

16.12 BORE CONSTRUCTION OR ALTERATIONC12 7/08
Op 8/14*Refer to Policy set 30.1.***16.12.1 Scope of Section**C12 7/08
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This section deals with the construction or alteration of bores throughout the District. Relevant policies are in Chapter 30 and rules about the taking of water from bores are in Chapter 31. Information required with resource consent applications is detailed in Chapter 19.

Advice Note: The Resource Management (National Environmental Standard for Freshwater) Regulations 2020 may apply to some activities, including farming activities and activities in or near wetlands and rivers. The National Environmental Standard may alter the activity status of an activity and impose additional standards, information requirements, matters for assessment and criteria. Please ensure you have met any requirements in the regulations in addition to those in this plan.

NES-FW (ca)
12/20**16.12.2 Bore Construction or Alteration****16.12.2.1 Permitted Activities (Bore Construction or Alteration)**

The construction or alteration of a bore is a permitted activity and may be undertaken without the need for a resource consent, if it complies with the following conditions:

- (a) The bore extends to a depth of no more than 8 metres below the natural ground level.
- (b) The bore is not within 20 metres of the bank of any watercourse.
- (c) The bore is not within 20 metres of any stopbank measured from the landward limit of the toe of the stopbank.
- (d) The bore is not within any floodway of any river.
- (e) The bore is not drilled.
- (f) The bore is not within 20 metres of any domestic wastewater treatment and disposal system.
- (g) The bore is not in the coastal margin of the Hau Plains or Delta zones or in the coastal margin of the Marahau Zone.
- (h) The bore is sited, lined and capped to prevent surface water or other contaminants entering the bore.

Note: The construction of a bore as a permitted activity does not confer any right to take water.

16.12.2.2 Controlled Activities (Bore Construction or Alteration)

The construction or alteration of a bore that does not comply with the permitted conditions of rule 16.12.2.1 is a controlled activity, if it complies with the following conditions:

- (a) The bore is in a water management zone listed in Figure 16.12A and spacing between the proposed bore and any existing bore complies with the distances specified, but setbacks do not apply to bores used only for monitoring water quality or water quantity.

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- (b) The bore is not in the coastal margin of the Hau Plains or Delta zones or in the Marahau Zone.
- (c) The bore is not within 20 metres of the bank of any watercourse.
- (d) The bore is not within 20 metres of any stopbank measured from the landward limit of the toe of the stopbank.
- (e) The bore is not within any floodway of any river.
- (f) The bore is not within 20 metres of any domestic wastewater treatment and disposal system.

Figure 16.12A Minimum Bore Spacing and Bore Casing RequirementsC12 7/08
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BORE SPACING		
Water Management Zones	Depth of Existing Bore (metres)	Minimum Bore Spacing ① (metres)
Moutere Zones		
Eastern, Southern, Coastal and Western Groundwater	<120	300 between bores regardless of the depth of the proposed bore
	>120	300 between bores if the proposed bore is less than 120 metres deep
	>120	600 between bores if the proposed bore is more than 120 metres deep
	Any	200 between bores where rates of take are no more than 5 cubic metres per day
Motueka/Riwaka Plains Zones		
Central Plains King Edward Riwaka	Any	75 between bores (<i>see Note 1</i>)
Hau Plains Umukuri Swamp	Any	150 between bores (<i>see Note 1</i>)
Upper Motueka Zones		
Tapawera and Glen Rae	Any	100 from the Motueka River 50 from the Hinetai Spring
Motupiko	Any	50 from the Motupiko River
Rainy	Any	50 from the Rainy River
Waimea Zones		
Lower Confined Aquifer Upper Confined Aquifer Hope and Eastern Hills	Any	100 between bores
Golden Hills	Any	50 between bores
Reservoir Waimea West	Any	50 between bores and at least 100 from the Waimea or Wairoa Rivers
Delta	Any	50 between bores and at least 100 from the Waimea River
Wai-iti	Any	50 between bores and at least 100 from the Wai-iti River
Redwood	Any	100 between bores
Wai-iti Dam Service	Any	50 between bores
Note: (1) Upon or following construction of the Waimea Community Dam, the setbacks are as specified for structures in the relevant zones.		
<i>[Waimea Zones (WITH the Lee Valley Community Dam) section deleted]</i>		

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BORE CASING		
Water Management Zones	Depth of Bore (metres)	Minimum Bore Casing (metres)
Moutere Zones		
Southern and Coastal Groundwater zones within 500 metres of MHWS	<120 >120	60 120
Eastern and Western Groundwater zones	<120	30
Coastal and Southern Groundwater zones more than 500 metres from MHWS	>120	120
Footnote: ① Setback requirements do not apply to individual bores in the same bore field.		
Note: (1) Where both bores are only for domestic water supply, the setback is 5 metres between bores and 2.5 metres from property boundaries, or is no more than 5 metres from any existing bore that is being replaced.		

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A resource consent is required and may include conditions on the following matters over which the Council has reserved control:

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- (1) Bore logs, including the taking of rock samples.
- (2) Minimum casing depth, placement within the bore, and type of bore screen.
- (3) Pump tests, including constant discharge, step drawdown, static and dynamic tests, and water quality analyses, including a step drawdown test for bores greater than 60 metres deep.
- (4) Method of drilling, bore casing and protection of groundwater.
- (5) Location, depth and spacing of the bore, except as provided for in Figure 16.12A.
- (6) Monitoring mechanisms, including provision of access for measuring water level, water pressure or water quality, and provision made for water meter installation.
- (7) Degree of compliance with NZ Standard for Drilling of Soil and Rock: NZS 4411:2001 (or subsequent versions).
- (8) Measures to ensure conservation of water, including sealing artesian bores.
- (9) Sealing or decommissioning the bore.
- (10) The duration of the consent (Section 123 of the Act), timing of reviews, and the purposes of reviews (Section 128 of the Act).
- (11) Financial contributions, bonds and covenants in respect of the performance of conditions and administration charges (Section 108 of the Act).

16.12.2.3 Restricted Discretionary Activities (Bore Construction or Alteration)

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The construction or alteration of a bore that does not comply with the controlled conditions of rule 16.12.2.2 is a restricted discretionary activity, if it complies with the following conditions:

- (a) Where the bore is in the Moutere Groundwater zones, the bore complies with the setback distances from existing bores and casing specifications specified for these zones in Figure 16.12A.

A resource consent is required. Consent may be refused or conditions imposed, only in respect of the following matters to which Council has restricted its discretion:

- (1) The particular characteristics of the aquifer, including permeability of the aquifer, water yield required from the bore, water yields from existing bores, potential impact on water levels in adjacent bores, and potential impact on river or spring flows.
- (2) Bore logs, including the taking of rock samples.
- (3) Minimum casing depth placement within the bore and type of bore screen.
- (4) Pump tests, including constant discharge, step drawdown, static and dynamic tests and water quality analyses, including a step drawdown test for bores greater than 60 metres deep.
- (5) Method of drilling, bore casing and protection of groundwater.
- (6) Location, depth and spacing of the bore, including as provided for in Figure 16.12A.
- (7) Monitoring mechanisms, including provision of access for measuring water level, water pressure or water quality, and provision made for water meter installation.
- (8) Degree of compliance with NZ Standard for Drilling of Soil and Rock: NZS 4411:2001 (or subsequent versions).
- (9) Measures to ensure conservation of water, including sealing artesian bores.
- (10) Sealing or decommissioning the bore.
- (11) The duration of the consent (Section 123 of the Act), timing of reviews, and the purposes of reviews (Section 128 of the Act).
- (12) Financial contributions, bonds and covenants in respect of the performance of conditions and administration charges (Section 108 of the Act).

16.12.2.4 Non-Complying Activities (Bore Construction or Alteration)

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The construction or alteration of a bore that does not comply with the restricted discretionary conditions of rule 16.12.2.3 is a non-complying activity.

A resource consent is required. Consent may be refused or conditions imposed.

16.12.20 Principal Reasons for Rules

Shallow bores are unlikely to have any significant adverse effects and the rules permit such activities while deeper bores or those near stopbanks or watercourses require consents. Council requires information about and from the construction of bores to assist in gathering more information about the District's water resources and to ensure such activities do not cause adverse effects.

In particular, the adverse drawdown effects of deep bores in the Moutere Groundwater Zones are potentially very significant in an area of very low transmissivity where drawdown can extend over a wide area. The setback thresholds provide a limit to the concentration of deep bores and ensure interference effects are kept to a minimum.

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