Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
REQUIRED PARAMETERS					
Latitude	#lat_deg (#geo_lat)	Decimal number, e.g. 44.475821	Provide the decimal degrees value of the latitude in WGS 1984.	N/A	At least four decimals (but more are encouraged) should be included. North and East should be noted as positive numbers. Do not truncate.
Longitude	#lon_deg (#geo+lon)	Decimal number, e.g., 73.211954	Provide the decimal degrees value of the longitude in WGS 1984.	N/A	At least four decimals (but more are encouraged) should be included. North and East should be noted as positive numbers. Do not truncate.
Presence of Water when Assessed	#status_id (#indicator+water_avail_bool)	Binary	Identify if any water is available on the day of the visit, recognizing that it may be a limited flow.	● Yes ● No	In the WPdx datasets, responses will be reported as Yes/No, and unknown/blank values will be shown as empty cells. During upload, users can assign their versions of Yes and No, for example: Yes = Functional, Partial No = Non-functional, Abandoned

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
Date of Data Inventory	#report_date (#date+reported)	YYYY-MM-DD	Provide the date that the data was collected using ISO 8601. Time and time zone designators are optional.	YYYY-MM-DD	During upload, users can select a specific date format or select 'Automatic' to enable automatic detection based on provided data.
Data Source	#source (#meta+source)	Open text	Provide the name of the organization collecting the data record.	Official name of organization sharing data	
Water Source	#water_source (#indicator_water_source)	Open text; see recommended standardized responses	Describe the water source, including whether the point is protected or unprotected where applicable.	● Borehole/Tube Well ● Protected Well ● Unprotected Well ● Protected Spring ● Unprotected Spring ● Rainwater Harvesting ● Sand or Sub-Surface Dam ● Surface Water ● Delivered Water ● Packaged Water	
Water Source Treatment	#water_source_treatment (#indicator+water_source _treatment)	Open text; see recommended standardized responses	Describe if/how the water is treated before the point of collection (*does not include treatment after collection by user*). For multi-step treatment, enter each major treatment step separated by a semi-colon.	● No Treatment ● Filtration ● Chlorination ● UV Light ● Chemical Contaminant Removal	In the WPdx dataset, two treatment parameters will appear: *#water_source_treatment_detail*, which will reflect the provided response and *#water_source_treatment_binary* which will translate the responses into a simple Y/N

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
Water Point Extraction Technology	#water_tech_extraction (#indicator+water_tech_extraction)	Open text; see recommended standardized responses	Describe the system being used to extract and transport the water from the source to the point of collection (e.g., Hand Pump (include make, i.e. Afridev, India Mark II, Malda, etc.), Kiosk, Public Tapstand, etc.).	• Hand Pump • Hand Pump – Make • Motorized Pump • Motorized Pump – Electric • Motorized Pump – Diesel • Motorized Pump – Solar • Motorized Pump – Wind • Hydram Pump • Rainwater Harvesting • Rope and Bucket • Gravity	
Water Point User Collection Technology	#water_tech_collection (#indicator+water_tech_collection)	Open text; see recommended standardized responses	Describe the technology at the point of collection by water users (i.e., Hand Pump, Public Tapstand, etc.)	• Hand Pump • Hand Pump – Make • Kiosk • Rainwater Tap • Rope and Bucket • Public Tapstand • Shared Yard Tap • Spring Pipe	For example, a Hand Pump – Make entry might be: Hand Pump - Afridev
OPTIONAL PARAMETERS					
Country	#country_id (#country+code+v_iso2)	Two letter code (e.g., ET)	Select the ISO two letter country classification code.	N/A	

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
Primary Administrative Division	#adm1 (#adm1+name)	Open text	Provide the name of the primary administrative division. The correct unit can be found at http://www.statoids.com. This corresponds to "First Order" and "First Level" administrative units at http://Geonames.org and http://www.gadm.org respectively.	N/A	Note that administrative boundaries are frequently updated, but the availability of official boundary files often lag these updates.
Secondary Administrative Division	#adm2 (#adm2+name)	Open text	Provide the name of the secondary administrative division. The correct unit can be found at http://www.statoids.com. This corresponds to "Second Order" and "Second Level" administrative units at http://Geonames.org and http://www.gadm.org respectively.	N/A	Note that administrative boundaries are frequently updated, but the availability of official boundary files often lag these updates.
Tertiary Administrative Division	#adm3 (#adm3+name)	Open text	Provide the name of the tertiary administrative division. The correct unit can be found at http://www.statoids.com. This corresponds to "Third Order" and "Third Level" administrative units at http://Geonames.org and http://www.gadm.org respectively.	N/A	Note that administrative boundaries are frequently updated, but the availability of official boundary files often lag these updates.

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
Water Point ID	#activity_id (#loc_water_point_id)	Text, alphanumeric or numeric	Provide the Unique ID for the specific water point infrastructure, as reported by the data collector. This could be a physical ID on the water point or an internal system ID.	N/A	Only share this data with WPdx if the ID is consistently used within the organization or by the larger sector to identify a specific water point. Do not include narrative descriptions.
Scheme Identification	#scheme_id (#loc_scheme_id)	Text, alphanumeric or numeric	The identifier for a small, piped scheme that connects multiple water points. Each individual water point connected to the scheme should include separate GPS coordinates.	N/A	Only share this data with WPdx if the ID is consistently used within the organization or by the larger sector to identify a specific scheme. Do not include narrative descriptions.
Installation Year	#install_year (#date+install_year)	YYYY (e.g., 1994)	Provide the 4-digit installation year.	YYYY	The WPdx upload system will also accept full dates of installation (i.e., 12/12/2022) and convert to YYYY format.
Installer	#installer (#indicator_installer)	Open text	Provide the name of the entity or entities that installed the water system. This should be the entities that completed or were directly responsible for the construction, rather than a donor or other involved stakeholder.	N/A	

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
Rehabilitation Year	#rehab_year (#date+rehab_year)	YYYY (e.g., 1994)	Description: Provide the 4-digit year of most recent major rehabilitation (not just maintenance).	YYYY	The WPdx upload system will also accept full dates of installation (i.e., 12/12/2022) and convert to YYYY format.
Rehabilitator	#rehabilitator (#indicator_rehabilitator)	Open text	Provide the name of the entity or entities that completed the most recent rehabilitation of the water system. This should be the entities that complete or were directly responsible for the construction, rather than a donor or other involved stakeholder.	N/A	
Management Structure	#management (#indicator_management)	Open text; see recommended standardized responses	Select the classification of the entity that directly manages the water point.	● Community Management ● Direct Government Operations ● Private Operator/Delegated Management ● Health Care Facility ● School ● Religious Institution ● Other Institutional Management ● No Management	

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
Payment for Water	#pay (#indicator_pay)	Open text; see recommended standardized responses	Provide the payment amount and basis (e.g., metered, monthly, per jerry can, when broken, etc.). The basis can be provided alone, but an amount without a basis cannot be included.	• No payment • Fees collected – at point of collection • Fees collected – upon breakdown • Fees collected – metered • Fees collected – monthly • Fees collected – seasonally • Fees collected – annually • Fees collected – basis unknown	
Condition	#status (#indicator_water_avail+detail)	Open text; see recommended standardized responses	Provide a status of the physical/mechanical condition of the water point.	• Functional • Functional – but needs repair • Functional – but low yield • Functional – but not in use • Non-functional – technical issue • Non-functional – stolen parts • Non-functional – dry • Non-functional – financial issues • Abandoned/Decommissioned	
Seasonality	#seasonality (#indicator_water_avail+detail)	Binary	Describe if water availability is disrupted seasonally during the year.	• Yes (seasonal water shortages experienced during the year) • No water is available throughout the year	

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
Number of months seasonal	#n_month_seasonal (#indicator_n_month_seasonal)	Number between 0 and 12	Provide the number of months per year when seasonal shortages are experienced	N/A	If a response is provided for this parameter, but not for #seasonality, WPdx will add a Y/N to seasonality based on this entry.
Public Data Source URL	#orig_lnk (#meta_orig_data_url)	URL of dataset or record, starting with http://	Provide the public link to the data record for a specific water point or full data set, including any non-standard compliant data.	N/A	
Photograph	#photo_lnk (#loc_photo_url)	URL of Photograph, starting with http://	Provide the URL of a photograph of the water system. Multiple URLs can be included, with each URL separated by a semi-colon (;).	N/A	
Fecal Coliform Presence	#fecal_coliform_presence (#indicator_fecal_coliform_presence)	Binary response	Describe if fecal coliform was found to be present from water at the water point. Results of e. coli or thermotolerant coliform water quality test from a 100ml water sample collected directly from water point. Total coliform should not be included. If thermotolerant, must be noted in the metadata. Values	• Yes • No	In WPdx datasets, responses will be reported as Yes/No, and unknown/blank values will be shown as empty cells. During upload, users can assign their versions of Yes and No, for example: Yes = Presence,Present No= Absence,Absent

Parameter	WPdx Hashtag (proposed revised Hashtag)	Format	Description	Suggested Standardized Responses	Notes
					Details on the methods used to measure fecal coliform should be entered in the metadata during the upload process.
Fecal Coliform Value	#fecal_coliform_value (#indicator_fecal_coliform_value)	Floating-point value	Results of e. coli or thermotolerant coliform water quality test from a 100ml water sample collected directly from water point. Total coliform should not be included. If thermotolerant, must be noted in the metadata. Value should represent the most probable number or colony forming units in 100ml.		Details on methods to measure fecal coliform should be entered in metadata. In the WPdx dataset, entries for fecal_coliform_value will also be reported under fecal_coliform_presence as Yes/No. For example: Yes: values > 0 CFU No: values = 0 CFU

Subjective Quality	#subjective_quality (#indicator_subjective_quality)	Open text; see recommended standardized responses	Information regarding the perceived quality of the water including taste, appearance, and/or odor.	● Acceptable quality
				● Unacceptable quality
				  - Bad taste
				  - Bad color
				  - Bad odor	

Notes	#notes	Open text	This field can be used to incorporate any additional information not already part of the WPdx standard that is useful to the data provider.		Please provide details on what data is included under the #Notes parameter during the upload process

9