

Water Well Driller

CERTIFICATE OF QUALIFICATION EXAM BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Water Well Driller Certificate of Qualification Exam*.

Number of questions on each exam: 100

Certificate of Qualification GAC/Competency	#
A. STANDARD WORKPLACE SAFETY AND REGULATIONS	15
A1. Safety legislation, regulations & industry policy in the trades	2
A2. Climbing, lifting, rigging and hoisting	1
A3. Hazardous materials & fire protection	1
A4. Water well and geothermal industry roles and associations	0
A5. Trade specific regulations (AB)	0
A6. Trade specific safety	2
A7. Standards and regulations	0
A8. Business practices	0
A9. Trade specific regulations (BC)	9
B. ENGINE AND SUPPORT SYSTEMS	11
B1. Powertrains	2
B2. Cooling systems	2
B3. Lubrication systems	1
B4. Fuel supply systems	1
B5. DC electrical systems and equipment	2
B6. Batteries	0
B7. Brake systems	1
B8. Service schedules	0
B9. Hand and power tools	2
C. HYDRAULICS	7
C1. Hydraulic systems	7
D. WELDING	7
D1. Metal heating and cutting	4

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August 1, 2026

Certificate of Qualification GAC/Competency	#
D2. Arc welding	3
E. DRILLING SYSTEMS	15
E1. Compressed air systems	2
E2. Drilling safety	2
E3. Drilling fluids	1
E4. Cable tool drilling	1
E5. Rotary and air hammer drilling	5
E6. Auger and boring drilling	2
E7. Specialized drilling systems	1
E8. Sonic drilling (BC)	1
F. GROUND WATER	17
F1. Ground water geology	2
F2. Water sources	2
F3. Lithology	1
F4. Maps	0
F5. Ground water exploration	2
F6. Aquifer characteristics	6
F7. Ground water chemistry	2
F8. Water well regulations	0
F9. Coastal drilling applications (BC)	1
F10. Maps (GWELLS) (BC)	1
G. WATER WELLS	18
G1. Water well design	10
G2. Well development	3
G3. Well maintenance and rehabilitation	2
G4. Water well/bore hole decommissioning	1
G5. Ground water monitoring	1
G6. Artesian wells (BC)	1
H. WATER WELL PUMPING SYSTEMS	10
H1. Pump types, applications and installations	4
H2. Pump maintenance and diagnosis	4
H3. Pump electrical procedures	1
H4. Electrical regulations (BC)	1

Certificate of Qualification GAC/Competency	#
I. WORKPLACE COACHING SKILLS	0
II. Workplace coaching skills	0
Total:	100