

appendix 6

riparian and

coastal margin

overlays

AP6 overview

AP6.i This appendix lists all those riparian and coastal margins identified as having riparian values.

AP6.1 riparian and coastal margins with identified riparian values



AP6.1.i Table 6.1 contains a listing of identified riparian values of the rivers and streams throughout the Nelson City Council area. The purpose of the table is to provide information on relevant riparian values of particular margins, to be taken into account at the time any resource consent or plan change is considered.

AP6.1.ii Conservation values are assigned into three categories dependent on the size and nature of the river concerned.

Priority 1 conservation values

These include the main stem of larger rivers. These reaches have a range of values including:

- a) Trout fishing, swimming, walking, passive recreation, kayaking and other boating
- b) Identified wildlife corridors/significant native riparian vegetation
- c) Flood management zones
- d) Water quality being managed for fishery and contact recreation purposes

Priority 2 conservation values

These include smaller rivers and significant tributaries of larger rivers. Management of these areas is primarily to protect habitats of fish and fowl and for water quality purposes. These reaches have a range of values including:

- a) Identified trout spawning streams, whitebait spawning streams, wildlife habitat streams especially for waterfowl, waterbodies with rare species
- b) Permanently flowing streams greater than 3 m bank width as native fish habitat (unless lacking fishery values confirmed by survey)
- c) Spring fed creeks or any having high water clarity
- d) Water quality being managed for aquatic ecosystems or water supply purposes

Priority 3 conservation values

These include small first order streams which may need some protection to maintain water quality. The degree of protection is largely dependent on slope. There is little benefit in protecting stream margins on high slope angles where suitable land use controls are more appropriate.

Where appropriate, conditions may be placed on resource consents to avoid, remedy or mitigate adverse effects on the values identified. Such conditions could include, but would not be restricted to matters such as:

- a) Timing of earthworks.
- b) Revegetation following earthworks.
- c) Control of stormwater and other discharges.
- d) Location of structures.
- e) Protection of significant vegetation.
- f) Protection of instream habitats.
- g) Water Quality.

AP6.1.iii Esplanade reserves or strips not specified in Table 6.2 of Appendix 6 will only be required as a condition of a resource consent or plan change where they are the only practical means of avoiding, remedying or mitigating the adverse effects from an activity to which the consent relates. Examples of situations where this could occur include:

- a) A resource consent or plan change for a hotel or tourism development next to a river reach of high value for access or conservation purposes.
- b) The rezoning of an area from rural to residential or a resource consent, or plan change creating lots of a smaller size than provided for in the area as a controlled activity and adjoining a riparian margin of significant value for conservation, access or hazard mitigation purposes.

Table 6.1 riparian values

River	Reach	Values
Coastal margins	All coastal margins including Waimea Inlet, Nelson Haven, Delaware Inlet, and Whangamoa Inlet but excluding the active Port area comprising the existing Port Commercial Zone	Conservation Access Hazard mitigation For further details regarding coastal margins see Appendix 4 (marine ASCV overlay)
Roding River	City boundary to waterworks reserve caretakers house	Conservation (aquatic habitat) priority 2 Access
	Caretakers house upstream to headwaters including Champion and United Creeks	Conservation (aquatic habitat) priority 1 Access Recreation
Saxton Creek	Coast inland including first tributary to Champion Road and main stream above first tributary to next confluence	Conservation (aquatic habitat) priority 3 Access coast to Champion Road Hazard mitigation flood capacity
Orphanage Creek	Coast to Saxton Road	Hazard mitigation flood capacity Access through urban development Conservation (aquatic habitat) priority 3
	Saxton Road to Suffolk Road	Hazard mitigation flood capacity Access through urban development Conservation (aquatic habitat) priority 3
	Suffolk Road to headwaters	Hazard mitigation flood capacity Access where/when urban development occurs Conservation (aquatic habitat) priority 3

PC18

River	Reach	Values
Orchard Creek	Coast to Nayland Road	Access when urban development occurs Hazard mitigation flood capacity
	Nayland Road to headwaters	Hazard mitigation flood capacity
Poorman Valley Stream	Coast to Marsden Valley Reserve	Conservation (aquatic habitat) priority 3 Access to coast and through urban area Hazard mitigation flood capacity
	Marsden Valley Reserve to headwaters	Conservation (aquatic habitat) priority 3 Access to reserve
Arapiki Stream	Junction with Jenkins Creek to Quarantine Road second crossing upstream	Conservation (enhancing aquatic habitat) Hazard mitigation flood capacity
	Quarantine Road second crossing upstream to the Ridgeway	Hazard mitigation flood capacity
Jenkins Creek	Coast to confluence with Poorman Valley Stream	Access to coast
	Confluence with Poorman Valley Stream to Quarantine Road	Conservation enhancing aquatic habitat Access to coast Hazard mitigation flood capacity
	Quarantine Road to Annesbrook Drive	Conservation enhancing aquatic habitat Access along river Recreation Hazard mitigation flood capacity
	Annesbrook Drive to Gracefield Street	Access along river Hazard mitigation flood capacity
	Gracefield Street to Newman Drive	Hazard mitigation flood capacity
	Newman Drive to Enner Glynn Road head	Access where urban development occurs Hazard mitigation flood capacity
	Tributary to forest remnant	Access along stream
York Stream	St Vincent Street to Waimea Road	Hazard mitigation flood capacity
	York Dam to headwaters	Hazard mitigation flood capacity
Brook Stream	Maitai confluence to above Brook Motor Camp grid 027(346 871)	Conservation (aquatic habitat and water quality) priority 1 and 2 Access where urban development occurs Hazard mitigation flood capacity
	Tanragee Road to Tanragee Saddle	Public access along river Conservation (water quality) priority 3
	Side creeks	Conservation (aquatic habitat) priority 3 Access along river Recreation
Maitai River	The Haven to Pole Ford Bridge	Conservation (aquatic habitat and water quality) priority 1 Access along river Recreation Hazard mitigation flood capacity
	Pole Ford Bridge to headwaters	Conservation (aquatic habitat and water quality) priority 1 Access along river Recreation
	Side creeks including Kaka Hill tributary, Sharlands and Packers Creeks	Conservation (aquatic habitat and water quality) priority 2 and 3 Access along river Recreation Hazard mitigation flood capacity

River	Reach	Values
Oldham Creek	Main channel from Corder Pond to Hodgson Place east boundary	Conservation (water quality) priority 3 Hazard mitigation flood capacity
	Main channel from Hodgson Place east boundary up true left branch to tributary confluence	Conservation (water quality) priority 3 Access through urban development Hazard mitigation flood capacity
	Tributary from Werneth Place to forest remnant	Access along river
	Main channel confluence east of Hodgson Place east boundary up true right tributary	Conservation (water quality) priority 3 Access through urban development Hazard mitigation flood capacity
	Strathaven Place branch from Naumai Street through Strathaven Place (both tributaries)	Conservation (water quality) priority 3 Hazard mitigation flood capacity
Todds Valley Stream	Mouth to SH6	Conservation (aquatic habitat priority 2)
	SH6 main valley including Little Todds Valley	Conservation (aquatic habitat and water quality) priority 2 and 3 Hazard mitigation flood capacity
Wakapuaka flats drains	Haven to Rural Zone boundary	Conservation (water quality) priority 3 Access to wildlife areas and public land
Waihi Creek	Coast to above Cable Bay Walkway	Conservation (water quality) priority 2
Delaware Inlet	Inlet margins	Conservation (see Appendix 4 - marine ASCV overlay) Access along coast Recreation
	Minor creeks draining to Delaware Inlet excluding Wakapuaka Main Stem	Conservation (aquatic habitat) priority 2 and 3
Wakapuaka Main Stem	Delaware Inlet to headwaters including Swift Stream and Slater Creek	Conservation (aquatic habitat and water quality) priority 1 Access along river Recreation Hazard mitigation flood capacity
	Major side streams between Delaware Inlet and Hira township	Conservation (aquatic habitat and water quality) priority 2 and 3
Lud River	SH6 to Lud Valley Road end	Conservation (aquatic habitat and water quality) priority 2 Access where land use intensifies Hazard mitigation flood capacity
	Lud Valley Road end to grid O27 413 940, Sharlands Road	Conservation (aquatic habitat and water quality) priority 3 Access (to Maitai)
	Headwaters, streams	Conservation (aquatic habitat and water quality) priority 3
Teal Valley	SH6 to headwaters including main side streams	Conservation (aquatic habitat and water quality) priority 2 Access where land use intensifies Hazard mitigation flood capacity
	Upper headwaters	Conservation (aquatic habitat and water quality) priority 3
Whangamoia Inlet	Inlet margins	Conservation (see Appendix 4 - marine ASCV overlay) Access to coast and along coast Recreation
	Frenchman's Stream and Toi Toi Stream	Conservation (aquatic habitat and water quality) priority 2

River	Reach	Values
Whangamoia River	Main stream inlet to Graham Stream confluence	Conservation (aquatic habitat) priority 1 Access along river and to coast Recreation
	True right tributaries: Elizabeth Stream, Dencker Creek, Collins River (including Blunder Creek), and Graham Stream	Conservation (aquatic habitat and water quality) priority 2 and 3 Access where land use intensifies
	Mainstream from Graham Stream confluence to grid 027 (472 967)	Conservation (aquatic habitat and water quality) priority 2
	Unnamed tributaries on the true right	Conservation (aquatic habitat and water quality) priority 3
Omokau Bay Stream		Conservation (aquatic habitat and water quality) priority 2
Oananga Bay Stream		Conservation (aquatic habitat and water quality) priority 2

AP 6.2 riparian or coastal areas with priority values

AP6.2.i Table 6.2 identifies riparian and coastal land with priority values. Esplanade reserves will be set aside, or esplanade strips created, in these areas upon subdivision and road stopping. Land uses in esplanade areas are also regulated by zone rules.

AP6.2.ii The esplanade requirements column indicates whether an esplanade reserve or esplanade strip is required and its width from the river bank or mean high water springs in metres (eg. 20 m). One or both banks may be indicated.

AP6.2.iii Where land that is referred to in the Table is in the Coastal Environment Overlay, the requirements for that Overlay prevail over any other requirements in the Table. Where land referred to in the Table is in the Small Holdings Area, the requirements for that Area prevail over any requirements stated for the Rural Zone.

AP6.2.iv Where the taking of an esplanade reserve or creation of an esplanade strip results in an unworkable severance of land (for example a residual narrow strip between the reserve or strip to be created and the property boundary), Council will consider rationalising the esplanade requirements contained within Table 6.2 to take into account an such severance.

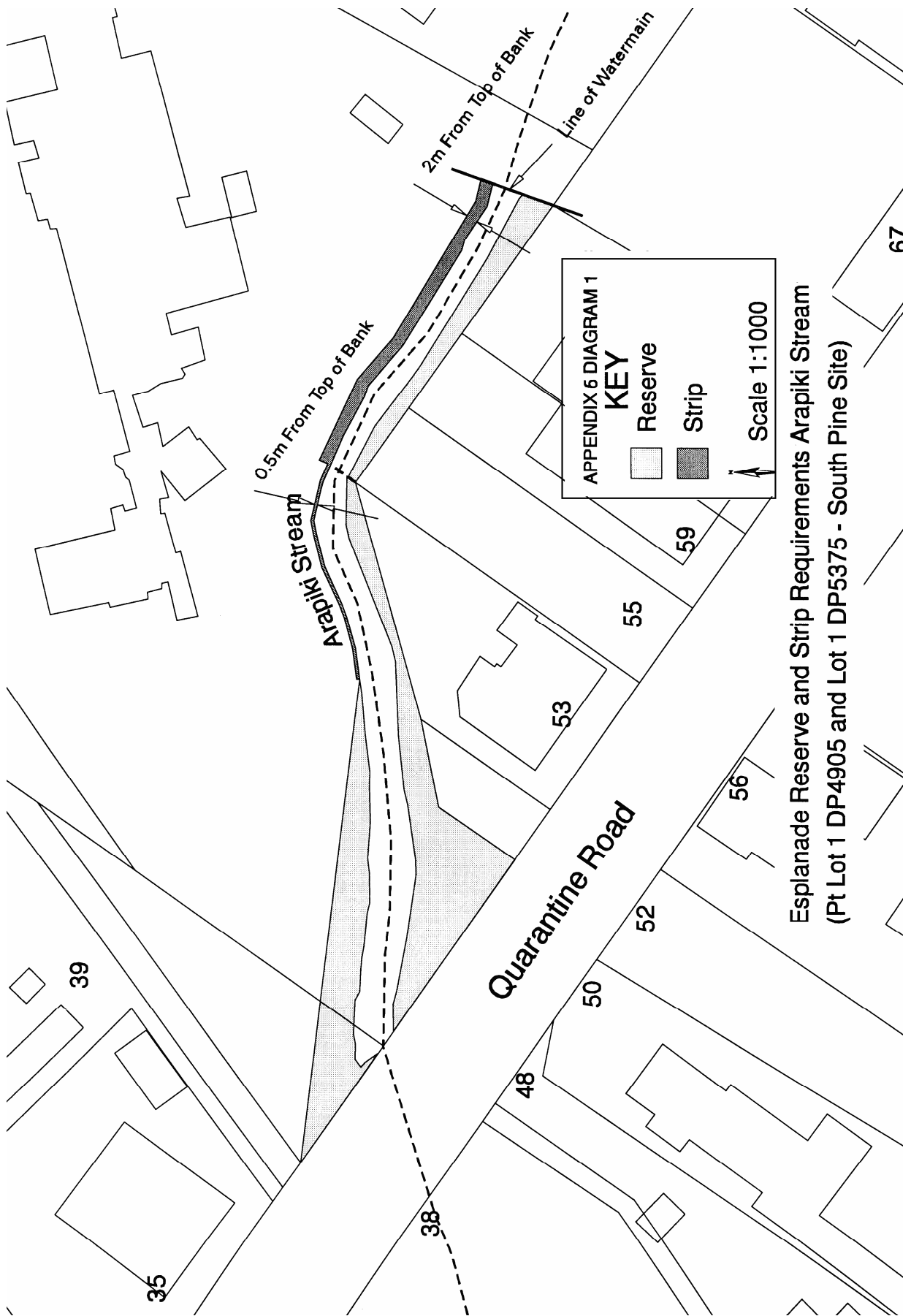
Table 6.2 priority values

River	Reach	Values	Esplanade requirements
Coastal margins	NCC/TDC boundary to Songer St	Conservation Access Hazard Mitigation	All zones and overlays
Roding River	City boundary to Conservation Zone boundary	Conservation Access	Rural Zone Strip 20m - both river banks
Orphanage Creek	Coast to Main Road Stoke	Hazard mitigation Access	Coastal Environment Overlay Reserve 15m - both river banks Industrial Zone Reserve 15m - both river banks
	Saxton Road to Suffolk Road	Access Conservation Hazard mitigation	Residential Zone Reserve corridor of 25m including the river bed and both river banks
	Suffolk Road to headwaters	Hazard mitigation Access	Residential Zone Reserve corridor of 25m including the river bed and both river banks Small Holdings Overlay Strip 5m both river banks
Orchard Creek	Coast to Nayland Road	Access Hazard mitigation	Coastal Environment Overlay Reserve 25m corridor Residential Zone Reserve - 25m corridor
Poorman Valley Stream	Seaview Road to Christian Academy	Access Conservation Hazard mitigation	Residential Zone Strip 10m - both river banks Suburban Commercial Zone Strip 10m - both river banks
	Christian Academy to Marsden Valley Reserve	Access Conservation Hazard mitigation	Marsden Valley Small Holdings Area Reserve 20m - both river banks Marsden Valley Residential Area Reserve 20m - both river banks Other Small Holdings Area Reserve 5m - both river banks
	Marsden Valley reserve to road head	Access	Rural Zone Strip 5m - both river banks

River	Reach	Values	Esplanade requirements
Arapiki Stream	Jenkins Creek confluence to Quarantine Road second crossing	Conservation Hazard mitigation	Coastal Environment Overlay Reserve 10m both river banks Industrial Zone Reserve 10m both river banks Southpine site (Pt Lot 1 DP4905 and Lot 1 DP5375) requirements as per Appendix 6 Diagram 6.1
	Quarantine Road to Ridgeway	Hazard mitigation	Industrial Zone Strip 5m - both river banks Residential Zone Strip 5m - both river banks
Jenkins Creek	Confluence with Poorman Valley Stream to Quarantine Road	Access Conservation Hazard mitigation	Coastal Environment Overlay Reserve 10m - both river banks Residential Zone Reserve 10m - both river banks Industrial Zone Reserve 10m - both river banks
	Quarantine Road to Annesbrook Drive	Conservation Access	Industrial Zone Reserve 10m - both river banks
	Annesbrook Drive to Gracefield Street	Access Hazard mitigation	Residential Zone Strip 5m - both river banks
	Gracefield Street to Beatson Road	Hazard mitigation	Residential Zone Strip 10m - both river banks
	Beatson Road to Newman Drive	Hazard mitigation	Residential Zone Strip 5m - both river banks
	Newman Drive to Enner Glynn Road head (grid 027 323885)	Access Conservation Hazard mitigation	Residential Zone Reserve 20m - both river banks Small Holdings Area Strip 5m - both river banks Rural Zone Strip 5m - both river banks
York Stream	St Vincent Street/Totara Street corner to Waimea Road	Hazard mitigation	Residential Zone Strip 5m - both river banks
	York Dam to headwaters	Hazard mitigation	Rural Zone Strip 10m - both river banks
Brook Stream	328 Brook Street to above Brook Motor Camp (grid 027 346871)	Hazard mitigation Conservation Access	Residential Zone Reserve Corridor of 30m including the river bed and both river banks
	Tributary Brook confluence to Tantragee Saddle	Access	Rural Zone Strip 5m - both river banks
Maitai River	The Haven to Jickells Bridge (with the exception of the true left bank between Paru Paru Road and Trafalgar Street)	Conservation Access Hazard mitigation	All zones and overlays Reserve 10m true left bank Reserve 5m true right bank
	The true left bank between Paru Paru Road and Trafalgar Street	Conservation Access Hazard Mitigation	Inner City Fringe and Inner City Centre Reserve averaging 7.5m with a minimum width of 5m
	Jickells Bridge to Conservation Zone boundary	Conservation Access Hazard mitigation	Small Holdings Area Reserve 20m - both river banks Rural Zone Reserve 20m - both river banks

River	Reach	Values	Esplanade requirements
Maitai River	Sharlands Creek Maitai confluence to headwaters and lower Kaka Hill tributary	Conservation Access Hazard mitigation	Rural Zone Strip 20m - both river banks
	Groom Creek/Maitai confluence to Tantragee Saddle	Access Conservation	Rural Zone Strip 5m - both river banks
Oldham Creek	Corder Pond to Hodgson Place east boundary	Hazard mitigation Conservation	Coastal Environment Overlay Reserve 5m - both river banks Residential Zone Reserve 5m - both river banks
	Strathhaven Place branch from Naumai Street through Strathhaven Place (both branches)	Hazard mitigation Conservation	Residential Zone Reserve 5m - both river banks
	Werneth Place to forest remnant (grid 027 375965)	Access	Suitable access to be negotiated with the landowners concerned
Todds Valley Stream	SH6 main valley (Todds Bush Road only) through the residential zone to the Small Holdings Area/Rural Zone boundary	Hazard mitigation Conservation	Residential Zone Reserve corridor 20m wide including the stream bed
	Mouth to SH6	Conservation Water quality	Coastal Environment Overlay Reserve 20m - both river banks Conservation Zone/Rural Zone Strip 20m - both river banks
	Lower and Central Reaches	Hazard mitigation access conservation	Adjacent to or in a Residential Zone a reserve 5m wide on the southern side in addition to the stream bed width designed to a Q50 level (50 year return flood event) for access purposes together with 1m wide reserve on the northern side for stream vegetation protection and enhancement purposes the measurement to be taken from a point allowing for a 400mm freeboard for waterway.
	Todd Valley East Reach	Hazard mitigation access conservation	Adjacent to or in a Residential Zone a reserve 5m wide on the southern side in addition to the stream bed width designed to a Q15 level (15 year return flood event) for access purposes together with 1m wide reserve on the northern side for stream vegetation protection and enhancement purposes the measurement to be taken from a point allowing for a 400mm freeboard for waterway.
Wakapuaka Drains	Haven to edge of Rural Zone boundary	Conservation Access	Coastal Environment Overlay Strip 5m - both river banks

River	Reach	Values	Esplanade requirements
Delaware Inlet	Inlet margins	Conservation Access	Coastal Environment Overlay Reserve 20m
	Minor creeks draining to Delaware Inlet excluding Wakapuaka Main Stream	Conservation	Coastal Environment Overlay Strip 10m - both river banks
Wakapuaka Main Stream	Delaware Inlet to Hira township	Conservation Access Hazard mitigation	Coastal Environment Overlay Strip 10m true left, 5m true right Rural Zone Strip 10m true left, 5m true right Small Holdings Area Reserve 20m true left, 5m true right
	Hira township to Ross Road turnoff	Conservation Access	Small Holdings Area Reserve all land between the road reserves of Ross Road and SH6
	Ross Road turnoff to last Whangamoā layby	Conservation Access	Small Holdings Area Reserve 20m true right, 5m true left Rural Zone Strip 10m true right, 5m true left
Teal River	SH6 to Small Holdings Area boundary	Hazard mitigation Access Conservation	Small Holdings Area Strip 5m both river banks
Lud River	SH6 to Small Holdings Area boundary	Conservation Access Hazard mitigation	Small Holdings Area Strip 5m - both river banks
Whangamoā Inlet	Inlet margins	Conservation Access	Coastal Environment Overlay Reserve 20m Rural Zone Reserve 20m
	Frenchman's Stream and Toi Toi Stream	Conservation	Coastal Environment Overlay Strip 20m - both river banks Rural Zone Strip 20m - both river banks
Whangamoā River	Whangamoā Main Stream inlet to Graham Stream confluence	Conservation Access	Coastal Environment Overlay Strip 10m true right, 5m true left Rural Zone Strip 10m true right, 5m true left -
Omokau Bay Stream		Conservation	Coastal Environment Overlay Strip 20m - both river banks Rural Zone Strip 20m - both river banks



Esplanade Reserve and Strip Requirements Arapiki Stream
 (Pt Lot 1 DP4905 and Lot 1 DP5375 - South Pine Site)

Diagram 6.