



## REQUEST FOR INFORMATION

**Request for Information (RFI) Number: RFI-01-2022 – ESS+ Aquifer Mapping Activity**

**Issuance Date:** October 5, 2022

**Response Due Date and Time:** October 17, 2022, 17:00 EST

**PROJECT TITLE: USAID/Haiti Evaluation and Survey Services Plus Activity**

Dear Prospective Offerors:

The Evaluation and Survey Services Plus (ESS+) Activity in Port-au-Prince, Haiti, posts this Request for Information (RFI) seeking interest and ideas from local organizations to provide GIS and hydrology services to support an aquifer mapping assessment led by ESS+. The anticipated budget for this activity is \$300,000-\$350,000. This notice is issued as part of the ESS+'s market research efforts and responding to this RFI will not give any advantage to or preclude any organization/individual from responding to any solicitation that may be subsequently issued, as any/all comments received will be strictly for information gathering purposes only.

Issuance of this RFI does not constitute a solicitation. It does not represent an award commitment on the part of ESS+, nor does it obligate ESS+ to pay for costs incurred in the preparation and submission of any comment. Information received in response to this RFI shall become the property of ESS+, therefore, information that cannot be shared should not be sent.

Responses should be sent to [dguimaraes@ibi-usa.com](mailto:dguimaraes@ibi-usa.com), no later than the date and time stated above.

Please insert “**RFI-01-2022 – ESS+ Aquifer Mapping Activity**” in the Subject Line. Responders will not receive individualized feedback. Specific questions about this RFI should be directed only to the email addresses indicated above.

Thank you for your interest in the proposed activity. We appreciate your time and effort in responding to this RFI and look forward to receiving your input.

Best Regards,

A handwritten signature in black ink, appearing to read "Danny Guimaraes", is positioned above the typed name.

Danny Guimaraes  
Project Manager

**Background:**

In August 2022, The United States Agency for International Development (USAID) awarded International Business Initiatives Corp. (IBI) The Evaluation Survey Services Plus (ESS+) contract to support USAID/Haiti and its partners with evaluations, survey and study support, capacity building and learning events, and in-country Third Party Monitoring.

USAID/Haiti has requested that the ESS+ Activity design and implement an assessment of aquifers in USAID/Haiti's Resilience Focus Zones (RFZs) to gain understanding of aquifer storage status and trends to help effectively manage groundwater resources.

The purpose of the assessment is to characterize the quantity, quality, and sustainability of ground water in aquifers for better management and decision making. Improved understanding of the geologic framework of aquifers, their hydrologic characteristics, water levels in the aquifers and how they change over time, and the occurrence of natural and anthropogenic contaminants that affect ground water quality would contribute significantly to resource management models and tools development aiming at long-term sustainability of ground water resources in the resilience zones. The primary stakeholders for this assessment include the Ministry of Agriculture Natural Resources and Rural Development, Direction Nationale de L'eau Potable et de L'assainissement (DINEPA), USAID/Haiti, implementing partners of Water, Sanitation and Hygiene (WASH)/Agriculture projects, and other donors and entities active in Haiti's WASH/Agriculture sectors (the World Bank, JICA, IDB, World Vision), and a variety of NGOs and religious affiliations devoted to improving water management and use in Haiti. The Aquifer mapping exercise will help the Mission address challenges to the sustainable management of groundwater resources in the Resilience Focus Zones.

Attachment 2 to this RFI contains the draft scope of work for the assessment.

**Submission Instructions:**

Responses must be in a font size of 12 with one inch margins. Responses must fully address the requirements in Attachment 1. Any organization responding to this RFI must ensure that its response is complete and sufficiently detailed to allow ESS+ to incorporate any observations into the final draft of the SOW.

## **ATTACHMENT 1**

### **Response Requirements**

Responses to this RFI must include the following:

1. A table that contains the following information:
  - a) Organization name and address
  - b) Organization point of contact name, telephone number and email address
  - c) A brief statement of interest that indicates the organization's interest and qualifications to achieve the stated SOW. Please also indicate your organization's availability to participate in group discussions with the client and other geoscience firms.

Responses to the following questions:

1. Do you have any changes to suggest to the illustrative assessment questions? Are they all answerable, given the scope of the assignment? Do you have suggestions for adding or deleting questions from the list in order to achieve the objectives of the assessment?
2. Do you have any changes to suggest to the Scope of Work?
3. What scale would you propose for the maps, given your methods and available budget?
4. The timeline in the document does not yet contain deadlines. Do you have deadlines to suggest for any of the steps/deliverables noted in the timeline?
5. Do you think that the anticipated budget range is adequate? Why or why not?
6. Do you plan to submit a proposal?
7. Please propose the adequate methodology and assessment team composition needed to carry on this exercise.

## ATTACHMENT 2

### Scope of Work

ESS+ is seeking to engage a geoscience firm as a subcontractor who is well versed in aquifer mapping. The Subcontract would be Firm Fixed Price with the anticipated period of performance starting October 2022 and the data collection taking place in USAID Haiti's Resilience Focus Zones (Figure 1).

This scope of work (SOW) describes the services required to complete the Aquifer Mapping Activity.

#### Scoping Phase

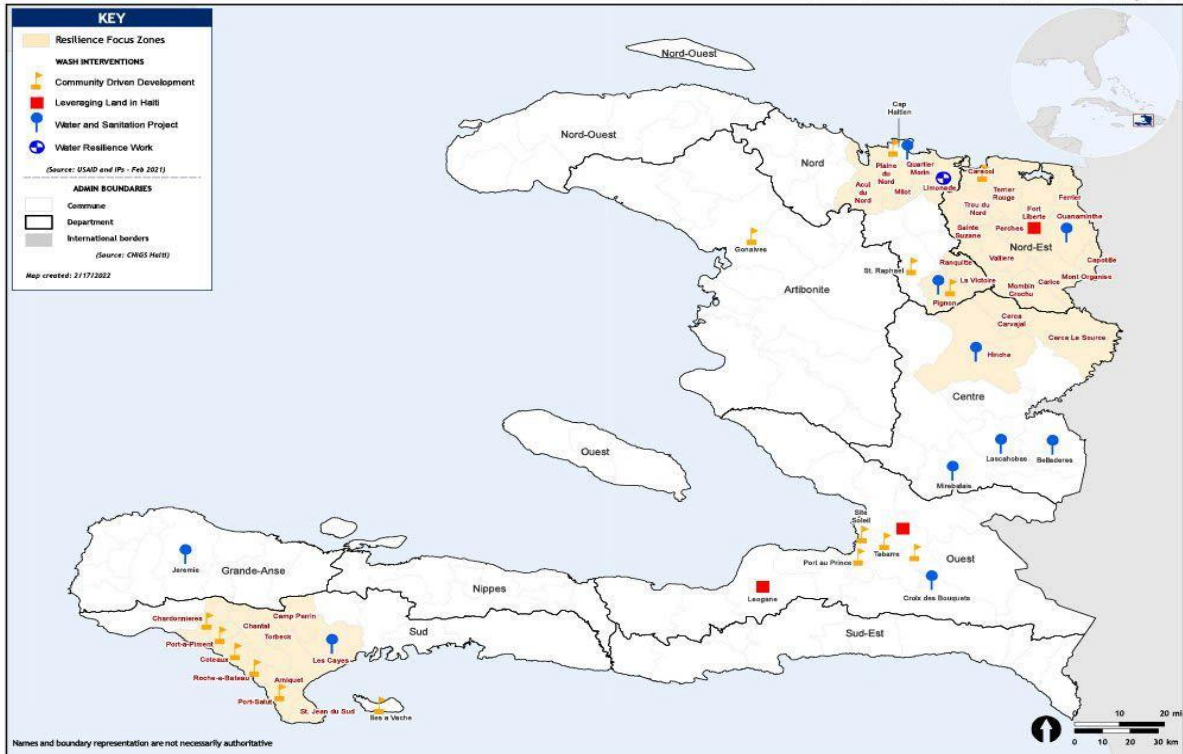
During the scoping phase the Subcontractor will collect secondary data and other relevant information for the areas overlying the relevant aquifers within the agreed geographic scope to inform the development of models (see below) and recommendations on the governance and sustainable use of the groundwater resources. These data sources must include those that address both the social and economic components of the objectives of this assessment (e.g. availability of drinking water and availability of water for livelihoods and economic activities like agriculture, and social services).

Additionally, the Subcontractor shall recommend the appropriate number of aquifers, with justification, to do a baseline on, using population size as a criterion of interest. As a part of the geographic scoping of the assessment, the Contractor shall contact Direction Nationale de L'eau Potable et de L'assainissement (DINEPA), the Center for Geospatial Information (CNIGS), and/or other relevant organization to request access to any recent mapping information they have available for public use.

The Subcontractor must propose and describe a tentative list of data sources that they deem relevant, appropriate, and publicly-available, inform evaluation (assessment) questions. Particular emphasis should be given to how the Subcontractor will develop a sampling frame of aquifers to be sampled in this assessment.

#### Design

The Subcontractor shall propose a sound design which shall include (1) a brief summary of what the team learned from its review of Activity background documents and other relevant literature; (2) a brief summary of the information gaps to be filled through the primary data collection; (3) a detailed assessment design, including type of data to be collected, nature of the sample units, key stakeholder groups to be participants, sampling frame and sampling approach, data collection and analysis methods, and an assessment matrix that links the Assessment Questions to data sources, methods, and the data analysis plan that will facilitate completely addressing the questions; (4) draft questionnaires and other data collection instruments or their main features; (5) the list of potential interviewees and sites to be visited; (6) known limitations to the assessment design; and (7) a dissemination plan.



**Figure 1: USAID/Haiti Resilience Focus Zones**

### Primary data collection

Based on the information gathered during the Scoping phase the Subcontractor will lead the sampling frame and sampling plan development, with input from the ESS+. The Subcontractor will be required to coordinate with ESS+ on the design, planning, and implementation of the data collection. The Sub-Contractor shall develop all data collection instruments (qualitative and quantitative) in English, French and Haitian creole (for Key Informant Interviews)

The data collection events will take place within USAID Haiti Resilience Focus Zones (RFZs) throughout four Haitian geographical departments: South (within 10 communes), North (within 8 communes), North-East (within 13 communes) and Centre (within 3 communes). The data collected shall allow the subcontractor to assess/enumerate: (1) the quantity of quality of groundwater resources; (2) aquifer storage change over time; (3) major water uses/users and size of dependent populations in service area; (4) potential impacts of further groundwater exploitation.

The Subcontractor shall propose relevant methodologies to meet the need of information expressed in this SOW through the assessment questions. The subcontractor shall conduct Key

informant interviews with all actors (governmental agencies, NGOs, private sectors, international organizations, Civil Society) relevant to the aquifer mapping activity.

The Subcontractor shall collect all quantitative data on the aquifers and populations within the RFZs. The survey sample should be designed to cover all aquifers within the target areas of the Activity. The Subcontractor will be responsible for the planning, supervisor/enumerators/training, piloting, data collection implementation and logistics, data security, recordings, mobilizing people, and providing technologies for remote data collection in the face of COVID-19 as appropriate.

The Sub-contractor will conduct pilot (pre-test) surveys prior to enumerator training to ensure the instrument's soundness, using experienced enumerators and supervisors. Each enumerator/supervisor who participates in the pilot survey is expected to conduct surveys with a minimum of 3 to 4 sites. The Sub-contractor will pilot the questionnaires with aquifers that are not in the sample frame. After completing the pilot, the Sub-contractor will hold debriefing sessions in which any difficulties or problems with the survey will be identified. The Sub-contractor will communicate any proposed changes to ESS+.

In addition, the data that will be collected shall allow the Subcontractor to generate maps and make recommendations based on findings, providing information that is useful to decision makers involved in water service provision, water resource management, agri and livestock husbandry, and commercial water use. Finally, the Contractor shall include recommendations for university curricula; technical assistance for capacity building for local water authorities, along with digital technology and equipment options for sustainable groundwater management to increase and enhance the ability of local institutions to manage and safeguard sustainable access to adequate quantities and quality water for socio-economic development, including, improved access to safely and sustainably managed water for drinking, livelihoods and economic growth, and social services in Haiti's Northern and Southern Resilience Focus Zones .

### **Develop modeling scenarios to characterize water usage and changes to groundwater quantity and quality and impacts of further groundwater development**

Based on both primary and secondary data, the Subcontractor shall collaborate with the USG and Government of Haiti to develop modeling scenarios, including collaboratively determining the parameter of the scenarios. Modeling scenarios should consider the needs of key stakeholders to inform decision-making in planning, budgeting and policy development for optimal and equitable use of the groundwater source for multiple uses (e.g. household and social services consumption, economic and ag related activities). The modeling scenarios should be scientifically based and inform recommendations on how to manage and safeguard sustainable access to and utilization of the groundwater in the aquifers. They should also include potential tradeoffs associated with different models and associated choices. The assessment team can suggest a final number of scenarios but there should be at least 3 scenarios that include short- and longer-term options (limited to 10 years or less).

Models should consider the following:



- Account for updated information on population and climate change induced water stress: Long-term population growth, economic development, and water stress continue to place compounding pressures on Haiti's freshwater supply. Facing projections of more frequent and severe climate change induced water shortages, it is likely that the stresses on Haiti's aquifers will be exacerbated in the coming decades. This model shall develop a quantitative mathematical programming model accounting for population growth and growing climate stress on Haiti's freshwater supply and recommend measures to optimize aquifer recharge and protect its aquifer use sustainability.
- Be created with data, variables, equations, constraints, and an objective function. The analysis shall rest on a foundation of one or more mathematical programming models that guide policymakers on policy and governance that promotes sustainable use and socio-economic development consistent with hydrological, biological, legal, and economic constraints governing aquifer use and management.
- Protection and expansion of availability of water for drinking water, sanitation, and municipal services
- Protection of livelihoods of small farm irrigation, including how small farm adaptation to declining aquifers in which farm households faced with land size and productivity constraints can respond in ways to reduce potential income losses while protecting and sustaining aquifers.
- Protection and expansion of urban water use, including groundwater for urban livelihoods, sanitation, drinking.
- How expanded groundwater use might impact ecosystems and associated services

## THE ASSESSMENT QUESTIONS

USAID suggests that this data should respond to the following assessment questions:

1. What is the status of water quality/quantity in the aquifers supporting communes in the Northern RFZ/ Southern RFZ?
2. What are the current opportunities provided by current/past USAID-supported activities/partnerships/institutions that will benefit from capacity strengthening/technical assistance to better manage/mitigate water insecurity/climate change risks?
3. What is the approximate size of the populations depending on each aquifer in Northern and Southern RFZ? What is the rate of increase/decrease of these populations?
4. What is the rate of water extraction from these aquifers, and this rate sustainable?
5. What is the most significant source of pollution threatening aquifers as a safe water source? Are there other threats to aquifers in Southern and Northern RFZ, other than extraction and pollution?
6. Based on available demographic and population data, to what extent can modeling scenarios be developed for optimal management of the aquifers? Designed to characterize water usage and changes to the quality and quantity of groundwater resources, these

models should take into account (a) the rate of extraction of water from these aquifers, (b) the current most significant users (domestic, agriculture, industrial), (c) the most significant source of pollution threatening aquifers as a safe water source, (d) Other socio-economic data.

## Validation and presentation for policy and decision-makers

The Subcontractor shall get on the agenda of the monthly meeting of the Haiti Groupe Sectoriel Eau et Assainissement (GSEPA) round table to share results and to solicit feedback on assessment and recommendations on how to manage the sustainable use of groundwater resources to facilitate socio-economic development.

### Activity Tasks

#### *Preparation*

**Clearances** – The Sub-contractor will be responsible for identifying and liaising with the necessary authorities to gain permission/clearances to legally perform all tasks specified in this SOW. The Sub-contractor will be required to keep documentation of all requests, approvals, and correspondence between relevant parties and provide copies to ESS+ upon request. The Sub-contractor will be expected to maintain positive, professional relationships with all local stakeholders and report any challenges therein immediately to ESS+.

**Workplan:** The Subcontractor is responsible for developing a detailed work plan and schedule within one week of contract award. The document will detail the following: expected duration and sequencing of tasks, staffing/team composition, team roles/responsibilities, data collection, data quality assurance protocols, data analysis and reporting. The Work Plan should outline any areas for which the Subcontractor requires support from ESS+.

**Design-** The Sub-Contractor is responsible for developing a sound design with a detailed assessment design matrix that links the Assessment Questions in the SOW to data sources, methods, and the data analysis plan. The Sub-Contractor shall submit the design within three (3) weeks upon award.

**Data Collection** - The Sub-contractor is responsible for planning all scoping activities, Key informant Interviews (KIIs) and surveys in the field, based on lists generated and sampling plan developed by the Sub-Contractor with input from the ESS+. Note that data collection activities must be compliant with policies regarding restrictions due to COVID-19.

- The Sub-Contractor should develop Manuals for Field Staff –With input from ESS+, and the Sub-contractor will be responsible for developing comprehensive manuals for field staff. These will include manuals for facilitators and notetakers, supervisors and enumerators. ESS+ and IBI/SI home office staff must have a chance to review and approve the final manuals at least five business days prior to the start of training.



- The Sub-Contractor should develop Staff Training – All facilitators, notetakers and supervisors, enumerators are required to receive training prior to data collection. The training shall be comprised of classroom as well as practice sessions administering consent for and surveys, while respecting restrictions due to COVID-19. The Sub-contractor is required to specify the recommended duration and content of field staff training as part of the technical approach. The Sub-contractor shall describe in their technical proposal their approach to assessing facilitators, notetakers, enumerators, note and survey database readiness to conduct data collection during and after the training. It is recommended that more facilitators/interviewers, notetakers, supervisors and enumerators be trained than will be required for any data collection activity, so top-performers can be selected, and a pool of back-up interviewers/facilitators, notetakers, supervisors and enumerators be ready in case of need. ESS+ representatives will assist with the training, may test facilitators, notetakers, supervisors and enumerators as needed and may require, at their discretion, replacement of facilitators, notetakers, supervisors and enumerators deemed to be performing inadequately in training or in the field.

**Piloting/Pre-testing** – Pre-testing and piloting will be done as part of staff training and will focus on the entire data collection process. This is meant to be a “real-life” practice of the data collection. The Sub-contractor should plan to conduct pilots. The Sub-contractor must describe their approach to pre-testing all instruments, and how they will ensure that no elements from the study sample are included in pre-testing. The Sub-contractor must describe how many data collection events will be conducted during the pre-testing, where they will be conducted, and how they will coordinate with ESS+ to revise the instruments as needed based on the outcomes of the pretesting. After completing the pilots (KIIs, survey) the Sub-contractor will hold debriefing sessions in which any difficulties or problems with the survey will be identified. The Sub-contractor will communicate any proposed changes in track changes to ESS+ and after approval the questionnaire will be modified. The final version of the instruments will be produced, eventually integrating minor changes suggested during the pilot, and shared with ESS+.

**Data collection-** With regards to the aquifers, the subcontractor shall provide information about data collection on both water quantity and water quality, how samples and data will be collected and handled, how laboratory and statistical analysis will be conducted, and how maps will be constructed.

- The subcontractor should provide information about how socio-economic data will be collected, including all required logistic and human resources, risk management measures and ethical considerations associated with the data collection.

## Reporting

The Subcontractor shall submit a ***Draft Assessment Report within 10 business days after the first out-brief presentation:*** The draft assessment report should be consistent with USAID

provided guidance on **Final Report Format**. The report will address each of the questions identified in the SOW and any other issues the team considers to have a bearing on the objectives of the assessment.

The Subcontractor shall submit the **Final Assessment Report and other communication materials**: The assessment team will be asked to take no more than 5 business days to respond/incorporate the final comments from the client.

### **Quality Assurance**

Data Quality Assurance processes are required in real-time during all phases of this engagement: notetaker, supervisors and enumerators training, pilot testing, data collection, and all deliverable development. It is the Sub-contractor's responsibility to identify and communicate problems in all phases of the engagement with ESS+. Minor issues should be corrected on the spot, to the extent that they do not change the scope of services or cause an increase in costs. Larger problems should be raised with ESS+ and collaboratively discussed before taking any remediation measures, which may require a subcontract modification.

- The Sub-contractor will implement quality control measures to ensure a high level of team leader, assistant team leader and enumerator performance. A full description of these measures and the results of the quality control must be included in the final weekly status report (see below). The Sub-contractor shall ensure that every KII participant, aquifer can be matched to a questionnaire and an enumerator. For each verification conducted, a brief verification form should be completed. ESS+ may request to review these forms. The Sub-contractor must describe how they will conduct quality control during data collection, at minimum, following the requirements listed below.
  - Daily team debriefs: Check-ins with the interviewers/facilitators, note takers, supervisors, enumerators, and field staff to review any challenges faced, allow for questions and clarifications, and provide feedback to the wider group. These are especially important early in the data collection activity to ensure that proper interviewing habits are formed, and data are collected appropriately.
  - Facilitator checks: Interviewers/Facilitators will check their teams' notes daily before they are submitted to the server to ensure completeness and spot-check for errors by randomly listening to 5-10 minutes of recording and check against notes.
  - Survey Back-Checking Protocol: Whether it is an in-person or an electronic back check, ESS+ requires the Sub-contractor to closely monitor enumerators' work during field work. The Sub-contractor must check all fieldwork carefully against documented minimum standards, and any cases that do not meet various quality control procedures will have to be removed from the final data file. If necessary, the

Sub-contractor will go back to collect additional surveys using proper procedures before the survey can be considered complete.

- Logbook: Enumerators should always have a logbook in which they record relevant information on what happens in the field, such as field visited and contact and call-back details (for KIIs). ESS+ may request to review these logs. A copy of a field log will be included in the delivery of materials to ESS+.
- ESS+ staff will be performing independent Quality Assurance activities during the entire assessment, including, at a minimum, the following actions:
  - ESS+ will delegate a Program Manager (PM) and a Program Director (PD) to oversee the overall assessment process, including reviewing deliverables, providing guidance and support in the data collection process, and conducting additional quality assurance. The sub-contractor should work closely with ESS+ staff, providing updated information about logistics, plans, and insights during their supervision visits.
  - ESS+ staff will conduct independent quality checks of the data downloaded directly from the server up to three times a week, summarizing any questions or feedback for the sub-contractor from each check. The sub-contractor will be required to respond to these questions within one business day of receiving them.

### **Respondent Protection & Data Security**

The Sub-contractor is required to abide by ESS+ respondent protection and data security protocols (to be provided upon award). The Sub-contractor will be given an opportunity to comment on the protocol and provide feedback that allows ESS+ to better contextualize the protocol (without modifying ESS+ “required minimums”).

All field staff will be asked to sign a non-disclosure agreement (to be provided upon award) signifying their understanding of ethical behavior in the field and proper handling of respondents’ confidential and private information, including personally identifiable information (PII). The Sub-contractor will ensure proper measures are taken in the field to monitor facilitators’, note-takers’, supervisors’ and enumerators’ behavior with respect to respondent protection and data security (including interviewing, handling of recording devices, etc.). The Sub-contractor will also be responsible for ensuring that detailed summary notes and other documentation do not include PII.

### **Deliverables**

The Sub-contractor will be required to attend all meetings scheduled for this exercise including the kickoff meeting with USAID and subsequent bi-weekly meetings with USAID and ESS+ team as well as submit 13 main deliverables that are outlined below:

**Work Plan:** The Sub-contractor is responsible for developing a detailed work plan and schedule within one week of contract award. The document will detail the following: expected duration

and sequencing of tasks, staffing/team composition, team roles/responsibilities, data collection, data quality assurance protocols, data analysis and reporting. The Work Plan should outline any areas for which the Subcontractor requires support from ESS+.

- **Design Report:** The Subcontractor will develop and submit a detailed design that presents a thorough description of the methodologies to be used for data collection and how the assessment questions will be answered.
- **Training, Pre-test & Pilot Report:** This report will describe the activities undertaken during the training and piloting, and identify problems, solutions, and the way forward. The report will also share any training materials used to train enumerators.
- **In-brief Presentation:** Prior to field work data collection the Subcontractor will have an in-briefing (PowerPoint Presentation) with ESS+ and USAID to discuss having a shared understanding of the design approach and proposed methodology, etc. This is an opportunity to clarify the assignment (including the assessment questions or logistic needs) and assumptions, and ensure that data collection tools, sampling, and analysis plans will capture the information needed to answer the assessment questions and with the highest quality.
- **Weekly Status Reports:** This report will cover activities undertaken during the period, challenges faced, strategies adopted to overcome such challenges, programming of upcoming activities for the next reporting period, and any identified risks related to upcoming activities.
- **Detailed Summary KII:** After each KII/GI, the team needs to meet to write detailed summary notes, which consist of a faithful detailed report of what was said during the interview, enriched with details from audio recording such as examples, illustrations, explanations, and direct quotes. The summary notes will remain the raw qualitative data to inform ESS+ about findings from the field. They must be in French, stay as close as possible to the recordings, and contain as many quotes as possible. The notes must be anonymized to protect participants' identities, and the Sub-contractor must provide a separate spreadsheet that lists who participated in each KII with basic demographic data like age, gender, etc. Summary notes must be uploaded daily to the server.
- **Audio-recording:** The audio recording of each KII/GI must be submitted to ESS+ as a backup file that supports the summary notes. Audio recordings must be uploaded daily to the server.
- **Out briefing Presentation:** The assessment team is expected to hold several presentations with USAID to discuss the summary of findings, conclusions and recommendations within 20 business days after the conclusion of fieldwork
- **The complete, raw data database and codebook**, in either excel, csv, or Stata format, with detailed data codebook. The subcontractor also needs to translate all open-ended answers into English when submitting the survey database. The subcontractor will also provide any databases used or accessed through this assessment, and all the software code developed to analyze the data and produce the report.

- **Maps:** The Subcontractor shall provide GIS coordinates for aquifers mapped, and presentation-sized maps.
- **Draft Report:** The draft assessment report should be consistent with USAID provided guidance on Final Report Format. The report will address each of the questions identified in the SOW and any other issues the team considers to have a bearing on the objectives of the assessment.
- **Scenarios & Final Report:** Finalized, validated scenarios. Details on how the scenarios were developed should be provided, including the data sources, approach, models, and potential recommendations -including recommendations for planning, budgeting, and policy development (including regulations). Final reports should be provided to ESS+ in both French and English.
- **Validation Presentation:** This presentation should provide the key findings from this assessment and implications for policy and decision-making to support the economic performance and sustainable use of aquifers. The presentation should be prepared for USAID in English and presented at the Haiti GSEPA in French for feedback.
- **Executive Summary Report:** A document of no more than 2 pages, one version in English and one in French, that includes data visualization and maps as annexure where relevant. This document should be tailored to an audience who is not familiar with the technical aspects of the modeling approach in the scope of work. It should provide the key findings from the assessment and implications for policy and decision-making to support the economic performance and sustainable use of aquifers.

## Timeline

Tasks	Activities	Planned Date (approximate dates and exact dates will need to be confirmed)
Work Plan	Develop Work plan	Within one week upon contract award
Kick off meeting with client. Then bi-weekly meeting with client and ESS+ team throughout the conduct of this task.		
Design	Develop the design	Within three weeks upon contract award
In-Brief Presentations		
Scoping Work/ Document review	Literature review	

Training on Instruments and Field methods	Adapt, customize a training manual	The Sub-Contractor will send the training manual to ESS+ approximately 1 week before training starts.
	Submit final and customized manuals	
	Pilot test and adjust survey instrument	
	Provide training to Facilitators, note takers, supervisors and enumerators	
Fielding the Survey/KII		
Analysis		
Out-brief Presentations		
Draft Report		
Final Report		



## Personnel

The table below presents the required positions and associated qualifications for achieving the SOW.

*Table 3: Personnel*

Key Personnel	Qualifications
Team Leader (1)	<ul style="list-style-type: none"> <li>• Required 10-15 years of relevant experience in conducting assessments of this nature. Experience in hydrology is strongly preferred.</li> <li>• Ability to speak and write in English at a professional level is required. Ability to speak French is required.</li> </ul>
Hydro Geologist (1)	<ul style="list-style-type: none"> <li>• Required 5-10 years of relevant experience in designing and implementing groundwater analysis.</li> <li>• Experience with water quality evaluation and modeling techniques for water resources management and governance is required.</li> <li>• Hydrology related experience working in the water development sector in Haiti.</li> <li>• Experience in data interpretation and analysis and GIS spatial analysis.</li> <li>• Working competency in French or Kreyol preferred.</li> </ul>
Notetakers ()	<ul style="list-style-type: none"> <li>• Required 3 years of relevant experience in qualitative data collection exercises in Haiti</li> </ul>
Supervisor ()	<ul style="list-style-type: none"> <li>• Required 3 years of relevant experience in data collection exercises in Haiti</li> </ul>
Enumerators ()	<ul style="list-style-type: none"> <li>• Required at least 3 years of relevant experience in data collection exercises in Haiti.</li> </ul>