

APP6 - DRINKING WATER PROTECTION

A community drinking water supply is a supply that is recorded in the drinking water register maintained by the Chief Executive of the Ministry of Health (the Director-General) under section 69J of the Health Act 1956, or is registered under section 23 of the Water Services Act 2021, and that provides no fewer than 25 people with drinking water for not less than 60 days each calendar year.

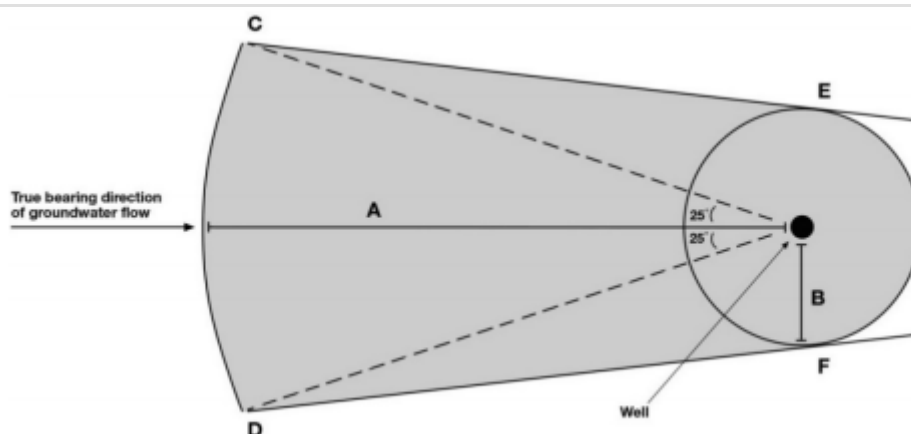
Existing community drinking water supplies will be mapped within the Drinking Water Protection Overlay and have a provisional protection area established using the method set out in this schedule until a plan change process alters them. New protection areas can be established via a plan change process.

The dimensions of a specific protection zone shall form part of any application for a plan change to add to the Drinking Water Protection Overlay. The dimensions of a specific protection zone around a community drinking water supply are to be determined using site specific information. Including:

1. ~~T~~he topography, geography, and geology of the site;
2. ~~T~~he depth of the well;
3. ~~T~~he construction of the well;
4. ~~P~~umping rates;
5. ~~T~~he type of aquifer;
6. ~~T~~he rate of flow in the surface waterbody;
7. ~~T~~he types of actual or potential contaminants;
8. ~~T~~he level of treatment that the abstracted water will receive; and
9. ~~A~~ny potential risk to water quality.

Existing groundwater community drinking water supplies are protected for distances specified in Figure 1 and Table 1.

Figure 1: Method for calculating the area of a provisional community drinking water protection area



The size of the protection area is determined by selecting from the table below, depending on the screen depth (or well depth if no screen depth is recorded) and aquifer type.

Table 1 - Groundwater community drinking water supply protection distances

Screen depth	Aquifer type	Protection distances (m)
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		Upgradient from the bore (A)	
<10 m	All	2,000	200
10 - <30 m	Unconfined or semi confined	1,000	200
	Confined	100	100
30 - 70 m	Unconfined or semi confined	500	200
	Confined	100	100
>70m	Unconfined or semi confined	100	100
	Confined	100	100

Existing surface water community drinking water supplies, including galleries, are protected from activities for the following distances, across the full width of the bed, and within a lateral distance of 50m from the bed:

Upstream on a river 1,000 m

Downstream on a river 100 m

~~On a lake 500m radius from the point of take~~