

Detailed Information Sheet: Borehole

Metadata reference

Definition: A well developed by mechanical means. Typically drilled, with limited bore diameter and of significant depth. May also be called, drilled well, tubewell. etc.

Data Management

Date	<input type="text"/>	Inspected by	<input type="text"/>
Entry Agency	<input type="text"/>	Inspecting Agency	<input type="text"/>

Location

Region	<input type="text"/>	District	<input type="text"/>
Source name	<input type="text"/>	GPS Make and Model	
North	<input type="text"/> °	Positional accuracy	± <input type="text"/> m
East	<input type="text"/> °	Distance to nearest settlement	<input type="text"/> km
Elevation	<input type="text"/> masl	Nearest settlement name	<input type="text"/>
Users	<input type="checkbox"/> Rural <input type="checkbox"/> Urban <input type="checkbox"/> Nomadic	Municipal Code	<input type="text"/>

Function and Use

Functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Abandoned	<i>Notes: general condition, repairs required etc.</i> <input type="text"/> <input type="text"/> <input type="text"/>
Operator	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	
Permanent Use	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	

Humans	Gu	<input type="text"/> Number	Hagaa	<input type="text"/> Number	Deyr	<input type="text"/> Number	Jilaal	<input type="text"/> Number
Sheep/goats	Gu	<input type="text"/> Number	Hagaa	<input type="text"/> Number	Deyr	<input type="text"/> Number	Jilaal	<input type="text"/> Number
Camel	Gu	<input type="text"/> Number	Hagaa	<input type="text"/> Number	Deyr	<input type="text"/> Number	Jilaal	<input type="text"/> Number
Cattle	Gu	<input type="text"/> Number	Hagaa	<input type="text"/> Number	Deyr	<input type="text"/> Number	Jilaal	<input type="text"/> Number
Irrigated area	Gu	<input type="text"/> ha	Hagaa	<input type="text"/> ha	Deyr	<input type="text"/> ha	Jilaal	<input type="text"/> ha

Distance to nearest permanent source	<input type="text"/> km	General condition	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
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Description of nearest permanent source	<input type="text"/> e.g. name, coordinates, source type, etc.	Sanitary Condition	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
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Environmental condition	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
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Number of other Water Sources in the Area	<table border="1"> <tr> <td>Berkad</td> <td><input type="text"/> Number</td> <td>Borehole</td> <td><input type="text"/> Number</td> </tr> <tr> <td>Dam</td> <td><input type="text"/> Number</td> <td>Spring</td> <td><input type="text"/> Number</td> </tr> <tr> <td>Dug Well</td> <td><input type="text"/> Number</td> <td>Other</td> <td><input type="text"/> Number</td> </tr> </table>	Berkad	<input type="text"/> Number	Borehole	<input type="text"/> Number	Dam	<input type="text"/> Number	Spring	<input type="text"/> Number	Dug Well	<input type="text"/> Number	Other	<input type="text"/> Number	Intervention required?	<input type="checkbox"/> Develop <input type="checkbox"/> Improve <input type="checkbox"/> Rehab <input type="checkbox"/> None
Berkad	<input type="text"/> Number	Borehole	<input type="text"/> Number												
Dam	<input type="text"/> Number	Spring	<input type="text"/> Number												
Dug Well	<input type="text"/> Number	Other	<input type="text"/> Number												

Last intervention?	<table border="1"> <tr> <td>Agency</td> <td><input type="text"/></td> <td>Date</td> <td><input type="text"/></td> </tr> </table>	Agency	<input type="text"/>	Date	<input type="text"/>
Agency	<input type="text"/>	Date	<input type="text"/>		

Number of settlements served by source?	<input type="text"/> Number	Source Established?	<table border="1"> <tr> <td>Agency</td> <td><input type="text"/></td> <td>Date</td> <td><input type="text"/></td> </tr> </table>	Agency	<input type="text"/>	Date	<input type="text"/>
Agency	<input type="text"/>	Date	<input type="text"/>				

Physical parameters

Type of well	<input type="text"/>	No. of wells in cluster	<input type="text"/>
Depth	<input type="text"/> m	Static Water Level (SWL)	<input type="text"/> Ground level to SWL <input type="text"/> m
Pump test type	<input type="text"/>	Pump test source	<input type="text"/>
Test max. yield	<input type="text"/> m ³ /hr	Test max drawdown	<input type="text"/> m
Recovery time	<input type="text"/> hr	Specific capacity	<input type="text"/> m ³ /hr/m
Operating hours	<input type="text"/> hr	Operating Yield	<input type="text"/> m ³ /hr
Operating drawdown	<input type="text"/> m	Pump casing type	<input type="text"/>
Pump casing size	<input type="text"/> mm	Riser type	<input type="text"/>
Riser size	<input type="text"/> mm	Cut-off electrode?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Screen depth:	From <input type="text"/> m To <input type="text"/> m	Screen type	<input type="text"/>
Well-head Protected ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Pump level	<input type="text"/> Ground level to the pump inlet <input type="text"/> m

If possible a sketch of the well design should be included in the space provided showing positions of pump housing, riser (production casing), blind and open screens.

Hydraulic conductivity	<input type="text"/> m/d	Transmissivity	<input type="text"/> m ² /d
Piezometric Level	<input type="text"/> m		
Lithology known?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Lithology source	<input type="text"/>

Water Characteristic

EC @ 25°C	<input type="text"/> ± <input type="text"/> μS/cm	EC meter	<input type="text"/> Make and model <input type="text"/> Calibration date
pH	<input type="text"/>	pH meter	<input type="text"/> Make and model <input type="text"/> Calibration date
Temperature	<input type="text"/> °C	Turbidity	<input type="text"/> NTU
E.Coli	<input type="text"/> MPN/100ml	Colour	<input type="text"/>
Smell	<input type="text"/>	Taste	<input type="text"/>
Additional chemical analysis available?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Analysis source	<input type="text"/>

Supply & distribution

Supply system condition? None Good Fair Poor

Engine Room condition? None Good Fair Poor

Storage tank condition? None Good Fair Poor

Storage tank capacity m³

Pipeline delivery length m

Taps/outlets Number

Kiosks Number

Animal troughs Number

Tankering points Number

Water lifting technology Submersible Surface Mono Handpump Bucket & Windlass

Pump Make Model Number Serial Number Date installed

Rated Delivery	
Delivery	Head
<input type="text"/> m ³ /s	<input type="text"/> m

Prime Mover Petrol Diesel Electric Solar panel Wind turbine

Engine Make Model Number Serial Number Date installed Engine output W

Generator Make Model Number Serial Number Date installed Generator output kVA

Source Management

Owner? Private Community Other

Management Committee? Yes No

Cost per unit			
Tanker	<input type="text"/> \$/m ³	Camel	<input type="text"/> \$/100
Jerican	<input type="text"/> \$/l	Cattle	<input type="text"/> \$/100
Drum	<input type="text"/> \$/l	Sheep/goat	<input type="text"/> \$/100

Additional notes & Sketches