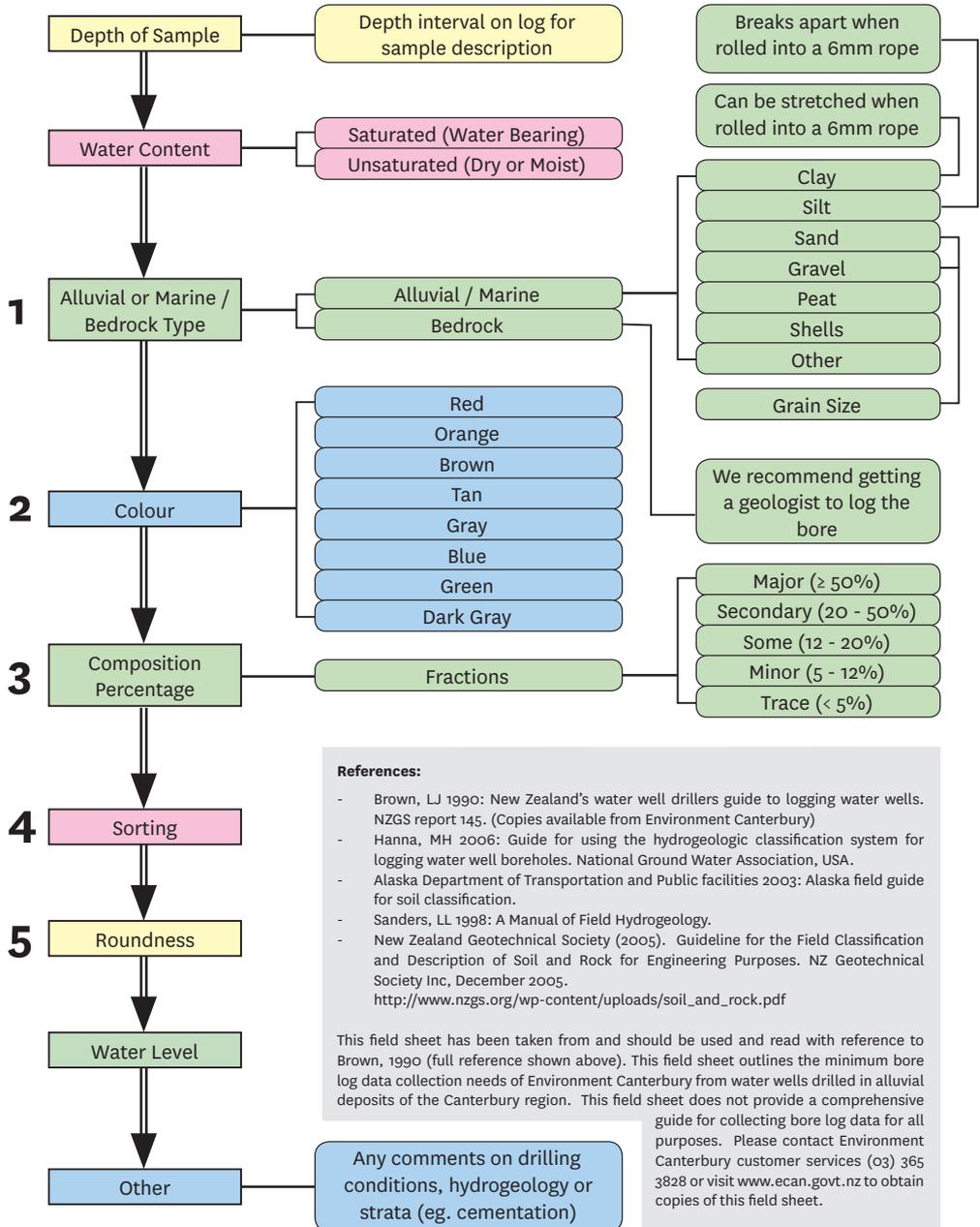


DRILLERS WELL LOGGING FIELD GUIDE FOR CANTERBURY: FLOWCHART



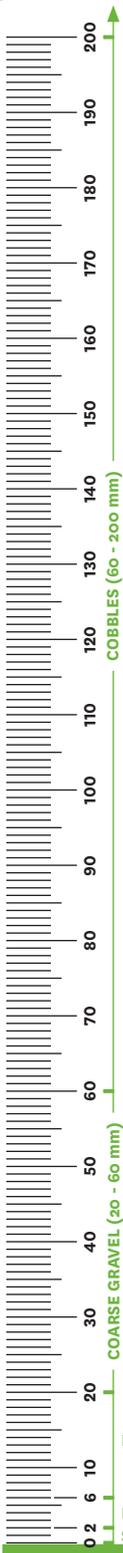
References:

- Brown, LJ 1990: New Zealand's water well drillers guide to logging water wells. NZGS report 145. (Copies available from Environment Canterbury)
- Hanna, MH 2006: Guide for using the hydrogeologic classification system for logging water well boreholes. National Ground Water Association, USA.
- Alaska Department of Transportation and Public facilities 2003: Alaska field guide for soil classification.
- Sanders, LL 1998: A Manual of Field Hydrogeology.
- New Zealand Geotechnical Society (2005). Guideline for the Field Classification and Description of Soil and Rock for Engineering Purposes. NZ Geotechnical Society Inc, December 2005. http://www.nzgs.org/wp-content/uploads/soil_and_rock.pdf

This field sheet has been taken from and should be used and read with reference to Brown, 1990 (full reference shown above). This field sheet outlines the minimum bore log data collection needs of Environment Canterbury from water wells drilled in alluvial deposits of the Canterbury region. This field sheet does not provide a comprehensive guide for collecting bore log data for all purposes. Please contact Environment Canterbury customer services (03) 365 3828 or visit www.ecan.govt.nz to obtain copies of this field sheet.

Everything is connected

**DRILLERS WELL LOGGING FIELD GUIDE FOR CANTERBURY:
UNCONSOLIDATED SEDIMENT DESCRIPTION (ALLUVIAL & MARINE)**



STEP 1 PARTICLE SIZE DIAGRAMS

STEP 2 COLOUR

Red	Orange	Brown	Tan	Gray	Blue	Green	Dark Gray

STEP 3 COMPOSITION PERCENTAGE

5%	10%
20%	50%

STEP 4 SORTING

Very Well Sorted	Moderately Sorted	Poorly Sorted

STEP 5 ROUNDNESS

Angular	Sub-rounded	Well-rounded