

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

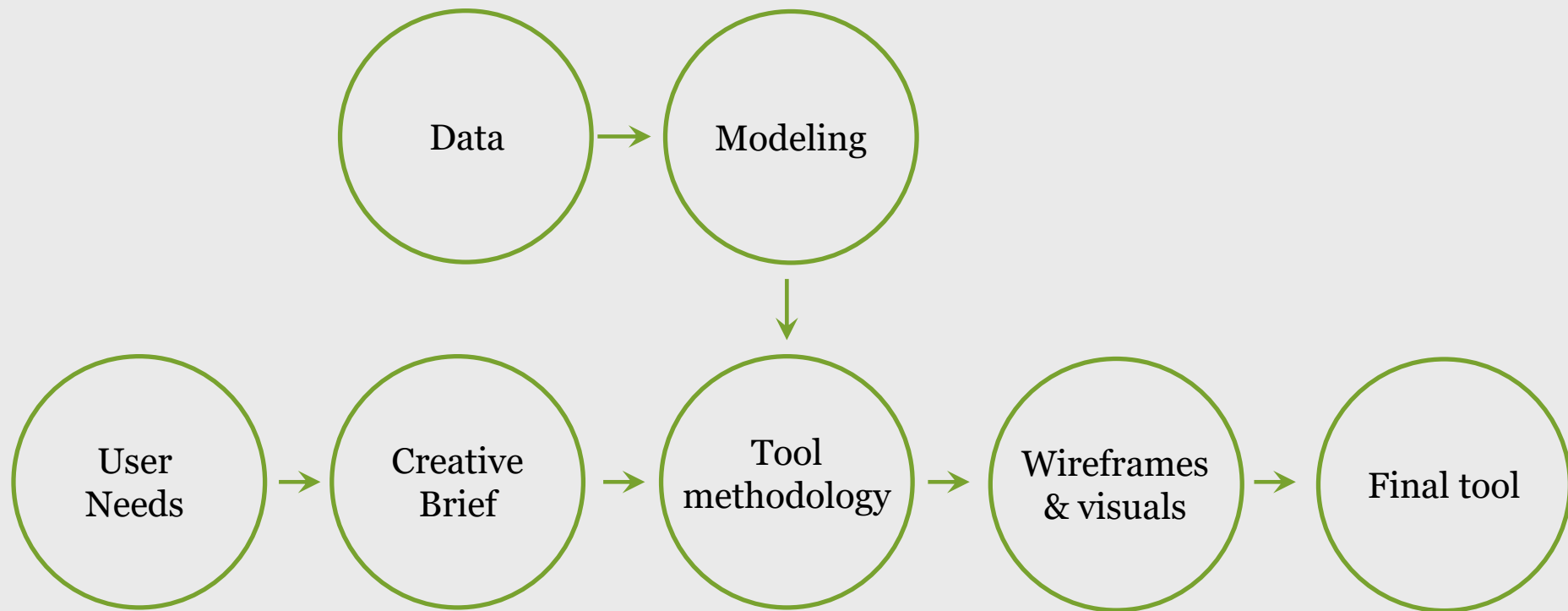


GOAL

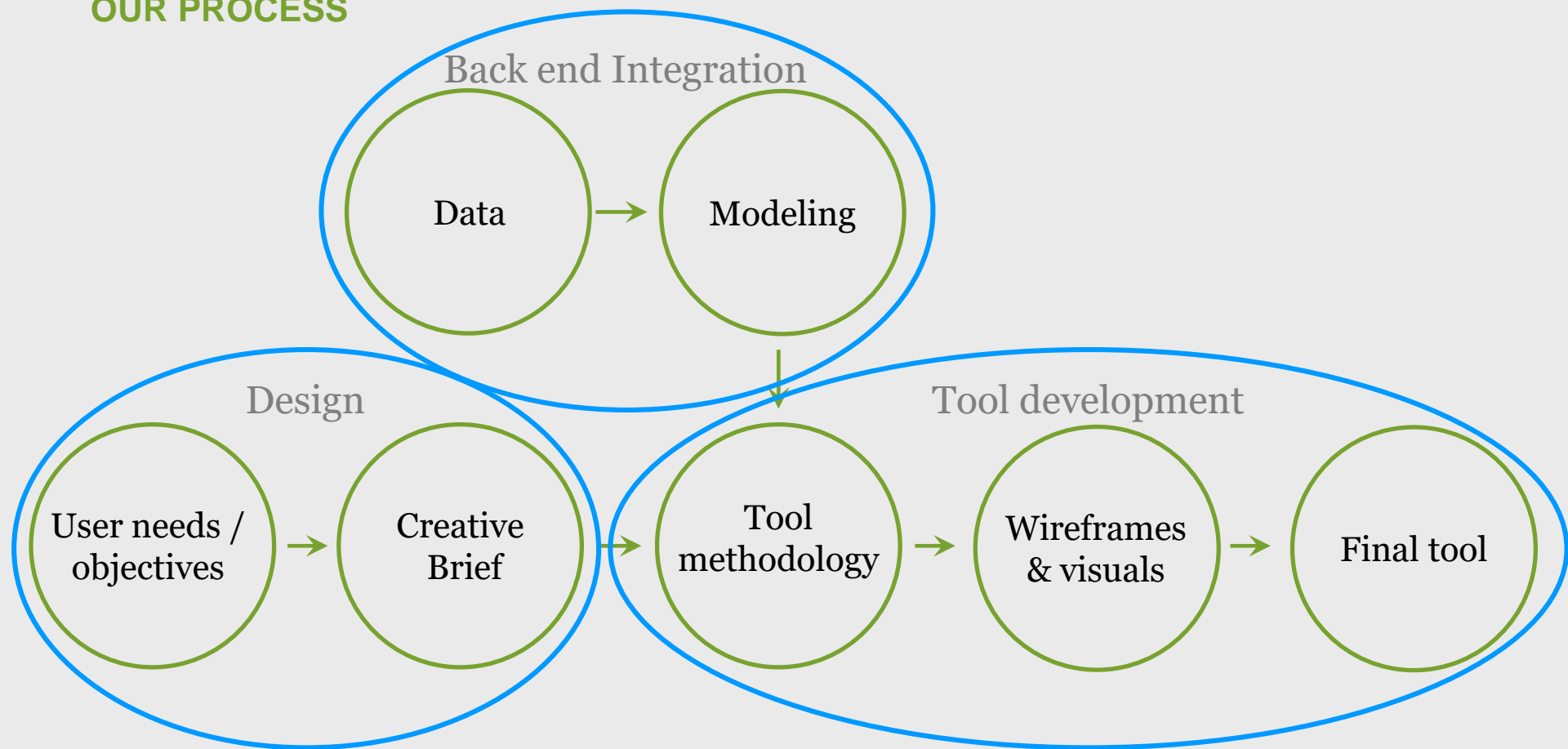
Develop a user-friendly web-based interface for Fish*PASS*, a fish barrier remediation prioritization decision support tool.

02 *Process*

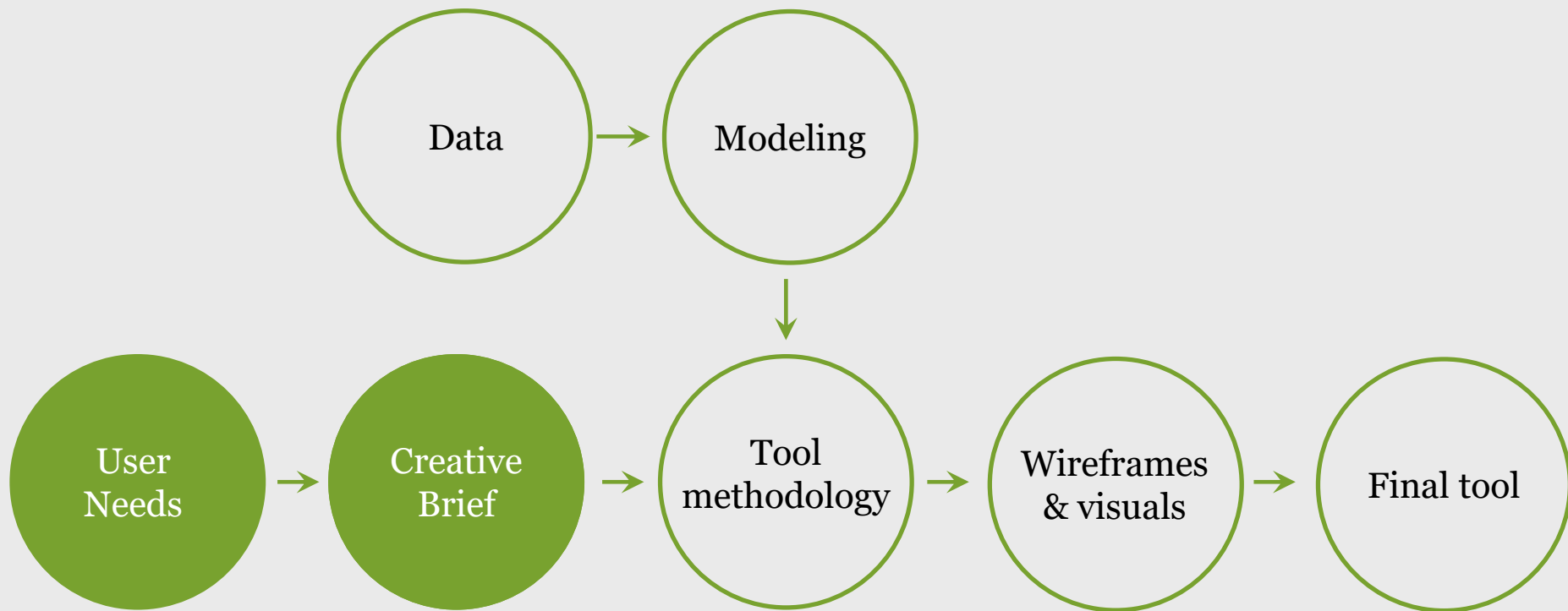
OUR PROCESS



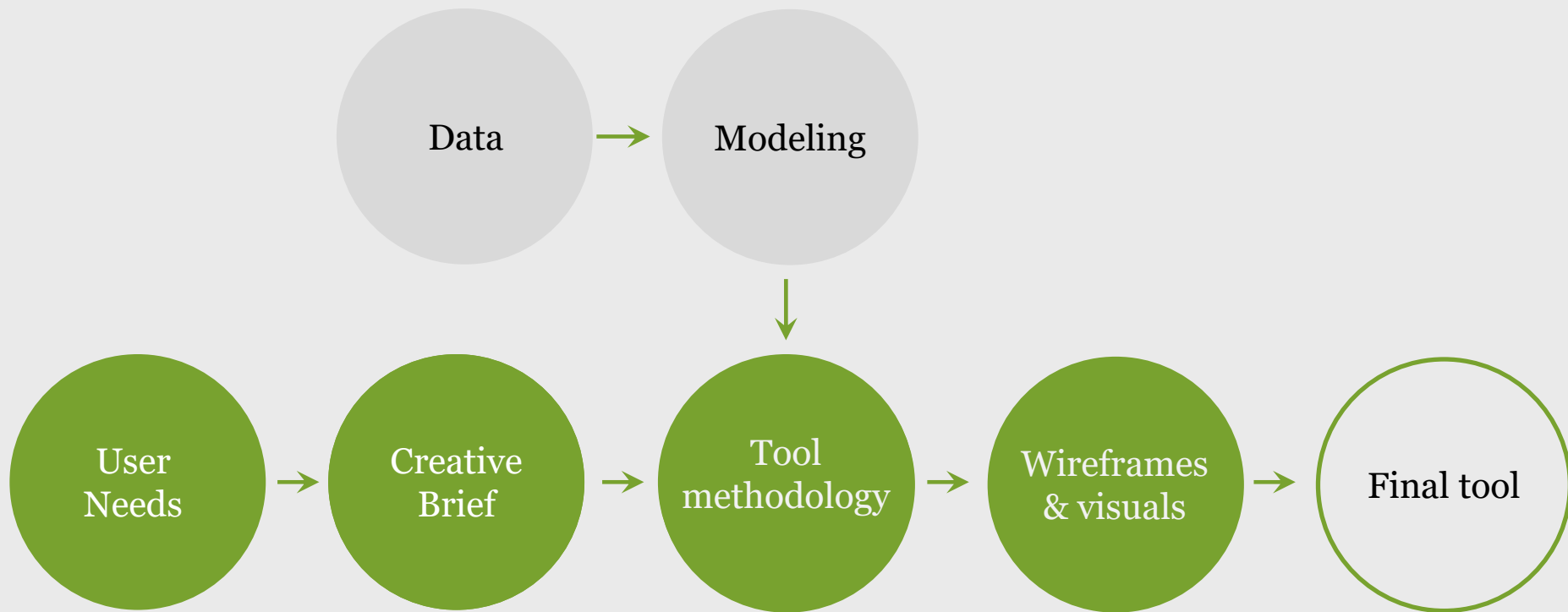
OUR PROCESS



LAST UPDATE

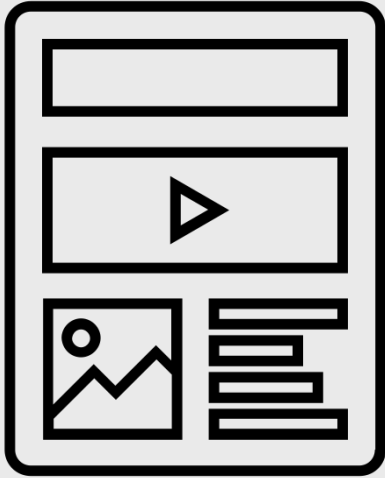


CURRENT STATUS



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.

Welcome!

Fish Pass is a tool designed to help filter and optimize fish barrier removal in accordance with chosen goals.

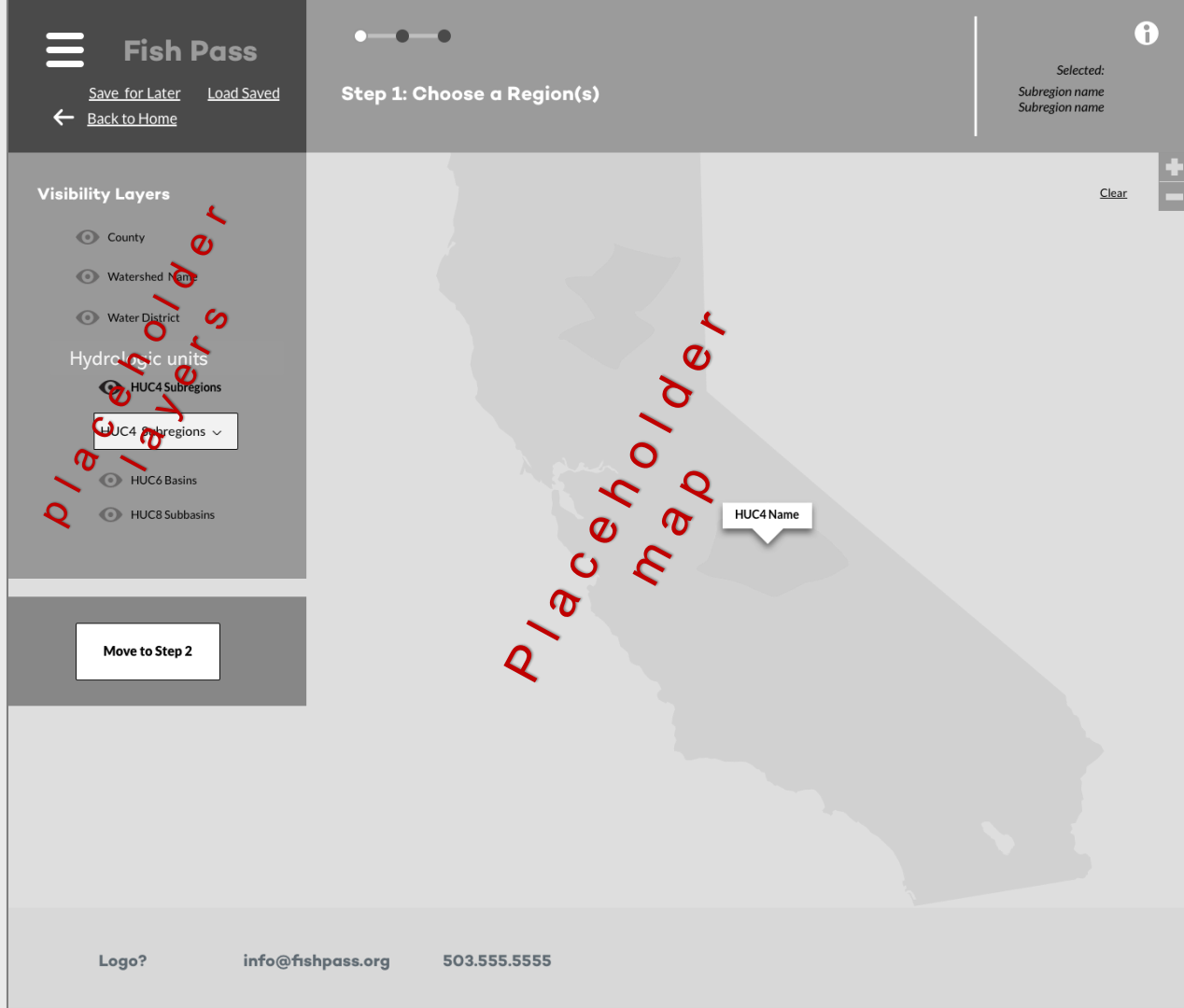
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Step 1: Choose a Region

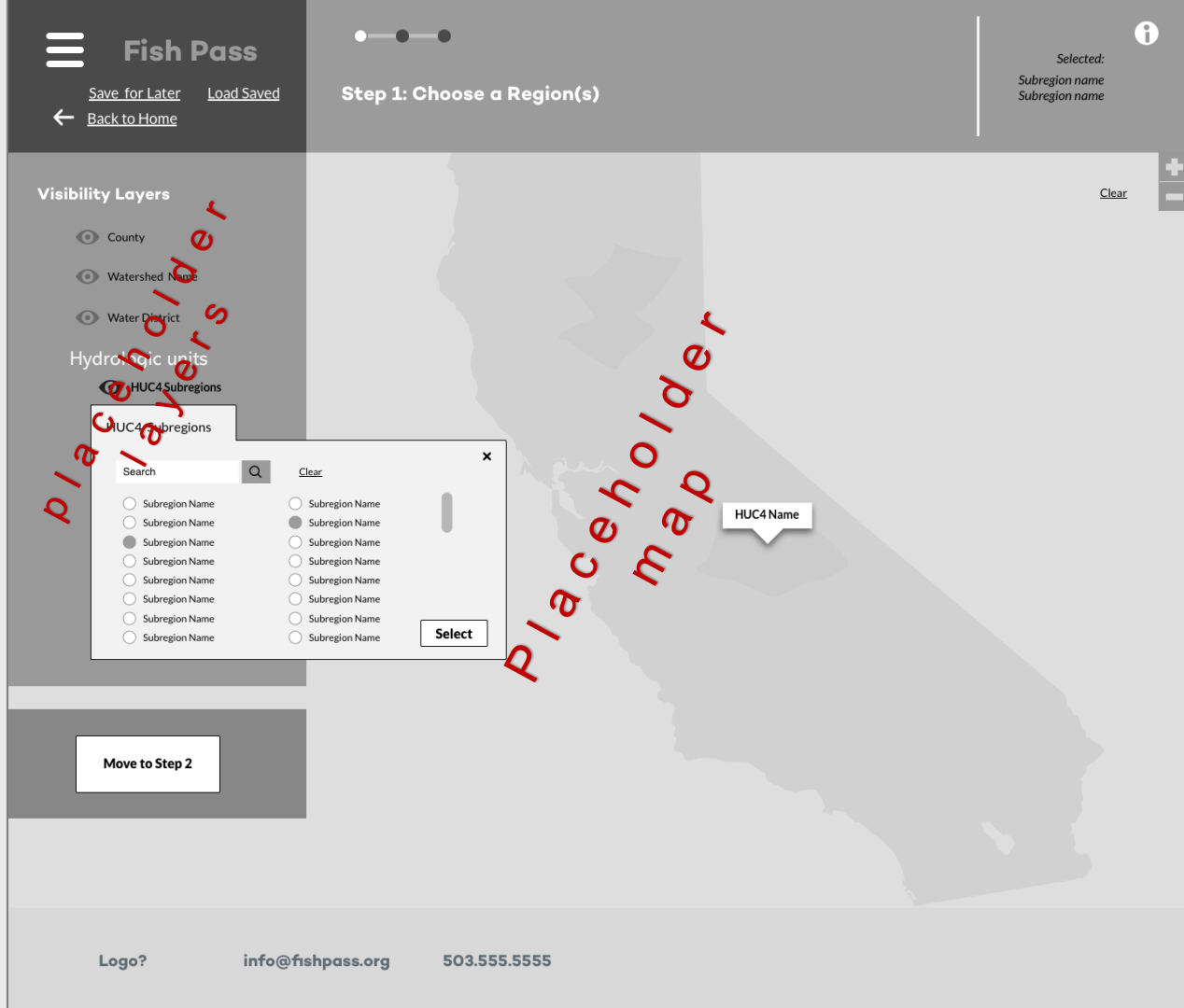
Start

[Load Saved](#)

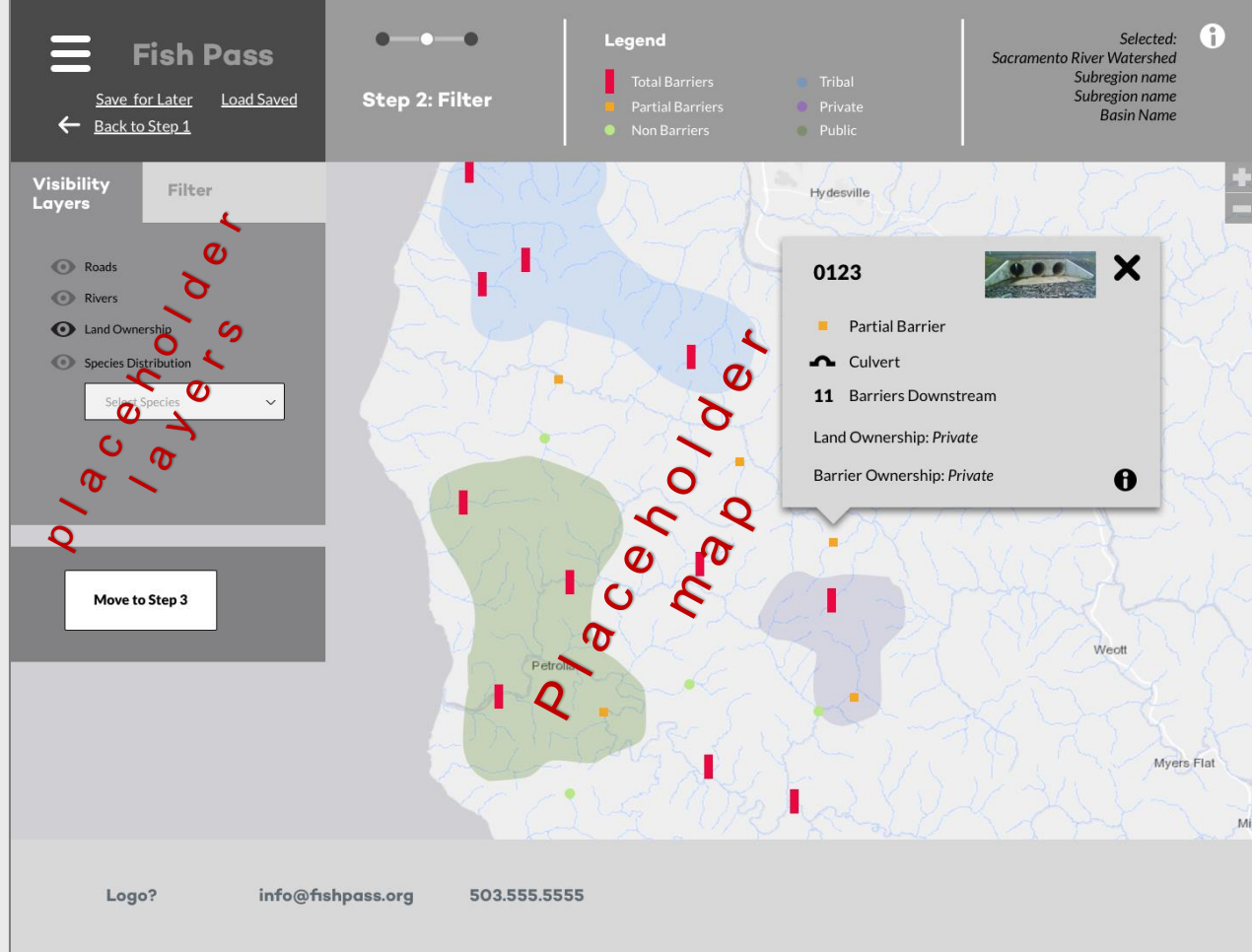
Wireframes: Step 1



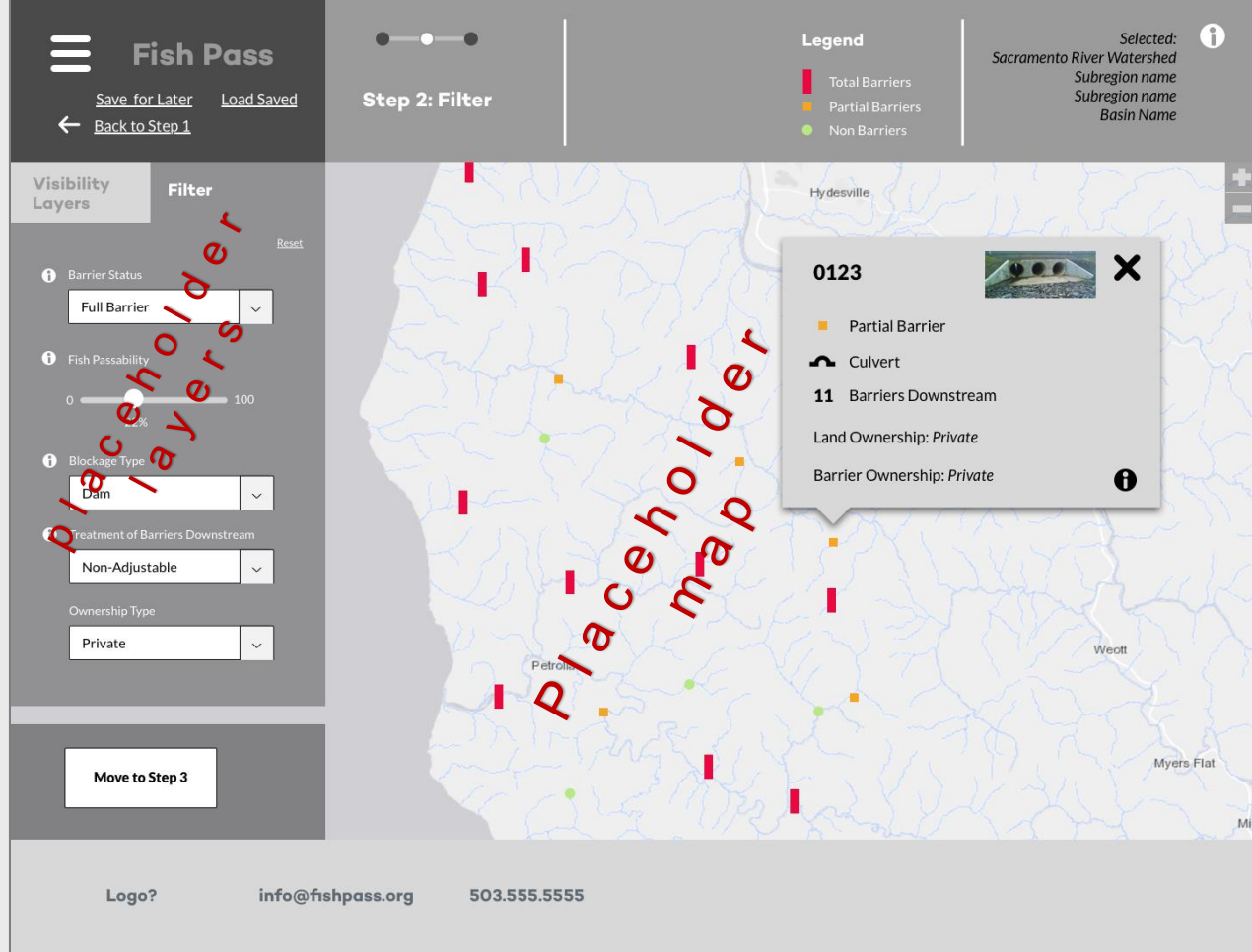
Wireframes: Step 1



Wireframes: Step 2



Wireframes: Step 2



Wireframes: Step 3

Fish Pass

[Save for Later](#)[Load Saved](#)

[← Back to Step 2](#)

Step 3:
Budget & Habitat Considerations

Selected:
Sacramento River Watershed
Subregion name
Subregion name
Basin Name

Budget Consideration

Specific Dollar Value

\$

OR

Budget Range

0

\$2,000

\$80,000

\$100,000

Increment

\$

Habitat Consideration

☐ Consider quality habitat

Run Optimization

Would resemble the Habitat Quantification option

Carlotta

Redcrest

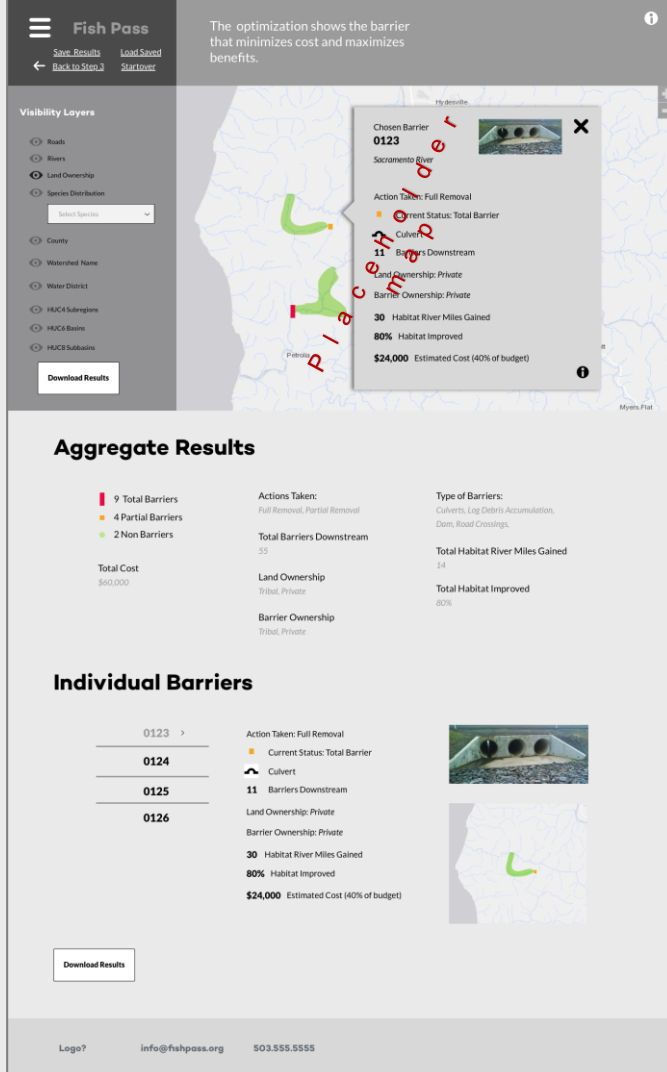
Westt

Logo?

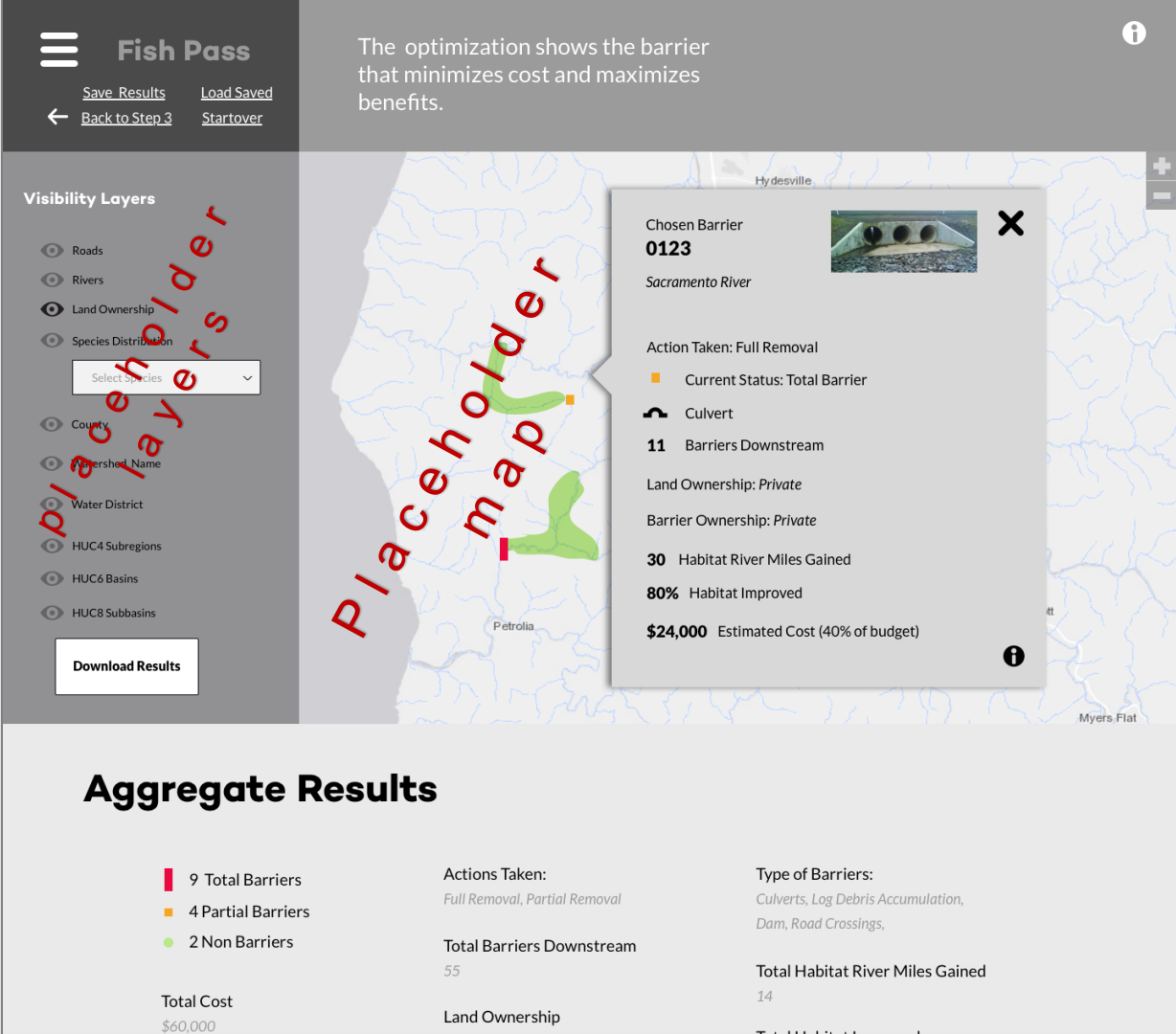
info@fishpass.org

503.555.5555

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

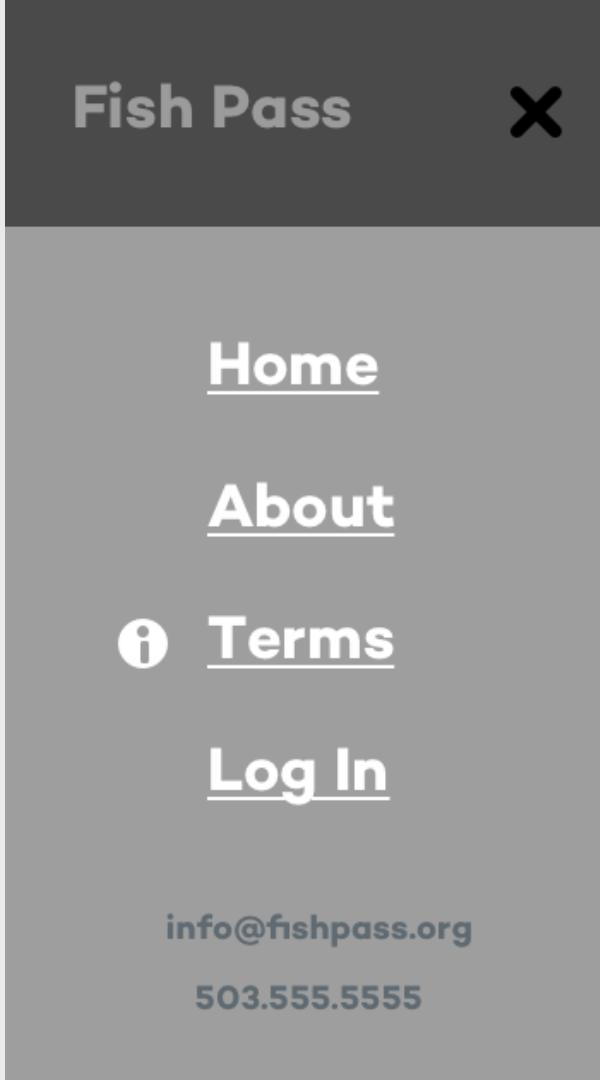
80% Habitat Improved

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



Download Results

Wireframes: functions





I'm a New User.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do

first name

last name

email

password

repeat password

Set up an Account

Wireframes: functions



Log In to save current project.

email

password

Log In

[I forgot my password.](#)

04 *Timeline*

Original timeline

		2018											
Task		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Project management													
	Project scoping												
	Project management												
Task 1: Stakeholder Engagement													
	Task 1.1: User needs/design discovery												
Task 2: Tool design													
	Task 2.1: Requirements and wireframes												
	Task 2.2: OptiPass integration												
	Task 2.3: UI prototypes												
Task 3: Tool development													
	Task 3.1: Alpha development and testing							*					
	Task 3.2: Beta development and release							*					
	Task 3.3: Beta testing												
	Task 3.4: Beta upgrades and public release										*		
Task 4: public release, documentation and support													
	Task 4.1: User resources												
	Task 4.2: Administrative manual												
	Task 4.3: On-going support												
* software releases (alpha, beta and public release)													

Updated timeline

		2018											
Task		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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	Project scoping												
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Thank you

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