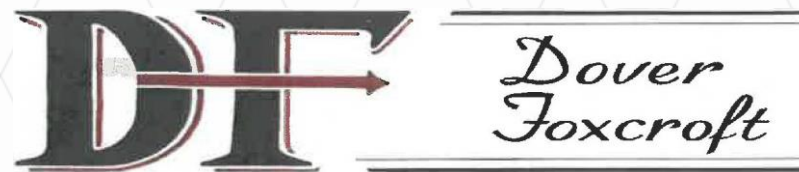




# Mayo Mill Dam Feasibility & Alternatives Study

---

FUTURE PARTNERSHIP CONSIDERATIONS



# Current Partnership

---

- ❖ Partnership Agreement finalized one year ago in October 2022
- ❖ The purpose included:
  1. feasibility and alternatives report
  2. facilitating the selection process and supporting the Town through the decision making



# ASF & TNC

## Future Partnership Considerations

---



- ❖ Fish Passage, Habitat, & Cumulative River Impacts.
- ❖ Flood risk reduction is also critical.
- ❖ We must consider cost & fundability.
- ❖ Context within our organization capacity.

# Fish Passage, Habitat, & Cumulative Impacts

- ❖ The Piscataquis River is one of the nation's best hopes for the rebound of sea-run Atlantic salmon populations.
- ❖ Alternatives that will most comprehensively achieve safe, timely, & effective fish passage rank accordingly.
- ❖ Retention of an impoundment = slowed flow and **↑** water temps.
- ❖ 3 dams + 3 impoundments before fish reach Mayo Mill.





# Flood Risk Reduction

- ❖ As the impacts of climate change continue...the frequency, severity, and unpredictability of storms will continue to increase.
- ❖ The alternative selected will affect flooding impacts in downtown Dover-Foxcroft.

# Cost and Fundability



Costs include construction, long-term O&M and monitoring, as well as engineering, design, & regulatory compliance.



*Additional* costs include landscape amenities.



Fundability includes both competitiveness for public funding as well as enthusiasm from private funders. This project will take both.



Current public funding is at unprecedented levels. So is the competition.



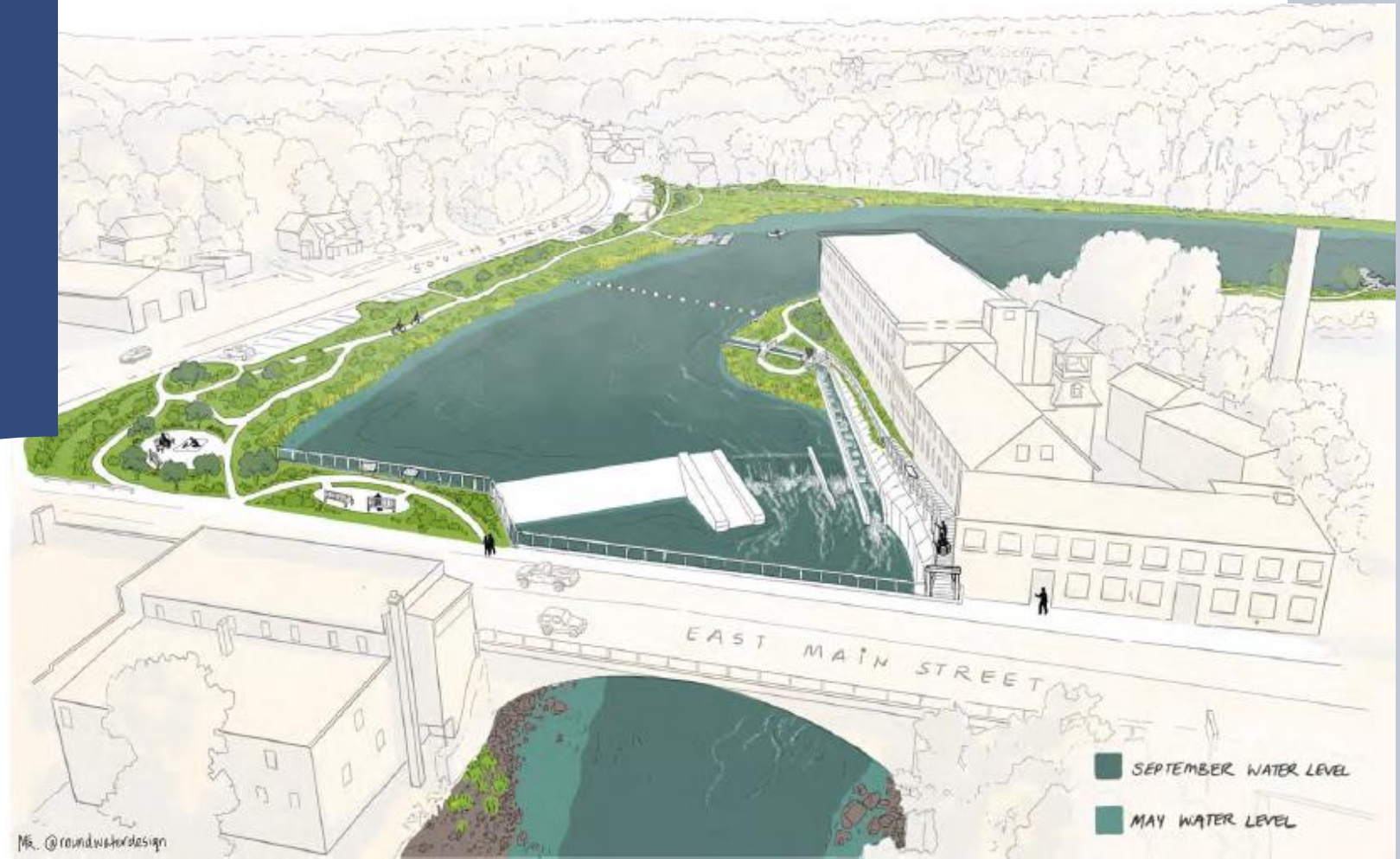
# Organizational Capacity

---

- ❖ ASF & TNC work statewide.
- ❖ Prioritization of limited capacity ultimately drives our focus.
- ❖ Strongest commitment is made to projects that will have the greatest watershed-scale impact AND the greatest contribution toward Atlantic salmon recovery.



# Technical Fishway Options [M1/L1]



**Potential ASF/TNC Support per Alternative**



# Nature-like Fishway with Impoundment [N6]



**Potential ASF/TNC Support per Alternative**

# Nature-like Fishway with Lowered Impoundment [N7]



**Potential ASF/TNC Support per Alternative**

# Dam Removal [R1/R2]



Potential ASF/TNC Support per Alternative