



United States Department of Agriculture



NRCS Engineering Technical Assistance (TA) for Aquatic Restoration Projects

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Types of NRCS Technical Assistance (TA)

- **Farm/Site Consultations**
 - Site Assessments
 - Resource Inventory
- **Conservation Planning**
 - Resource Assessment
 - Resource Monitoring
 - Conservation Plan Development
- **Conservation Planning Assistance**
 - Outreach
 - Water Level Monitoring
 - Site Visit/Trip Report
 - Site Survey
 - H&H
 - Conceptual Designs
 - Design Review
 - Design
 - Project Layout
 - Construction Inspection
 - Project Certification



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Different Ways NRCS Can Provide Engineering TA

- **Agreements**
- **Engineering Contracts**
- **Technical Service Providers (TSP)**
- **NRCS Programs (EQIP/RCPP)**
 - Local NRCS Service Centers
 - Maine NRCS Aquatic Restoration Team
 - NRCS National Conservation Engineering Team
 - NRCS Regional Tech Centers
 - NRCS National Design, Construction and Soil Mechanics Center
 - NRCS Plant Materials Centers



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Examples of TA used for the China Lake Alewife Initiative



Before photo looking upstream at existing AOP barrier at Site 6.

Engineering Technical Assistance Utilized:

- **Site visits**
 - Maine NRCS Field Office
 - Maine NRCS State Office
 - NRCS Tech Center
- **Trip reports**
- **Monthly partner meetings**
- **Engineering contract**
- **Engineering design reviews**
- **Technical Service Provider (TSP)**
 - Construction oversight
 - Checkout
- **Weekly construction meetings with partners**
- **Outreach**



Examples of TA used for the China Lake Alewife Initiative



Left: Before photo looking upstream at AOP barriers at Site 3.



Right: Before photo looking downstream at Site 3.

Engineering TA Utilized:

- Site visits
- Trip reports
- Monthly partner meetings

- Conceptual design review
- Design
- Construction oversight and checkout
- Outreach

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Examples of TA used for the China Lake Alewife Initiative



Left: After photo of engineered concrete fish ladder at Site 6.



Right: After photo of stream restoration at Site 3.





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Questions?



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