

### **He aha te take ka tūhura i te ora o Maringi-ā-wai? (1)(2)**

He orite ngā awa katoa. Ko ngā awaawa me ngā wāhi awa he wāhi noho nui me ngā wāhi whakatipu mō ngā ika taketake, ngā kōkore me ētahi atu kararehe taketake. He mea hirahira mō te hauora o tō tātou taiao me te punaha rauwiringa kaiao, he hiranga ahurea nui mō te tini o ngā tāngata o Aotearoa e whakawhirinaki ana ki a rātou hei puna kai. He kaupapa nui te whakarauora i ngā awa, ngā manga, ā, koinei te kaupapa nui e whakahaere ana mātou ki te kura-ā-iwi o Whakatupuranga Rua Mano, ko te whakarauora i te manga o Maringiāwai. E tūhura ana mātou i te ora o te wai kia kite inā e ora pai ana ia, e aha ana rānei.

### **He aha te rerekētanga o te pH o Maringiāwai ki Te Ngutu Awa o Ōtaki?**

Hei tatau i te rereketanga pH i waenga i ngā huinga raraunga e rua, ka tango i ngā uara pH o te huinga tuatahi mai i ngā uara pH o te huinga tuarua mō ia tatauranga e pā ana.

He inenga te pH e ine i te waikawa (<6.5), te waipāhua (>7.5) te waimāori (6>7) rānei. Ki te raru te pH o ngā awa, ka kore ngā kararehe, ngā tipu e ora.

### **Whakamārama te āhuetanga o ngā manga e rua.**

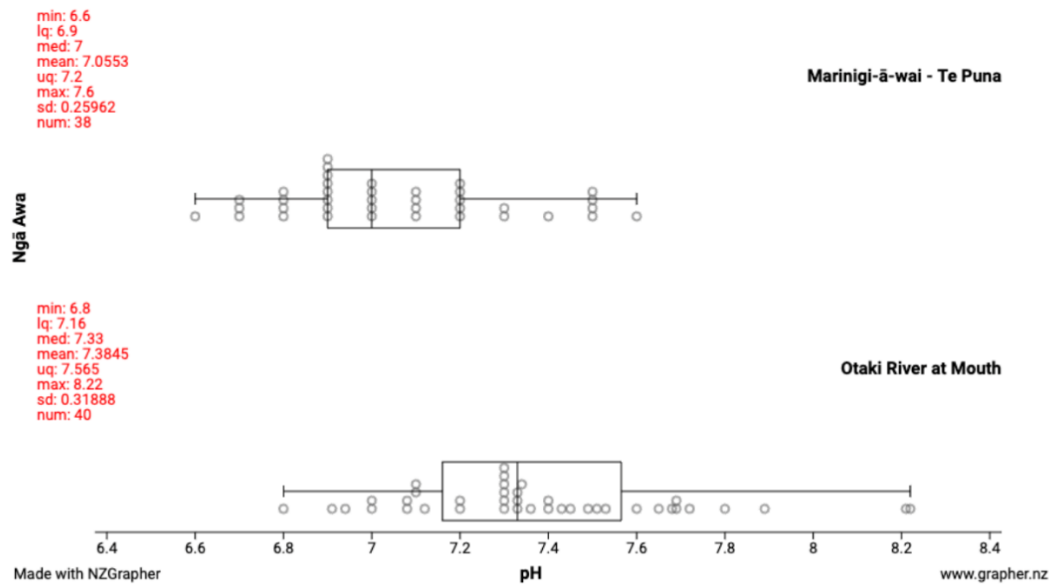
#### **Maringiāwai**

Ko ngā āhuetanga o Maringa-ā-wai i tēnei wā, he tino mate, kāore he maha o te wai engari nā tā tātou whakapaipai kei te tīmata anō ngā tuna ki te hokihoki mai ki te manga, ā, e tīmata ai hoki te ph ki te ora pai mō ngā kararehe, rākau anō hoki

#### **Te Ngutu Awa o Ōtaki**

He āhua rerekē te puaha ki ērā atu manga/awa ki ōku whakaaro, heoi nō te take he pai te rere o te wai kāore e kaha te pākawa tūtae whetū ki te tipu. Engari he maha ngā puna wai kāore te rere o te wai e kuhu ki aua puna ki te whakawehe i ngā momo paruparu, nō reira ka kaha whakararu te pākawa tūtae whetū i ērā o ngā puna wai. Taku taenga ki reira, he maha ngā tāngata e hī ika, e hopu īnanga, me te hī pātiki.

## Ngā taumata pH ki waenga i Maringiāwai (te puna) me Te Ngutu awa o Ōtaki



### Ngā Tau Waenga

He nui ake te tau waenga o te ngutu awa 7.3 ki Maringiāwai 7. (3)

### Te Īnaki

He nui ake hoki te 50% o te ngutu awa i te 75% o Maringiāwai.

### Te Rahinga

Ko te rahinga o Maringiāwai e noho ki waenga i te 6.6 me te 7.6, ā, ko te rahinga o te ngutuawa e noho ki waenga i te 6.8 me te 8.2. E marara haere te kōwhiringa o te ngutuawa, ā, e noho tata ana te kōwhiringa o Maringiāwai ki te tau awenga.

### Ngā inenga waenga

He nui ake te tautoharite o te ngutuawa, he 7.38 te inenga, ā, he 7.05 te tau toharite o Maringiāwai.

Hei Whakakapinga, i tēnei kōwhiringa he nui ake te pH o te Ngutuawa, ki Maringiāwai. E noho tata ana te kōwhiringa o Maringiāwai ki te tauwaenga, ā, e mea ana tēnei, kāore e taurangirangi ana te kōwhiringa nei.