

February 26, 2018

FISHPass testing

Beta testing URL

fishpass.ecotrust.org

Beta testing URL

This will not be the final, public URL.

Your beta testing data will not be transferred or saved.



Original tool

AutoSave Off Passage Barrier Data Portal v1.1... Jocelyn Tutak

File Home Insert Page Layout Formulas Data Review View Help Tell me

Paste Clipboard Font Alignment Number Styles Cells Editing

D3

 **OPTiPASS DATA** 



Home Page

[Admin](#)

Welcome to the **OptiPass Data Portal**. The portal is designed for:

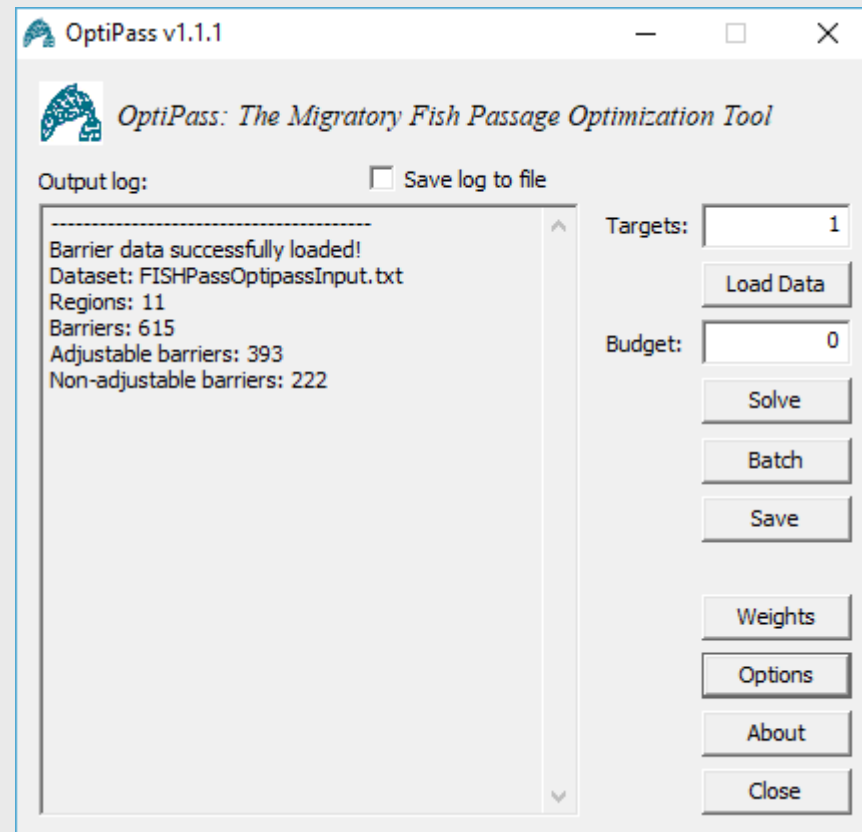
- 1) Generating formatted input files for OptiPass (*The Migratory Fish Passage Optimization Tool*) based on data contained in PAD (the *California Passage Assessment Database*); and
- 2) Summarizing results of OptiPass outputs for review and secondary analysis.

To continue, select either the [Pre-Process](#) button to generate an OptiPass input file or the [Post-Process](#) button to analyze an OptiPass output file.

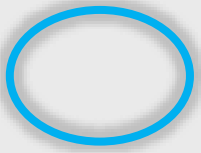
 Pre-Process  Post-Process

100%

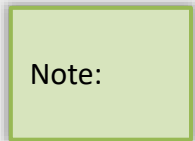
Original tool



Key to this document



Indicates where to click to follow along to the next page of this document.



These boxes are comments from Ecotrust in this PDF, and are not part of the tool.



These arrows are comments from Ecotrust in this PDF, and are not part of the tool.

login

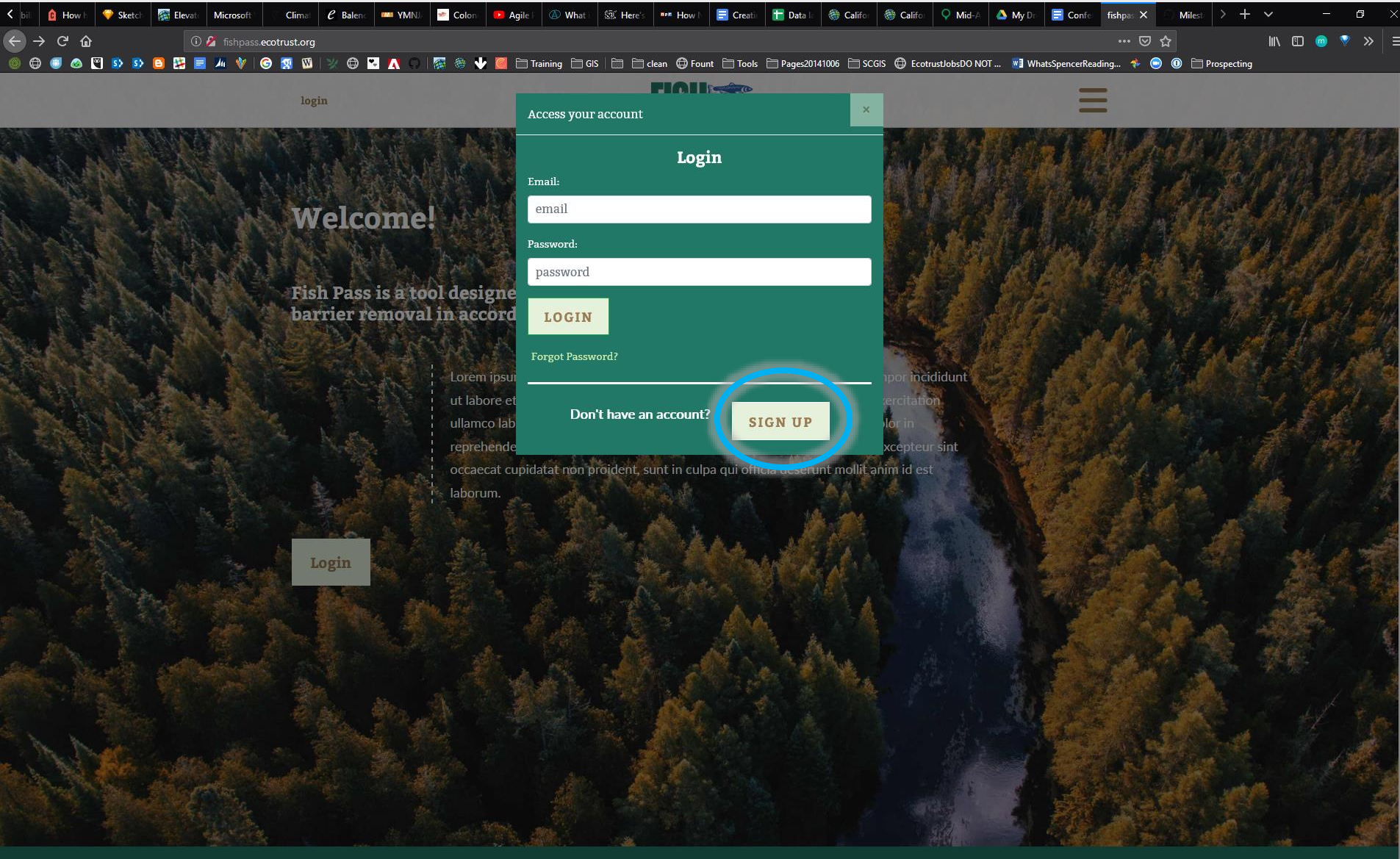


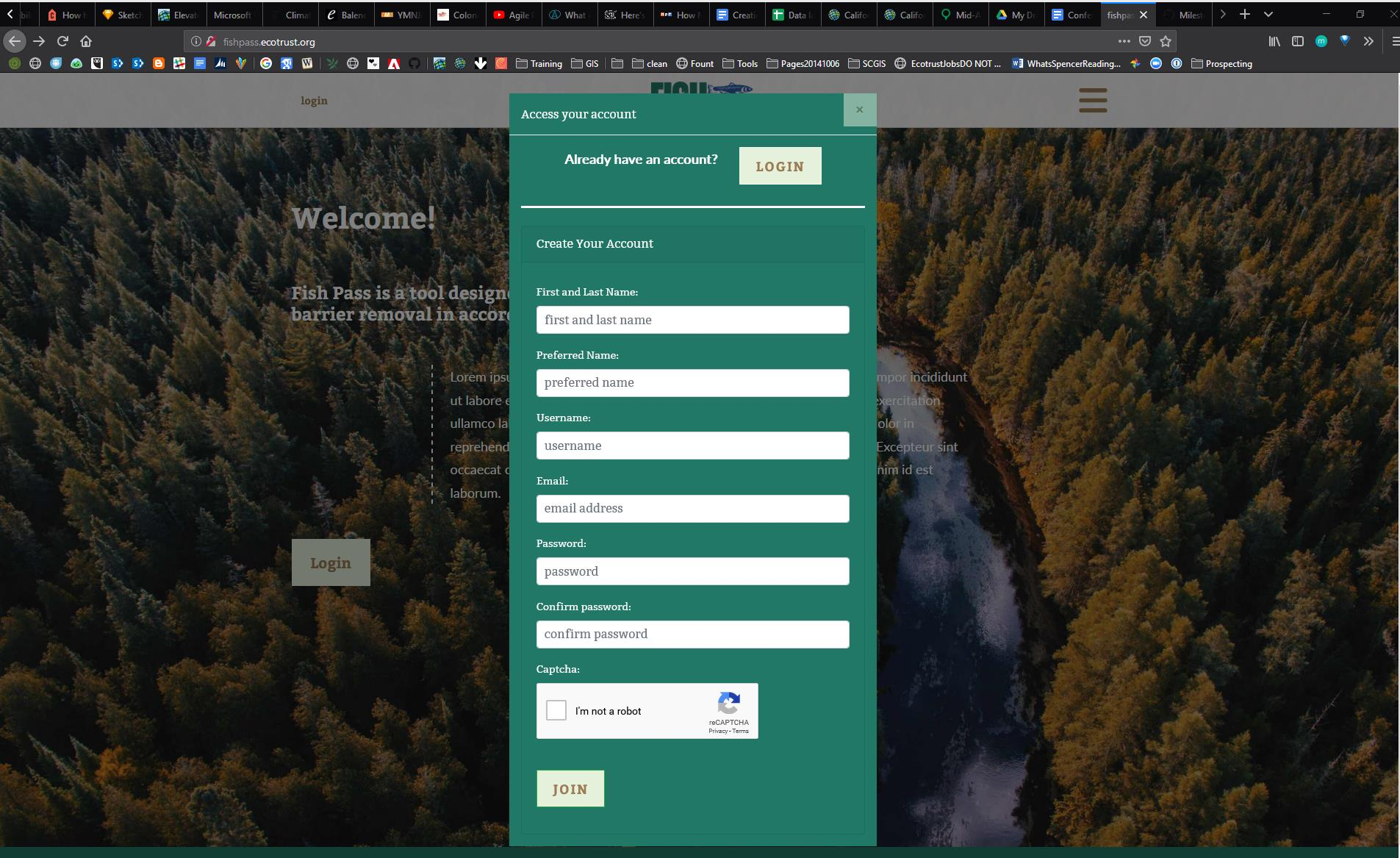
Welcome!

Fish Pass is a tool designed to help refine and optimize fish barrier removal in accordance with your 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.

Login





Main create account page

Welcome!

Fish Pass is a tool designed to help refine and optimize fish barrier removal in accordance with your 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.

→ [Launch App](#)



first & last name: Jocelyn Tutak
preferred name: Jocelyn
email address: jtutak@ecotrust.org

Edit my info Change my password
Go to the Django admin page

Note: Only users with admin privileges will see this button.

Welcome!

Fish Pass is a tool designed to help refine and optimize fish barrier removal in accordance with your 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.

→ Launch App

fishpass.ecotrust.org/app/

jetutak

fishpass

Create new

Name
jetutak - 09:41 02/22/2019

BEGIN

Load saved

Good morning - 09:30 02/22/2019		
Happy birthday, Oregon! - 13:58 02/14/2019		
JT Test 4pm 02/21/2019		
jetutak - 16:33 02/21/2019		

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

100 mi

To edit an existing run, click the pencil.

To delete an existing run, click the garbage can.

This field is auto-populated; to change it, click in field and type.

To see the results, click the name of the existing run.

Create new scenario or load saved scenario.

fishpass.ecotrust.org/app/

jetutak

fishpass

Create new

Name

jetutak - 09:41 02/22/2019

BEGIN

Load saved

Good morning - 09:30 02/22/2019		
Happy birthday, Oregon! - 13:58 02/14/2019		
JT Test 4pm 02/21/2019		
jetutak - 16:33 02/21/2019		

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This field is auto-populated; to change it, click in field and type.

Create new scenario or load saved scenario.

jetutak

Set Barrier Status | **Set Barrier Types**

Potential Mitigation Projects **4133**

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Spatial Focus

HUC8

Downstream Treatment

Non-adjustable

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Next >

<https://ecotrust-org.socialcast.com/stream/live>

FISH Pass

On this page a user selects a spatial focus – a unit of analysis from the drop-down menu on the left. Then, in the map on the right, the user selects the desired units.

Click a unit on the map once to select, again to deselect.

To clear the selection, choose a different spatial focus.

fishpass.ecotrust.org/app/

jetutak

Set Barrier Status **Set Barrier Types**

Potential Mitigation Projects **4133**

Edit 'Beta test - 13'

Select criteria to be considered in optimization ('non-adjustable'), or completely ignored ('excluded')?

Spatial Focus

HUC8

Downstream Treatment ⓘ

Non-adjustable

Reset

Next >

100 mi

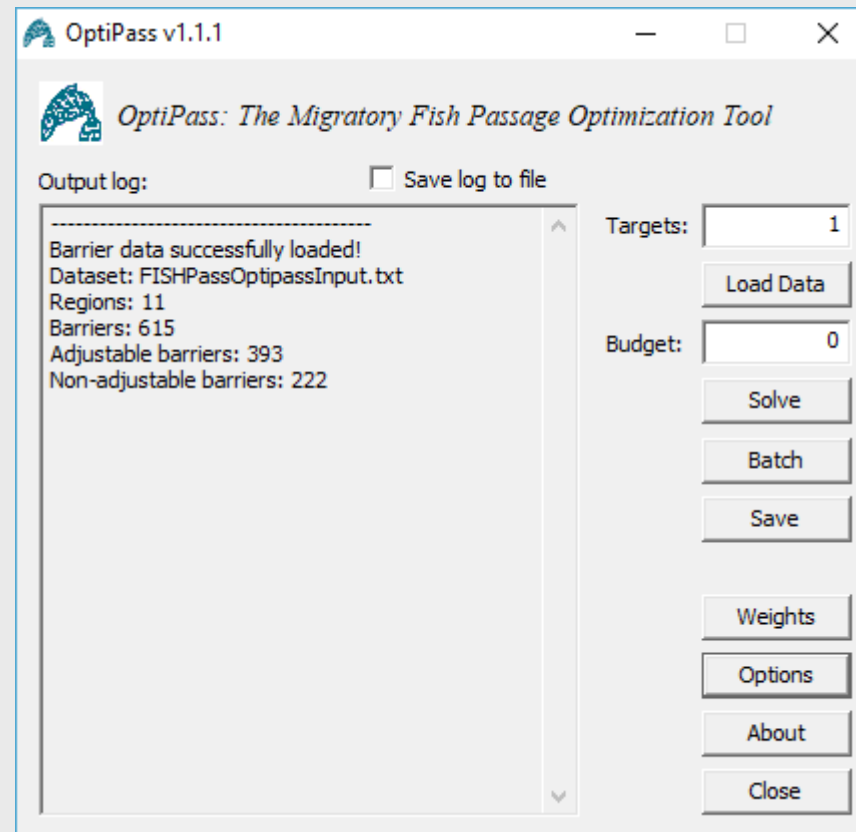
FISH Pass

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Step 1: Select downstream treatment options

Original tool



Step one inputs correspond to the options in the OptiPass executable "Options."

Original tool

Step one inputs are similar to the Spatial focus and Treatment of downstream barriers options in the OptiPass executable "Options."

Options: What-If Analysis

Spatial focus

Limit analysis to selected regions:

- ☒ Cow Creek
- ☒ Mad-Redwood
- ☒ San Francisco Bay
- ☒ San Francisco Coastal South
- ☒ San Joaquin Delta
- ☒ Santa Barbara Coastal
- ☒ Scott
- ☒ Shasta
- ☒ Smith
- ☒ Upper Calaveras California
- ☒ Ventura

Unselect All Select All

Treatment of downstream barriers:

Adjustable ?

OK Cancel

User-defined solution

Barrier ID: ?

Action: 0 Add

Add multiple barriers: Load File

Barrier list:

ID	Action	Cost
----	--------	------

Total cost: 0.00

Clear Clear All

fishpass.ecotrust.org/app/

jetutak

Set Barrier Status Set Barrier Types

Potential Mitigation Projects **4133**

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Spatial Focus

HUC8

Downstream Treatment ⓘ

Non-adjustable

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Next >

100 mi

Step 1: Set barrier passability

jetutak

Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 4133

Edit 'Beta test - 11:46 02/26 '2019'

Select criteria to filter your results

Spatial Focus

HUC8

Downstream Treatment ⓘ

Non-adjustable

Reset

Next >

Project Barrier Status

Total: 0

Partial: 0.5

Temporal: 0.5

Temporal & Total: 0.5

Temporal & Partial: 0.5

SUBMIT

RESET

Legend

Total Barrier

Partial Barrier

Other Barrier

User Edited

Map of the Western United States showing various geographical features and project locations. The map includes labels for states like Idaho, Utah, Nevada, California, Arizona, and New Mexico, as well as major cities like Boise, Salt Lake City, Las Vegas, Phoenix, and San Diego. The map also shows the Great Salt Lake, Snake River, and various mountain ranges like the Teton Range and Wind River Range.

“Barrier Status” will be updated to read “Set pre-mitigation passability”

OPTIPASS DATA PORTAL

“Set barrier passability” corresponds to the original tool, here.

the original Barrier Inputs

Restore

- Pre-Mitigation Passability

Barrier Status	?	Passability	?
Total		0.00	
Partial		0.50	
Temporal		0.50	
Temporal & Total		0.50	
Temporal & Partial		0.50	

Estimated costs

Cost Est.

?

- Focus Regions

☒ North Coast☒ Central Coast

?

☒ Central Valley☒ South Coast

Select All

☐ City☒ College or university☒ Private landowner - corporate☒ Private landowner - noncorporate☒ County☒ Public utility☒ Federal agency☒ Soil and water conservation district☒ Local agency☒ Sporting group☒ Multiple/mixed☒ State agency☒ NA☒ Tribe or tribal organization☒ Natural Resource Commission☒ Unknown☒ Other

● Sub-basins (HUC8)

jetutak

FISH Pass

Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 102

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Spatial Focus

HUC8

Downstream Treatment ⓘ

Non-adjustable

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Reset

Next >

Step 1: Units selected.

jetutak



Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 102

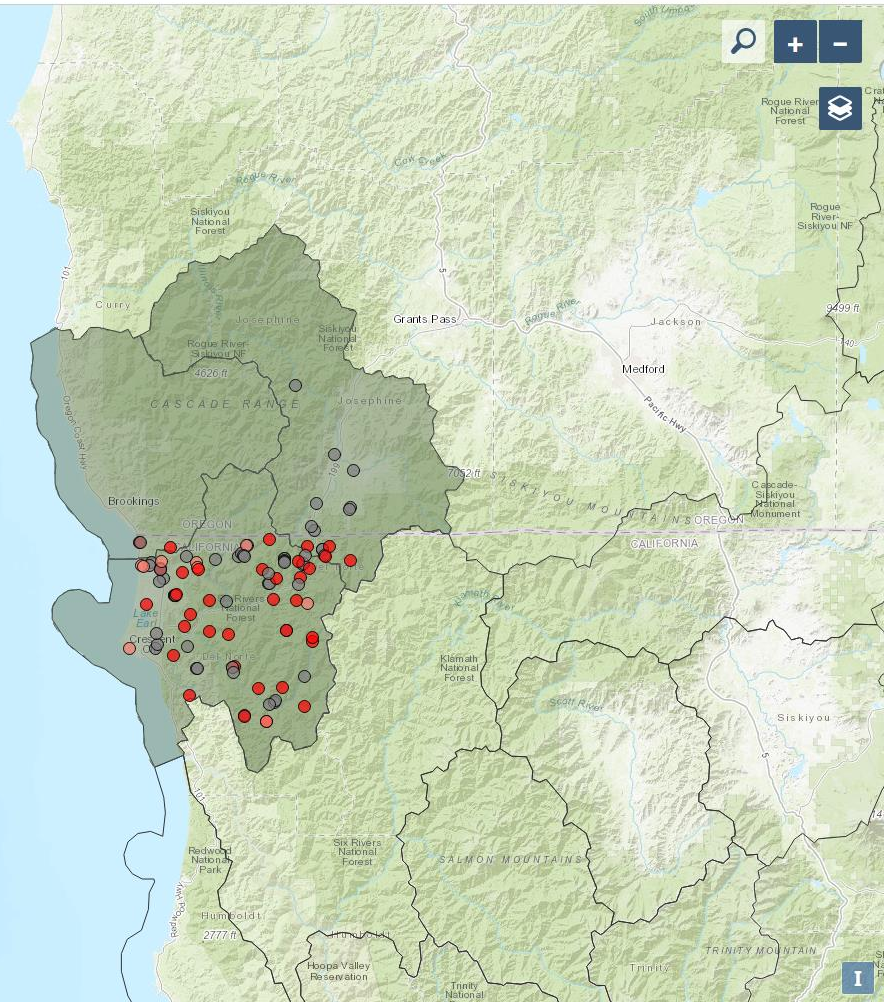
Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

☒ Filter By Ownership ⓘ

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited



Reset

< Previous

Next >

10 mi

Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 32

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

☒ Filter By Ownership ⓘ

- ☐ Unknown
- ☐ City
- ☐ College or university
- ☐ Conservation group
- ☐ County
- ☒ Federal agency
- ☐ Local agency
- ☐ Natural Resource Commission
- ☐ Primary or secondary school
- ☐ Private landowner - corporate
- ☐ Private landowner - noncorporate
- ☐ Public utility
- ☐ Soil and water conservation district
- ☐ Sporting group
- ☒ State agency
- ☐ Tribe or tribal organization
- ☐ Multiple/mixed
- ☐ NA
- ☐ Other

In this step, you can further filter barriers by ownership.

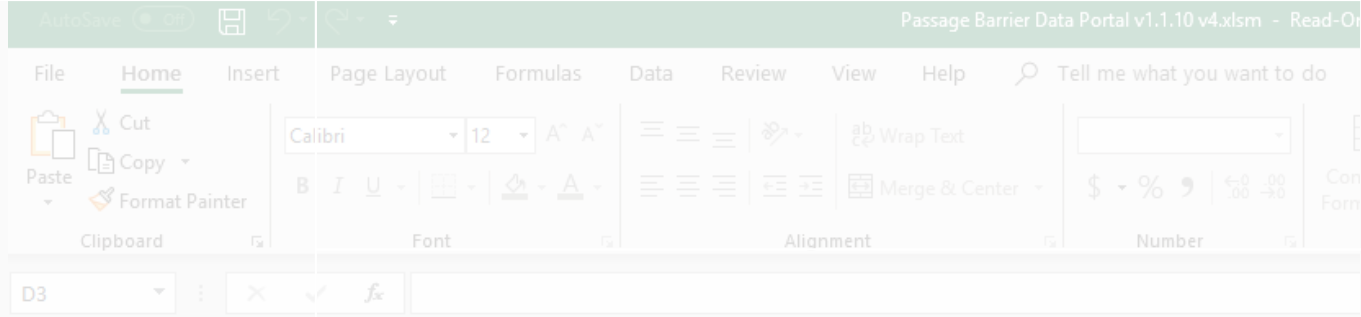
This list will likely change.

Reset

< Previous

Next >

Step 2: selecting ownership types as filters



OPTIPASS DATA PORTAL



“Filter by ownership”
corresponds to the original
process, here.

Barrier Inputs

Restore

Manual Input

Pre-Mitigation Passability

Barrier Status	?	Passability	?
Total		0.00	
Partial		0.50	
Temporal		0.50	
Temporal & Total		0.50	
Temporal & Partial		0.50	

Barrier Mitigation Costs

☒ Estimated costs

Cost Est.

?

☐ Unassigned costs

Focus Regions

☒ North Coast

☒ Central Coast

?

☒ Central Valley

☒ South Coast

Barrier Ownership Types

Select All

Unselect All

☒ City

☒ Primary or secondary school

☒ College or university

☒ Private landowner - corporate

☒ Conservation group

☒ Private landowner - noncorporate

☒ County

☒ Public utility

☒ Federal agency

☒ Soil and water conservation district

☒ Local agency

☒ Sporting group

☒ Multiple/mixed

☒ State agency

☒ NA

☒ Tribe or tribal organization

☒ Natural Resource Commission

☒ Unknown

☒ Other

Spatial Organization

☒ Sub-basins (HUC8)

☐ Sub-watersheds (HUC12)

?

☐ Watersheds (HUC10)

jetutak

FISH Pass

Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 32

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Filter By Ownership

☒ Unknown

☐ City

☐ College or university

☐ Conservation group

☒ County

☒ Federal agency

☐ Local agency

☐ Natural Resource Commission

☐ Primary or secondary school

☐ Private landowner - corporate

☐ Private landowner - noncorporate

☐ Public utility

☐ Soil and water conservation district

☐ Sporting group

☒ State agency

☐ Tribe or tribal organization

☐ Multiple/mixed

☐ NA

☐ Other

Reset

< Previous

Next >

Legend

Total Barrier

Partial Barrier

Other Barrier

User Edited

Clicking on an individual barrier in the map will bring up a new window.

fishpass.ecotrust.org/app/

jetutak

Set Barrier Status Set Barrier Types

Potential Mitigation Projects 32

Edit 'Beta demo - 14:19 02/26/2019'

Select criteria to filter your results

☒ Filter By Ownership ⓘ

- ☒ Unknown
- ☐ City
- ☐ College or university
- ☐ Conservation group
- ☒ County
- ☒ Federal agency
- ☐ Local agency
- ☐ Natural Resource Commission
- ☐ Primary or secondary school
- ☐ Private landowner - corporate
- ☐ Private landowner - noncorporate
- ☐ Public utility
- ☐ Soil and water conservation district
- ☐ Sporting group
- ☒ State agency
- ☐ Tribe or tribal organization
- ☐ Multiple/mixed
- ☐ NA
- ☐ Other

Reset

< Previous Next >

10 mi

Illinois Falls (Illinois River) - View in BIOS

Pre-Passability: 0.5

Post-Passability:

Estimated cost to mitigate:

Action: Consider for solution

SUBMIT RESET

By clicking on an individual barrier, you can edit its individual pre- and post-passability, estimated cost to mitigate, or force it in/out of the solution.

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Step 2: editing individual barriers

fishpass.ecotrust.org/app/

jetutak

Set Barrier Status Set Barrier Types

Potential Mitigation Projects 32

Edit 'Beta demo - 14:19 02/26/2019'

Select criteria to filter your results

☒ Filter By Ownership ⓘ

- ☐ Unknown
- ☐ City
- ☐ College or university
- ☐ Conservation group
- ☒ County
- ☒ Federal agency
- ☐ Local agency
- ☐ Natural Resource Commission
- ☐ Primary or secondary school
- ☐ Private landowner - corporate
- ☐ Private landowner - noncorporate
- ☐ Public utility
- ☐ Soil and water conservation district
- ☐ Sporting group
- ☒ State agency
- ☐ Tribe or tribal organization
- ☐ Multiple/mixed
- ☐ NA
- ☐ Other

Reset

< Previous Next >

10 mi

Illinois Falls (Illinois River) - View in BIOS

Pre-Passability: 0.5

Post-Passability:

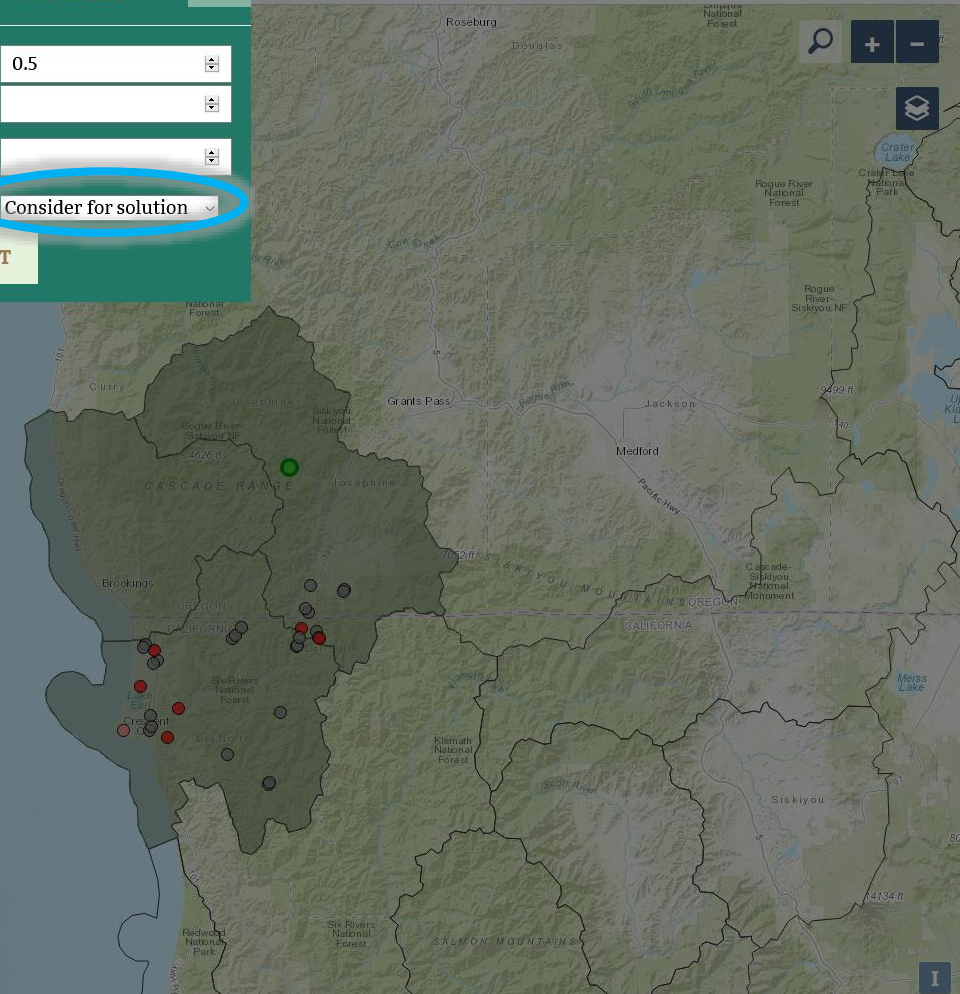
Estimated cost to mitigate:

Action: Consider for solution

SUBMIT RESET

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited



Step 2: editing individual barriers

fishpass.ecotrust.org/app/

jetutak

Set Barrier Status Set Barrier Types

Potential Mitigation Projects 32

Edit 'Beta demo - 14:19 02/26/2019'

Select criteria to filter your results

☒ Filter By Ownership ⓘ

- ☒ Unknown
- ☐ City
- ☐ College or university
- ☐ Conservation group
- ☒ County
- ☒ Federal agency
- ☐ Local agency
- ☐ Natural Resource Commission
- ☐ Primary or secondary school
- ☐ Private landowner - corporate
- ☐ Private landowner - noncorporate
- ☐ Public utility
- ☐ Soil and water conservation district
- ☐ Sporting group
- ☒ State agency
- ☐ Tribe or tribal organization
- ☐ Multiple/mixed
- ☐ NA
- ☐ Other

Reset

< Previous Next >

10 mi

Illinois Falls (Illinois River) - View in BIOS

Pre-Passability: 0.5

Post-Passability:

Estimated cost to mitigate:

Action: Consider for solution

SUBMIT RESE

Consider for solution

Include in solution

Exclude from solution

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Step 2: editing individual barriers

jetutak



Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 32

Edit 'Beta demo - 14:19 02/26/2019'

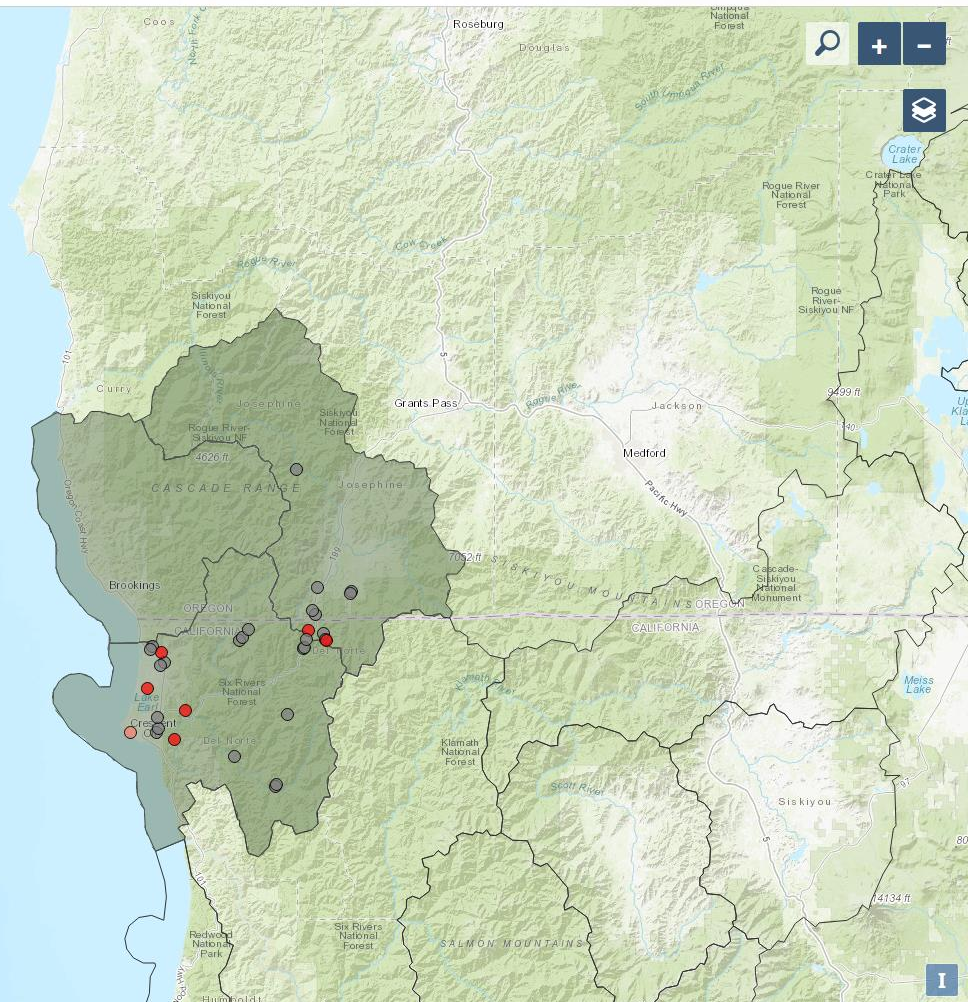
Select criteria to filter your results

☒ Filter By Ownership ⓘ

- ☒ Unknown
- ☐ City
- ☐ College or university
- ☐ Conservation group
- ☐ County
- ☒ Federal agency
- ☐ Local agency
- ☐ Natural Resource Commission
- ☐ Primary or secondary school
- ☐ Private landowner - corporate
- ☐ Private landowner - noncorporate
- ☐ Public utility
- ☐ Soil and water conservation district
- ☐ Sporting group
- ☒ State agency
- ☐ Tribe or tribal organization
- ☐ Multiple/mixed
- ☐ NA
- ☐ Other

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited



Reset

< Previous

Next >

10 mi

Step 2 to Step 3

Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 32

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Use Estimated Costs



Budget Type

Fixed Budget

Budget

\$ 230000

The language in this panel, above, will be updated to reflect that the budget input line can take either the financial budget OR the number of barriers to remove. To do this, you would uncheck "Use Estimated Costs."

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

In this step, you can set budget considerations for the tool.

The "Budget Type" drop down allows you to choose between a fixed budget, or a ranged budget.

Reset

< Previous

Next >

10 mi

jetutak



Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 32

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Use Estimated Costs ⓘ



Budget Type ⓘ

Ranged Budget

Budget min

\$ 20000

Budget max

\$ 100000

Increment

10000

There is a 10-run maximum limit for ranged budget runs – your increment value must result in 10 or fewer runs.

Legend

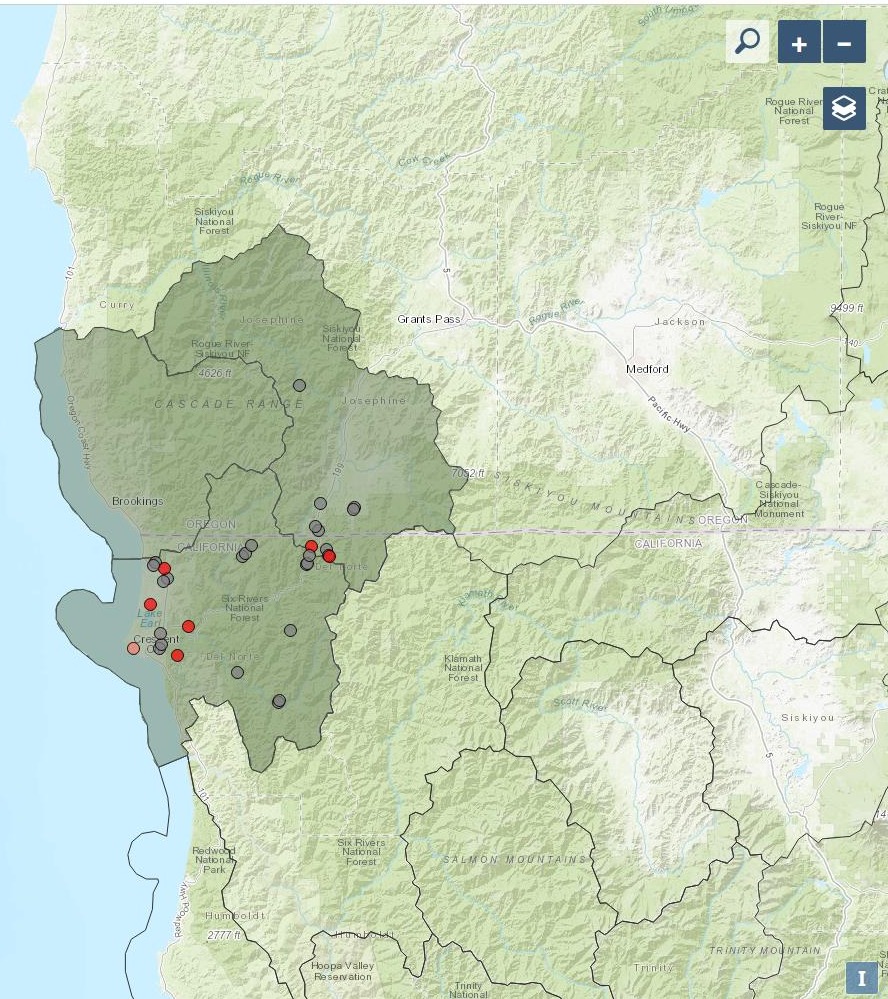
- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Reset

< Previous

Next >


10 mi



Step 3: budget considerations

Ranged budget corresponds with the “Batch” functionality of the original approach.

OptiPass v1.1.1

 *OptiPass: The Migratory Fish Passage Optimization Tool*

Output log: ☐ Save log to file

Barrier data successfully loaded
Dataset: FISHPassOpt
Regions: 11
Barriers: 615
Adjustable barriers: 3
Non-adjustable barriers: 584

Targets:
Load Data
Budget:
Solve
Batch
Save
Weights
Options
About
Close

Batch Solve

Budget range

Lower limit:
Upper limit:
Increment:
Solve Cancel

fishpass.ecotrust.org/app/

jetutak

Set Barrier Status **Set Barrier Types**

Potential Mitigation Projects 32

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Use Estimated Costs ⓘ

☒

Budget Type ⓘ

Fixed Budget

Budget

\$ 230000

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Reset

< Previous Next >

10 mi

Step 3: Setting barrier costs and passability by type

fishpass.ecotrust.org/app/

jetutak

Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 4133

Edit 'Beta test - 11:46 02/26/2019'

Select criteria to filter your results

Spatial Focus

HUC8

Downstream Treatment ⓘ

Non-adjustable

Legend

Reset

Next >

100 mi

Project Barrier Type

Barrier Type	Cost	Post-Passability
Non-structural:		
Unknown:	95000	1
Log Debris Accumulations:		1
Dam:		1
Road crossing:		1
Grade control:	85000	1
Flood control channel:	1365000	1
Flow measurement weir:	70000	1
Tidegate:	20000	1
Fish passage facility:		1
Fish Trap:	70000	1
Utility crossing:	111000	1
Gravel/borrow pit:		
Diversion:	275000	1
Other:	90000	1
Road Crossing:		1
Culvert:		1
Fish trap:		1
dirt road:		1

SUBMIT

RESET

In this step, you can set the barrier cost and post-passability by barrier type.

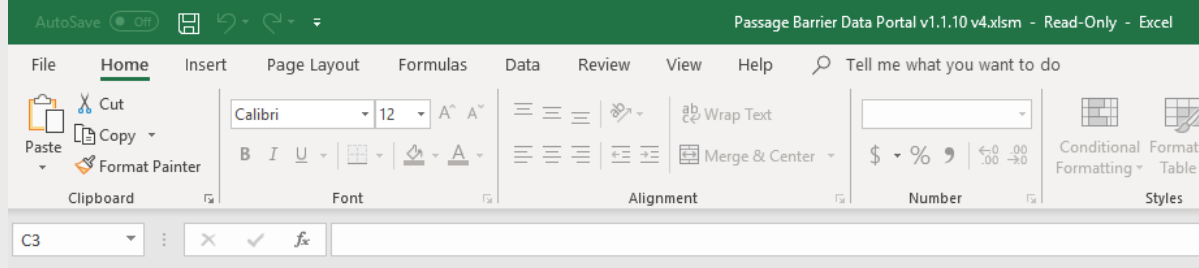
This step can be undertaken any time in the tool process.

"Barrier Types" will be changed to "Barrier Mitigation Cost" (or similar language, depending on space availability.)

Step 3: Setting barrier costs and passability by type



This corresponds with the barrier mitigation costs portion of the original approach.



OPTIPASS DATA PORTAL



Default Cost & Post-Passability Estimates

Restore

Note to user: A value of 'Barrier Specific' for "Mitigation Cost" signifies for a given class of barriers that each barrier's cost estimate has been derived based on its structural characteristics (e.g., height, road class, etc.). Note, "unscreened diversions" are not currently included within PAD.

A value of 'NA' for "Mitigation Cost" signifies that a barrier type cannot be mitigated under any circumstances. As a general rule, a "Non-structural" barrier (i.e., natural barrier) should have a cost value 'NA' assigned to it.

Assuming a barrier can be mitigated (i.e., cost not equal to 'NA'), "Post Passability" specifies the level of passability after mitigation is carried out. Normally, passability is assumed to be 1.00 after mitigation occurs, though the default value can be changed.

Barrier Type	Mitigation Cost	Post Passability
Non-structural	NA	NA
Unknown	\$95,000	1.00
Log Debris Accumulations	Barrier Specific	1.00
Dam	Barrier Specific	1.00
Road crossing	Barrier Specific	1.00
Grade control	\$85,000	1.00
Flood control channel	\$1,365,000	1.00
Flow measurement weir	\$70,000	1.00
Tidegate	\$20,000	1.00
Fish passage facility	Barrier Specific	1.00
Fish trap	\$70,000	1.00
Utility crossing	\$115,000	1.00
Gravel/borrow pit	NA	NA
Diversion	\$275,000	1.00
Other	\$90,000	1.00

jetutak

FISH Pass

Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 32

Edit 'Run #91015 - 09:41 02/22/2019'

Select criteria to filter your results

Use Estimated Costs ⓘ
☒

Budget Type ⓘ
Fixed Budget

Budget
\$ 230000

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Reset

< Previous

Next >

10 mi

jetutak



Set Barrier Status

Set Barrier Types

Potential Mitigation Projects 32

Edit 'Beta demo - 14:19 02/26/2019'

Provide a Name to identify your Grid Filtering design

Beta demo - 14:19 02/26/2019

Optionally, you may add a Description

Excluded PADID #759078. Changed culvert mitigation cost to \$75,000.

You can change the name of your run here. It is auto-populated with your user name, and the time and date the run was started.

The tool output does not currently capture all of the inputs a user is capable of setting. While your saved run will retain these inputs, having them documented in your description will help to serve as an added reminder, and may be added to the results section in the future.

Legend

- Total Barrier
- Partial Barrier
- Other Barrier
- User Edited

Reset

< Previous

Save

10 mi

jetutak



JT Test 4pm 02/21/2019

Test run on Thursday afternoon

Download Full Results

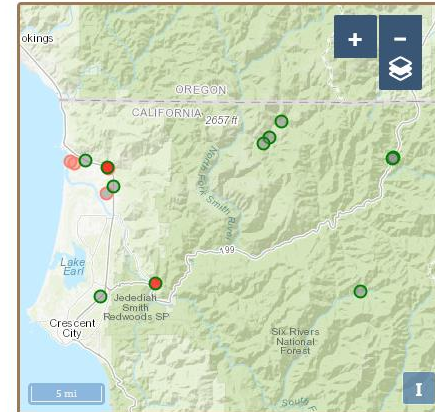
Download Filtered Results

Barriers Treated 11
Total Estimated Cost \$4,820,000
Potential Habitat 19.12 mi

Total Barriers 15
Budget \$4,820,000
Potential Habitat Gain (Weighted) 10.32 mi

Toggle Column Visibility

Total Partial Other Treated Untreated Selected



Search:

Site Name	PAD ID	View in BIOS	Action	Estimated Cost
culvert	707900	link	Treat	\$230,000
culvert	707868	link	Treat	\$230,000
culvert	707891	link	Treat	\$230,000
culvert	707872	link	Treat	\$230,000
Culvert 110621	721148	link	Do not treat	NA
Culvert Hwy 101	707133	link	Treat	\$275,000
Culvert Hwy 101	707134	link	Treat	\$700,000
Culvert Hwy 197	707144	link	Treat	\$275,000
Culvert Hwy 199	707136	link	Treat	\$275,000
Culvert Hwy 199 with ladder	707137	link	Treat	\$700,000



JT Test 4pm 02/21/2019

Test run on Thursday afternoon

Download Full Results

Download Filtered Results

Barriers Treated
11

Total Estimated Cost
\$4,820,000

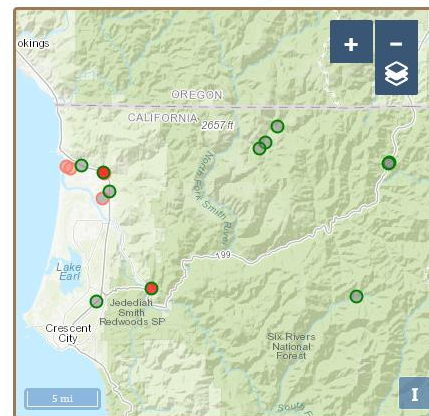
Potential Habitat
19.12 mi

Total Barriers
15

Budget
\$4,820,000

Potential Habitat
Gain (Weighted)
10.32 mi

☒ Total
 ☐ Partial
 ☐ Other
 ☒ Treated
 ☐ Untreated
 ☐ Selected



Toggle Column Visibility

Site Name	PAD ID	View In BIOS	Action	Potential Habitat	Estimated Cost	Barriers Downstream	Site Type
Stream Name	Tributary To	Watershed	County	Image	Coordinates		

Search:

Click on these buttons to add/remove columns from the results below.

Site Name	PAD ID	View in BIOS	Action	Estimated Cost
culvert	707900	link	Treat	\$230,000
culvert	707868	link	Treat	\$230,000
culvert	707891	link	Treat	\$230,000
culvert	707872	link	Treat	\$230,000
Culvert 110621	721148	link	Do not treat	NA
Culvert Hwy 101	707133	link	Treat	\$275,000
Culvert Hwy 101	707134	link	Treat	\$700,000
Culvert Hwy 197	707144	link	Treat	\$275,000

You may move the columns by clicking and dragging the column headers.

Clicking on the column headers will reorder the table based on that column.



Tributary To

Watershed

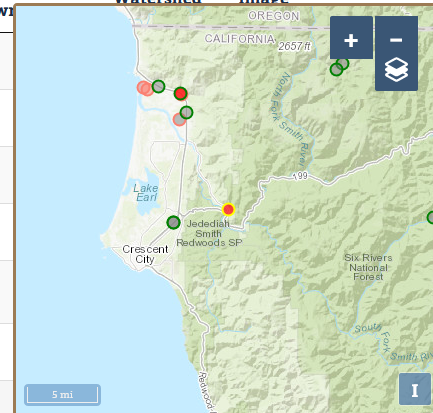
County



Search:



Action	PAD ID	Site Name	View in BIOS	Total Estimated Cost	Partial	Other watersheds	Treated image	Untreated	Selected
Treat	707900	culvert	link	\$230,000	0				
Treat	707868	culvert	link	\$230,000	0				
Treat	707891	culvert	link	\$230,000	0				
Treat	707872	culvert	link	\$230,000	0				
Treat	707133	Culvert Hwy 101	link	\$275,000	1				
Treat	707134	Culvert Hwy 101	link	\$700,000	1				
Treat	707144	Culvert Hwy 197	link	\$275,000	0				
Treat	707136	Culvert Hwy 199	link	\$275,000	0	Smith			
Treat	707137	Culvert Hwy 199 with ladder	link	\$700,000	0	Smith			
Treat	716746	Highway 101 - Concrete Box Culvert	link	\$1,400,000	0	Smith			
Treat	707135	Hwy 101 - Concrete Box Culvert	link	\$275,000	2	Smith			
Do not treat	721148	Culvert 110621	link	NA	0	Smith			
Do not treat	721903	Dam 111388 (Dominie Weir)	link	NA	0	Smith			
Do not treat	759946	Tide Gate	link	NA	0	Smith			
Do not treat	759947	Tide Gate	link	NA	1	Smith			



The map will stay in place as you scroll down the table.

Hovering over a row will highlight it on the map.



Tributary To

Watershed

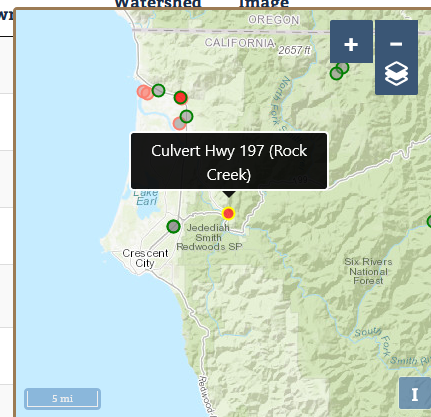
County



Search:



Action	PAD ID	Site Name	View in BIOS	Total Estimated Cost	Partial	Other watersheds	Treated image	Untreated	Selected
Treat	707900	culvert	link	\$230,000	0				
Treat	707868	culvert	link	\$230,000	0				
Treat	707891	culvert	link	\$230,000	0				
Treat	707872	culvert	link	\$230,000	0				
Treat	707133	Culvert Hwy 101	link	\$275,000	1				
Treat	707134	Culvert Hwy 101	link	\$700,000	1				
Treat	707144	Culvert Hwy 197	link	\$275,000	0				
Treat	707136	Culvert Hwy 199	link	\$275,000	0	Smith			
Treat	707137	Culvert Hwy 199 with ladder	link	\$700,000	0	Smith			
Treat	716746	Highway 101 - Concrete Box Culvert	link	\$1,400,000	0	Smith			
Treat	707135	Hwy 101 - Concrete Box Culvert	link	\$275,000	2	Smith			
Do not treat	721148	Culvert 110621	link	NA	0	Smith			
Do not treat	721903	Dam 111388 (Dominie Weir)	link	NA	0	Smith			
Do not treat	759946	Tide Gate	link	NA	0	Smith			
Do not treat	759947	Tide Gate	link	NA	1	Smith			



Hovering over a point on the map will show a pop-up.

Test run on T

And clicking on a point will limit the table to that point only.

To bring back the full table, delete the number in the Search Box.

Barriers Treated To bring back the full Total E

11

Total Barriers

15

Budget

\$4,820,000

Results

Major upcoming work

- Documentation
- Map layers and symbology
- Additional directions & info button text

Beta testing feedback

<http://bit.ly/fishpassbeta>

2/25 – 3/11

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