

## Site evaluation form for SuMeWa|SYSTEM

### Introduction:

This form serves as a base for a potential installation of a SuMeWa|SYSTEM at a given site. The more information we can derive from this form the easier it will be to evaluate the local conditions and design the best suited SuMeWa|SYSTEM.

Please be as precise as possible when filling out this form. If you require more space please use an extra sheet. If you want to add extra information please feel free to do so.

Please take as many photos as possible to support the information. Photos simplify site evaluation substantially. Questions that may arise at a later stage can often easily be answered when enough photos are available. You cannot take too many photos.

### Location

Name, City, District Country, Coordinates (GPS), etc.

### Climatic conditions

Tropical, rainy periods, monsoon, temperatures, freezing point

### Description of location

rural, urban, school, hospital, settlements surrounding

**Water Source**

Well, spring, lake, pond, river, piped water, rain water etc., please identify depth and flow rates. If well please state depth and diameter of casing pipe.

Well Depth:

Well Diameter:

**Water Quality** (Water analysis report can also be attached to this form)

Parameter	Value	Method	Comment
Physical Chemical			
EC [ $\mu$ S/cm]			
pH			
Chloride [mg/L]			
Iron [mg/L]			
Manganese [mg/L]			
Phosphate [mg/L]			(PO <sub>4</sub> -P)
Hardness [mg/L]			(CaCO <sub>3</sub> )
Arsenic [ $\mu$ g/L]			
Ammonia [mg/L]			
Nitrate [mg/L]			
Nitrite [mg/L]			
Fluoride [mg/L]			

**Pathogens**

Total Coliform [CFU]			
Fecal Coliform [CFU]			
E.Coli [CFU]			
Enterococcus [CFU]			

**Current water situation:**

What is the water used for, where is it stored, distribution, how many people currently benefit, current consumption.

**Infrastructure available**

Storage room, water tower, water tanks, pipes, bathrooms, hand wash, drinking water tap points

**Energy supply situation**

Electric power, grid connected, diesel generator, Solar PV available, Outages, how many hours is electricity available per day and a which times?

**Future potential water situation**

Potential number of users, utilization of water: drinking, hygiene, cleaning

**Infrastructure required**

Water tanks, tower, height of water tower, piping, tap point

**Further Comments Indicators important for system installation:**

**To be disused**

**SuMeWa|SYSTEM setting suggested**

(to be filled by qualified personnel or by AUTARCON)

**SAFE, COMPLETE, IRON, ADVANCED, TURB, PV, Batteries, DataCOM, NaCl Dosing, additional pump for well, case**

## **Photos**

Please make photos of:

- Surrounding buildings of location
- Current water supply scheme (tanks, pipes, tap points, etc.)
- Water Source, well and well head
- Current water treatment setting
- Buildings storage room

and attach them to this document.