

16. Structures and Activities involving the Beds of Rivers, Lakes and Artificial Watercourses, and Damming

16.1 Policies

Policy 16-1: Consent decision making for activities in river and lake beds (including modified watercourses)

When making decisions on resource consent applications, and setting consent conditions, for activities in, on, under or over the bed of a river or lake the Regional Council will:

- (a) recognise and provide for the policies regarding the beds of rivers and lakes in Section 6.4.4, and have regard to the other provisions of Chapter 6 where appropriate
- (b) have regard to the extent to which the activity is consistent with best management practices
- (c) seek to avoid where practicable any adverse effects on any other lawful activity in, on, under or over the bed of the river or lake, including existing structures
- (d) have regard to whether the activity is of a temporary nature or is associated with necessary maintenance work
- (e) recognise and provide for the provisions of Chapter 10 in relation to flood management.

Policy 16-2: Consent decision making for activities in the beds of artificial watercourses and artificial lakes

When making decisions on resource consent applications, and setting consent conditions, for activities in, on, under or over the bed of an artificial watercourse (including farm drainage canals and canals for the supply of water for electricity power generation) or artificial lake the Regional Council will:

- (a) recognise and provide for the purpose for which the artificial watercourse or artificial lake was established
- (b) in circumstances where the artificial watercourse or artificial lake joins a river or lake, recognise and provide for the policies regarding the beds of rivers and lakes in Section 6.4.4, and have regard to the other provisions of Chapter 6 where appropriate
- (c) seek to avoid, remedy or mitigate adverse effects on any significant ecosystems intrinsic to the artificial watercourse or artificial lake
- (d) manage the activity in accordance with subsections (b) to (e) of Policy 16-1.

16.2 Standard Conditions for Permitted Activities involving the Beds of Rivers and Lakes

The table below sets out standard conditions for activities involving the beds of rivers and lakes. These standard conditions are referred to in a number of the permitted activity rules in this chapter. The table firstly sets out standard conditions for all rivers and lakes under the value of Life-Supporting Capacity (this value applies to all rivers and lakes as shown in Schedule D). It then sets out additional conditions for other values that apply to specific reaches of rivers, as listed in Schedule D. Schedule D must be referred to in order to identify the locations of the water management zones to which these other values apply, and whether they are therefore relevant to a particular activity.

Table 16.1 Standard conditions for permitted activities involving the beds of rivers and lakes

Value	Condition
Life-Supporting Capacity	<ul style="list-style-type: none"> (a) The activity shall not adversely reduce the ability of the waterbody to convey flood flows, floating debris or sediment. (b) There shall be no discharge of contaminants, other than sediment and other contaminants inherent to the water or bed, into the river or lake. (c) Any discharge of sediment directly caused by the activity shall not be undertaken for more than 5 days, or for more than 12 hours on any one of those 5 days. (d) Any discharge of sediment under condition (c) shall not, after reasonable mixing*, cause any conspicuous change in the colour of water in the receiving waterbody, or any change in horizontal visibility of greater than 30%, more than 24 hours after completion of the activity. (e) Any materials used shall be necessary for the activity and shall not be toxic* to aquatic ecosystems. (f) Any materials no longer required as part of the activity, including any temporary structures, shall not be stored in or on any river or lake bed and shall be removed after completion of the activity. (g) Refuelling of machinery shall not take place in any area where spills may enter surface water. (h) The activity shall be undertaken in a manner that provides for the safe passage of fish both upstream and downstream, including past any structure. (i) Any diversion of water required for works associated with a structure shall be temporary, shall be within the bed of the river, shall not exceed 100 m in length, shall not be between catchments, shall not involve a lake (except artificial lakes), and the diversion channel shall have sufficient capacity to carry the same flow as the original bed. (j) Upon completion of any channel bank works, the banks shall be reinstated to a natural contour and revegetated. (k) Any permanent straightening or channeling of a river must not exceed a length equal to two times the bed width of the river in any 2-km length of river in any 12-month period. (l) The activity shall not disturb any archaeological site, waahi tapu or koiwi remains as identified in any district plan, in the New Zealand Archaeological Association's Site Recording Scheme, or by the Historic Places Trust except where Historic Places Trust approval has been obtained.

Value	Condition
	(m) In the event of an archaeological site, waahi tapu or koiwi remains being discovered or disturbed while undertaking the activity, the activity shall cease and the Regional Council shall be notified as soon as practicable. The activity shall not be recommenced without the approval of the Regional Council.
Riparian Habitat (applies to all sites with a value of Riparian Habitat as shown in Schedule D)	(n) Between 1 August and 31 December, gravel extraction and bed disturbance on gravel beaches shall only take place: (i) within 7 days following a flood of the area of beach that is the subject of the activity, or (ii) where the extraction or disturbance commenced at the same location prior to 1 August and has not been interrupted for more than 7 days.
Inanga Spawning (applies to all sites with a value of Inanga Spawning as shown in Schedule D)	(o) The use of mobile machinery in or on the bed of a river or lake in a manner that disturbs the bed shall not take place between 1 February and 1 May.
Native Fishery (applies to all sites with a value of Native Fishery as shown in Schedule D)	(p) The use of mobile machinery in or on the bed of a river or lake in a manner that disturbs the bed of the active flowing channel shall not take place in the following locations at the following times: (i) in any waterbody valued as a whitebait fishery between 1 October and 30 November (ii) In any waterbody valued as a koura fishery, between 1 April and 31 December.
Trout Spawning (applies to all sites with a value of Trout Spawning as shown in Schedule D)	(q) The use of mobile machinery in or on the bed of a river or lake in a manner that disturbs the bed of the active flowing channel shall not take place in waterbodies valued for the spawning of trout between 1 May and 30 September.
Trout Fishery (applies to all sites with a value of Trout Fishery as shown in Schedule D)	(r) There shall be no removal of instream woody debris less than 2 m ³ in size unless this is required to reduce the risk of flooding or erosion.
Amenity (applies to all sites with a value of Amenity as shown in Schedule D)	(s) Existing public access to or along a river or lake shall not be rendered unsafe by the activity. (t) Existing public access to or along a river or lake may be rendered unavailable where this is necessary for public safety or for the purpose of undertaking the activity, provided the public access is re-opened as soon as practicable. (u) Activities shall not result in suspended sediment being conspicuous at public bathing beaches, as shown in Schedule D, during weekends and public holidays between 1 December and 28 February.
Existing Infrastructure	(v) No excavation of the riverbed shall take place within 500 m upstream or 1 km downstream of any flow-recording site.

16.3 Rules – Special Rivers and Lakes

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
16-1 Damming of protected rivers	<p>The erection or placement of a dam structure pursuant to s 13(1) RMA in or on the bed of the following rivers, and any associated damming of water pursuant to s 14(1) RMA:</p> <ul style="list-style-type: none"> (a) the main stem of the Manganui o Te Ao River and the main stems of its tributaries, the Makatote River, the Mangaturuturu River, the Waimarino Stream and the Orautoha Stream, (b) the Upper and Middle Rangitikei River as defined in the Water Conservation (Rangitikei River) Order 1993, and downstream of the Middle River where the dam structure has the effect of impounding water upstream of the confluence with the Hautapu River (c) the main stem of the Hautapu River above its confluence with the Oraukura Stream and the main stems of its tributaries, the Iirangi Stream and the Waiouru Stream (d) the main stem of the Makuri River and the main stem of its tributary the Makuri-iti Stream (e) the main stem of the Mangatainoka River and the main stems of its tributaries, the Makakahi River and its Bruce Stream tributary, the Mangaroa, Mangamaire, Makotukutuku and Mangaraupiu streams, and an unnamed tributary entering the Mangatainoka River at map reference NZMS 260 T25:368-654 (f) the main stem of the Whanganui River from its source at map reference NZMS 260 T19:383-286 to the boundary of the coastal marine area, and the main stem of the 	Prohibited		

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
	<p>Whakapapa River and the main stems of its tributaries the Whakapapaiti and Whakapapanui Streams</p> <p>(g) the main stem of the Manawatu River through the Manawatu Gorge from the Ballance Bridge to the confluence of the Pohangina and Manawatu Rivers</p> <p>(h) the main stem of the Pohangina River from its source to its confluence with the Manawatu River near the Manawatu Gorge</p> <p>(i) the main stem of the Oroua River from its source to its confluence with the Mangoira Stream at map reference NZMS 260 T22:578-378.</p>			
<p>16-2 Other structures and disturbances in protected rivers</p>	<p>(a) the erection or placement of a structure in or on the bed of the rivers listed below pursuant to s 13(1) RMA, except for:</p> <p>(i) dam structures, which are prohibited by Rule 16-1</p> <p>(ii) lines, cables, pipelines and ropeways, which are regulated by the rules in Section 16.7.</p> <p>(b) any excavation, drilling, tunnelling or other disturbance of the bed of the rivers listed below pursuant to s 13(1) RMA except for disturbances associated with lines, cables, pipelines and ropeways.</p> <p>The rivers to which this rule applies are:</p> <p>(c) the main stem of the Manganui o Te Ao River and the main stems of its tributaries, the Makatote River, the Mangaturuturu River, the Waimarino Stream and the Orautoha Stream</p> <p>(d) the Upper Rangitikei River as defined in the Water Conservation (Rangitikei River) Order 1993</p>	<p>Non-complying</p>		

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
	<ul style="list-style-type: none"> (e) the main stem of the Hautapu River above its confluence with the Oraukura Stream and the main stem of its tributary the Iirangi Stream (f) the Makuri Gorge reach, beginning approximately 0.5 km downstream of the Makuri township bridge at map reference T25:643-700 and extending to a point approximately 3.5 km downstream to the end of the gorge at map reference T25:605-692. 			
<p>16-3 Reclamation and drainage of regionally significant lakes</p>	<p>Any reclamation or drainage of the bed of the following lakes pursuant to s 13(1) RMA, excluding any existing reclamations and drainage:</p> <ul style="list-style-type: none"> (a) Lake Horowhenua (b) Lake Papaitonga (c) Pukepuke Lagoon. 	<p>Non-complying</p>		
<p>16-4 Structures and disturbances involving waterbodies valued as Natural State, Sites of Significance - Aquatic, and Sites of Significance - Cultural</p>	<p>Any of the following activities pursuant to s 13(1) RMA:</p> <ul style="list-style-type: none"> (a) Natural State waterbodies <ul style="list-style-type: none"> (i) The erection, placement or extension of any structure in, on, under or over the bed of a river or lake valued as Natural State* (including lines, cables pipelines and ropeways) (ii) Any excavation, drilling, tunnelling or other disturbance of the bed of a river or lake valued as Natural State* (b) Sites of Significance - Aquatic and Sites of Significance - Cultural waterbodies <ul style="list-style-type: none"> (i) The erection, placement or extension of any structure in or on the bed of a river or lake valued as a Site of Significance - Aquatic* or Site of Significance - Cultural*, except for those activities listed in (c) and (d) 	<p>Discretionary</p>		

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
	<p>(ii) Any excavation, drilling, tunnelling or other disturbance of the bed of a river or lake valued as a Site of Significance - Aquatic* or Site of Significance - Cultural*, except for those activities listed in (c) and (d).</p> <p>This rule does not include:</p> <p>(c) lines, cables, pipelines and ropeways within a river or lake valued as a Site of Significance - Aquatic* or Site of Significance - Cultural* (these are regulated by Rule 16-10), or</p> <p>(d) activities involving a Site of Significance - Aquatic* within a flood control or drainage scheme, provided the activities are undertaken by the Regional Council in accordance with the Environmental Code of Practice for River Works, Horizons Regional Council April 2007 (these activities are regulated by Rule 16-13).</p>			

16.4 Rules – Use, Maintenance, Repair, Removal and Demolition of Structures

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
16-5 Use of structures	<p>The use of a structure located in, on, under or over the bed of a river or lake pursuant to s 13(1) RMA, and any associated:</p> <p>(a) damming or diversion of water pursuant to s 14(1) RMA, excluding the damming of water associated with dam structures (which is regulated by the rules in Section 16.5)</p> <p>(b) discharge of sediment or water pursuant to</p>	Permitted		

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
	<p>s 15(1) RMA.</p> <p>For the avoidance of doubt, this rule includes the “use” of a dam structure, but excludes the damming of water by a dam structure (under s 14(1) RMA).</p>			
<p>16-6 Maintenance and repair of structures, and associated removal of bed material and plants</p>	<p>(a) Structures - The maintenance* or repair* of a structure located in, on, under or over the bed of a river or lake pursuant to s 13(1) RMA, and any associated:</p> <ul style="list-style-type: none"> (i) disturbance of the river or lake bed pursuant to s 13(1) RMA (ii) damming or diversion of water pursuant to s 14(1) RMA (iii) discharge of water or sediment pursuant to s 15(1) RMA. <p>(b) Associated removal of bed material and plants - The removal of bed material or plants pursuant to s 13(1) or s 13(2) RMA for the purpose of maintaining the functional integrity of a structure located in, on, under or over the bed of a river or lake, including flushing accumulated bed material, and any associated:</p> <ul style="list-style-type: none"> (i) damming or diversion of water pursuant to s 14(1) RMA (ii) discharge of water or sediment pursuant to s 15(1) RMA (iii) deposition of removed bed material or plants in or on the bed pursuant to s 13(1) RMA (iv) discharge of removed bed material or plants onto or into land pursuant to s 15(1) RMA. 	<p>Permitted</p>	<ul style="list-style-type: none"> (a) The activity shall comply with the standard conditions listed in Section 16.2. (b) Any discharge of removed bed material or plants onto or into land shall comply with the conditions of Rule 16-23. 	

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
16-7 Removal and demolition of structures	The removal or demolition of a structure located in, on, under or over the bed of a river or lake pursuant to s 13(1) RMA, and any associated: (a) disturbance of the river or lake bed pursuant to s 13(1) RMA (b) damming or diversion of water pursuant to s 14(1) RMA (c) discharge of water or sediment pursuant to s 15(1) RMA.	Permitted	(a) The activity shall comply with the standard conditions listed in Section 16.2. (b) The Regional Council shall be informed in writing of the removal or demolition of any of the following structures, at least 10 working days prior to the commencement of the removal or demolition: (i) access structures in or on the bed of a river or lake, including bridges, culverts and fords, where the catchment above the structure is greater than 50 ha (ii) structures occupying more than 5 m ² of the bed of a river or lake.	

Rule Guide:

Use, maintenance and repair – The rules above permit the ongoing use, maintenance and repair of structures once they are established (subject to conditions in the case of maintenance and repair activities). For structures requiring a consent to be established, this means that consents can be granted for a short duration. The rules are intended to avoid the need for resource users to hold long-term consents enabling the use or upkeep of structures once they are established.

16.5 Rules – Dams

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
16-8 New and existing small dams	All of the following activities, to the extent that they are relevant, for new and existing dam structures and associated damming within rivers, within artificial watercourses and on land: (a) the erection or placement of a dam in, on, under or over the bed of a river pursuant to s 13(1) RMA (b) the damming of water and any associated taking, diversion or discharge of water that is part of the normal operation of a dam,	Permitted	(a) Any new dam shall not be located in a river or lake prohibited by Rule 16-1 or regulated under Rule 16-4. (b) For a dam in a river, the catchment area above the dam shall be no greater than 50 hectares. (c) The maximum water depth shall be no greater than 3 m (measured from the upstream toe of the dam structure). (d) A spillway shall be constructed to enable the passage of the probable maximum flood without the dam being overtopped. (e) Water impounded by the dam shall not encroach onto adjoining properties.	

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
	pursuant to s 14(1) and s 15(1) RMA (c) any associated disturbance of a riverbed pursuant to s 13(1) RMA (d) any associated discharge of sediment pursuant to s 15(1)RMA.		(f) Dams in permanently flowing watercourses shall maintain a residual flow out of the dam at all times including during filling of the dam. (g) For a dam located in a river the activity shall comply with the standard conditions listed in Section 16.2. (h) For a dam located in an artificial watercourse the activity shall comply with the standard conditions(a) to (m) in Section 16.2 as if these conditions applied to an artificial watercourse.	
16-9 Other existing dams	Any lawfully established damming of water within a river, within an artificial watercourse or on land, and any associated taking, diversion or discharge of water that is part of the normal operation of the dam, pursuant to s 14(1) and s 15(1) RMA, except as permitted by Rule 16-8.	Controlled	(a) The activity shall continue to comply with all conditions, standards and terms that were imposed at the time that the activity commenced. (b) The dam structure shall include a spillway to enable the passage of the probable maximum flood without the dam being overtopped.	Control is reserved over: (a) fish passage (b) water levels and residual flows (c) measures to manage land stability and erosion (d) management of dam failure (e) effects on rare and threatened habitats* and at-risk habitats* (f) duration of consent (g) review of consent conditions (h) compliance monitoring.

Rule Guide:

Dam structures versus damming of water – The use, maintenance and repair of dam structures, once they are established, are permitted by the rules in Section 16.4 (subject to conditions in the case of maintenance and repair activities). Hence for existing dams the rules above only address the **damming of water**, and not the dam structure itself. This means that the Regional Council has decided to accept the presence of existing dam structures (and has declined to give itself the discretion as to whether an existing dam structure should remain). However, the Regional Council does retain control over the effects of damming water on fish passage, residual flow etc. as listed in Rule 16-9. These are the effects of concern to the Council.

16.6 Rules – Other Structures

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
16-10 Lines, cables, pipelines and ropeways	The erection, reconstruction, placement, alteration, or extension of a line, cable, pipeline or ropeway in, on, under or over the bed of a river or lake pursuant to s 13(1) RMA, and any associated: (a) disturbance of the river or lake bed pursuant to s 13(1) RMA, (b) damming or diversion of water pursuant to s 14(1) RMA (c) discharge of water or sediment pursuant to s 15(1) RMA.	Permitted	(a) The line or cable and any associated support structures shall either: (i) be wholly located over or under the bed of the waterbody, or (ii) occupy no more than 20 m ² of the bed of the waterbody. (b) The activity shall not take place in a Natural State* waterbody. (c) The activity shall comply with the standard conditions listed in Section 16.2.	
16-11 Culverts	The erection, reconstruction, placement, alteration, or extension of a culvert in, on, under or over the bed of a river or lake pursuant to s 13(1) RMA and any associated: (a) disturbance of the river or lake bed pursuant to s 13(1) RMA (b) damming or diversion of water pursuant to s 14(1) RMA (c) discharge of water or sediment pursuant to s 15(1) RMA.	Permitted	(a) No new culvert shall be erected or placed in: (i) a river or lake regulated under Rule 16-2 (ii) a river or lake regulated under Rule 16-4 (iii) a waterway managed by the Regional Council within a flood control or drainage scheme, unless the work is undertaken by the Regional Council (iv) a waterway within an urban area, unless the work is undertaken by a Territorial Authority. (b) There shall be only one culvert per crossing. (c) The culvert, associated fill and culvert placement shall comply with the following dimensions: (i) a maximum culvert length of 20 metres (ii) a culvert diameter between 0.3 m and 1.2 metres (iii) a culvert width equal to or greater than the average width of the wetted part of the channel at the location where the culvert intersects the bed (iv) a maximum fill height above the culvert of 2 metres (v) a minimum culvert installation depth below the bed of 0.3 m or 20% of the width of the culvert, whichever is the lesser. (d) The culvert shall be positioned so that its alignment and gradient are the same as the subject waterway. (e) The culvert shall be constructed to allow:	

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
			<ul style="list-style-type: none"> (i) the flow from a 5% annual exceedence probability (20-year return period) flood event without overtopping, unless the overtopping flows to a specifically designed spillway (ii) the flow from a 2-year return period flood event without any flow impediment. (f) The culvert inlet and outlet shall be protected against erosion. (g) All practicable steps shall be used to minimise the release of sediment during construction. (h) The culvert shall be constructed and maintained to avoid any aggradation or erosion of the bed. (i) The culvert shall be kept clear of accumulated debris. (j) The activity shall comply with the standard conditions listed in Section 16.2. 	
<p>16-12 Other structures including bridges, fords and other access structures</p>	<p>The erection, reconstruction, placement, alteration, or extension of any structure that is not regulated by any other rule in, on, under or over the bed of a river or lake pursuant to s 13(1) RMA and any associated:</p> <ul style="list-style-type: none"> (d) disturbance of the river or lake bed pursuant to s13(1) RMA, (e) damming or diversion of water pursuant to s14(1) RMA, or (f) discharge of water or sediment pursuant to s15(1) RMA. 	<p>Permitted</p>	<ul style="list-style-type: none"> (a) No new structure shall be erected or placed in: <ul style="list-style-type: none"> (i) a river or lake regulated under Rule 16-2 (ii) a river or lake regulated under Rule 16-4 (iii) a waterway managed by the Regional Council within a flood control or drainage scheme, unless the work is undertaken by the Regional Council (iv) a waterway within an urban area, unless the work is undertaken by a Territorial Authority. (b) For bridges and other access structures, except fords, located in or on the bed of a river or lake, the catchment area above the structure shall be no greater than 200 hectares. (c) For all structures located in or on the bed of a river or lake, the structure shall occupy a bed area no greater than 20 m² except for whitebait and maimai structures which shall not exceed 5 m². (d) The structure shall be constructed and maintained to avoid any aggradation or scouring of the bed that may inhibit fish passage. (e) The activity shall comply with the standard conditions listed in Section 16.2. 	

16.7 Rules – Activities Within Flood Control and Drainage Schemes

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
Rule 16-13 Activities undertaken by the Regional Council in flood control and drainage schemes	<p>The following activities within a flood control or drainage scheme as shown in Schedule I, where they are undertaken by the Regional Council:</p> <ul style="list-style-type: none"> (a) the erection, reconstruction, placement, alteration, or extension of any structure in, on, under or over the bed of a river or lake (b) the excavation, drilling, tunnelling or other disturbance of the bed of a river (but not lake) pursuant to s 13(1) RMA (c) any damming or diversion of water pursuant to s 14(1) RMA (d) any discharge of water or sediment pursuant to s 15(1) RMA. 	Permitted	<ul style="list-style-type: none"> (a) The activity shall be undertaken in accordance with the Environmental Code of Practice for River Works, Horizons Regional Council April 2007. (b) The activity shall not involve: <ul style="list-style-type: none"> (i) an activity prohibited under Rule 16-1 (ii) an activity regulated under Rule 16-2 (iii) an activity regulated under Rule 16-4. 	
16-14 Activities affecting flood control or drainage schemes	<p>The following activities within a flood control or drainage scheme as shown in Schedule I:</p> <ul style="list-style-type: none"> (a) the planting of a tree* or shrub* (b) the erection or placement of any building, fence or other structure (including accessways but excluding fences) (c) the erection or placement of a fence perpendicular to a watercourse (d) the erection or placement of a fence greater than 1.2 m high parallel to a watercourse (e) the deposition of any rock, shingle, earth, debris or other cleanfill (f) any excavation, drilling or tunnelling likely to undermine the functional integrity of a stopbank or river control structure (g) any land disturbance* that impedes access 	Discretionary		

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
	<p>required for maintenance of a river or drainage scheme</p> <p>where the activities listed in (a) to (g) are undertaken in any of the following areas:</p> <p>(h) within the bed of a river or artificial watercourse</p> <p>(i) on a stopbank</p> <p>(j) on any strip of land between an artificial watercourse or riverbed, and 8 m from the inland toe of a stopbank</p> <p>(k) for areas without stopbanks, anywhere within 10 m of an artificial watercourse or riverbed.</p> <p>This rule does not apply to activities undertaken by the Regional Council.</p>			

16.8 Rules – Gravel Extraction, Bed Disturbances and Plants

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
16-15 Small-scale gravel extraction	The excavation, tunnelling or other disturbance of the bed of a river (but not lake) for the purpose of removing gravel and other bed material, pursuant to s 13(1) RMA.	Permitted	<ul style="list-style-type: none"> (a) The activity shall not take place in a river or lake regulated under Rule 16-2 or Rule 16-4. (b) The amount of gravel and bed material removed shall not exceed 50 m³ in any 12-month period. (c) No excavation shall take place within 500 m upstream or 1 km downstream of any flow recording site. (d) The gravel or other material shall be removed from an area of riverbed that is not covered by water at the time of extraction. (e) The activity shall comply with the standard conditions listed in Section 16.2. 	
16-16 Other minor bed disturbances	<p>Except as regulated by other rules, the excavation, drilling, tunnelling or other disturbance of the bed of a river (but not lake) pursuant to s 13(1) RMA and any associated:</p> <ul style="list-style-type: none"> (a) damming or diversion of water pursuant to s 14(1) RMA, or (b) discharge of sediment pursuant to s 15(1) RMA. <p>This rule does not include gravel extraction.</p>	Permitted	<ul style="list-style-type: none"> (a) The activity shall not take place in a river regulated under Rule 16-2 or Rule 16-4. (b) The activity shall comply with the standard conditions listed in Section 16.2. 	
16-17 Plants	<p>The introduction, planting, removal or destruction of a plant in or on the bed of a river or lake pursuant to s 13(1) or s 13(2)(b) RMA, and any associated:</p> <ul style="list-style-type: none"> (a) disturbance of the river or lake bed pursuant to s 13(1) RMA, (b) damming or diversion of water pursuant to s 14(1) RMA, or (c) discharge of water or sediment pursuant to s 15(1) RMA. 	Permitted	<ul style="list-style-type: none"> (a) No pest plant, as listed in the Regional Pest Plant Management Strategy, shall be introduced or planted. (b) The activity shall not involve the planting of a tree* or shrub* in a flood control or drainage scheme, as regulated by Rule 16-14. (c) The activity shall not involve the removal or destruction of plants in Lake Papaitonga, Pukepuke Lagoon or Lake Horowhenua except for a radius of 500 m from the Lake Horowhenua outlet weir (which is permitted by this rule). (d) The activity shall comply with the standard conditions listed in Section 16.2. 	

16.9 Rules – Activities in Artificial Watercourses and Artificial Lakes

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
<p>16-18 Minor activities involving the beds of artificial watercourses</p>	<p>Any:</p> <ul style="list-style-type: none"> (a) damming or diversion of water pursuant to s 14(1) RMA (b) discharge of water, sediment, bed material or plants pursuant to s 15(1) RMA associated with any of the following activities: (c) the maintenance, repair, alteration, extension, removal or demolition of a structure or part of a structure in, on, under or over the bed of an artificial watercourse (d) the removal of bed material or plants for the purpose of maintaining the functional integrity of a structure, including flushing accumulated bed material (e) the discharge of removed bed material or plants onto or into land (f) the excavation, drilling, tunnelling, or other disturbance of the bed of an artificial watercourse (g) the introduction, planting, removal or destruction of a plant in or on the bed of an artificial watercourse (h) the deposit of any substance in, on or under the bed of an artificial watercourse. <p>This rule does not include the damming of an artificial watercourse. This activity is addressed by the rules in Section 16.5.</p>	<p>Permitted</p>	<ul style="list-style-type: none"> (a) For activities located in an artificial watercourse, the activity shall comply with the standard conditions(a) to (m) in Section 16.2 as if these conditions applied to an artificial watercourse. (b) The activity shall not involve an activity restricted by Rule 16-14. (c) Any discharge of removed bed material or plants onto or into land (being land that is not the bed of an artificial watercourse) shall comply with the conditions of Rule 16-23. 	
<p>16-19 Bed disturbance</p>	<p>Except as permitted by other rules, the disturbance or removal of bed material or plants for the purpose of maintaining the functional</p>	<p>Controlled</p>	<ul style="list-style-type: none"> (a) The activity shall comply with the standard conditions (a) to (m) in Section 16.2 as if these conditions applied to an artificial watercourse. 	<p>Control is reserved over:</p> <ul style="list-style-type: none"> (a) the overall effect on water quality

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
of artificial lakes to maintain their function	integrity of an artificial lake, pursuant to s 13(1) and s 13(2) RMA, and any associated: (a) damming or diversion of water pursuant to s 14(1) RMA (b) discharge of water or sediment pursuant to s 15(1) RMA (c) deposition of removed bed material or plants in or on the bed pursuant to s 13(1) RMA (d) discharge of removed bed material or plants onto or into land pursuant to s 15(1) RMA.		(b) Any discharge of removed bed material or plants onto or into land (being land that does not form the bed of an artificial watercourse) shall comply with the conditions of Rule 13-24.	(b) the effects on inflow rates of sediment (c) the effects on aquatic habitats (d) the nature, scale, timing and duration of the activity undertaken (e) duration of consent (f) review of consent conditions, (g) compliance monitoring.

16.10 Rules – Activities that do not Comply with Permitted and Controlled Activity Rules

Rule	Activity	Classification	Conditions/Standards/Terms	Control/Discretion Non-Notification
16-20 Activities that do not comply with permitted and controlled activity rules	Any activity that does not comply with one or more conditions, standards or terms of a permitted or controlled activity rule in this chapter, but which is not expressly classified as a discretionary, non-complying or prohibited activity.	Discretionary		

