

BORE RISK ASSESSMENT TOOL: ON-SITE DATA COLLECTION

Overview

Homeland Name

Bore ID / RN

Your Name and
Organisation

Date and Time

General Observations

Site sketch:

Bore Coordinate:

Notes (General land use):

Bore Infrastructure Assessment

This section will help you answer the questions in the “Bore Infrastructure” tab of the tool.

Tick the relevant boxes and take additional notes and *photos* as required.

Headworks (including surface casing)

Flange and Plate ☐ Present ☐ Secure ☐ Loose ☐ Cracked
☐ Corrosion ☐ Lock present ☐ Other

Notes:

Access port ☐ Present ☐ Not present ☐ Capped ☐ Broken
☐ Corrosion ☐ Other

Notes:

Concrete slab / Plinth ☐ Present ☐ Cracked ☐ Sunken ☐ Gaps
☐ Intact ☐ Other

Notes:

Evidence of unauthorised access ☐ Damage ☐ Repairs ☐ Other

Notes:

Inner Casing

Access ☐ Visible ☐ No access ☐ Other

Material ☐ Steel ☐ S/steel ☐ Fibreglass ☐ PVC
☐ Other ☐ Unsure

Notes:

Condition ☐ Intact ☐ Corrosion ☐ Split/Cracked
☐ Bent ☐ Straight ☐ Other

Notes:

Pump Type				
Type	☐ Handpump	☐ Windmill	☐ Submersible	☐ Shaft drive
	☐ Unknown	☐ Other		
Make:	Model:		Date installed:	
Notes:				
Power source	☐ Deisel	☐ Solar	☐ Wind	☐ Mains
	☐ Unknown			
Notes:				
Security				
Details	☐ Fence	☐ Fence & lock	☐ No fence	☐ Other
Notes:				

Contamination Assessment

This section will help you answer the questions in the “Contamination” tab of the tool.

Tick the relevant boxes and take additional notes and *photos* as required.

Potential contamination sources

Toilets

☐

Pit toilet

☐

Septic tanks

☐

Composting

☐

Other

☐

Uphill from bore

☐

Downhill from bore

Distance from bore (m):

GPS coordinate:

Notes: e.g. overflow / seepage / odour

Fuel or chemical storage

☐

Present

☐

Not present

☐

Uphill from bore

☐

Downhill from bore

Distance from bore (m):

GPS coordinate:

Notes:

Rubbish dumps

☐

Present

☐

Not present

☐

Uphill from bore

☐

Downhill from bore

Distance from bore (m):

GPS coordinate:

Animal Activity

☐

Present

☐

Not present

☐

Paddocks

☐

Food source

☐

Watering point

☐

Steck pens

☐

Other

☐

Uphill from bore

☐

Downhill from bore

Distance from bore (m):

GPS coordinate:

Notes: e.g. types of animals – goats, horses, chickens

Other

☐

Present

☐

Not present

Distance from bore (m):

GPS coordinate:

Notes: e.g. add details of any other potential contamination sources

Water Source Information

This section will help you answer the questions in the “Bore Water Source Capacity” tab of the tool.

Fill in the fields and take additional notes and *photos* as required.

Pump Flow Rate

Flow meter ☐ Present ☐ Not metered

Flow estimate from totalising (cumulative) meter:

Initial reading: End reading:

Start time: End time: Elapsed time:

Calculation:

$$\text{Flow rate (litres per second)} = \frac{\text{Final reading in litres} - \text{Initial reading in litres}}{\text{Elapsed time in seconds}}$$

Flow estimate using bucket and stopwatch:

Initial reading: End reading:

Start time: End time: Elapsed time:

Calculation:

$$\text{Flow rate (litres per second)} = \frac{\text{Volume of bucket in litres}}{\text{Time to fill bucket in seconds}}$$

Discharge Observations

Observations ☐ Pulsing flow ☐ Steady flow ☐ Smell
☐ Coloured ☐ Sediment ☐ Other

Notes: e.g. add details of smell, colour etc.

Water levels (make sure to note reference point)

Standing water level (pump off):

Pumping water level (pump on):

Sample collected: ☐ Yes (see over page) ☐ No

Notes: e.g. additional observations from site visit.

Water Sampling

Date of Sample:

Time of Sample:

Sample ID:

SAMPLING STAFF:

Observations

Flow Rate: L/s

Field SpEC: $\mu\text{S}/\text{cm}$ @ 25 °C

Field pH:

Temperature: °C

Samples Collected

☐ Pathogens

☐ Major Ions

☐ Metals

☐ Nutrients

☐ Other

Notes: