

# Detailed Information Sheet: Dam

Metadata reference

A dam acts as a barrier to impound water. The most typical dams are Balli or War type, open ponds with a bund wall to impound surface run-off. Sub-surface and sand dams are also encountered.

## 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	<input type="text"/>
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	Notes: general condition, repairs required etc.
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	<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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Number of other Water Sources in the Area	Environmental condition	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
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Berkad	<input type="text"/> Number	Borehole	<input type="text"/> Number	Intervention required?	<input type="checkbox"/> Develop <input type="checkbox"/> Improve <input type="checkbox"/> Rehab <input type="checkbox"/> None
Dam	<input type="text"/> Number	Spring	<input type="text"/> Number	Last intervention?	Agency <input type="text"/> Date <input type="text"/>
Dug Well	<input type="text"/> Number	Other	<input type="text"/> Number	Source Established?	Agency <input type="text"/> Date <input type="text"/>

Number of settlements served by source?	<input type="text"/> Number	Source Established?	Agency <input type="text"/> Date <input type="text"/>
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**Physical parameters**

Type of dam		Number of dams in cluster	
Reservoir Capacity	m <sup>3</sup>	Reservoir dimensions	Depth m Length/Radius m Width m
Bund wall material		Bund wall height	m
Catchment area	m <sup>2</sup>	Silt trap?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Spillway?	<input type="checkbox"/> Yes <input type="checkbox"/> No	In-flow channel?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fencing?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Well?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Synthetic lining?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

**Water Characteristic**

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

**Supply & distribution**

Supply system condition?	<input type="checkbox"/> None <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor	Storage tank condition?	<input type="checkbox"/> None <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Engine Room condition?	<input type="checkbox"/> None <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor	Pipeline delivery length	m
Storage tank capacity	m <sup>3</sup>	Kiosks	Number
Taps/outlets	Number	Tankering points	Number
Animal troughs	Number		

**Water lifting technology**

Submersible  Surface  Mono  Handpump  Bucket & Windlass

Pump	Make	Model Number	Serial Number	Date installed	Rated Delivery	Delivery m <sup>3</sup> /s	Head m
	Prime Mover				<input type="checkbox"/> Petrol <input type="checkbox"/> Diesel <input type="checkbox"/> Electric <input type="checkbox"/> Solar panel <input type="checkbox"/> 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?	<input type="checkbox"/> Private <input type="checkbox"/> Community <input type="checkbox"/> Other	Cost per unit	
Management Committee?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Tanker	\$/m <sup>3</sup> Camel \$/100
		Jerican	\$/l Cattle \$/100
		Drum	\$/l Sheep/goat \$/100