Removal & River
Restoration

Woodland Road
Crossing

Two-Track
Crossing







Free Span the Maple



*Brook Trout on Lower Maple R. – West Branch
has the 2nd highest abundance among
Northern MI streams*

Tributary – Cheboygan River
Watershed

High Quality Coldwater System

Abundant Brook Trout

Natural Reproduction

48 Miles of Habitat Currently
Blocked by Dam

Michigan Monkey Flower (outside
project limits)

Hungerford's Crawling Water
Beetle (to be relocated)

Dam Removal Will Restore 7,000
feet of historic stream channel













Free Span the Maple

Abrams Foundation

Baiardi Family Foundation

Bay Harbor Foundation

Challenge Chapter of Trout Unlimited

The Conservation Alliance

Conservation Resource Alliance – River Care™

DTE Energy Foundation

Emmet County Road Commission

Federation of Fly Fishers & Great Lakes Council

FishAmerica Foundation

Frey Foundation

Harry A. & Margaret D. Towsley Foundation

Henry E. & Consuelo S. Wenger Foundation

The Holton Family

The James Family Charitable Foundation

Kalamazoo Valley Chapter of TU

Krenn Bridge Company

Little Traverse Bay Bands of Odawa Indians

★ Michigan DNR

Michigan Fly Fishing Club

Miller Van Winkle Chapter of TU

National Fish and Wildlife Foundation – Sustain
Our Great Lakes

Offield Family Foundation

Oleson Foundation

Patagonia

Pat & Gill Clements Foundation

Petoskey-Harbor Springs Area Community
Foundation

Scientific Anglers

U.S. Department of Agriculture – Conservation
Innovation Grant and Farm Bill RCPP

★ U.S. Fish & Wildlife Service

Thank You to our Funders!

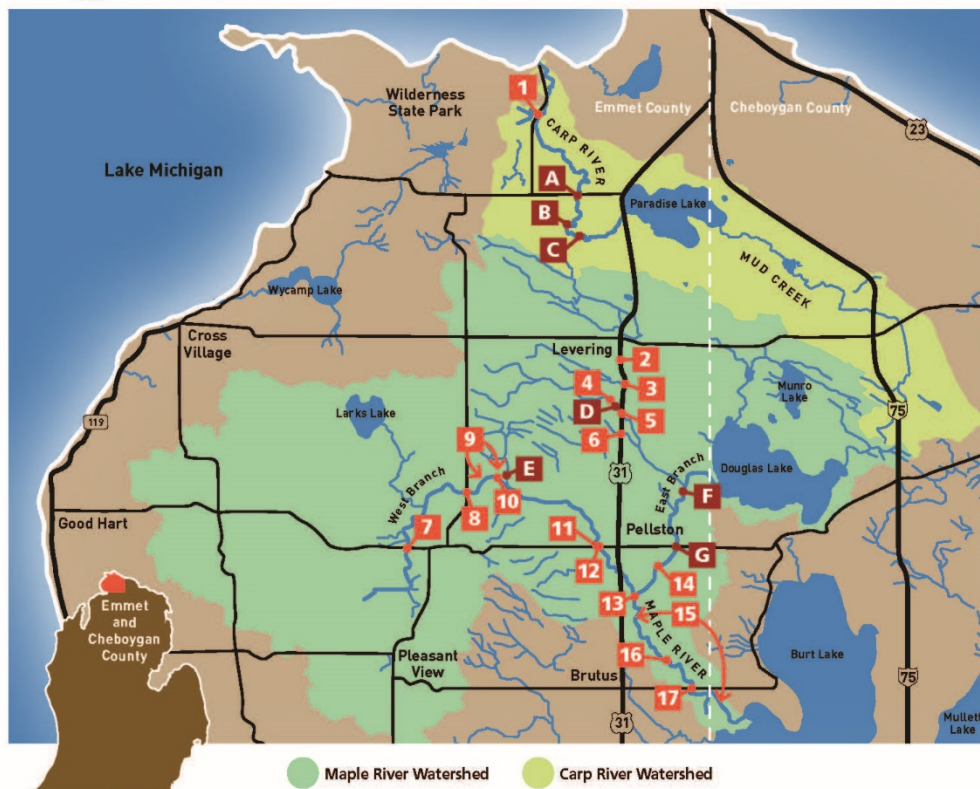


Free Span the Maple Initiative



GLBFHP - \$300K

Other FWS Programs - \$1.3 Million



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The Partnership
Program is Unique



Inventory
Engineering
Monitoring
Dams
Road Crossings



Habitat

\$8- \$14 Million
Farm Bill

\$8-\$14 Million
Partner
Contributions



Tribal Stream and Michigan Fruitbelt Collaborative

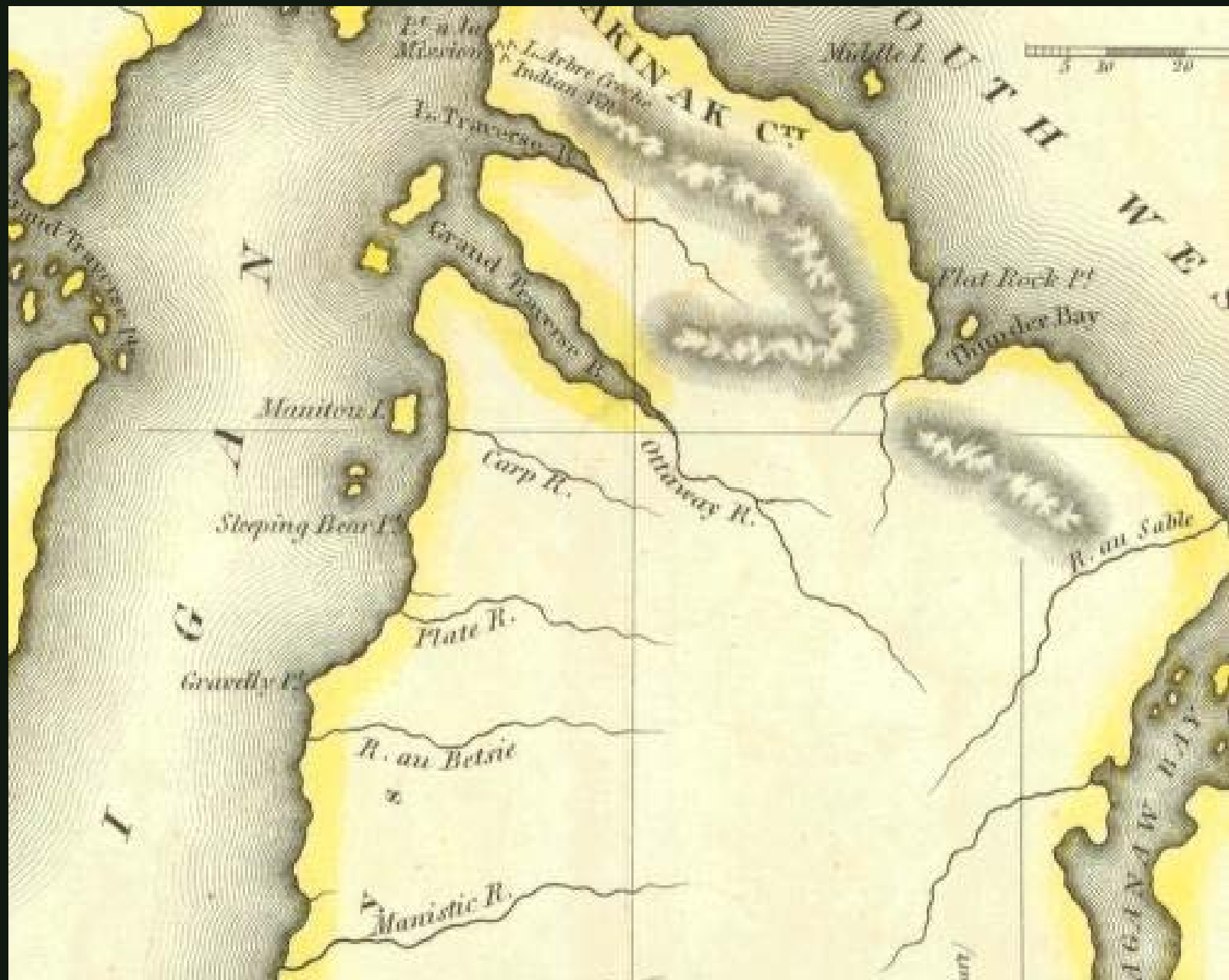










Photo: John Russell

Jim Anderson Aerial Photography



GLBFHP - \$700K

Other FWS Programs - \$4.3 Million



Every partner is
engaged to do
what they do
best....



Thank you Fish & WL Service!



Thank You GL Basin Partnership!

