

Handshake Partnership Program Report - FY 2016 Recipients

1. Name of Corps Project/Lake: Carlyle Lake
2. District / Division of Corps Project/Lake: St. Louis District/ MVD/ Carlyle Lake
3. Handshake Project Name: Fisheries Habitat Improvement at James Hawn Access Area
4. Amount of Handshake Funds remaining: \$0.00
5. What has been accomplished? See photos below.

	Total
Handshake Program Funding Amount	\$20,000.00
Local Corps Office Funds (total expended on labor, materials, contracts, etc.)?	\$6,000.00
Partner's Contributions (total value of funds, goods, services, volunteer hours, etc.)	
Partners Name	Total Value of Contributions
1 IDNR	\$1,163.00
2 Al Crocker – Fishin’ in the Outdoors	\$1,000.00
3 Bromley Excavating	\$1,200.00
4 McKendree University Bass Team	\$923.00
5 Highland H.S. Bass Club	\$923.00
6 Carlyle H.S. Bass Club	\$1,846.00
7 Lake Volunteer Association (LVA)	\$500.00
8	\$
9	\$
10	\$

6. Handshake Program Recipient Feedback

Please take this opportunity to provide feedback on all aspects of the Handshake Program and the Challenge Partnership Agreement authority. Your productive comments are important to the ongoing improvement of the program. Make sure to let us know how the Handshake funds have benefited your efforts to initiate and/or strengthen your partnerships.

The Handshake Program is a great way to get additional funding to complete work that cannot be funded through regular O&M dollars. The funding amounts available should be larger and the funding should be distributed to the projects quicker than they currently are.

7. Handshake Summary:

Please also include a separate newspaper type article describing the project and the benefit to the Corps of Engineers and to the public as a result of this partnership project. Examples can be found on the gateway under Handshake Success Stories.

In FY 16, the Carlyle Lake Project was selected for USACE handshake grant (\$20K) supporting a partnership to improve fisheries habitat and complement the operation of the existing brood pond facilities at the James Hawn Access Area. The brood pond is managed in cooperation with the Illinois Department of Natural Resources Department of Fisheries to raise game fish species (black and white crappie) to be released in Carlyle Lake. Each year approximately 200,000 fish (3-5 inches) are raised in the pond and released in the lake.

Over the past 15 years, the area adjacent to the brood pond where fish are released has deteriorated due to flooding and numerous high water events. These high water events have caused erosion and siltation resulting in shallow water levels at normal pool levels. This deteriorated habitat and shallow water level has impacted the survival rate of fingerling fish that are released into the lake. The significance of a proper functioning brood pond system at Carlyle Lake is vital because the fish raised in the pond are used to mitigate for adverse effects on natural spawning by fluctuating water levels in the lake.

Improvements to the area include: excavation of the area adjacent the brood pond outfall structure, excavating two channels approximately 200 yards by 20 feet wide by eight feet deep, and construction of three small habitat islands (20 feet in diameter) armored with 50 pound rip rap. These improvements would contribute to greater survival rates of fingerling fish released from the brood pond and give them a stress free route to deeper water while providing shelter from predators. In addition, other habitat improvements associated with the project include: placing of artificial fish structure, planting of aquatic vegetation, and planting of willow and cypress trees. Work is expected to be completed in the October 2016.

Through partner contributions of equipment, materials, in-kind services, and volunteer hours the project will have a total value of over \$33K (40% leveraged dollars). All work on the project is expected to be completed in the fall of 2016.

Partners involved in the project include: The Illinois Department of Natural Resources Division of Fisheries, Bromley Excavating, Alan Crocker (Let's Talk Fishin'), the McKendree University Bass Fishing Team, the Highland High School Bass Fishing Team, the Carlyle High School Bass Fishing Team, and the Lake Volunteer Association.

James Hawn Access Area BEFORE



James Hawn Access Area AFTER





Carlyle Lake

James Hahn Fisheries Habitat Partnership



Project Partners Include:

- US Army Corps of Engineers
- Illinois Natural History Survey
- Carlyle High School
- Carlyle Area High School
- Carlyle Area Middle School
- Carlyle Area Elementary School
- Carlyle Area Junior High School
- Carlyle Area Senior High School
- Carlyle Area Community College
- Carlyle Area University

Carlyle Lake

Fisheries Habitat Improvement Projects



Project Partners Include

- IDNR Fisheries
- Let's Talk Fishin'
- Bromley Excavating
- Lake Volunteer Association

- McKendree University Bass Team
- Highland High School Bass Team
- Carlyle High School Bass Team