

Inanga Spawning Areas

Identifying and protecting
key locations in Tairāwhiti





GDC

Hans Rook

Landowners

Local
volunteers

DOC

Ngai Tamanuhiri

TEC

Rongowhakaata

Eco Works

MfE

Figure out the tidal delay



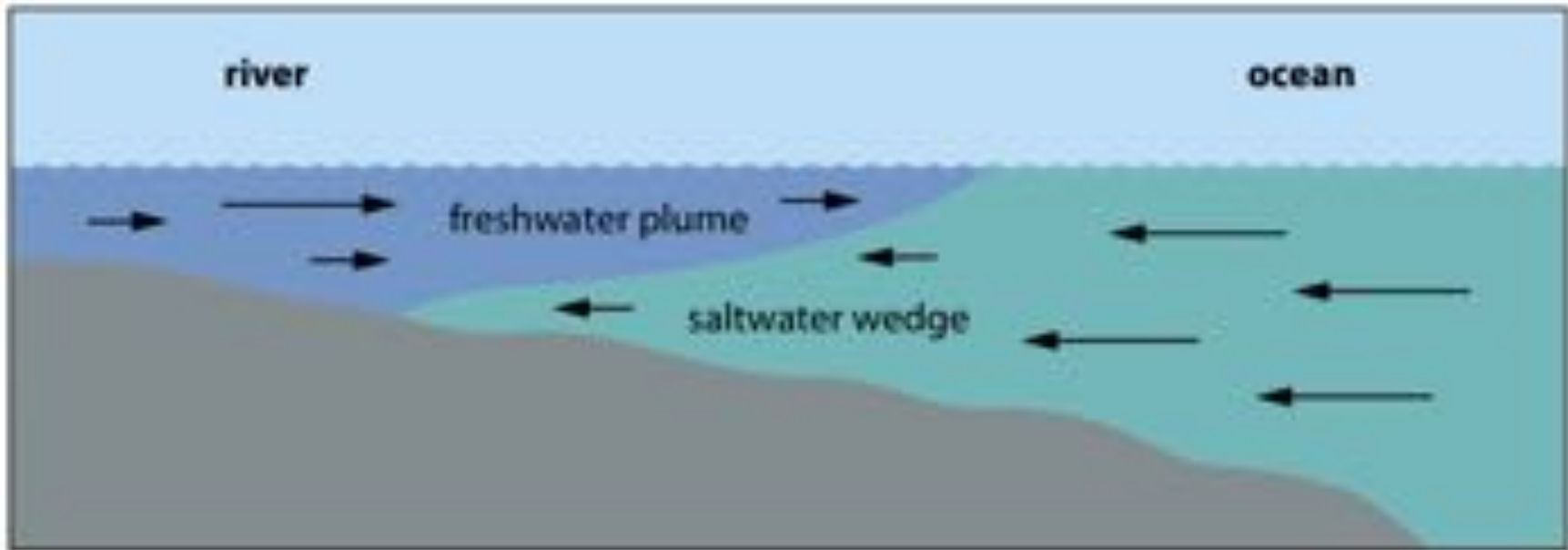
| | | | | | | | | | | | | |
|-------|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-------|----|
| 19:22 | 11 Wed | 06:31 | 1.8 | 17:58 | 1.8 | 11:50 | 0.8 | | | 05:50 | 19:54 | 10 |
| 19:23 | 12 Thu | 07:14 | 1.9 | 19:24 | 1.9 | 00:15 | 0.7 | 12:36 | 0.7 | 05:49 | 19:55 | 11 |
| 19:24 | 13 Fri | 07:56 | 1.9 | 20:06 | 1.9 | 00:58 | 0.7 | 13:20 | 0.7 | 05:49 | 19:56 | 12 |
| 19:25 | 14 Sat | 08:38 | 1.9 | 20:47 | 1.9 | 01:39 | 0.6 | 14:03 | 0.7 | 05:48 | 19:57 | 13 |
| 19:26 | 15 Sun | 09:19 | 2.0 | 21:30 | 1.9 | 02:19 | 0.6 | 14:45 | 0.7 | 05:47 | 19:58 | 14 |
| 19:27 | 16 Mon | 10:02 | 2.0 | 22:14 | 1.9 | 03:00 | 0.6 | 15:28 | 0.7 | 05:46 | 19:59 | 15 |
| 19:28 | 17 Tue | 10:46 | 2.0 | 23:01 | 1.9 | 03:42 | 0.6 | 16:12 | 0.7 | 05:45 | 20:01 | 16 |
| 19:29 | 18 Wed | 11:32 | 2.0 | 23:50 | 1.9 | 04:26 | 0.6 | 16:58 | 0.6 | 05:44 | 20:02 | 17 |
| 19:30 | 19 Thu | | | 12:21 | 2.0 | 05:12 | 0.6 | 17:46 | 0.6 | 05:44 | 20:03 | 18 |
| 19:31 | 20 Fri | 00:42 | 1.9 | 13:12 | 2.0 | 06:00 | 0.6 | 18:36 | 0.6 | 05:43 | 20:04 | 19 |
| 19:32 | 21 Sat | 01:36 | 1.9 | 14:06 | 2.0 | 06:52 | 0.6 | 19:29 | 0.6 | 05:42 | 20:05 | 20 |
| 19:33 | 22 Sun | 02:34 | 1.9 | 15:03 | 2.0 | 07:47 | 0.6 | 20:24 | 0.6 | 05:42 | 20:06 | 21 |
| 19:34 | 23 Mon | 03:34 | 2.0 | 16:01 | 2.0 | 08:44 | 0.6 | 21:21 | 0.5 | 05:41 | 20:07 | 22 |
| 19:35 | 24 Tue | 04:34 | 2.0 | 17:00 | 2.1 | 09:44 | 0.6 | 22:20 | 0.5 | 05:41 | 20:08 | 23 |
| 19:36 | 25 Wed | 05:33 | 2.1 | 17:58 | 2.1 | 10:45 | 0.6 | 23:17 | 0.5 | 05:40 | 20:09 | 24 |
| 19:37 | 26 Thu | 06:31 | 2.1 | 18:55 | 2.1 | 11:45 | 0.5 | | | 05:40 | 20:10 | 25 |
| 19:38 | 27 Fri | 07:28 | 2.1 | 19:50 | 2.1 | 00:15 | 0.4 | 12:44 | 0.5 | 05:39 | 20:11 | 26 |
| 19:39 | 28 Sat | 08:23 | 2.2 | 20:45 | 2.1 | 01:10 | 0.4 | 13:41 | 0.5 | 05:39 | 20:13 | 27 |
| 19:40 | 29 Sun | 09:15 | 2.2 | 21:37 | 2.1 | 02:05 | 0.4 | 14:36 | 0.5 | 05:38 | 20:14 | 28 |
| | | | | | | 02:57 | 0.4 | 15:30 | 0.5 | 05:38 | 20:15 | 29 |

Tides: 2.0m tide is the key tide in Tairawhiti

Salinity Meter



Step Three: Find the Saltwater Wedge!



0.3 = freshwater in Tairawhiti



EcoSense EC300A

0.4
23.3

On/Off
Up
Down
Left



EcoSense EC300A

29.3
245

Power On
Up Arrow
Down Arrow

Large Spawning Project

View details of potential spawning areas. This data contains only approved fishing sites suggested as best for spawning.

Home

Open map in full

Full screen

Map

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

Home

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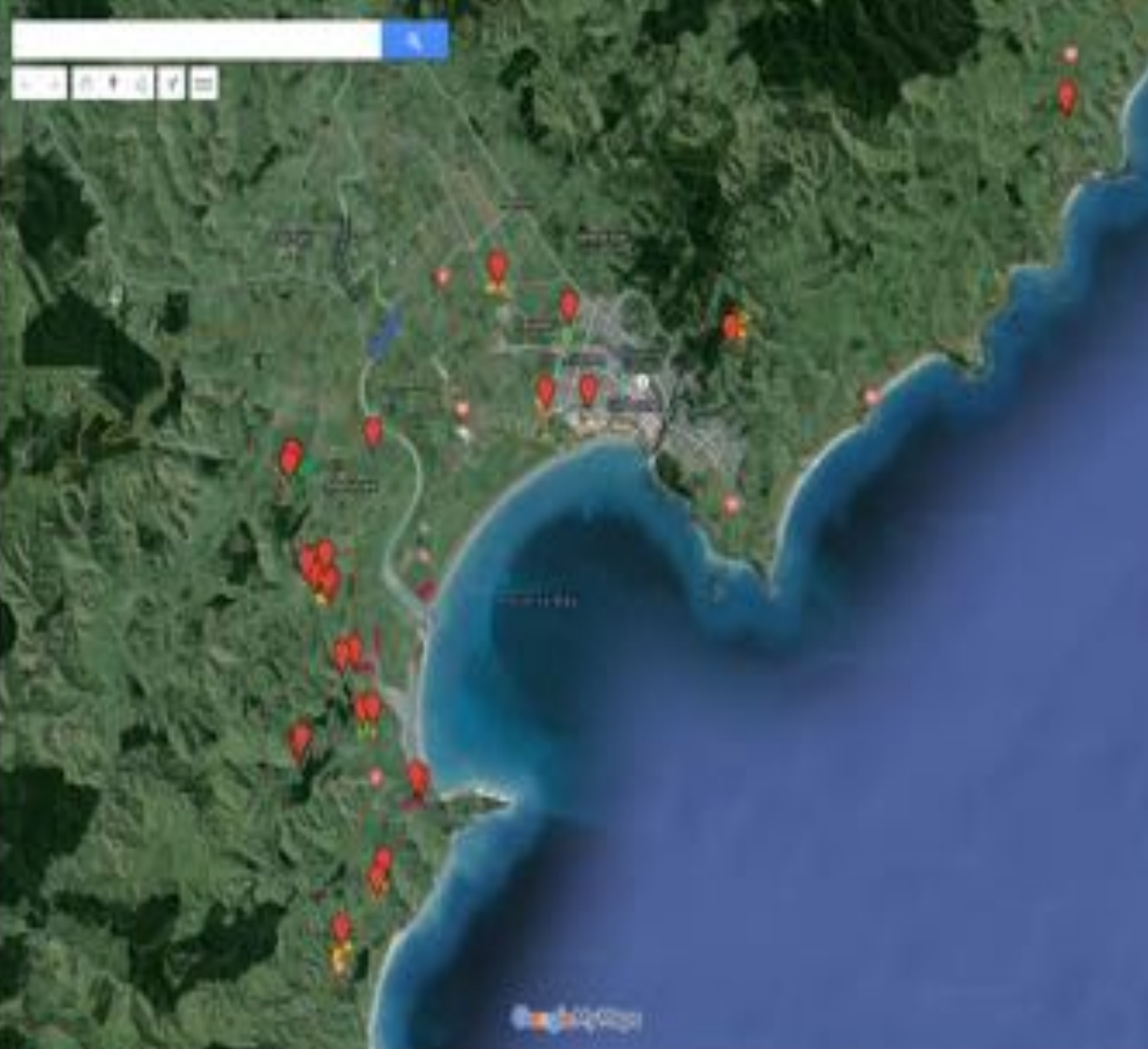
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Striking the whitebait jackpot



by [Finn Rainger](#)

Published: May 25, 2015 3:11PM

The future looks promising for Gisborne's whitebait fishery with the discovery of a large spawning site on the Te Arai River.

IT IS estimated the 1200-metre site holds trillions of whitebait eggs and a Hawke's Bay expert has described it as an amazing discovery.

In the 30 years wetlands specialist Hans Rook has worked on whitebait restoration, he has only seen one other which matches its size – on the Manawatu River.

"We have struck the jackpot this time," he says.

Mr Rook is working with Gisborne District Council on a whitebait protection project, which has received \$65,000 from the Ministry for the Environment.

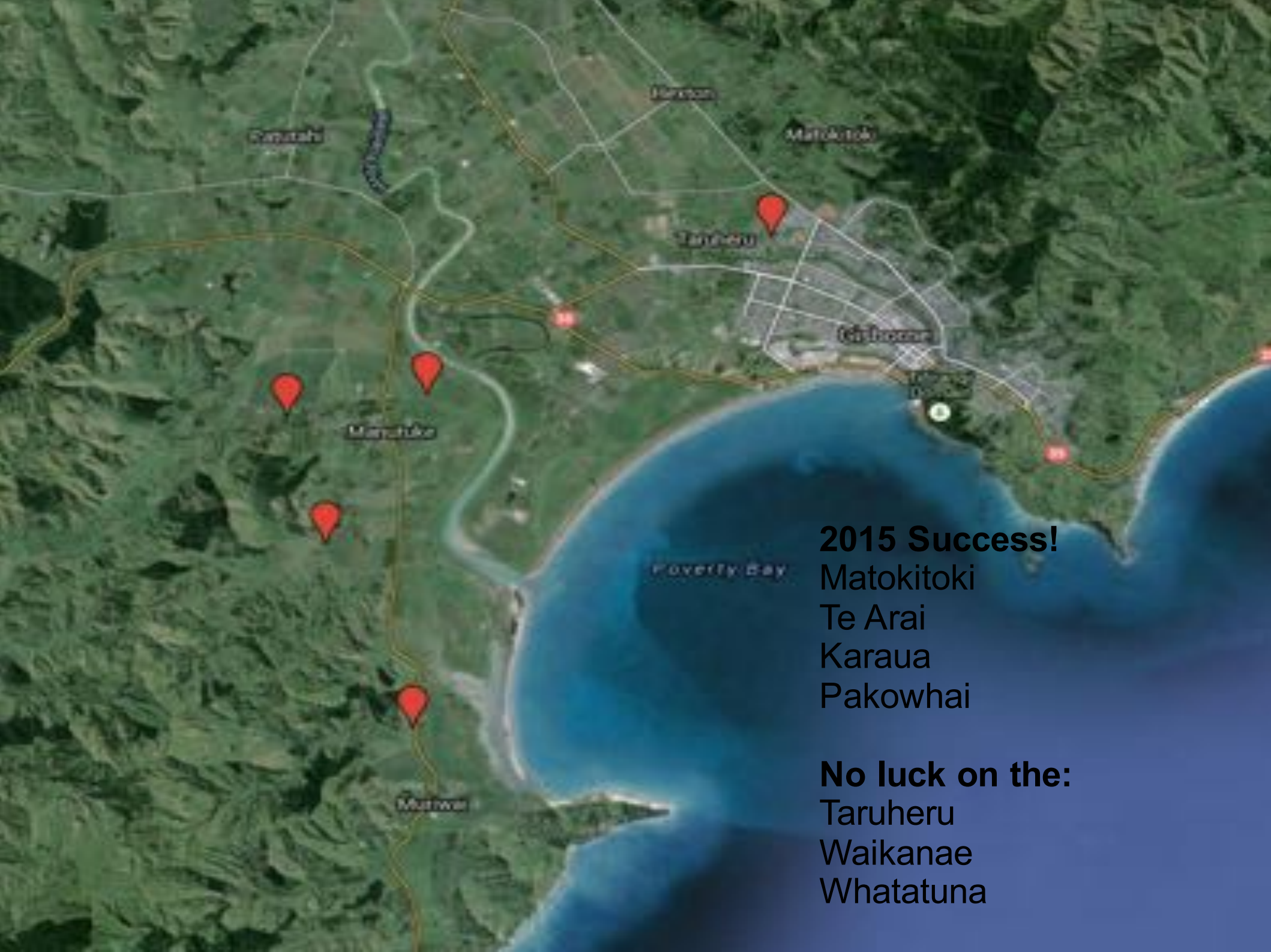
Project leader Kurt Ridling discovered the site.

"I was hanging around on the bank while Hans was in a kayak up the river when I noticed some fish activity," Mr Ridling said.

"I heard the sound of eels sucking eggs off the bank, which I remembered Hans mimicking. We searched the area when he got back and found heaps of eggs."



WHITEBAIT DISCOVERY: Kurt Ridling, who is leading a whitebait protection project, examines a newly-discovered spawning site found on the edge of the Te Arai river. Picture supplied



2015 Success!

- Matokitoki
- Te Arai
- Karaua
- Pakowhai

No luck on the:

- Tarheru
- Waikanae
- Whatatuna



Challenges and Opportunities





Enhancing Habitat...











