August 9, 2018

Fish*PASS*: building a user-friendly web tool for prioritizing barrier remediation

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ecotrust

AGENDA

Background 01

Processes 02

Wireframes 03

Timeline 04

01 *Background*

ECOTRUST

We are a regional organization working to restore the environment, build social equity, and develop a new economy guided by nature.

We work in fisheries, forestry, food & farms.

ECOTRUST | Knowledge Systems

We focus on middle ground solutions to address resource management issues:

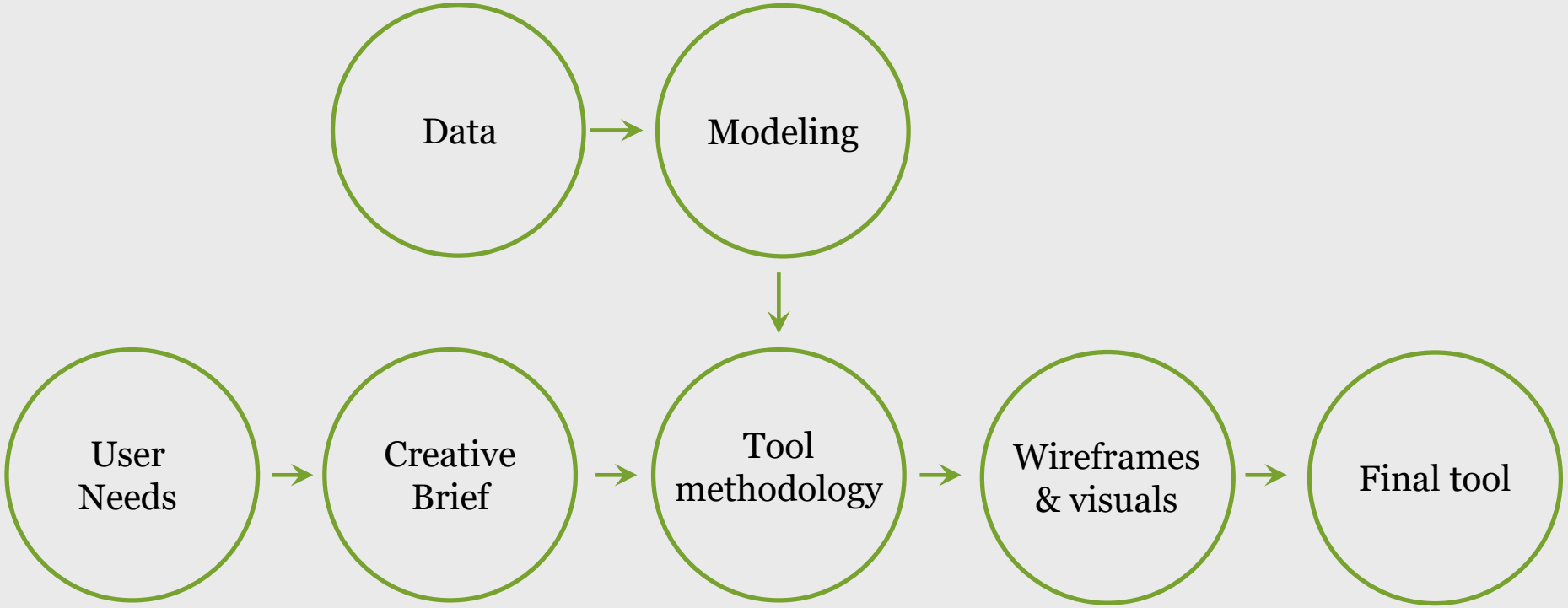
- stakeholder engagement
- economic analysis
- decision support tools

GOAL

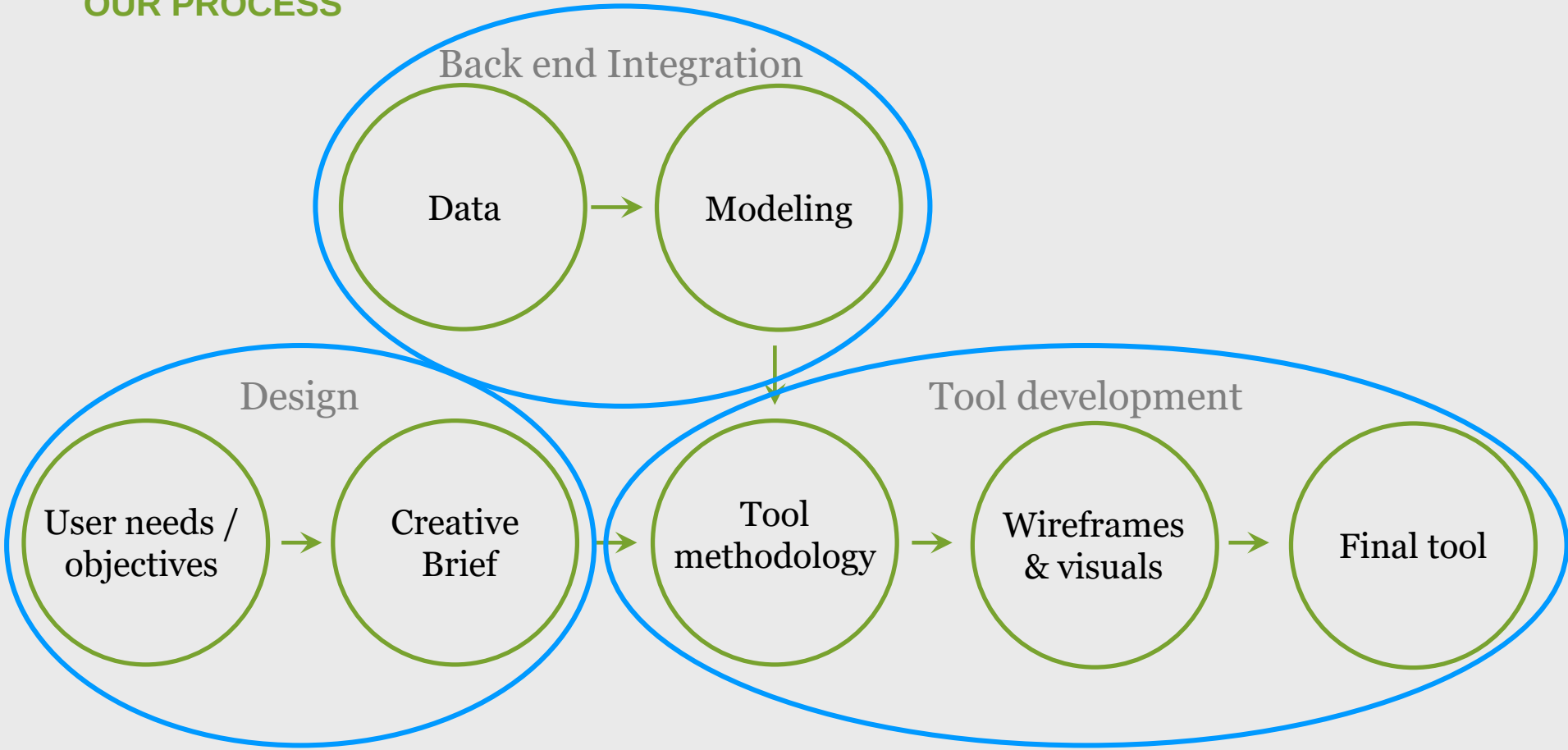
Develop a user-friendly web-based interface for Fish*PASS*, a fish barrier remediation prioritization decision support tool.

02 *Process*

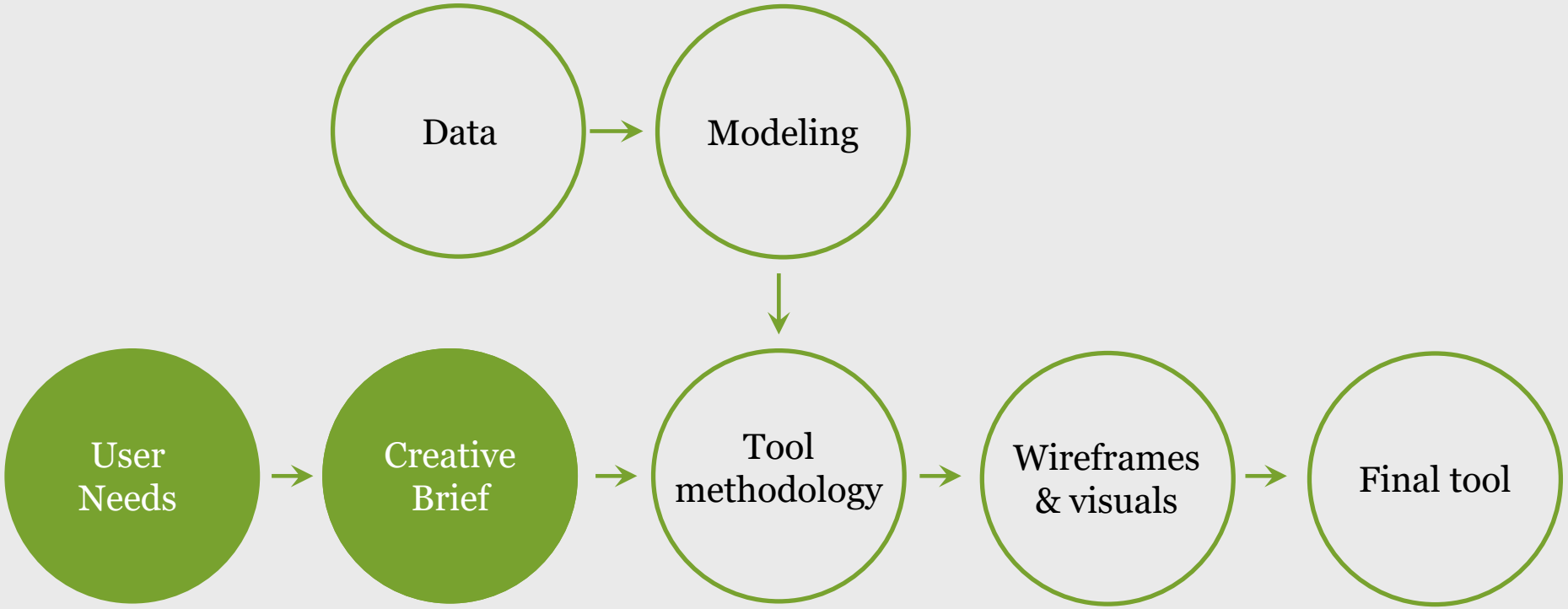
OUR PROCESS


Data
Modeling
User Needs
Creative Brief
Tool methodology
Wireframes & visuals
Final tool

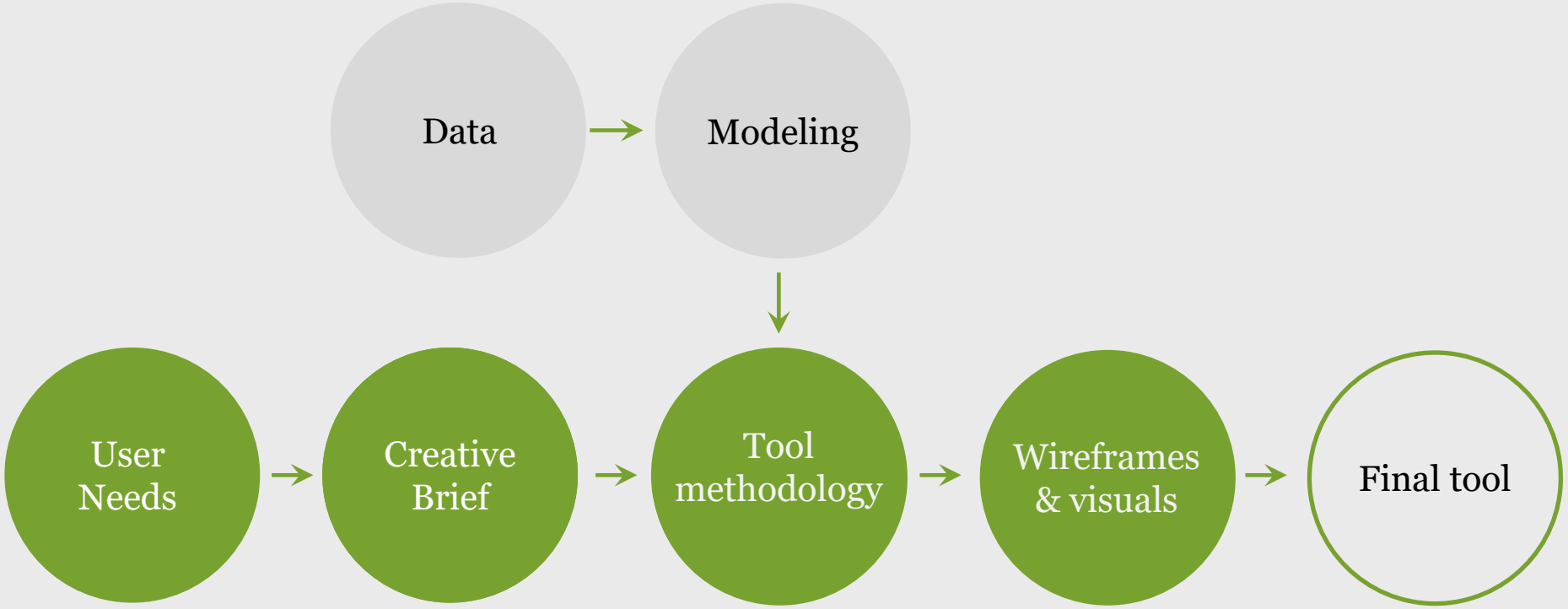
OUR PROCESS


Back end Integration
Data
Modeling
Design
User needs / objectives
Creative Brief
Tool development
Tool methodology
Wireframes & visuals
Final tool

LAST UPDATE

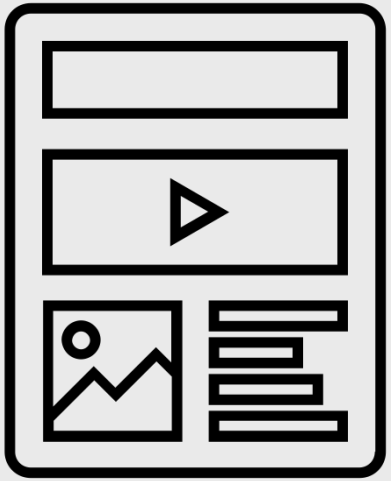

Data
Modeling
User Needs
Creative Brief
Tool methodology
Wireframes & visuals
Final tool

CURRENT STATUS



03 *Wireframes*

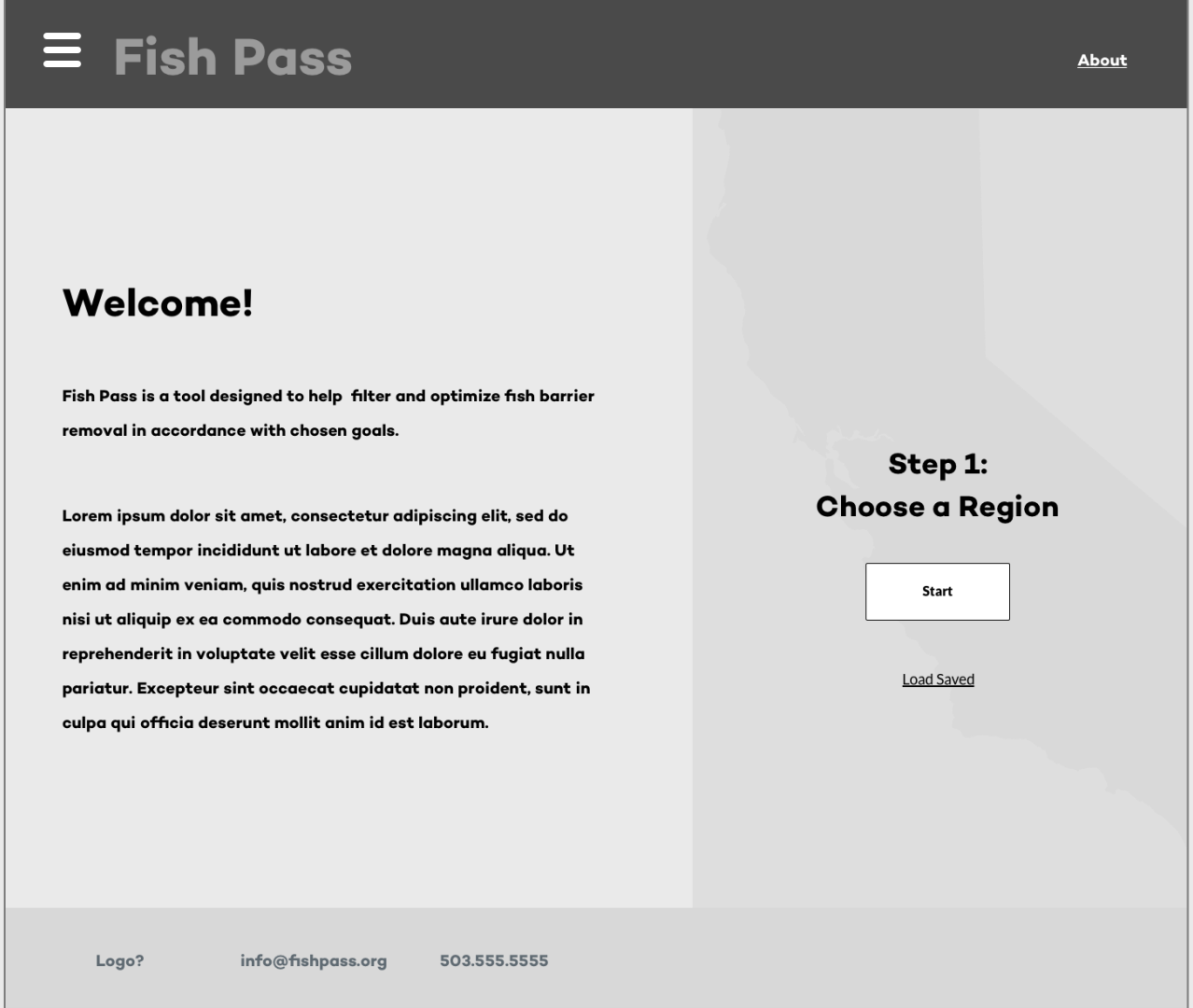
What is a wireframe?



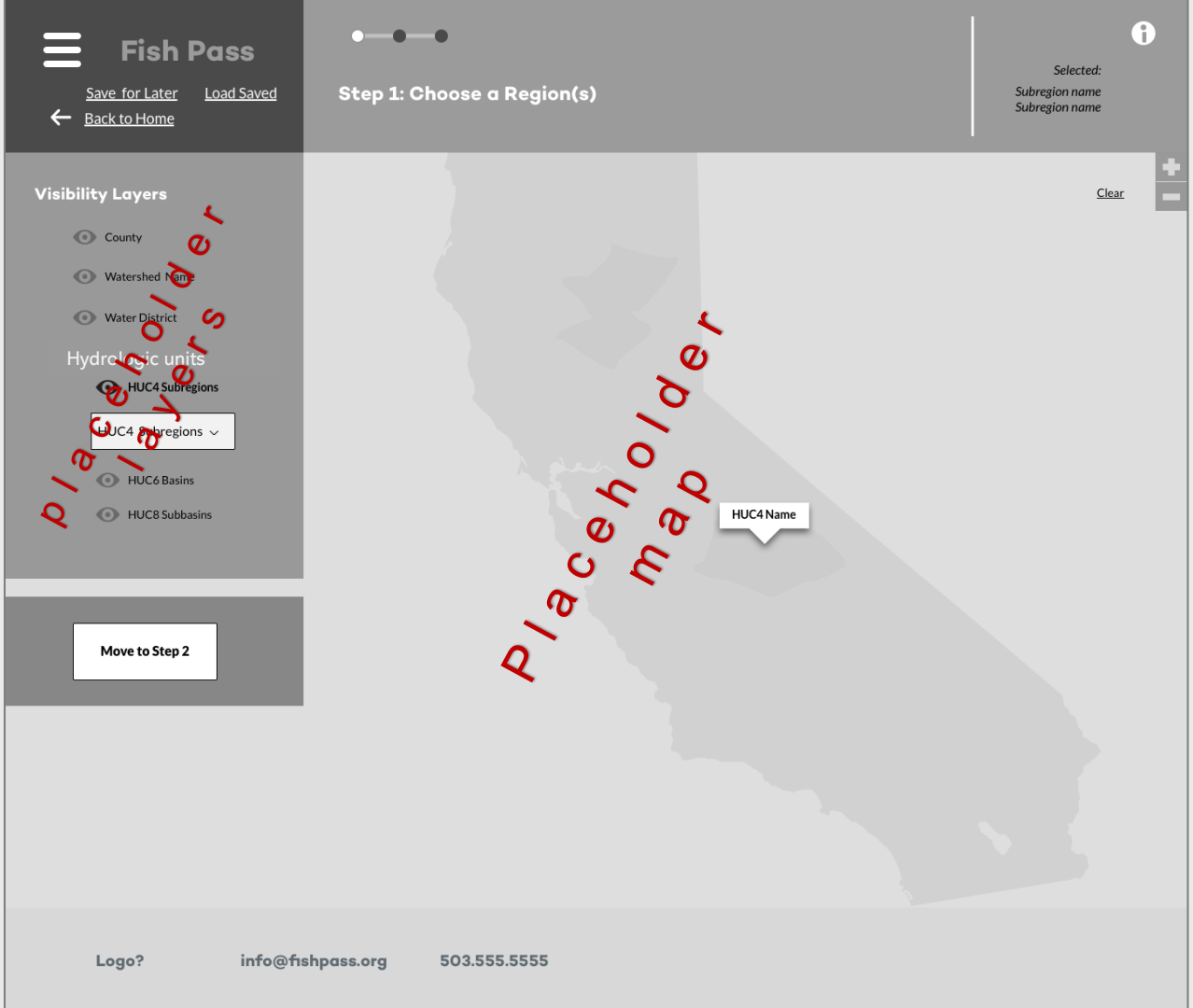
A set of images which display only the functional elements of a website, and used to plan a site's structure and functionality.

Icon by mikicon & Noun Project

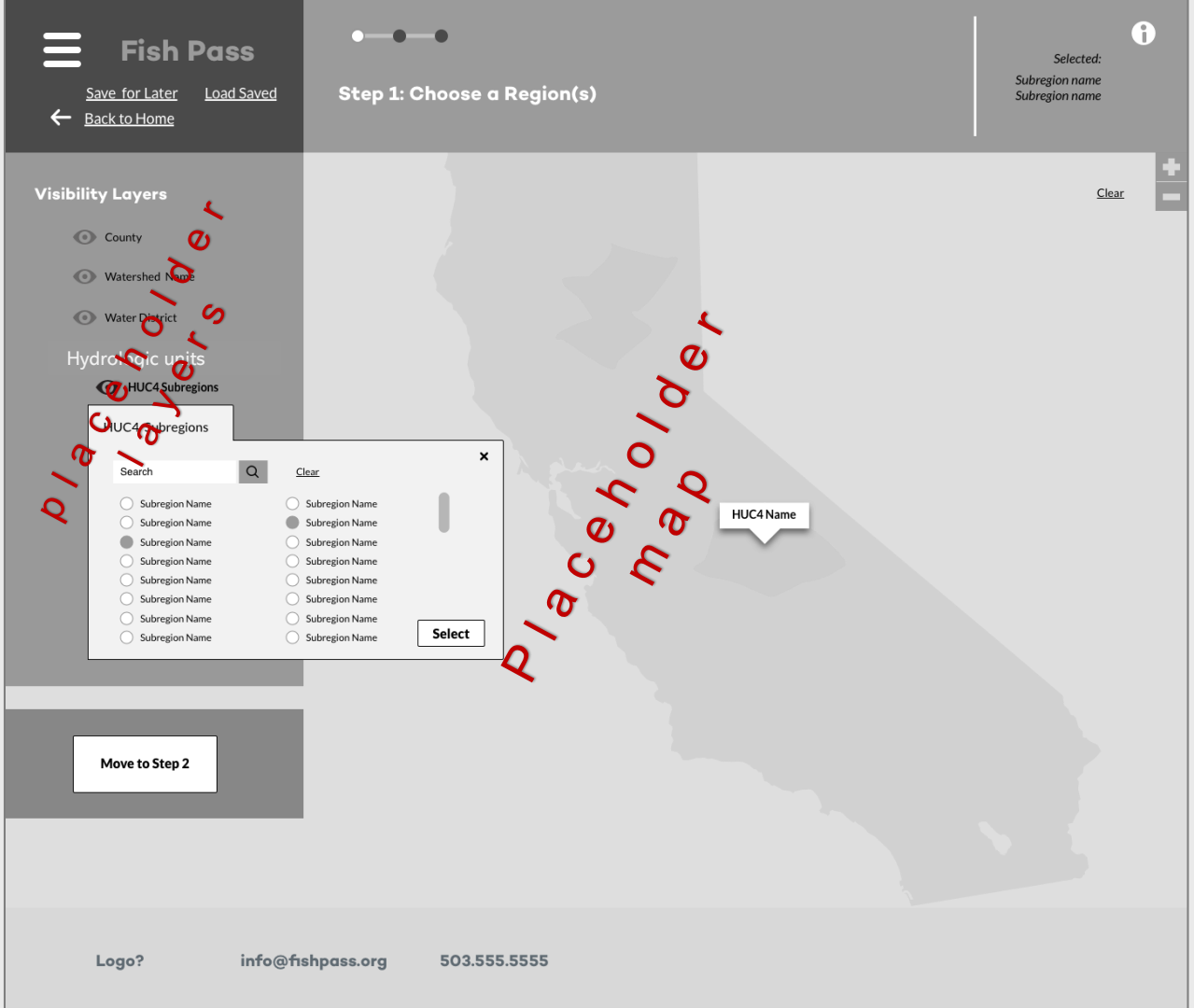
Wireframes: Landing page



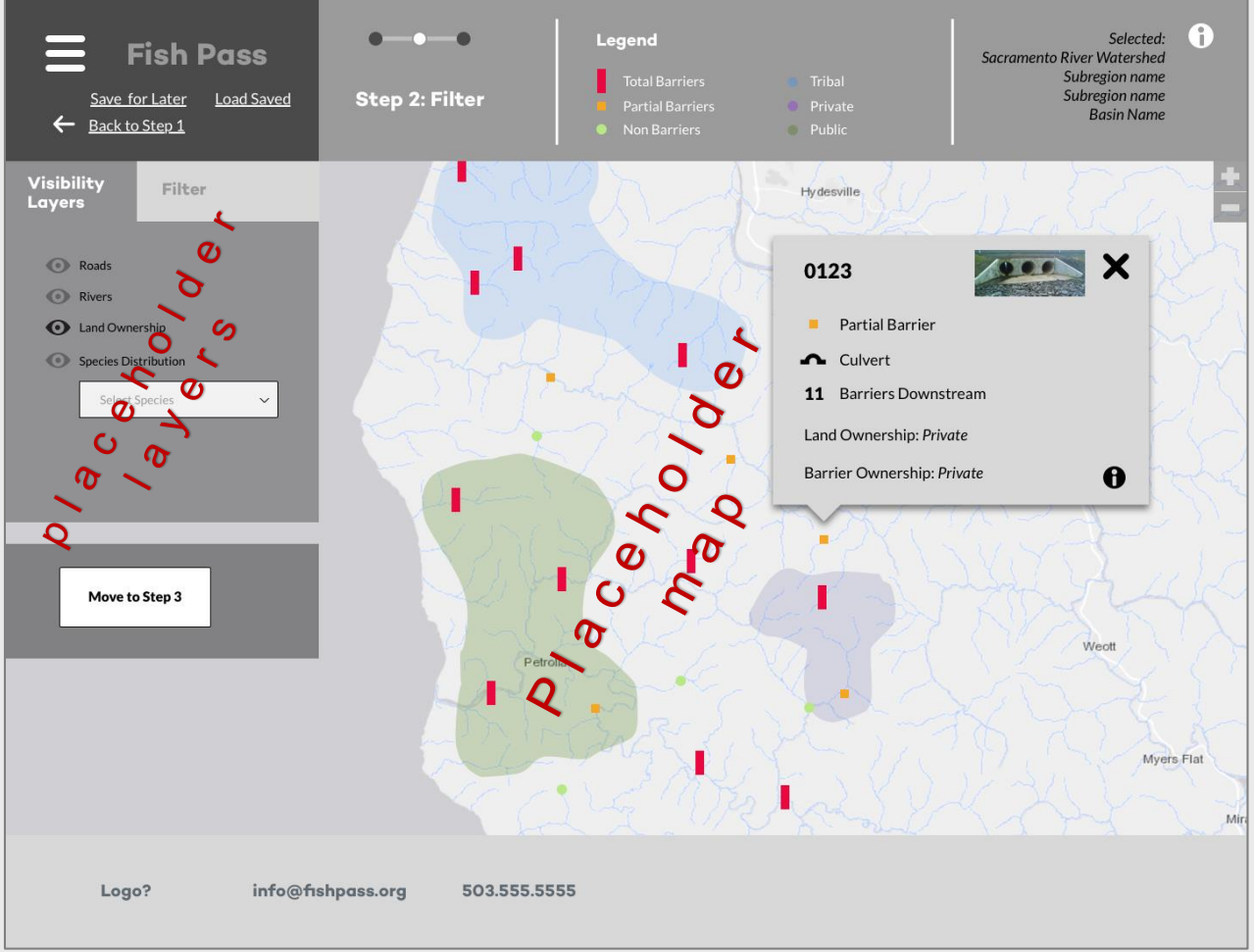
Wireframes: Step 1



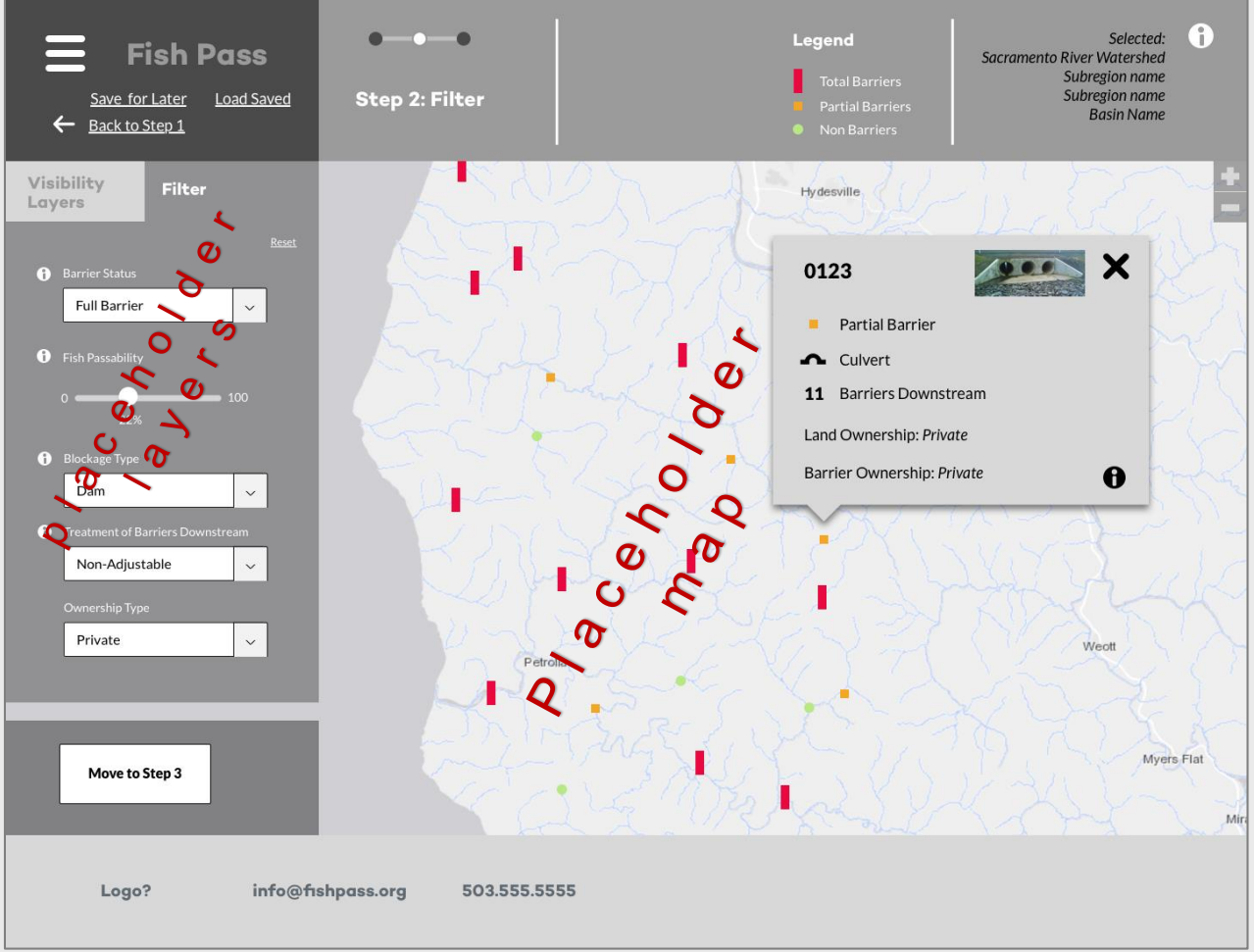
Wireframes: Step 1



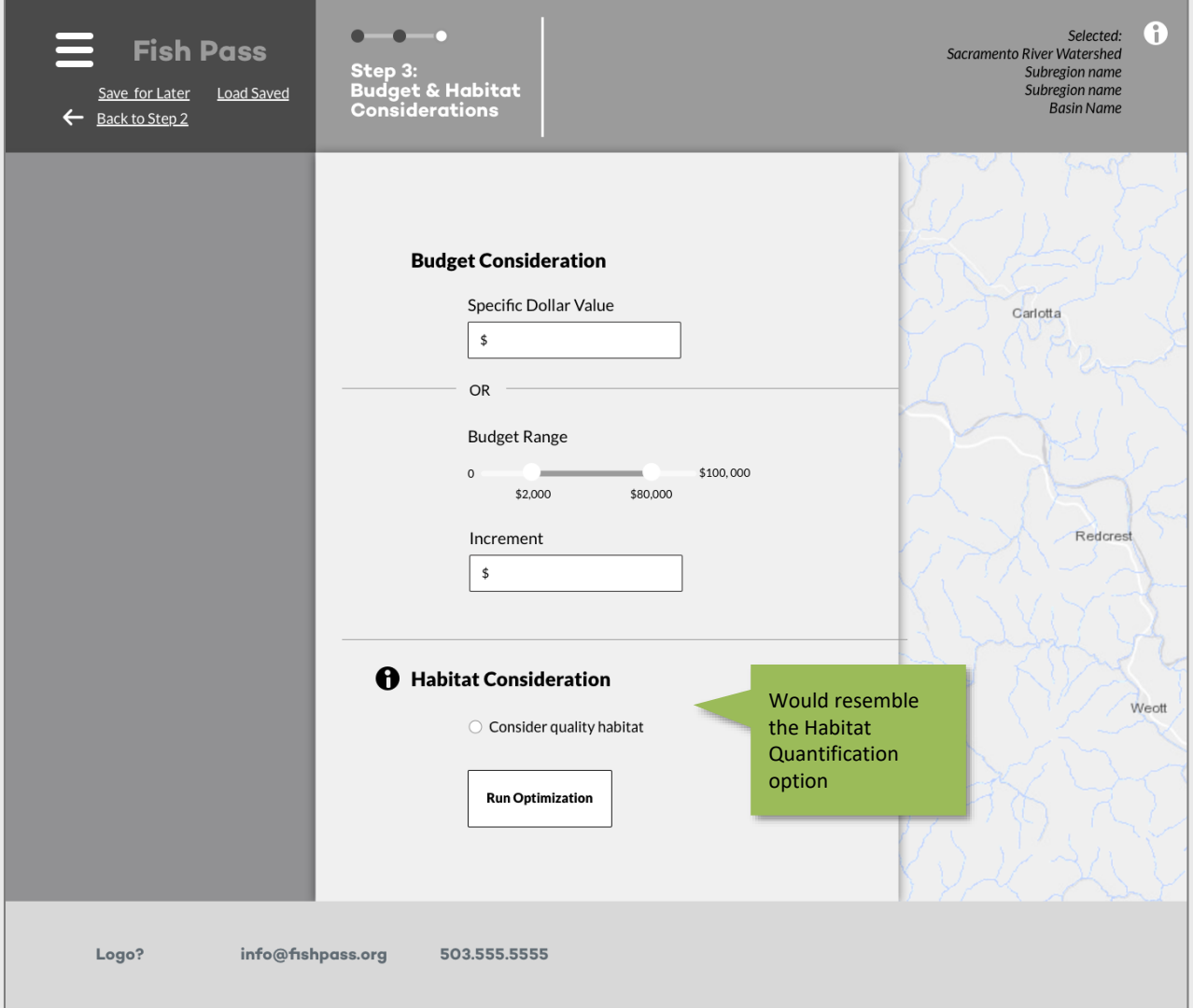
Wireframes: Step 2



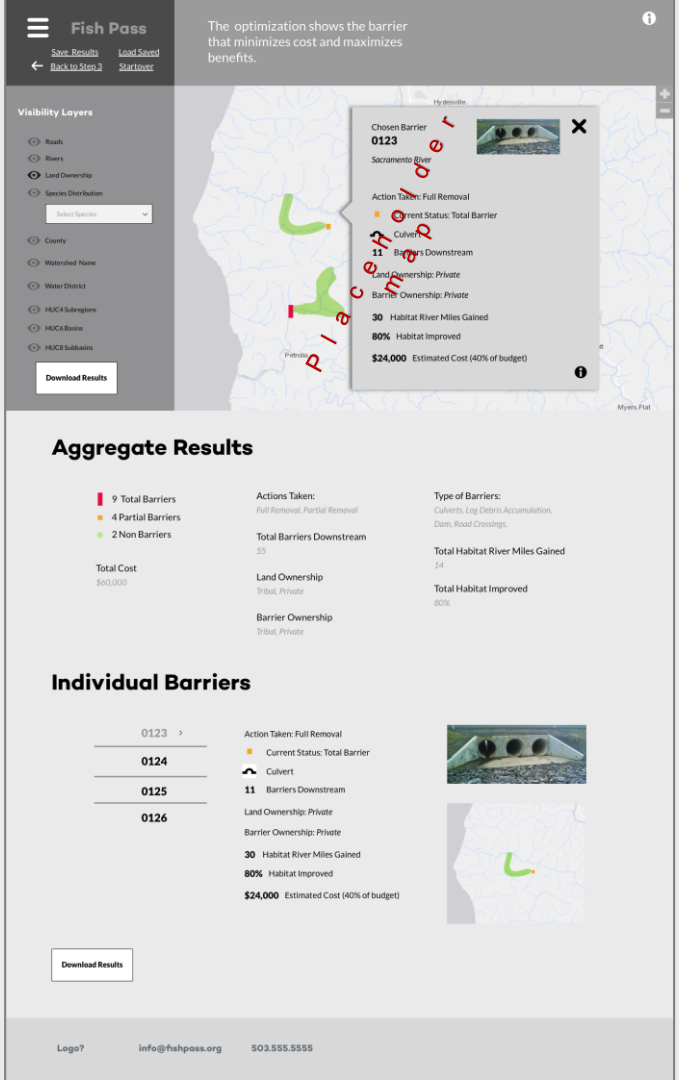
Wireframes: Step 2



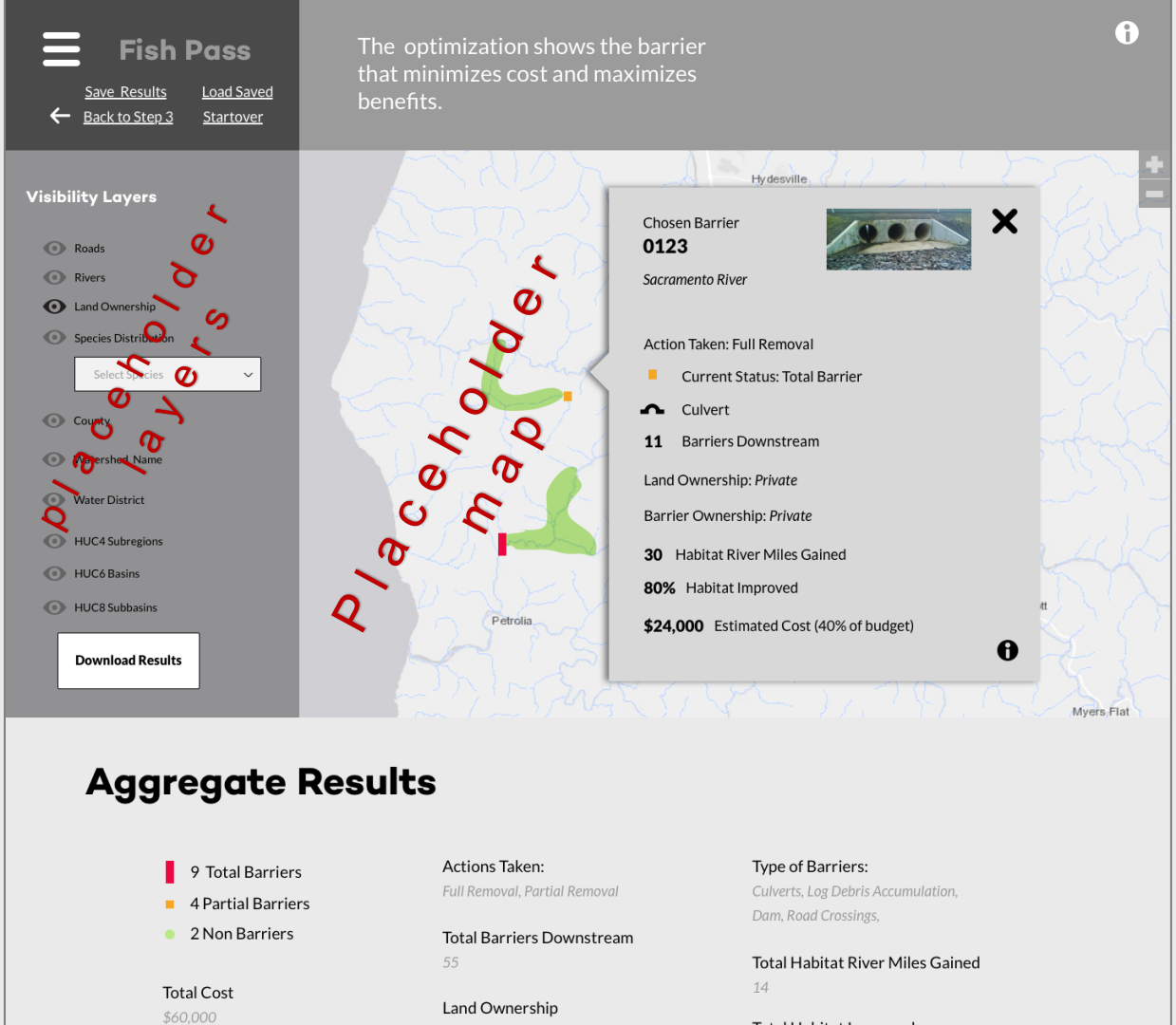
Wireframes: Step 3



Wireframes: Results



Wireframes: Results



Wireframes: Results

Aggregate Results

- 9 Total Barriers
- 4 Partial Barriers
- 2 Non Barriers

Total Cost
$60,000

Actions Taken:
Full Removal, Partial Removal

Total Barriers Downstream
55

Land Ownership
Tribal, Private

Barrier Ownership
Tribal, Private

Type of Barriers:
Culverts, Log Debris Accumulation, Dam, Road Crossings,

Total Habitat River Miles Gained
14

Total Habitat Improved
80%

Individual Barriers

0123 ›

0124

0125

0126

Action Taken: Full Removal

Current Status: Total Barrier

Culvert

11 Barriers Downstream

Land Ownership: *Private*

Barrier Ownership: *Private*

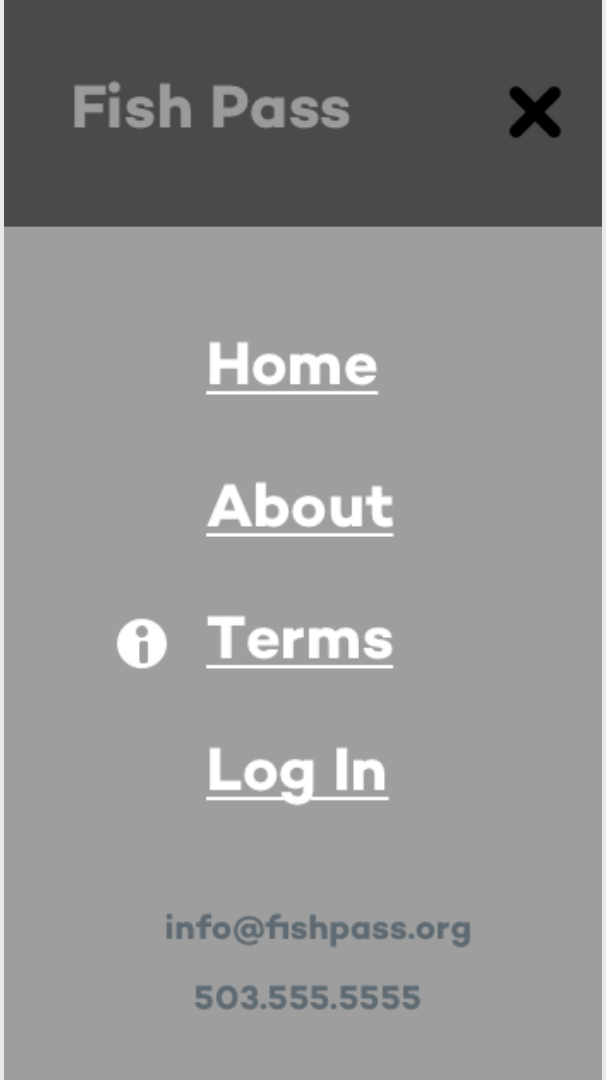
30 Habitat River Miles Gained

80% Habitat Improved

$24,000 Estimated Cost (40% of budget)

Download Results

Wireframes: functions



Wireframes: functions

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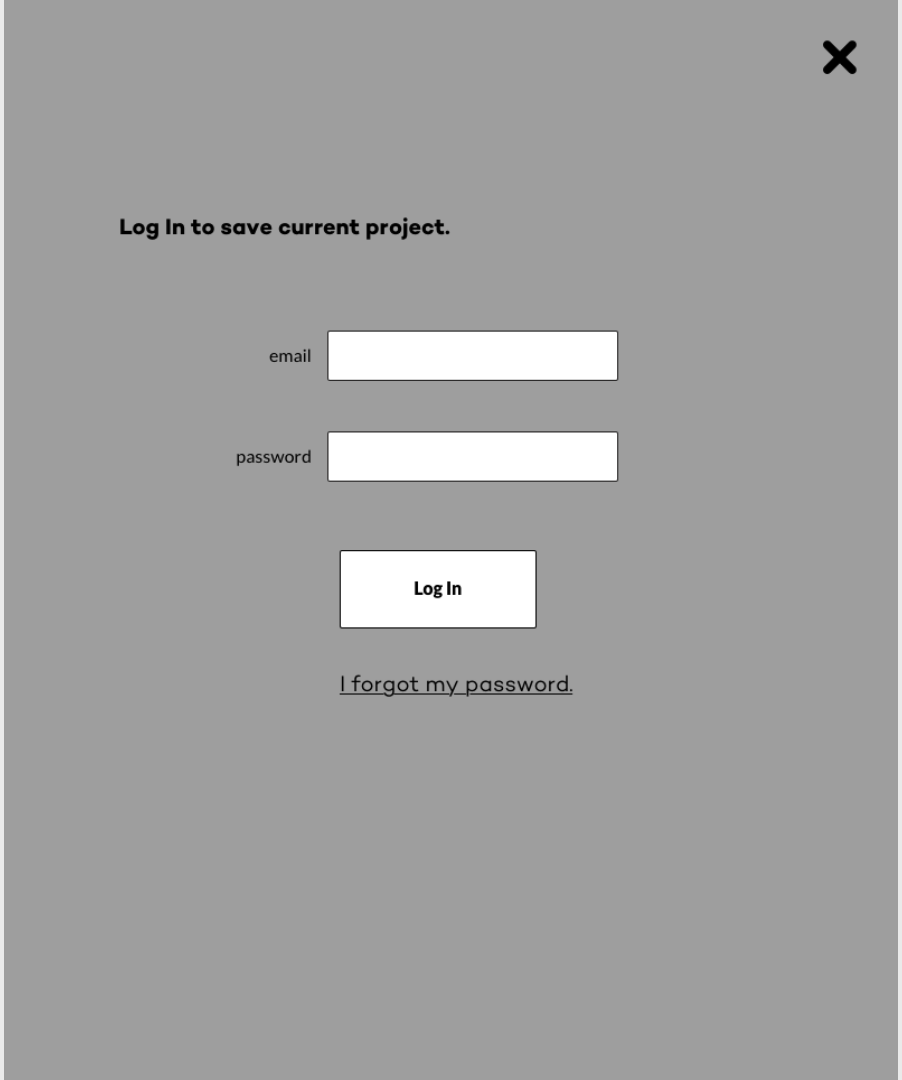
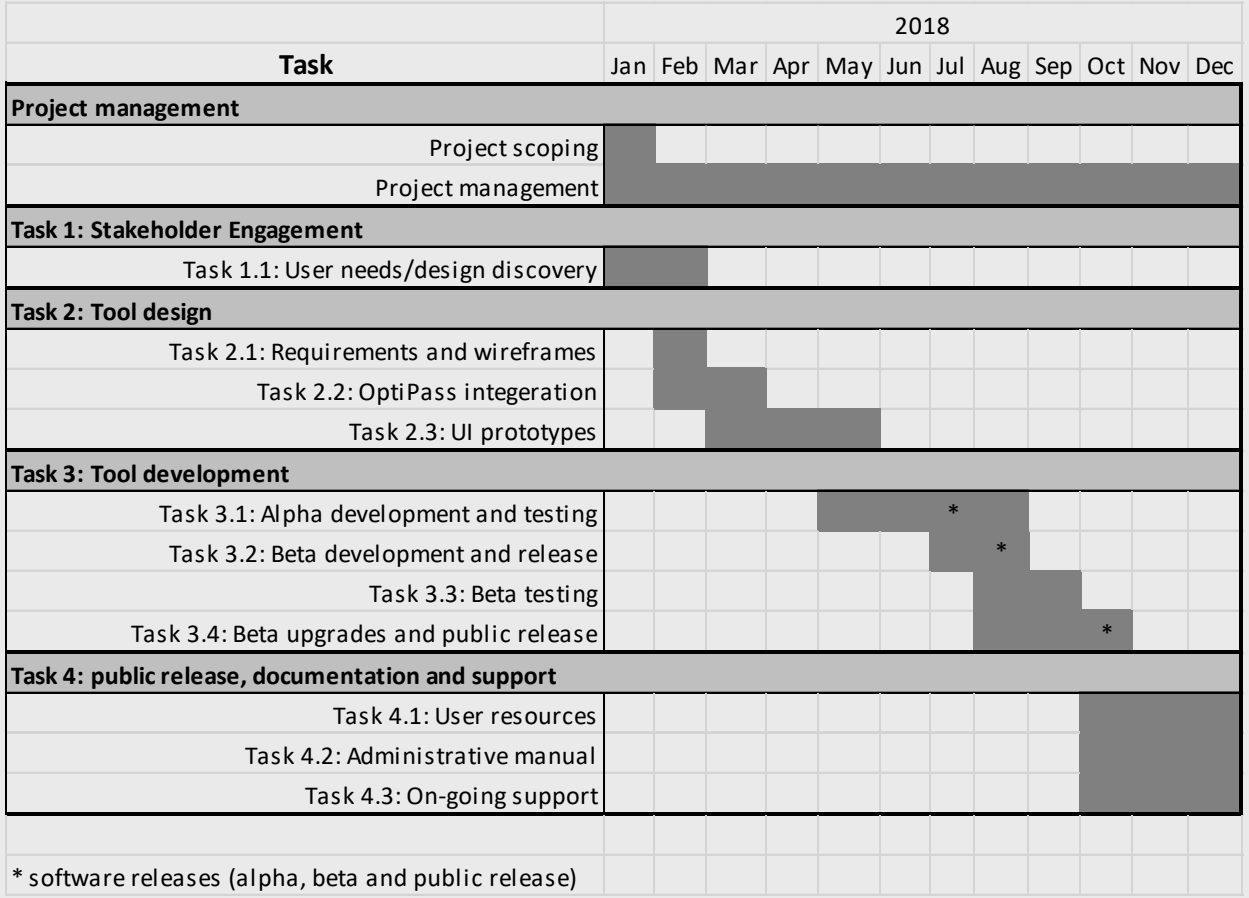
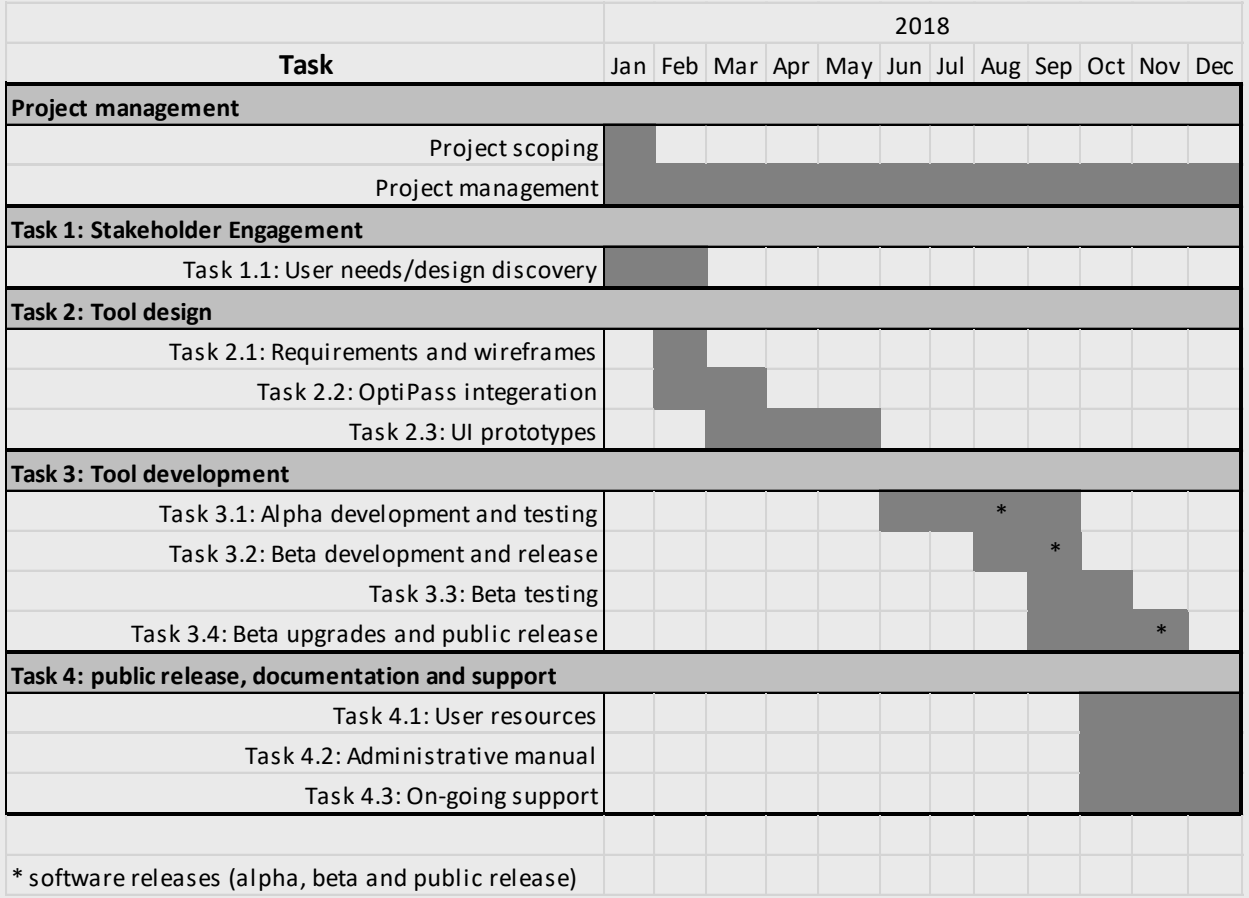


04 *Timeline*

Original timeline



Updated timeline



Thank you

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