

Te Awarua-o-Porirua information on fresh water current state and scenario results: Periphyton

Drains to	WMU group	WMU name	Assessment locality ¹	What is the current state?		What could the scenarios give us?			
				From monitoring data	From CMP assessment	BAU	Improved	Water sensitive	
Open coast	Coastal catchments	Pukerua	Hongoeka as proxy						
		Hongoeka to Pukerua	Hongoeka		A	A	A	A	
		Whitireia	Mouth						
Taupo	Taupo Stream and Swamp	Taupo Stream	Mouth		C	C	B	B	
			Wetland						
Pauatahanui inlet	Pauatahanui steep rural streams	Horokiri and Motukaraka	Battle Hill						
			Near Pauatahanui Golf Club	C	C	C	B	B	
			Kakaho Stream	Mouth					
			Judgeford Stream	Bottom of sub-catchment					
	Pauatahanui rural streams	Pauatahanui Stream	Middle reaches	C	C	C	B	B	
		Ration Creek	Mouth						
	Pauatahanui urban streams	Lower Duck Creek	Mouth		C	C	C	C	
Pauatahanui fringe streams		Titahi Bay as proxy							
Onepoto inlet	Onepoto steep rural streams	Rangituhi Stream	Bottom of sub-catchment						
		Takapu Stream	Bottom of sub-catchment		C	C	B	B	
		Upper Kenepuru	Bottom of sub-catchment						
	Onepoto rural streams	Belmont Stream	Lincolnshire Farms						
		Stebbings Stream	Bottom of sub-catchment		C	C	B	B	
	Onepoto small urban streams	Hukarito Stream	Mouth						
		Mahinawa Stream	Mouth		A	A	A	A	
		Onepoto Fringe	Elsdon						
	Kenepuru Stream	Titahi	Titahi Bay						
		Kenepuru	Mouth		C	C	C	C	
Porirua Stream	Porirua	Grenada North industrial							
		Mitchell Stream							
		Willowbank							
		Kenepuru Drive		B	B	B	B↑	B↑	

Attribute state - Periphyton				
	A	B	C	D
Description	Rare blooms reflecting negligible nutrient enrichment and/or alteration of the natural flow regime or habitat	Occasional blooms reflecting low nutrient enrichment and/or alteration of the natural flow regime or habitat	Periodic short-duration nuisance blooms reflecting moderate nutrient enrichment and/or alteration of the natural flow regime or habitat.	Regular and/or extended-duration nuisance blooms reflecting high nutrient enrichment and/or significant alteration of the natural flow regime or habitat.

Likely change within a band				
Much worse	A bit worse	No change	A bit better	Much better
↓↓	↓		↑	↑↑

Red line indicates the minimum point at which an objective can be set - i.e. objectives must be set in A, B or C band

http://www.mfe.govt.nz/sites/default/files/media/Fresh%20water/nps-freshwater-amended-2017_0.pdf

1) Assessments are for the subcatchment rather than particular reporting site

Te Awarua-o-Porirua information on fresh water current state and scenario results: Macroinvertebrates

Drains to	WMU group	WMU name	Assessment locality ¹	What is the current state?		What could the scenarios give us?			
				From monitoring data	From CMP assessment	BAU	Improved	Water sensitive	
Open coast	Coastal catchments	Pukerua	Hongoeka as proxy						
		Hongoeka to Pukerua	Hongoeka		C	C	C ↑	C ↑	
		Whitireia	Mouth						
Taupo	Taupo Stream and Swamp	Taupo Stream	Mouth		C	C	B	B	
			Wetland						
Pauatahanui inlet	Pauatahanui steep rural streams	Horokiri and Motukaraka	Battle Hill						
			Near Pauatahanui Golf Club	B	C	B	B	B	
			Kakaho Stream	Mouth					
			Judgeford Stream	Bottom of sub-catchment					
	Pauatahanui rural streams	Pauatahanui Stream	Middle reaches	C/B	C	C	B	B	
		Ration Creek	Mouth						
	Pauatahanui urban streams	Lower Duck Creek	Mouth		C	C	C ↑	B	
Pauatahanui fringe streams		Titahi Bay as proxy							
Onepoto inlet	Onepoto steep rural streams	Rangituhi Stream	Bottom of sub-catchment						
		Takapu Stream	Bottom of sub-catchment		C	C	B	B	
		Upper Kenepuru	Bottom of sub-catchment						
	Onepoto rural streams	Belmont Stream	Lincolnshire Farms						
		Stebbings Stream	Bottom of sub-catchment		C	C	B	B	
	Onepoto small urban streams	Hukarito Stream	Mouth						
		Mahinawa Stream	Mouth		B/A	B/A	B/A	B/A	
		Onepoto Fringe	Elsdon						
	Kenepuru Stream	Kenepuru	Mouth		C	C	C ↑	C ↑↑	
		Porirua Stream		Grenada North industrial					
			Mitchell Stream						
			Willowbank						
		Kenepuru Drive		C	C	C ↑	C ↑		

Attribute state - Macroinvertebrate Community Index			
A	B	C	D
Macroinvertebrate community is typical of undisturbed or reference conditions for the stream type.	Macroinvertebrate community shows limited changes from the expected conditions for the stream type. Reflects light levels of disturbance and/or pollution.	Macroinvertebrate community shows changes from the expected conditions for the stream type. Reflects moderate levels of disturbance and/or pollution.	Macroinvertebrate community shows large changes from the expected conditions for the stream type. Reflects significant levels of disturbance and/or pollution.

Likely change within a band				
Much worse	A bit worse	No change	A bit better	Much better
↓↓	↓		↑	↑↑

NB. This is not a NOF attribute

1) Assessments are for the subcatchment rather than particular reporting site

Te Awarua-o-Porirua information on fresh water current state and scenario results: Native fish

Drains to	WMU group	WMU name	Assessment locality ¹	What is the current state?		What could the scenarios give us?		
				From monitoring data	From CMP assessment	BAU	Improved	Water sensitive
Open coast	Coastal catchments	Pukerua	Hongoeka as proxy					
		Hongoeka to Pukerua	Hongoeka		C	C	C	C
		Whitireia	Mouth					
Taupo	Taupo Stream and Swamp	Taupo Stream	Mouth		C	C	B	B
			Wetland					
Pauatahanui inlet	Pauatahanui steep rural streams	Horokiri and Motukaraka	Battle Hill					
			Near Pauatahanui Golf Club		B/A	B/A	A	A
		Kakaho Stream	Mouth					
		Judgeford Stream	Bottom of sub-catchment					
	Pauatahanui rural streams	Pauatahanui Stream	Middle reaches		B	B	A	A
		Ration Creek	Mouth					
	Pauatahanui urban streams	Lower Duck Creek	Mouth		B	B	B	A
Pauatahanui fringe streams		Titahi Bay as proxy						
Onepoto inlet	Onepoto steep rural streams	Rangituhi Stream	Bottom of sub-catchment					
		Takapu Stream	Bottom of sub-catchment		C?	C?	B	B
		Upper Kenepuru	Bottom of sub-catchment					
	Onepoto rural streams	Belmont Stream	Lincolnshire Farms					
		Stebbings Stream	Bottom of sub-catchment		B	B	A	A
	Onepoto small urban streams	Hukarito Stream	Mouth					
		Mahinawa Stream	Mouth		C	C	C	C
		Onepoto Fringe	Elsdon					
		Titahi	Titahi Bay					
	Kenepuru Stream	Kenepuru	Mouth		B	C/B	C/B	C/B
Porirua Stream	Porirua	Grenada North industrial						
		Mitchell Stream						
		Willowbank						
		Kenepuru Drive		C/B	C/B	B	B	

Attribute state - Native fish				
	A	B	C	D
Description	Fish community is typical of undisturbed or reference conditions for the stream type	All expected reference condition species are present but populations may be under a low level of stress from, for example: <ul style="list-style-type: none"> Habitat disturbance passage barriers toxicants or organic pollutants 	Most expected reference condition species are present but populations may be under a moderate level of stress from, for example: <ul style="list-style-type: none"> Habitat disturbance passage barriers toxicants or organic pollutants 	Fish community shows large changes with loss of species that would be expected for the reference stream type. Reflects significant levels of disturbance and/or pollution.

Likely change within a band				
Much worse	A bit worse	No change	A bit better	Much better
↓↓	↓		↑	↑↑

NB. This is not a NOF attribute

1) Assessments are for the subcatchment rather than particular reporting site