

REGIONAL ROUND-UP

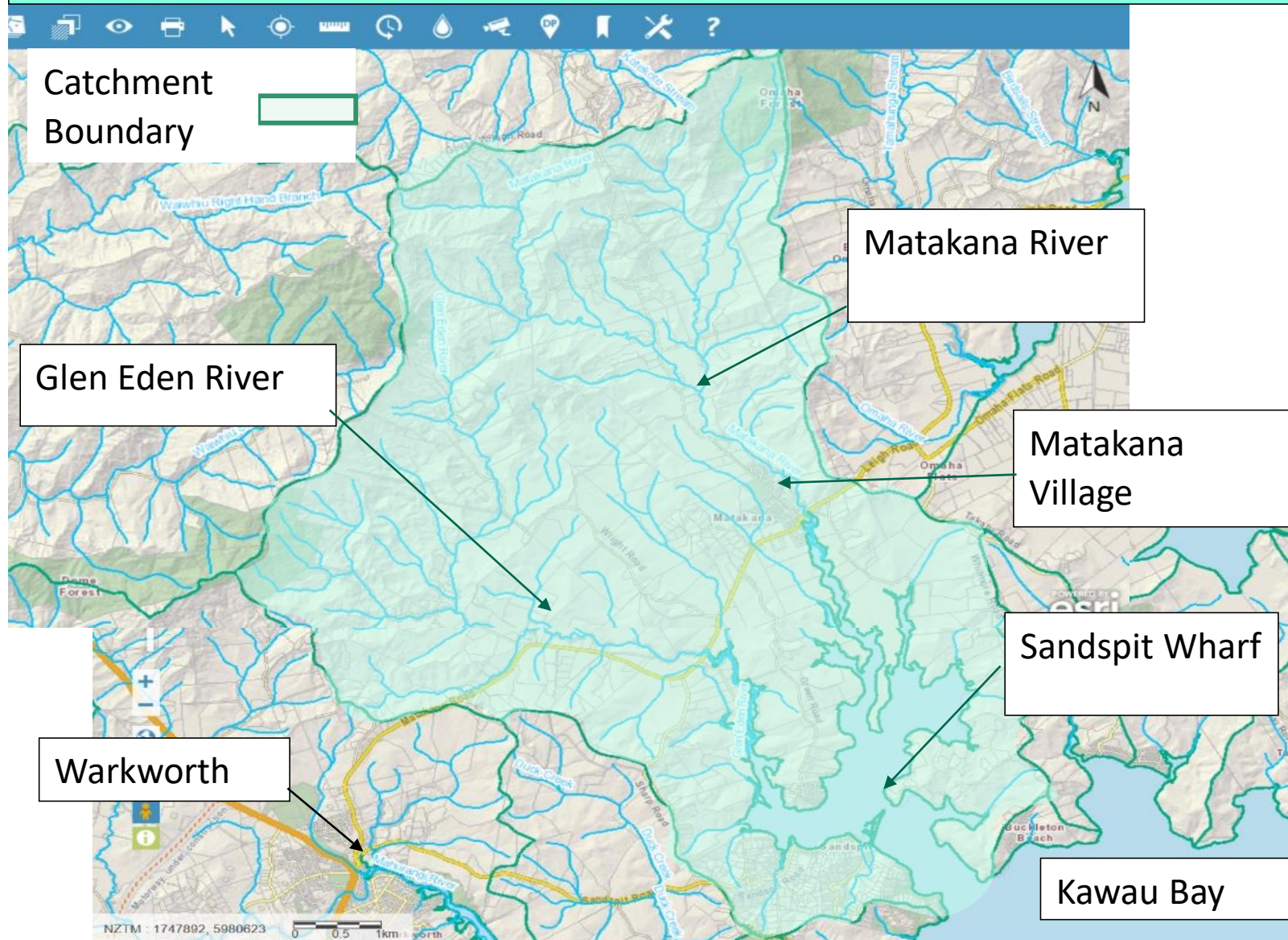
friends of **awa matakana**



Glen Eden and Matakana Rivers

Presented by Martin Evans
(vice chairman of FOAM)

Matakana & Glen Eden River Catchments are about 5000 hectares total





Glen Eden River



Glen Eden River Mouth



Matakana River



Matakana River Mouth

photos courtesy of:-
Richard Parkinson, Sandspit
www.aerialpix.co.nz

Matakana

Awa Matakanakana – Matakana Estuary

The Matakana Estuary inland of this sandspit is a very large and dynamic system. The tidal saltwater goes all the way to Matakana village.

An estuary system combines land and sea in a complex web, that integrates land and water. The many fingers of wetlands and streams leading into the system show the filtering effect of plants along these waterways.

In the saltwater channels, mangroves are a significant part of the filtering system. They also provide a sheltered nursery habitat for many fish species.



Tongue Point

Matakana River

Glen Eden River

Sandspit

You are here

Beddeleys Beach

Million Bay

Buckleton Beach

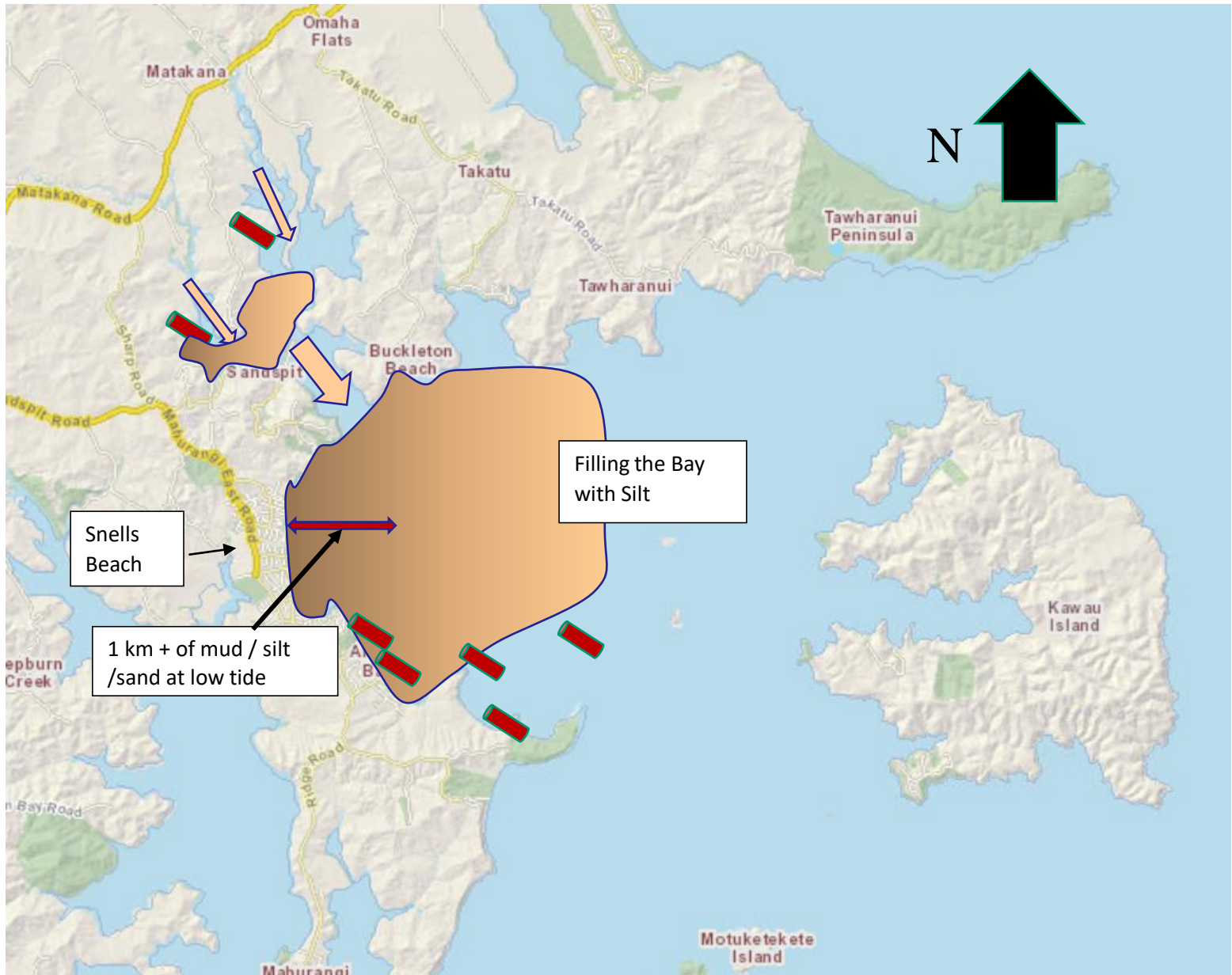
Wanns Bay

Kawau Bay

Snells Beach










1km

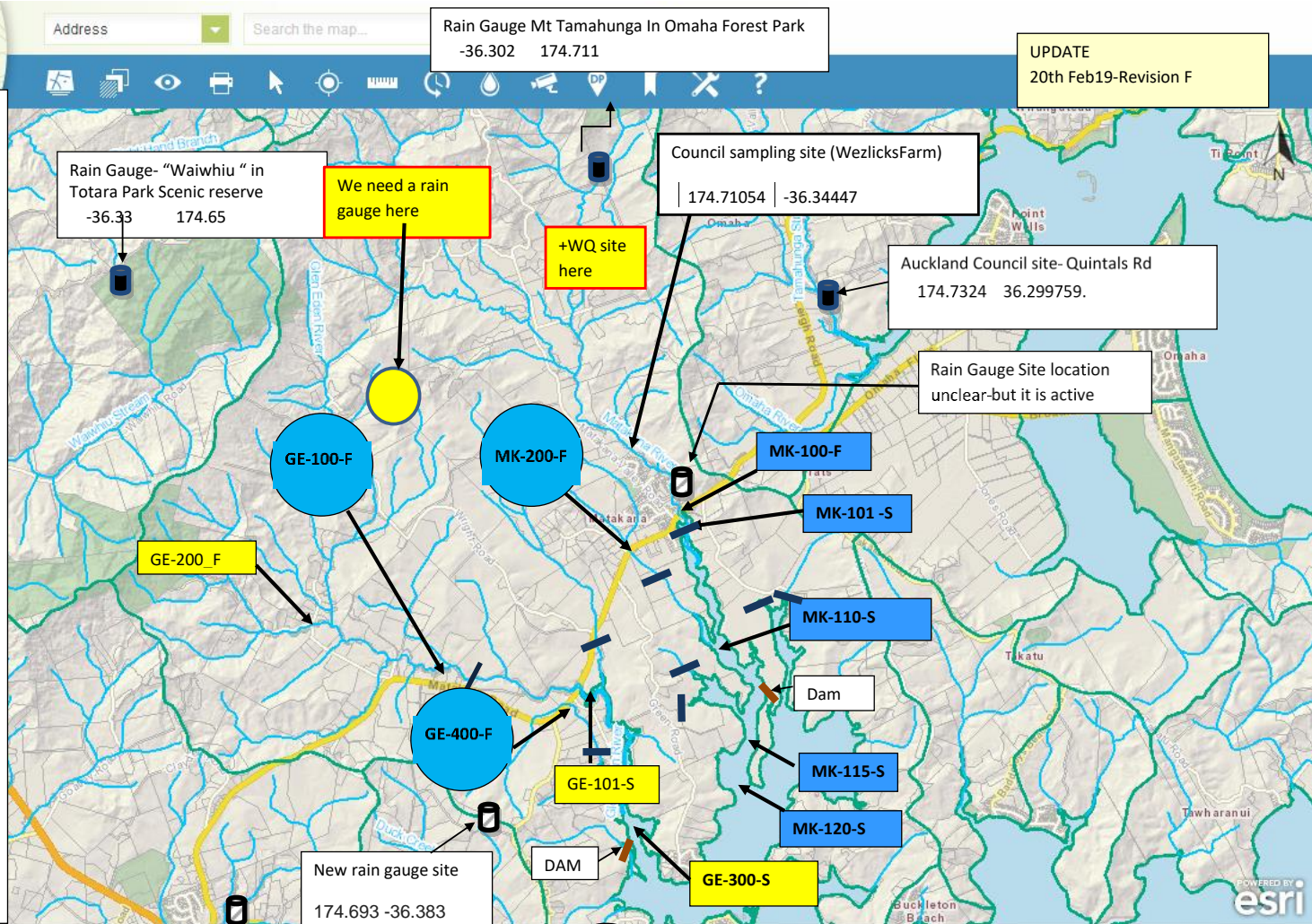


KEY:-

- MK-Matakana River
- GE-Glen Eden River
- BB- Brick Bay stream
- E-Sandspit Estuary
- F-Freshwater
- S-Saline water potential. Only sediment+Temp

101-Number of proposed sampling site

-  Catchment boundary
-  Core/Primary Site – Water quality ONLY
-  Secondary Site –Water quality only
-  Full sampling including Invertebrates
-  Estimated salinity interface point
-  Public rain gauge sites
-  Private rain gauge sites



Rain Gauge- "Waiwhiu " in Totara Park Scenic reserve
-36.33 174.65

We need a rain gauge here

+WQ site here

Council sampling site (WezlicksFarm)
174.71054 | -36.34447

Auckland Council site- Quintals Rd
174.7324 36.299759.

Rain Gauge Site location unclear-but it is active

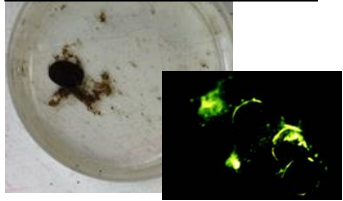
New rain gauge site
174.693 -36.383

DAM

GE-300-S

BB-101-F

limpet



Free living caddis fly



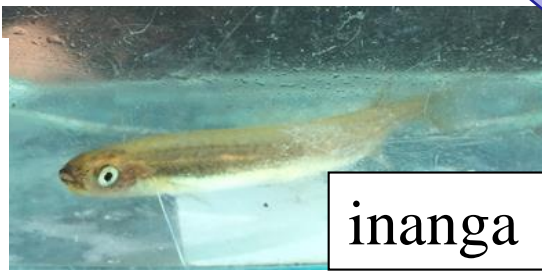
Smooth cased caddis fly



bully



Short fin eels



inanga



Photo courtesy:- Mahurangi Matters

ISSUES



SILT

**SEDIMENT
BUILD UP**



MANGROVE INVASION

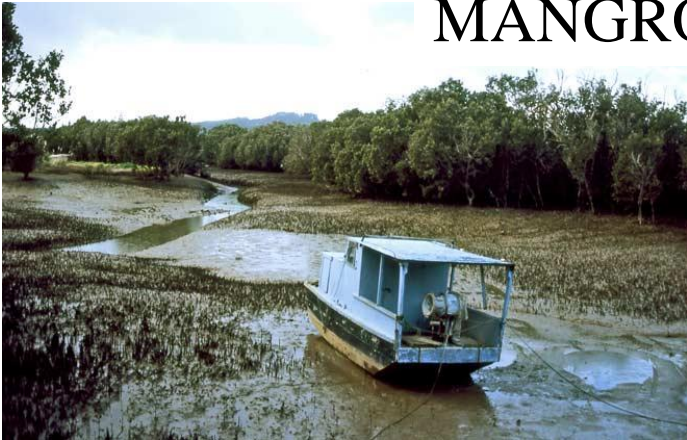
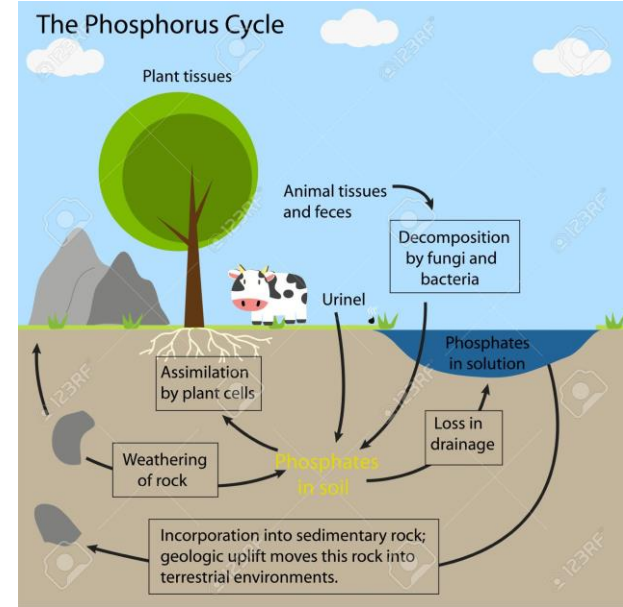
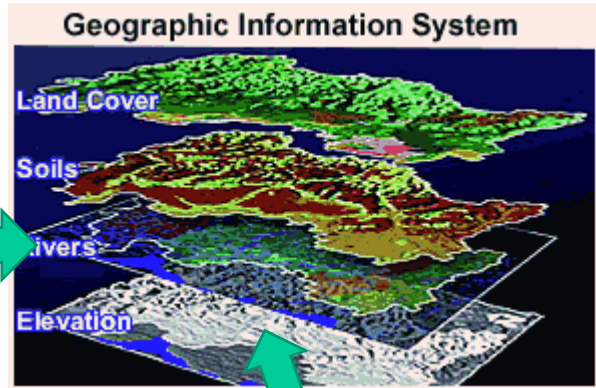


Photo: - NIWA



NEEDS



Ground truthing



Auto WQ
Monitoring gear

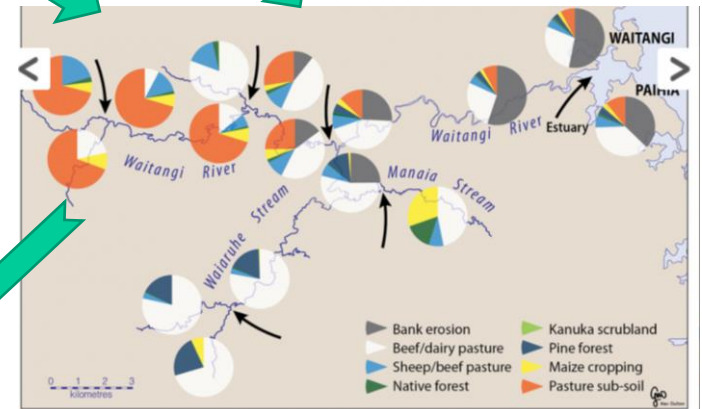


Diagram courtesy NIWA