

Tapātai One me te Parataia

Mm2 RŪRI TAKUTAI

Rā: _____ / _____ / _____

Kura/Rōpū: _____

Wahi: _____

Ingoa o ngā kairūri: _____

Wā: _____

Te kī o te tai Tai timu Tai waengau
 Tai pari

Te huranga: Tino huranga Huranga He marumaru

Pūahatanga

Te kiri one	(te whānuitanga/āhua)	Ōrau %
Ākau	(te pūkawa)	
Toka nui	(te upoko)	
Toka iti	(te ringatahi)	
Kirikiri	(te māpere)	
Onepū	(he tātahi)	
Parakiwai	(he maramara oneone)	
Paruparu	(he poharu)	
Te tapeke	(te ūrau katoa = 100)	100 %

He aha ngā whakaāhua matua o te wāhi? (hei tauira: he toka nui ki te pūhatanga; he waka e noho ana; he ngaru nui; he wai māori I rere mai; he pango te onepū; ka marumaru tēnei wāhi I te ngā puke).

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He aha ngā tumomo tohu o ngā tāngata? (he rāpihi; e kohikohi ana mahinga kai a ngā tāngata; he tohu o ngā motokā; he tohu a ngā kuri; he tāngata I te wai).

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PIKITIA: Tuku pikitia o te mīta pūrua me tēnei whārangī I te pikitia kōtahi, kia awhina ai i a koe ā muri ake nei.

Mā wai ngā tūmomo oranga i tohutohu i te karetai o te paruparu?	He tohu ēnei I te karetai? (✓)
Tuhia ngā momo kareai me ngā	
Kōhao (tēnā pea nō ngā pāpaka, kōura rangi, tuangi, mōwhitiwhiti...).	
Tiko nō ngā noke moana (h.t. nō te whānau <i>Maldanidae</i> , ko te momo <i>Abarenicola affinis</i> rānei).	
Tohutohu o te mahi kai (h.t. nō ngā Hanikura me ngā ara pūpū).	
Ētahi atu tūmomo orange (h.t. tuhia te āhua).	

**HURIHUA TE WHARANGI NEI KI TE TUHI I TE RŪRI I NGĀ TIPU MOANA
ME NGĀ KARAREHE I TE TAKUTAI**



Te tauta o ngā koiora (I te mīta pūrua 1m x 1m te ‘quadrat’ rānei):

Tautahi te ingoa o ngā koiora I te wahi me te ūrau o te whānuitanga, o ngā momo tipu moana, āra, me ngā rimurimu, ngā tipu meroiti (diatoms) me naqā otaota. Kua e tatau naqā karere e mate ana, me tatau I naqā karere koiora...

Ngā tipu o te moana (<i>tuhia ngā ingoa pūtaiao hoki</i>)	Ōrau o te whānuitanga (%)	Te katoa o te ūrau (%)

Ngā momo kararehe (<i>tuhia ngā ingoa pūtaiao hoki</i>)	E hia ngā momo āhua	Te tatau whakamutunga

TE WHAKAPAPARANGA HĀORA (te uho 10cm X 10cm)

Tuatahi I te tiki tīpako, me nekenekē i ngā koiora i te karetai kia waiho I te tatau anō. Mā te kō, ngā uho e karikari, mai i ngā kōkona o te mīta pūrua. Tikina ngā uho e whā. Inea te roa o te whakaparanga me te tae e ūrite ana, ki te tae e rerekē ana. Koinei te wahannga o te ‘Redox Potential Discontinuity’ (RPD), arā, koinei te wahanaga e tangotango ana, e tāpiritanga hoki ana te hāora I te onepū. Koinei te wahanga e pai ana.

**Mehemea kaore e koe tētahi momo koiora e mārama ana, tuhia te whakaāhua o te mea me te wāhi e
noho ana I te tūtiri I runga. Me tuku pikitia me te pāronga ki a mātou, ki te īmera
marinemetresquared@gmail.com**

Me whakakī tāu mahi | te whārangi ipurangi ‘RŪRI MĪTA PŪRUA TAKUTAI’: www.mm2.net.nz