



Beaver Institute Inc.

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BeaverCorps Training Syllabus

Part 1 – Online Trainings

Week 1:

Lesson 1: Beaver Basics: History, Biology, Behavior, Benefits

Lesson 2: Tree Protection Techniques

Lesson 3: Beaver Dam Conflicts and Mitigation Methods

Lesson 4: Breaching Dams and Opening Culverts

Quiz 1

Week 2:

Lesson 5: Flow Devices to Resolve Flooding Conflicts

5A. Culvert Fences

5B. Pond Leveler pipes

5C. Beaver Dam Analogs

5D. Diversion Dams and Fences

5E. Fence and Pipe devices

5F. Multi-Intake Pond Levelers

5G. Dam Spillway and Retention Pond devices

5H. Salmon Passage device (regional)

Quiz 2

Week 3:

Lesson 6: Site Assessments – Critical for success

Quiz 3

Week 4:

Lesson 7: Wildlife passage designs

Lesson 8: Flow device replacements

Lesson 9: Recommended Tools and Materials

Lesson 10: Job Safety

Quiz 4

Week 5:

Lesson 11: Beaver Trapping

Lesson 12: Wetland Permitting

Quiz 5

Week 6:

Lesson 13: Business Start-up

Lesson 14: Business Operations

Quiz 6

Week 7:

Lesson 15: Marketing – Website, Social Media, Outreach

Lesson 16: Crowdfunding Projects and Additional Resources

Quiz 7

Part 1 Final Exam

Note: Passing grades on all 7 weekly quizzes and the Final Exam are required to proceed to the Part 2 mentored training.

Part 2 –Mentored Flow Device Training

Goal:

To apply the knowledge learned in Part 1 to real life beaver conflicts.

Flow Device Sites:

The trainee will be responsible for identifying and making the arrangements necessary to install 4 flow devices in their region, with guidance and advice from Mike Callahan and other Beaver Institute instructors.

Mentoring:

Each trainee will complete every aspect of a flow device project. Each flow device project will be mentored remotely by Beaver Institute instructors, offering advice as needed.

Mentoring will be available as needed during and after each project, including:

1. Site assessments
2. Data Collection and Analysis
3. Submitting your Proposal with Cost Estimates
4. Flow device construction and installation
5. Long-term follow-up and Maintenance
6. Troubleshooting

Process:

With BeaverCorps members being geographically and culturally diverse, the Beaver Institute is pleased to foster a spirit of community, camaraderie, and the opportunity to learn from each other.

Each BeaverCorps trainee is invited to participate in our BeaverCorps community via our private Slack online platform. On our Slack platform is a wealth of information that members post on flow devices, permitting, general beaver knowledge, etc. It is a dynamic way to share ideas and post questions to other BeaverCorps members.

In addition, each trainee also is invited to participate in regular BeaverCorps Zoom meetings to learn from guest speakers, staff, and each other.

Initial Mentored Session

After doing a Site Assessment, each trainee will schedule a Calendly appointment with their mentor to review their site assessment findings and recommendations. This session should be scheduled before the trainee submits a proposal and cost estimate to their client.

They should email their mentor their completed Site Assessment form, pictures of the site, watershed analysis, and any additional information they feel would be helpful. The mentor will review this information prior to the mentoring consultation.

Installation Follow-up Mentored Session

Shortly after the flow device is installed, the student will submit the Completed Flow Device Installation Form, and photos of the completed installation to the mentor and schedule a follow-up mentoring appointment on Calendly to review the installation.

Extra Mentored Session

An extra mentored consultation can be scheduled as needed at the discretion of the student or mentor if problems arise.

Once the student has successfully installed 4 flow devices, and both they and their mentor feel they are ready to begin working on their own, the student will graduate and receive a Certificate of Completion for the BeaverCorps Training Program.

Each BeaverCorps graduate will also receive many long-term benefits. All BeaverCorps members will be promoted on the Beaver Institute website, receive referrals from the Beaver Institute, receive ongoing training and support from the Beaver Institute, and receive support via the online BeaverCorps community.

In addition, as funding allows each BeaverCorps member is eligible to receive Beaver Institute landowner grants to help incentivize people with beaver issues to hire them.

Finally, we ask that each BeaverCorps graduate pay it forward to those who will follow, by sharing their experiences with other BeaverCorps trainees and graduates. By supporting and learning from each other, we all benefit.