

# Stream Health Assessment Worksheet

Name of stream:.....

Date:.....

Location (site name):.....

Student names: .....

Hypothesis (prediction):

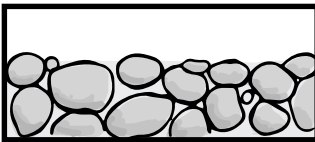
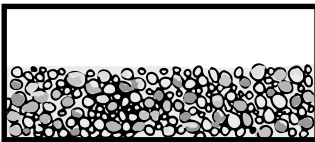


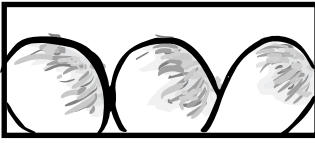



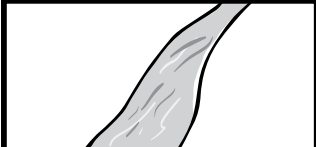

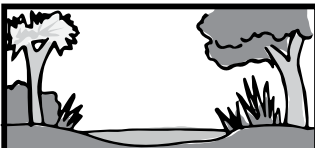


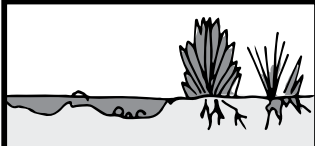
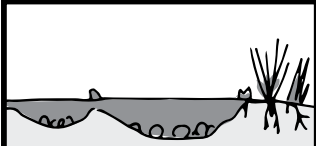
We think the mauri (life force/health) of the stream, and the life within will be:

Excellent / OK / Poor (circle one) because:

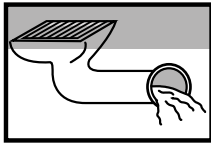
1. ....

2. ....

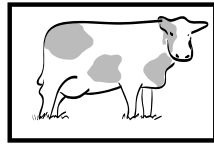
Walk along the selected stretch of stream and assess which picture below best represents the stream

Stream habitat	Excellent	OK	Poor
Stream bed	 Stones	 Gravel	 Mud/Sand
Algae	 Thin layers	 Medium layers	 Long layers
Pool/riffle/run	 Pool, riffles and runs present	 2 of the 3 (run/riffle/pool present)	 Only runs or only pools
Stream shading	 Mostly shaded	 Some shade	 No shade
Bank stability	 Stable banks	 Some erosion	 Very unstable

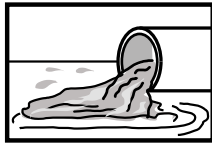
**Human impacts**



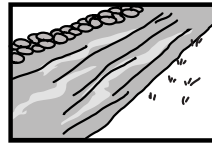
Stormwater drains or pipes



Animals in stream



Culverts

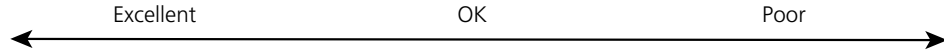


Straightened streams

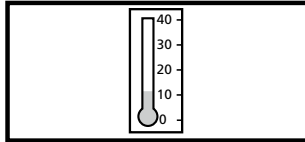


Weirs or barriers

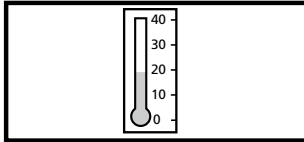
**Water Quality**



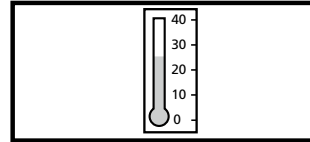
Water temperature



Less than 10°C

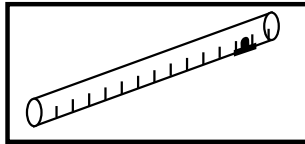


10°C to 20°C

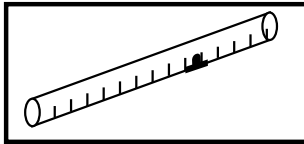


More than 20°C

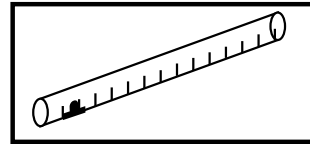
Water clarity



70 to 100cm

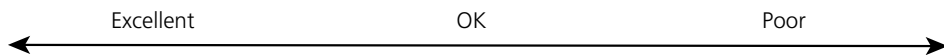


30 to 70cm

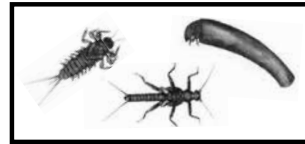


0 to 30cm

**Aquatic animals**



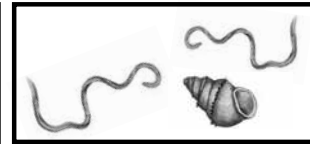
Invertebrates



Number 4 and 3 animals like caddisflies, mayflies and stoneflies



Number 2 animals like beetles and damselflies



Mainly worms, snails and flies

**Conclusion:**

**We think the water quality and habitat for animal in this stream is:**

**Excellent / OK / Poor (circle one)**

**because of the following reasons:**

1.....

2.....

# He Hīti Aromatawai i te Ora o te Mauri o te Awa

Ko te ingoa o te awa:.....

Ko te rangi:.....

Ko te wāhi (ingoa wāhi):.....

Ko ngā ingoa o ngā ākonga .....

Ko te matapae:

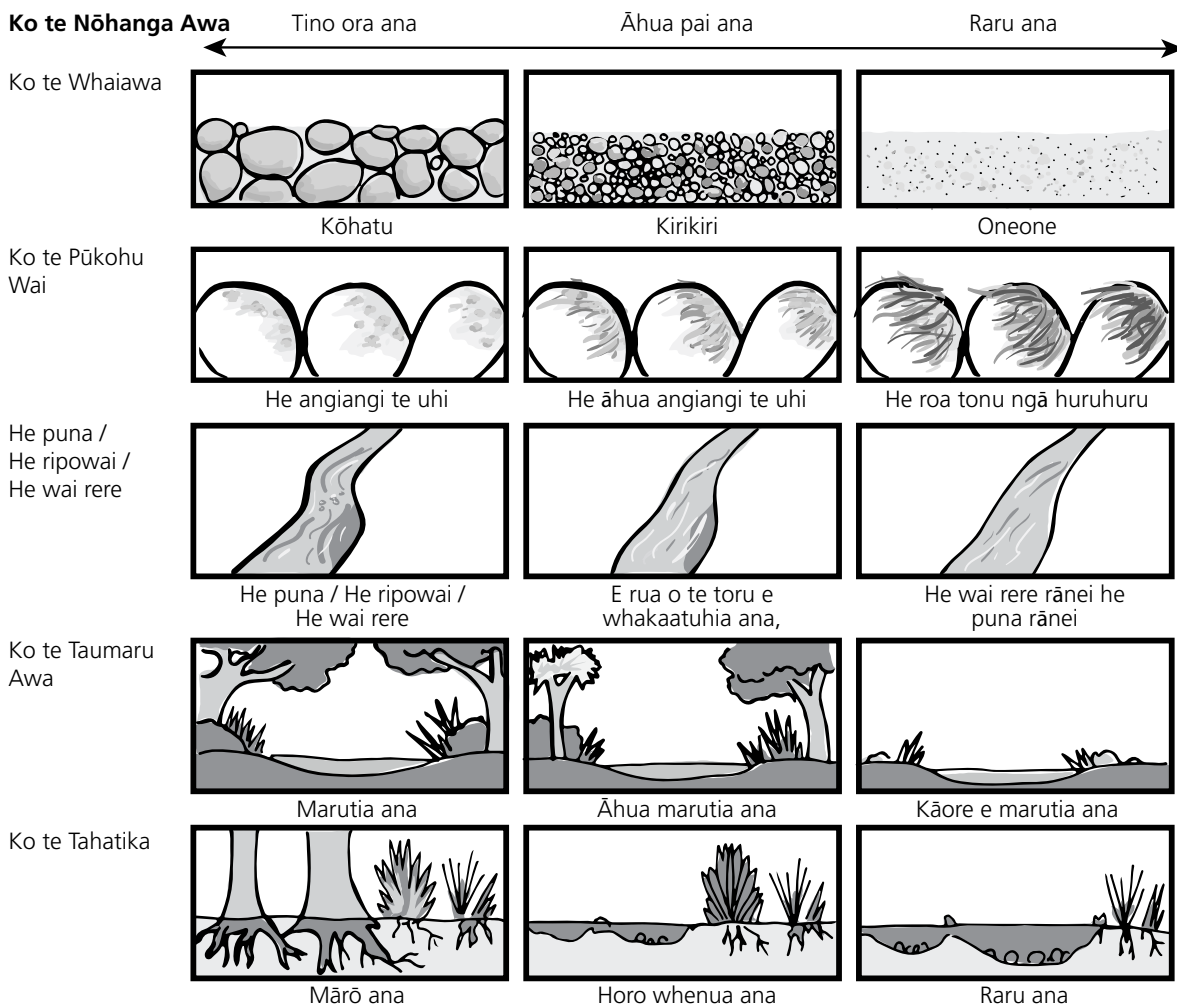
E whakapae ana mātou ko te ora o te mauri o te awa me ngā mea o roto e pēnei ana:

Tino ora ana / Āhua pai ana / Raru ana (porowhitatia ko tētahi anake) nā te mea:

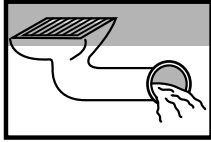
1. ....

2. ....

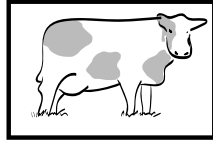
Hikoitia te wāhanga o te awa kua tohua, ā, aromatawaihia ki tētahi o ngā pikitia i raro nei e whakaatu tika ana i te āhua o te awa



**Ko ngā Kawekawe Tāngata**



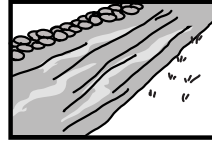
Ko ngā Kōawa Ua



He Kararehe ki roto i te Awa



He Putanga Wai



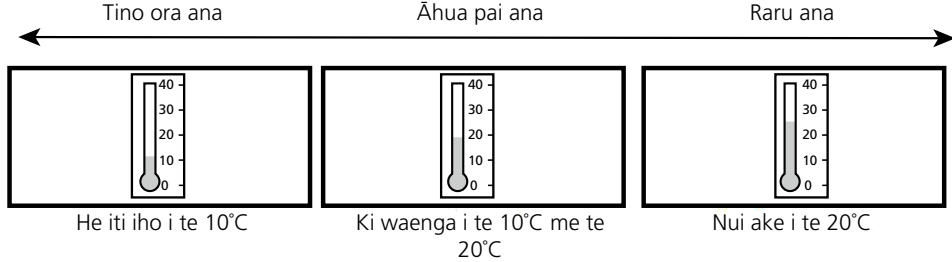
He Awa i Whakatōtikatia



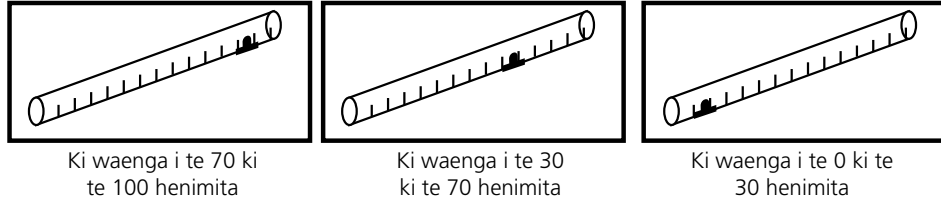
He Pā rānei, he Pā Wai rānei

**Ko te Kounga o te Wai**

Ko te Mahana o te Wai

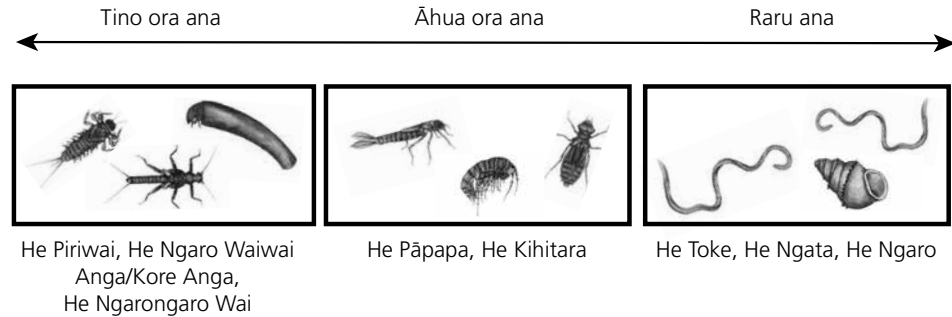


Ko te Mārama o te Kitea o te Wai



**Ko ngā Kirehe ki roto i te Awa**

Ko ngā Tuaiwi-kore



**E whakapae ana mātou ko te kounga wai me te nōhanga o ēnei kirehe ki roto i te awa e pēnei ana:**

**Ka mutu pea / He pai tonu / Kāore e pai (porowhitatia ko tētahi anake)**

**nā te mea:**

1.....

2.....