



# 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

Lesson 15: Marketing – Website, Social Media, Outreach

Lesson 16: Crowdfunding Projects and Additional Resources

**Quiz 6**

**Part 1 Final Exam**

**Note:** Passing grades on all 6 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 the Beaver Institute.

### **Mentoring:**

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

Mentoring will be available as needed at each stage of 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:**

Each BeaverCorps trainee will be invited to join the BeaverCorps online community via Slack. On Slack there is a wealth of posted information on flow devices, permitting, general beaver knowledge, etc.

Each trainee also is encouraged to join regular BeaverCorps Zoom meetings to learn from speakers, staff, and each other.

For each of their flow device projects the student will submit a completed Site Assessment Data Sheet with photos to the mentor.

The student will schedule a Calendly appointment with the mentor to review their site assessment findings and recommendations before submitting a proposal and cost estimate to their client. Additional mentoring appointments can be scheduled at the discretion of the student or mentor.

Once the flow device is installed the student will submit photos and/or video of the completed installation to the mentor and schedule a follow-up mentoring appointment on Calendly.

Copies of estimates and invoices should be submitted to the mentor.

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 from the BeaverCorps Training Program.

Each BeaverCorps graduate will receive full membership in the BeaverCorps and receive many long-term benefits. For example, 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. 😊

We ask that each graduate give back by sharing their experiences with other BeaverCorps graduates and trainees. By supporting and learning from each other we all benefit.