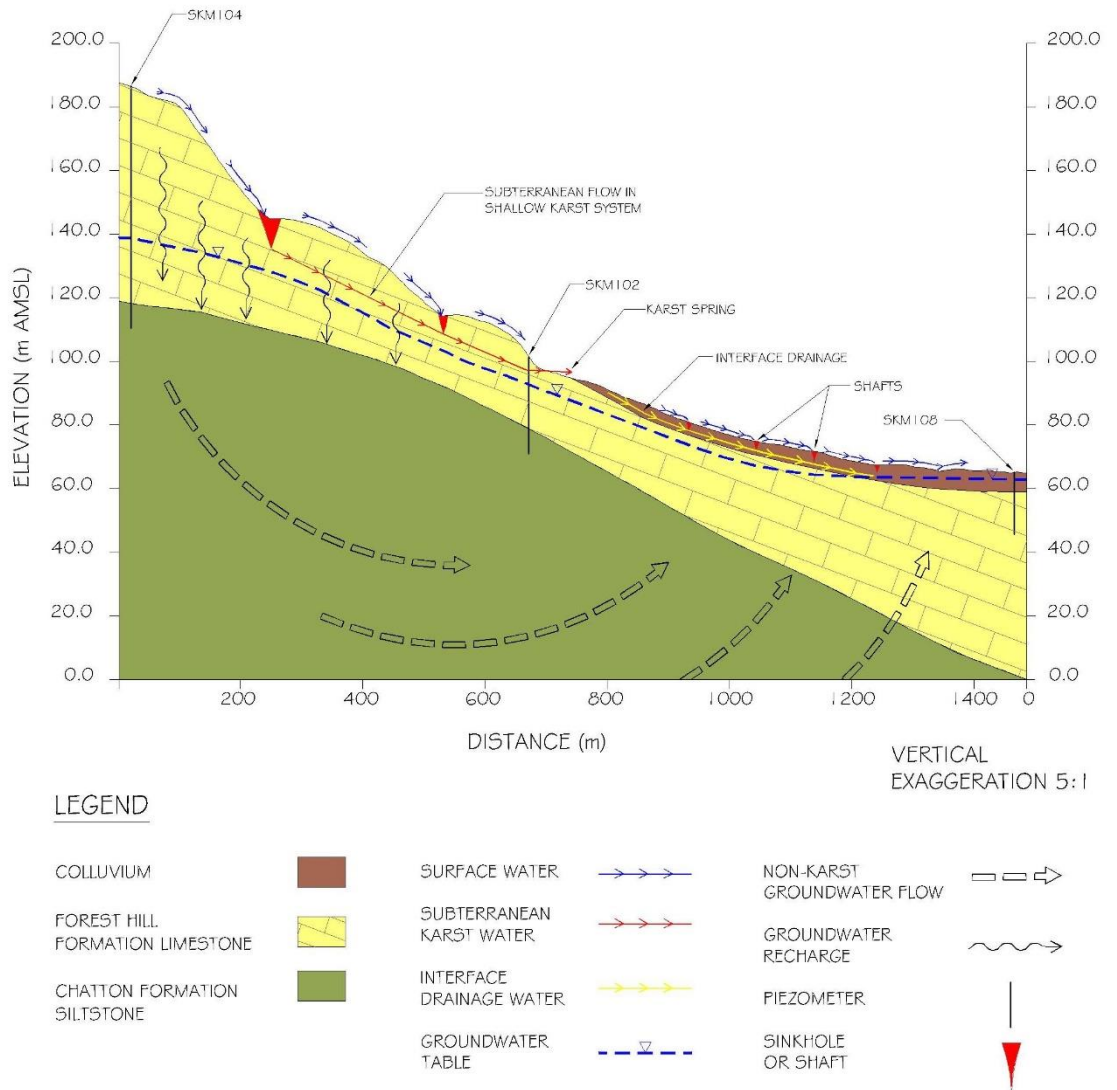


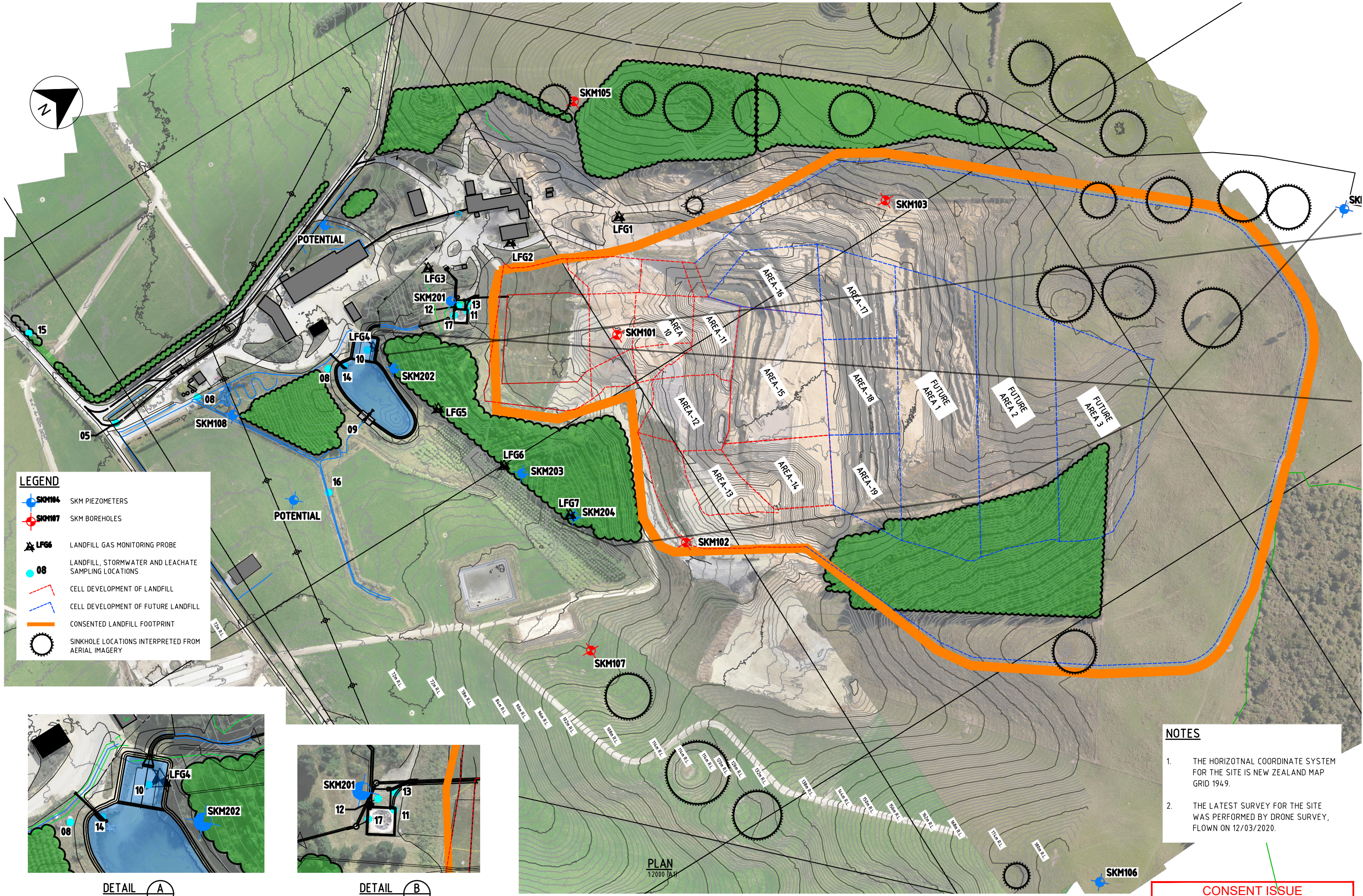
**ATTACHMENTS FOR THE EVIDENCE OF TIMOTHY BAKER**

## ATTACHMENT A. SITE CROSS SECTION



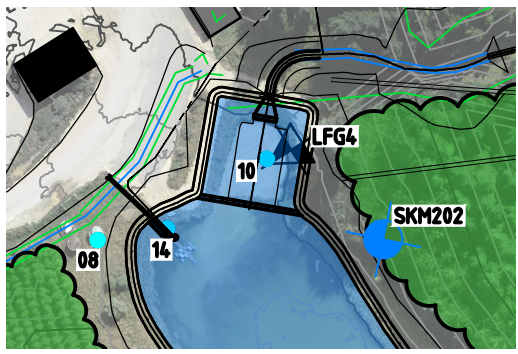
**Figure A1.** Typical section through the AB Lime site

## **ATTACHMENT B. SITE FEATURES**

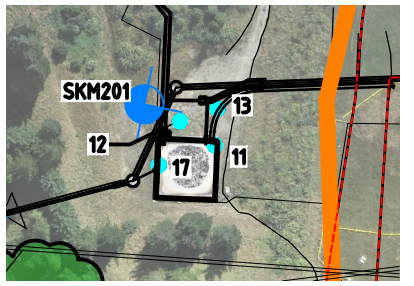


**LEGEND**

- SKM104 SKM PIEZOMETERS
- SKM107 SKM BOREHOLES
- LFG6 LANDFILL GAS MONITORING PROBE
- 08 LANDFILL, STORMWATER AND LEACHATE SAMPLING LOCATIONS
- CELL DEVELOPMENT OF LANDFILL
- CELL DEVELOPMENT OF FUTURE LANDFILL
- CONSENTED LANDFILL FOOTPRINT
- SINKHOLE LOCATIONS INTERPRETED FROM AERIAL IMAGERY



**DETAIL A**  
1:1000



**DETAIL B**  
1:1000

- NOTES**
1. THE HORIZONTAL COORDINATE SYSTEM FOR THE SITE IS NEW ZEALAND MAP GRID 1949.
  2. THE LATEST SURVEY FOR THE SITE WAS PERFORMED BY DRONE SURVEY, FLOWN ON 12/03/2020.

**CONSENT ISSUE**

REV	DATE	APPD	REVISION
0	19.03.21	VP	CONSENT ISSUE - FOR HEARING
A	29.05.20	VP	CONSENT ISSUE

SCALES AT A1

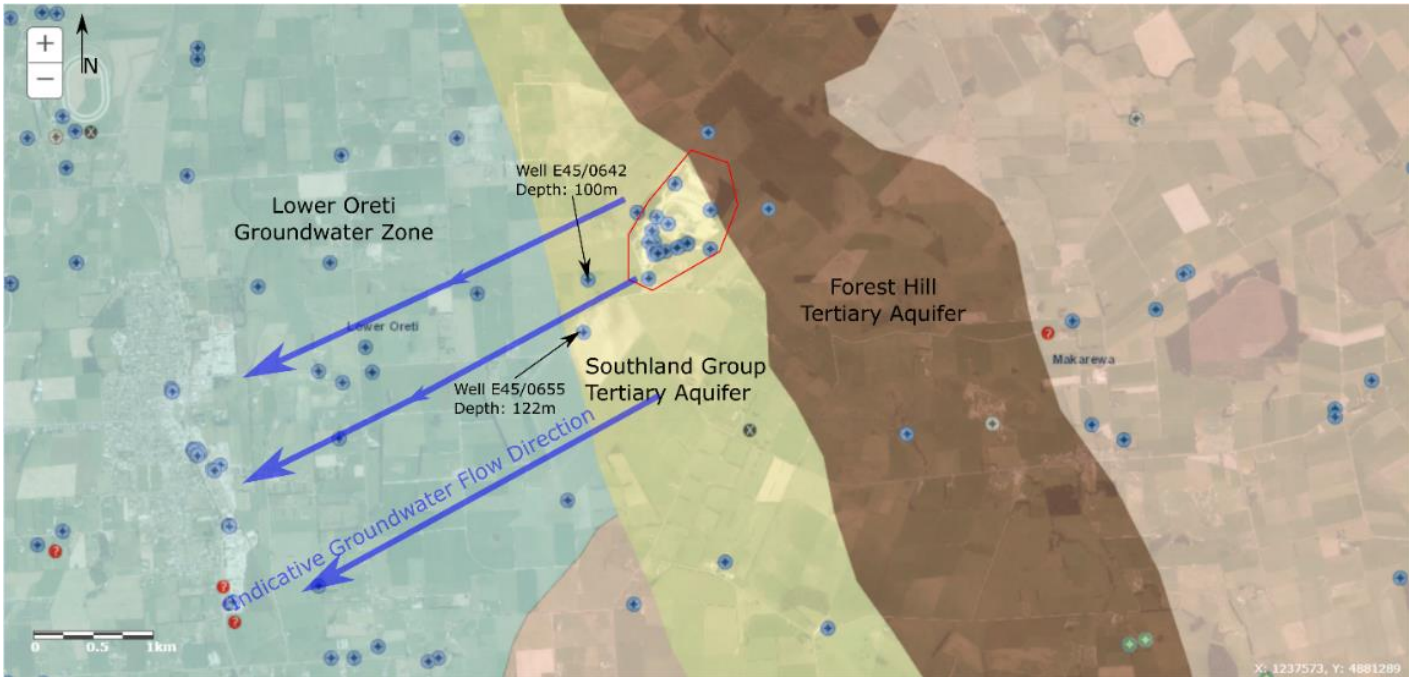


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CLIENT AB LIME LTD.		TITLE GROUNDWATER, STORMWATER & GAS BOREHOLE LOCATIONS	
PROJECT LANDFILL INVESTIGATION		PLAN	
DRAWN NBL	DRAWING CHECK KJ	REVIEWED CW	APPROVED VP
DESIGNED LJ	DESIGN REVIEW CW	DATE 19.03.2021	DATE 19.03.2021

SCALE AS SHOWN	DRAWING No IZ000400-1000-NG-DRG-1008	REV 0
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## ATTACHMENT C. GROUNDWATER FLOW



**Figure C1.** Groundwater flow direction

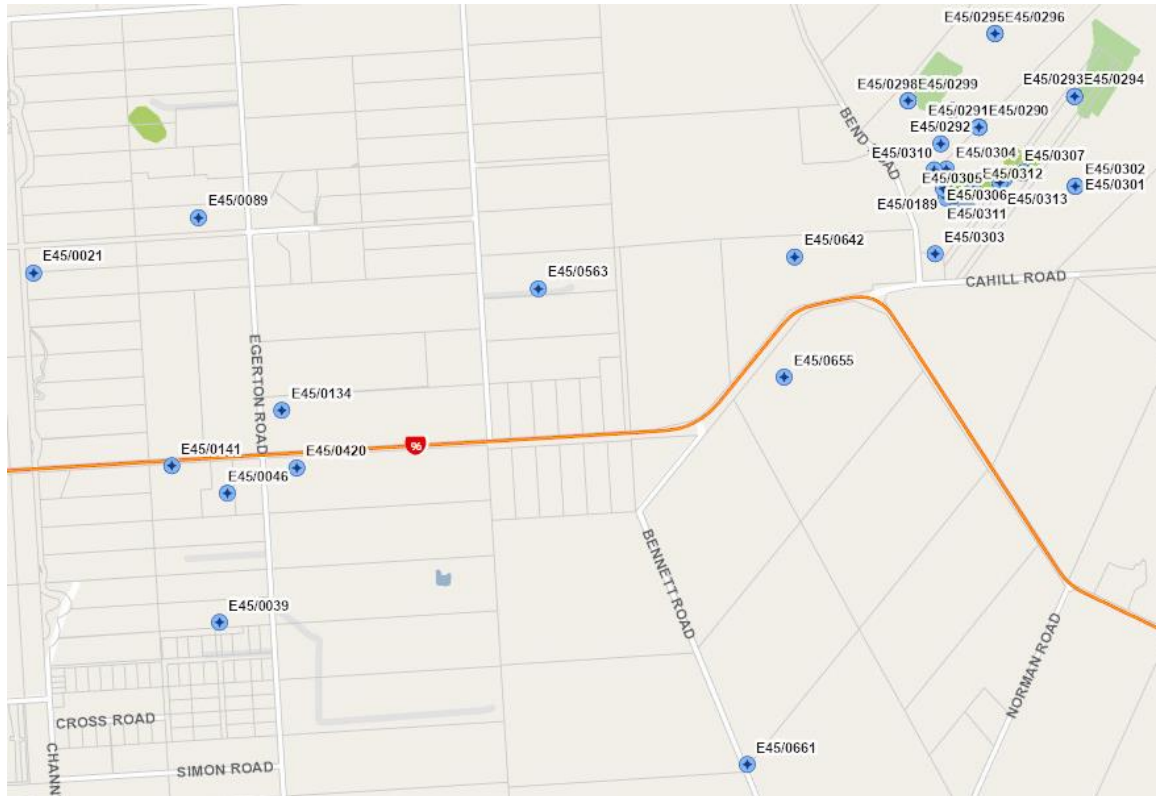
## ATTACHMENT D. BORE SUMMARY

**Table D1.** Neighbouring bore summary (Environment Southland)

Bore Number*	Distance from landfill boundary (m)	Depth of bore	Primary Usage
E45/0021	3370 m	5 m	-
E45/0039	3130 m	6 m	Domestic Supply
E45/0046	2900 m	4.5 m	-
E45/0089	2750 m	6 m	-
E45/0134	2610 m	6 m	-
E45/0141	3040 m	-	Domestic Supply
E45/0420	2620 m	4.5 m	Dairy Use
E45/0563	1570 m	15 m	Domestic Supply
E45/0642**	660 m	100 m	Domestic Supply
E45/0655**	960 m	122 m	Diary Use
E45/0661**	2300 m	4.8 m	Groundwater Quality Monitoring

\*The bores on the AB Lime landfill site have not been included

\*\*AB Lime own the land that these bores are located on



**Figure D1.** Location of the neighbouring bores

## ATTACHMENT E. LOCATIONS OF ELEVATED GROUNDWATER QUALITY RISK

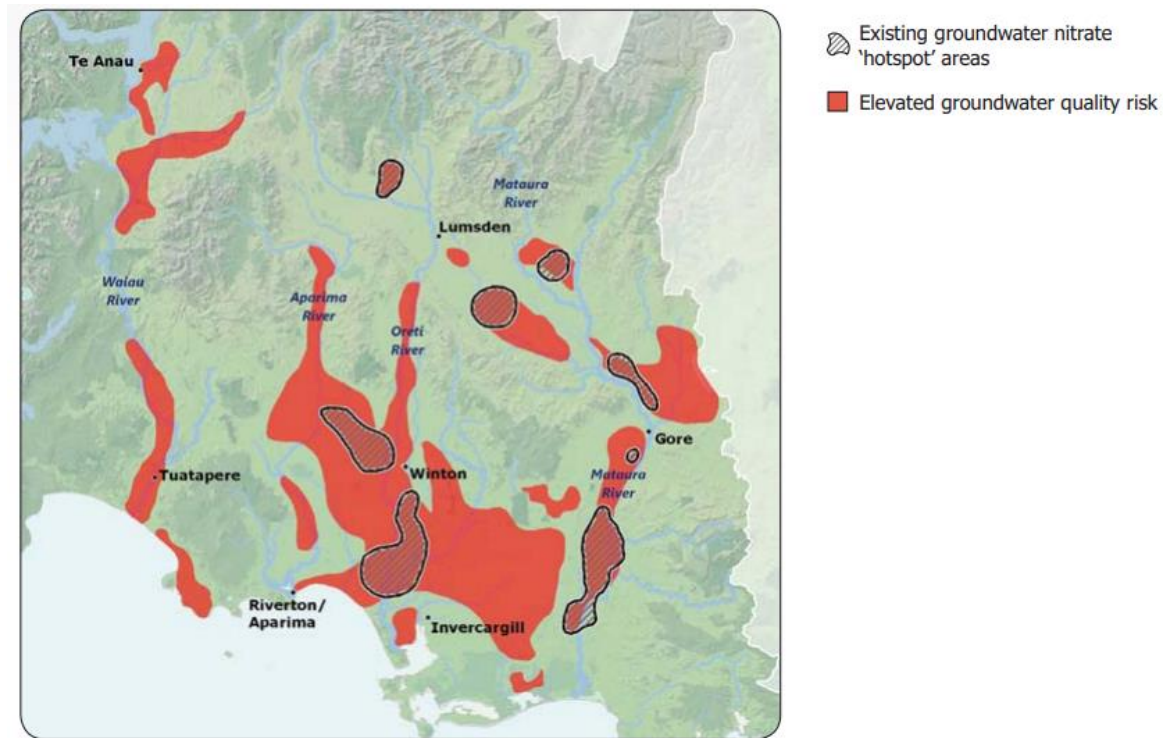


Figure E1. Areas of elevated groundwater quality risk (Liquid Earth, 2009<sup>7</sup>)

<sup>7</sup> Groundwater Quality Information Sheet, Environment Southland, <https://www.es.govt.nz/repository/libraries/id:26gi9ayo517q9stt81sd/hierarchy/environment/water/groundwater/groundwater-monitoring/documents/groundwater-reports/groundwater-quality-2010.pdf>, (Accessed on 23 April 2021).