



LOWELL PARKS &
CONSERVATION TRUST

Lowell Parks & Conservation Trust

Jane Calvin, Executive Director



Mission

Creating Community Through Conservation

Our mission is to **improve the quality of life** *for the people* of Lowell through education and through the creation, conservation, and preservation of parks, open spaces, and special places.



Lowell Parks & Conservation Trust History

- Founded in **1990**
- Nationally accredited land trust
- **5%** of land use is dedicated as open space
- **3.4%** for recreation





A River-Powered City

- At confluence of Merrimack and Concord Rivers
- First planned industrial city



Environmental Justice

Community

120,000

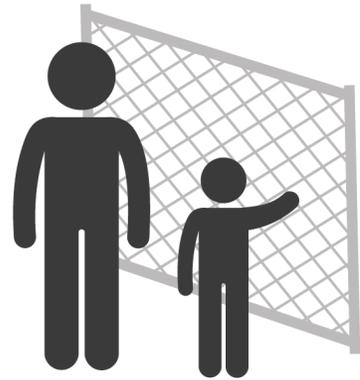
people

70

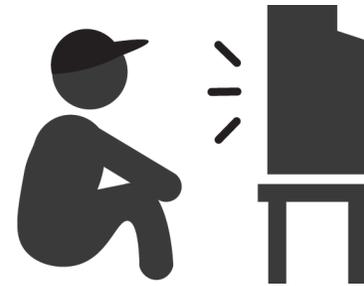
languages



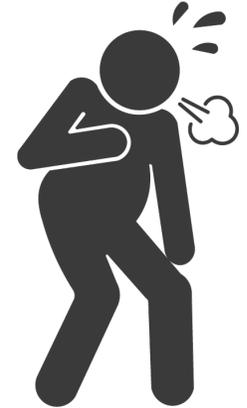
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**Inequitable
Access**

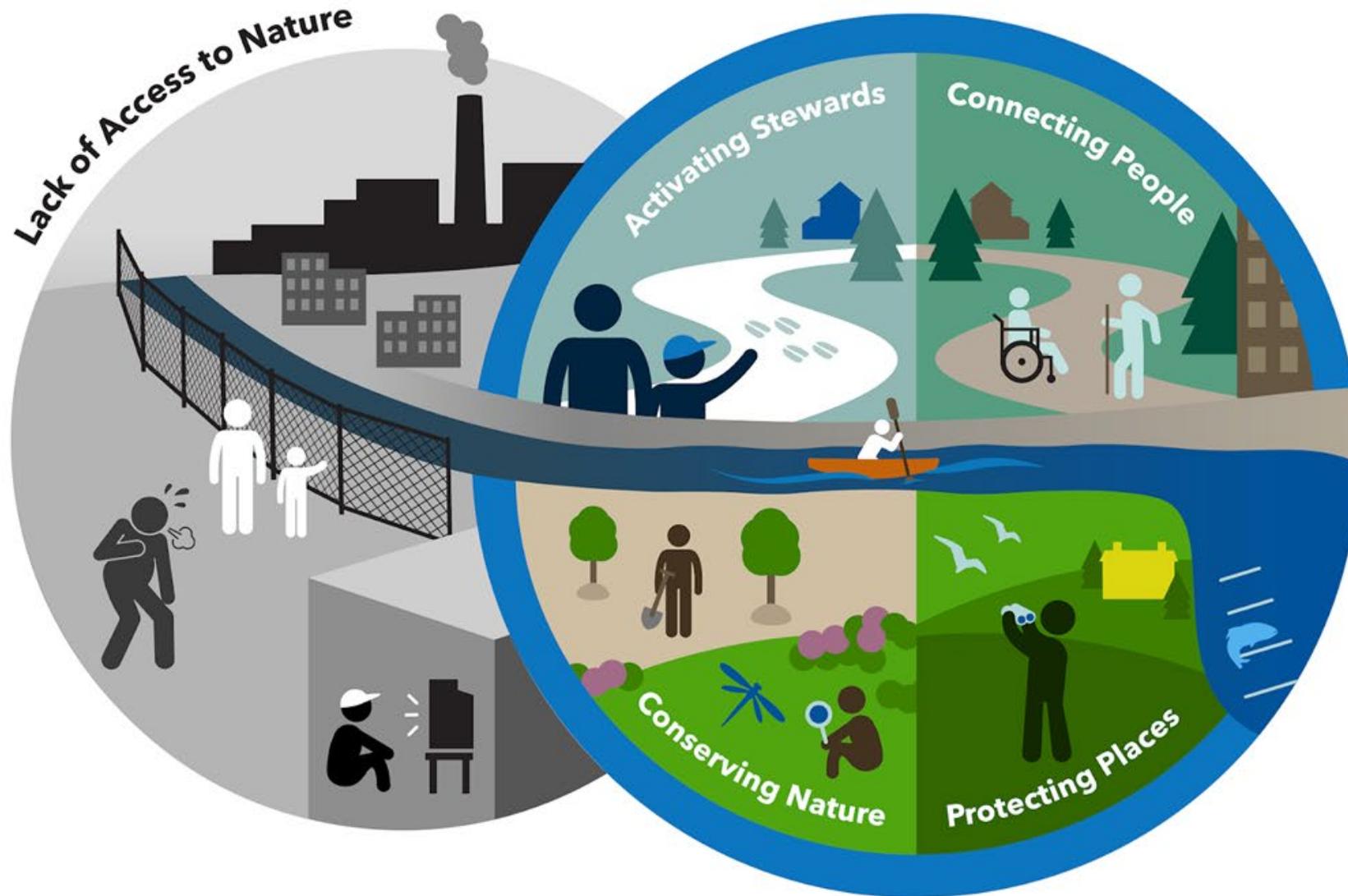


**Nature Deficit
Disorder**



**Health
Problems**

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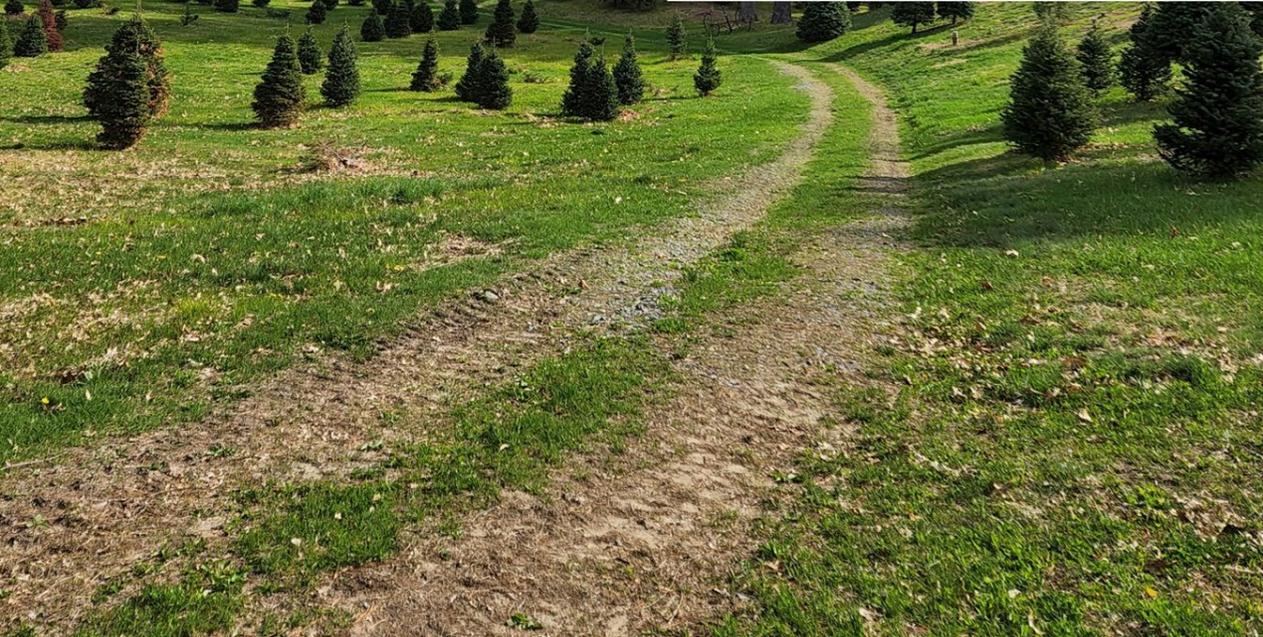
Our Model





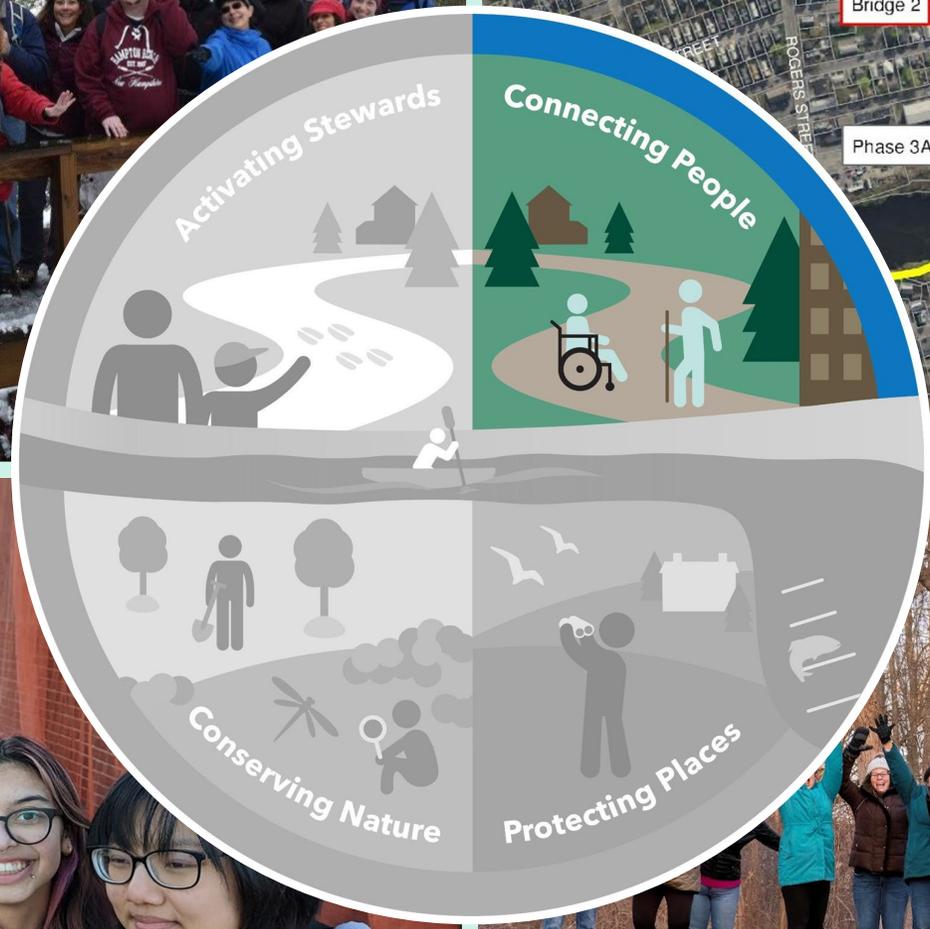


Pawtucket Farm













Nature Is For Everyone



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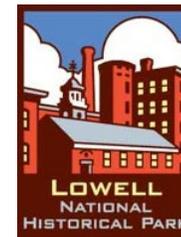
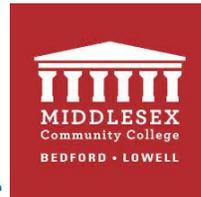
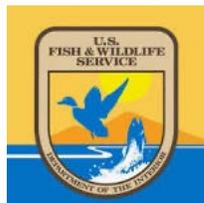
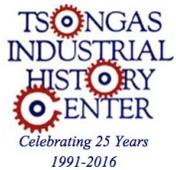
Partners & Funders



GREATER MERRIMACK VALLEY
Convention & Visitors Bureau



Northern
Middlesex Council
of Governments



Concord River Alewife Monitoring



Centennial Island Fish Ladder

Where does the monitoring take place?

- Centennial Island at Wamesit Falls
- Wooden Slats
- V-Bar
- Custom metal fish weir



View of the V-bar from the monitor position

The Monitoring Process

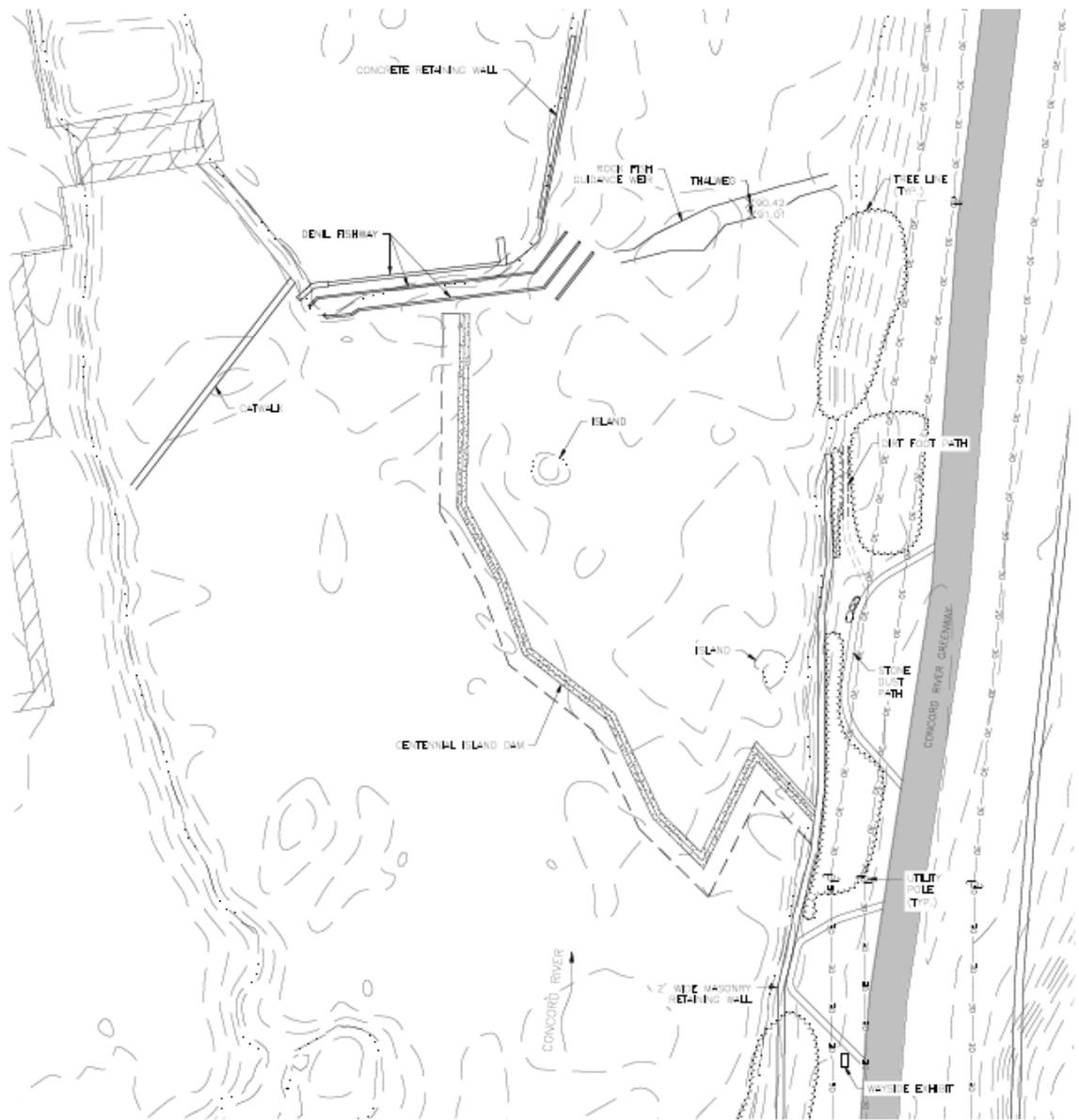
What is the process?

- Volunteer monitors the V-bar for 10 minutes uninterrupted
- There are 12 total shifts per day in the season
 - Season: May through June



Volunteer Training

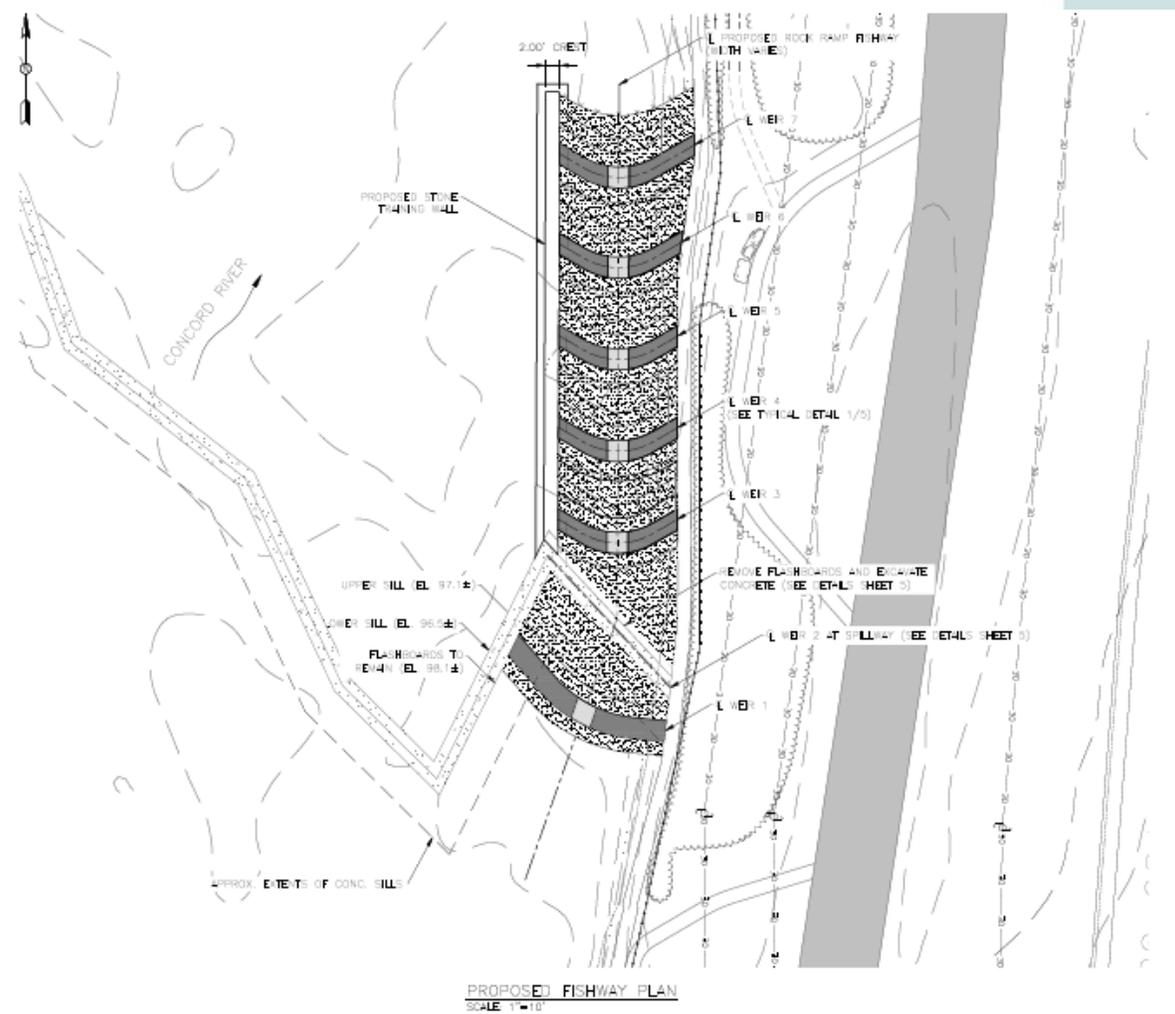




ENLARGED PLAN
SCALE 1"=20'

CENTENNIAL ISLAND FISHWAY

EXISTING CONDITIONS PLAN



PROPOSED FISHWAY PLAN
SCALE 1"=10'

Preliminary design for replacing the current denial fish ladder with a nature-like fish passage (rock ramp)



