



# CLUB DES AMIS DU VILLAGE

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**Project: "Sustainably improve access to water and sanitation in rural areas for the benefit of the communities of Kparatao, Nigbaoudè II, Yéliwa -Peuhl, N'Tchourou and Pagala - Gare respectively in the prefectures of Tchaoudjo , Tchamba and Blitta in Togo"**

**PROJECT ACTIVITY PROGRESS REPORT 1 (FROM PROJECT LAUNCH TO BOREHOLE WATER ANALYSIS)**

Ref.: NGO CAV / GG / Projects 2026 / 001

**MARCH 2026**

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**« UNE ORGANISATION DE PROMOTION DE LA FEMME ET DE PROTECTION DE L'ENFANCE »**

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## **INTRODUCTION**

The implementation of the activities of the project "Sustainably improving access to water and sanitation in rural areas for the benefit of the communities of Kparatao , Nigbaoudè II, Yéliwa -Peuhl, N' Tchourou and Pagala -Gare respectively in the prefectures of Tchaoudjo , Tchamba and Blitta in Togo" began with the awareness-raising phase for the beneficiary communities from 06 to 09 January 2026. It is implemented by the NGO CAV with the financial support of the COCHRAN Family based in the USA through GlobalGiving .

This report summarizes all activities carried out from January 6th to February 28th, 2026.

The following activities were carried out during this period:

- Raising public awareness about the project and establishing drilling sites ;
- Implementation and construction of the sanitary block in N' Tchourou ;
- Conducting geophysical studies;
- Well drilling;
- Water pumping and analysis;
- Monitoring of project activities.

## **I - COURSE OF ACTIVITIES**

### **1. Raising public awareness about the project and establishing drilling sites and the sanitary block:**

Awareness campaigns took place from January 6 to 9, 2026 in the localities benefiting from the drilling and sanitation block project.

During these awareness sessions, the beneficiaries were equipped with the knowledge of their responsibilities to now take charge of the management and maintenance of the structures to be built.

The sites chosen are those belonging to the entire community or space given by the community or landowners with proof of site ownership.

### **2. Construction of the sanitary block in N' Tchourou of 3 latrines and 3 showers:**

Following the awareness-raising phase and the site's establishment on January 6, 2026, the following activities were carried out by the company in charge of the project:

- The search;
- The making of concrete blocks;
- The foundation;
- The raising of the walls;
- The frame and sheet metal roofing

### **3. Geophysical studies:**

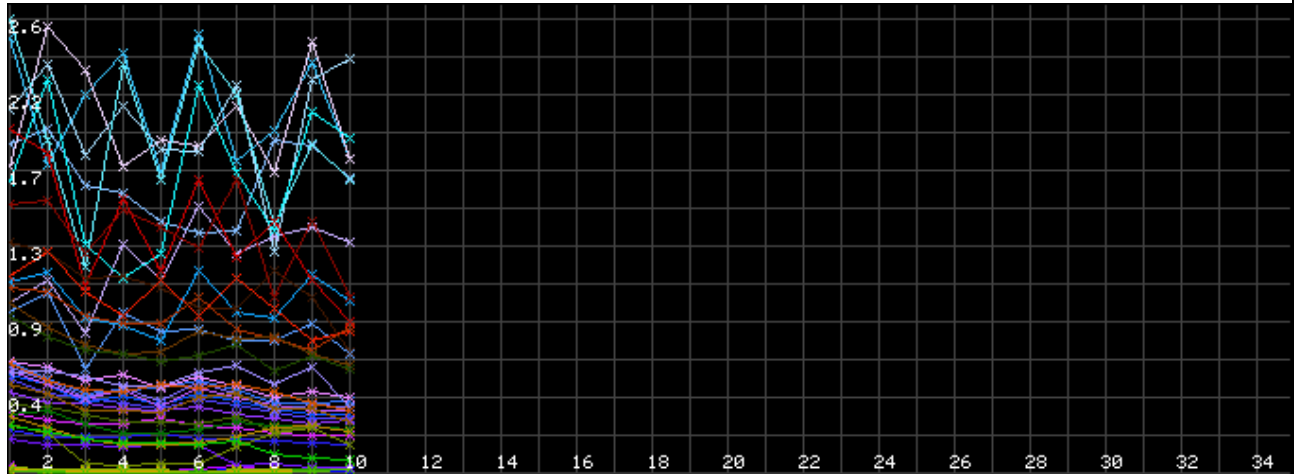
The geophysical studies took place in the beneficiary communities from January 11 to 14, 2025.

These studies revealed the existence of abundant groundwater between 60 and 120 meters deep, as indicated by the following results per site:

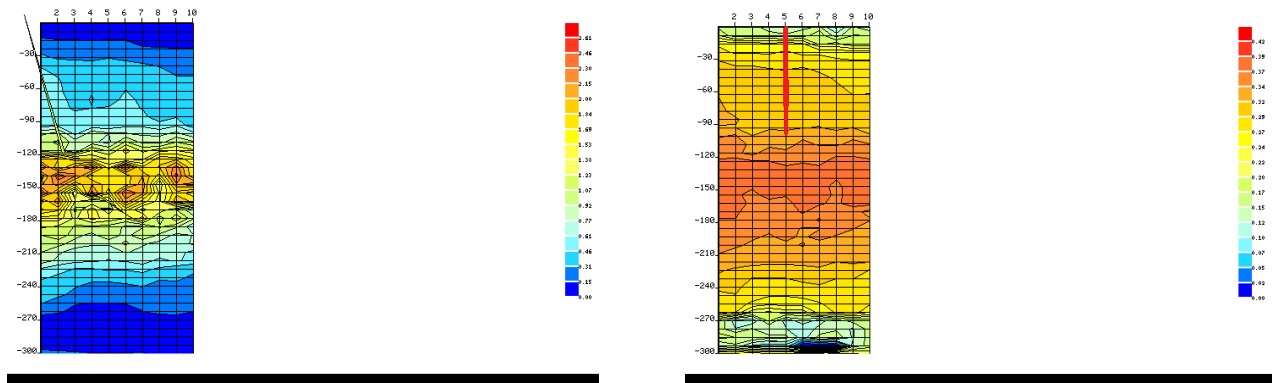
**Table 1 – Results of geophysical studies**

**Figure 1 – Geophysical studies at the Kparatao site**

<b>Date: 17/01/2026</b>	<b>Region: CENTRAL</b>	<b>Prefecture: TCHAOU DJO</b>
<b>Canton: KPARATAO</b>	<b>Village: KPARATAO</b>	<b>Location: CENTRE</b>
<b>Profile length: 19 m</b>	<b>Number of points: 9</b>	<b>Orientation: NNE/SSW</b>
	<b>Positive points: 5</b>	
<b>Latitude: 8.953244°</b>	<b>Longitude: 1.198322°</b>	



**Resistivity curves derived from 40 frequencies**

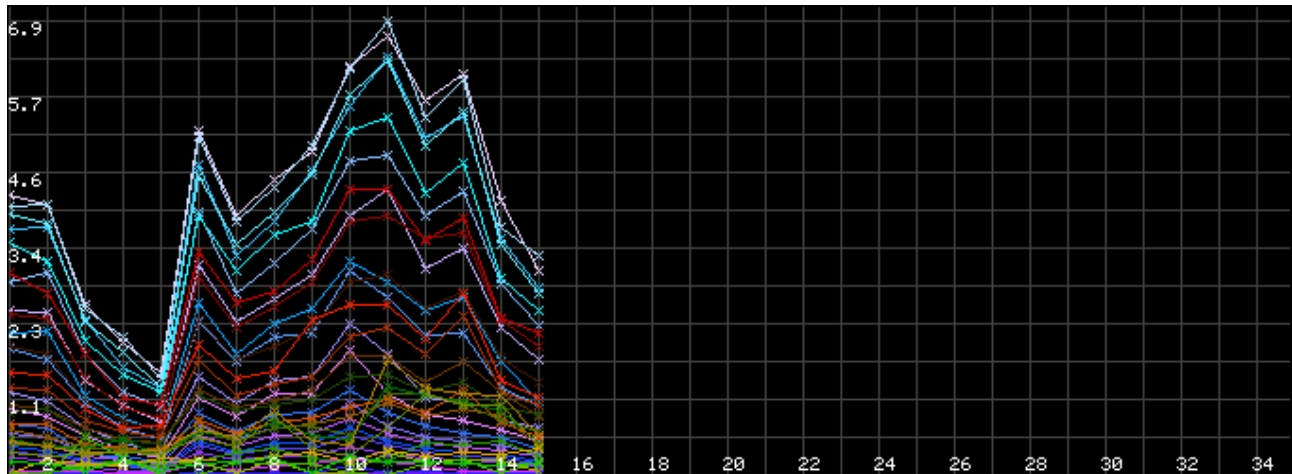


**Cross-section of the studied subsoil, original map . This profile cross-section of the studied subsoil, process map . This profile shows, in general terms, the thickness of the water table and the various fractures encountered in the studied subsoil.**

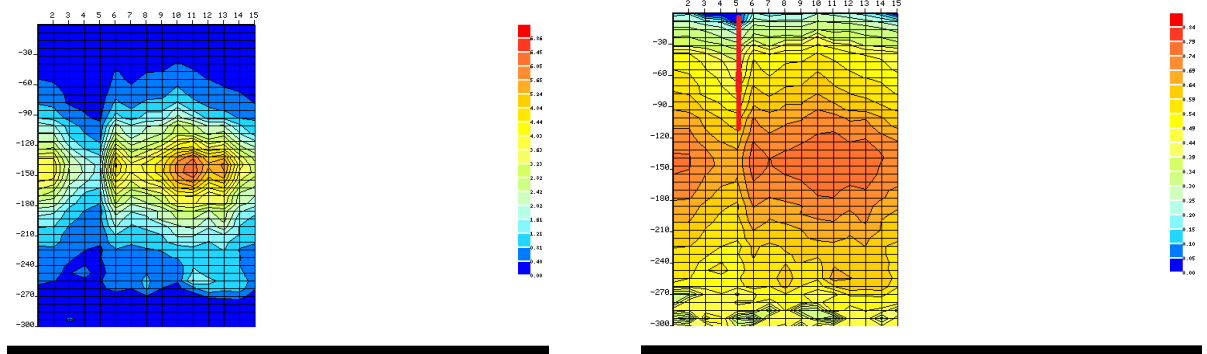
**Profile analysis:** Point 05 is favorable for a 70 m deep borehole minimal or a maximum depth of 120 m with an estimated flow rate of 4,600 m<sup>3</sup>/h. The first water inflows are observed between 40 and 45 meters. The second water inflows are observed between 60 and 90 meters.

Figure 2 – Geophysical studies on the Nigbaoudè II site

Date: 12/01/2026	Region: CENTRAL	Prefecture: TCHAOUDJO
Canton: KPARATAO	Village: NIGBAOUE 2	Location: CENTRE
Profile length: 25m	Number of points: 15	Orientation: N/S
	Positive points: 5	
Latitude: 8.951232°	Longitude: 1.193412°	



Resistivity curves derived from 40 frequencies

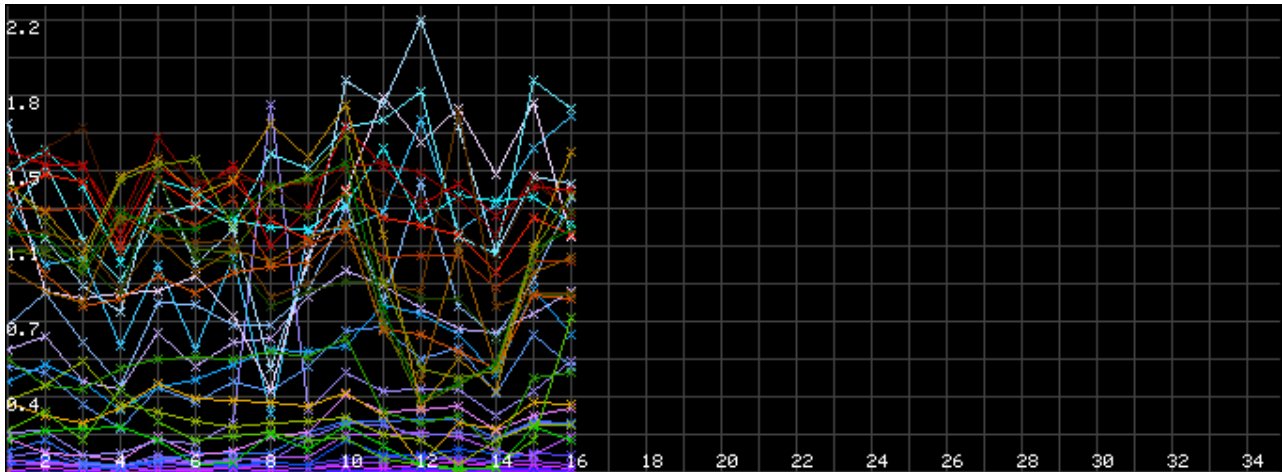


Cross-section of the studied subsoil, original map . This profile cross-section of the studied subsoil, process map . This profile shows, in general terms, the thickness of the water table and the various fractures encountered in the studied subsoil.

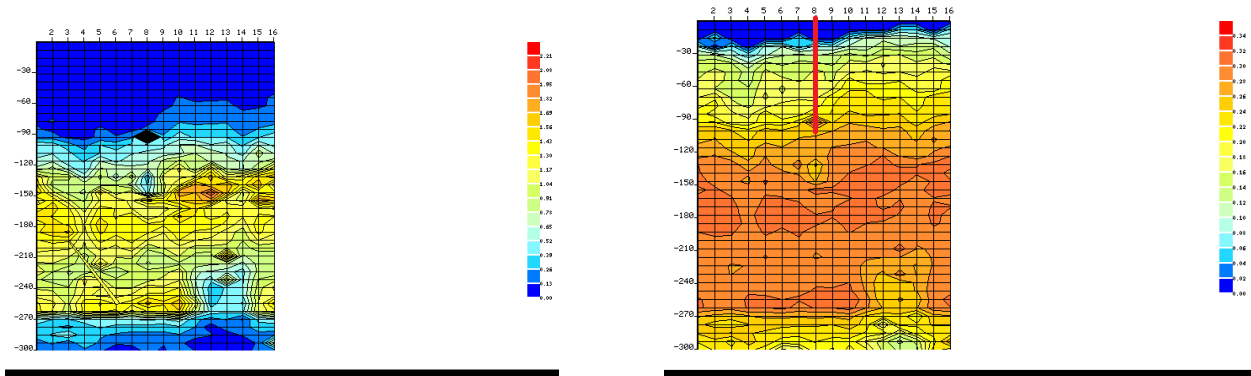
**Profile analysis:** Point 05 is favorable for drilling to a depth of 85 m minimal or a maximum depth of 100 meters with an estimated flow rate of 3,700 m<sup>3</sup>/h. The first water inflows are observed between 50 and 60 meters and the second water inflows between 70 and 80 meters.

Figure 3 – Geophysical studies at the Yéliwa / Kaoudè site

Date: 12/01/2026	Region: CENTRAL	Prefecture: TCHAMBA
Canton: LARINI	Village: YELIWA	Locality: KAOUDE
Profile length: 25 m	Number of points: 15	Orientation: N/S
	Positive points: 8	
Latitude: 9.105388°	Longitude: 1.425666°	



Resistivity curves derived from 40 frequencies

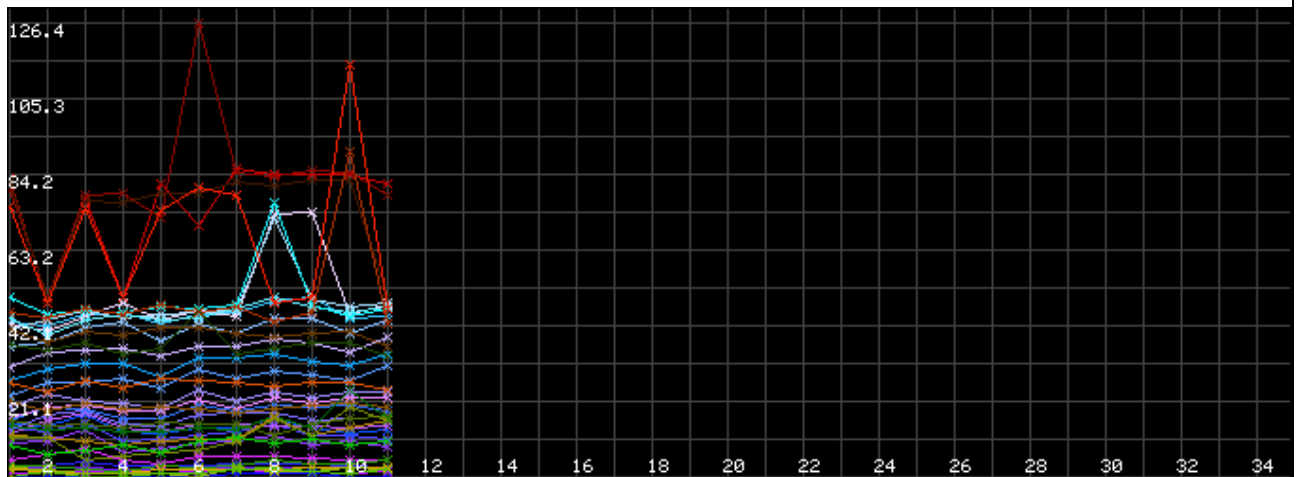


Cross-section of the studied subsoil, original map . This profile cross-section of the studied subsoil, process map . This profile shows, in general terms, the thickness of the water table and the various fractures encountered in the studied subsoil.

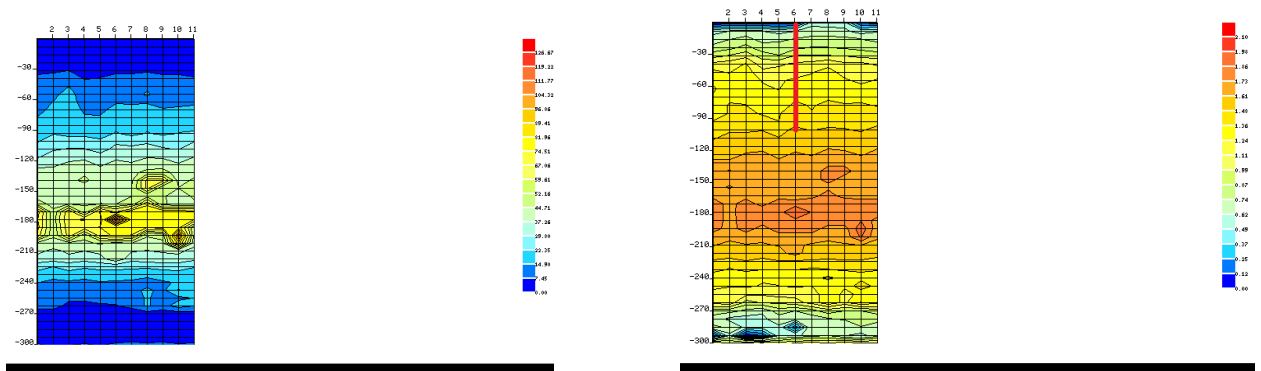
**Profile analysis:** Point 08 is favorable for a 60 m deep borehole minimal or a maximum depth of 90 m with an estimated flow rate of 4,100 m<sup>3</sup>/h. The first water inflows are observed between 40 and 45 meters. The second water inflows are observed between 60 and 70 meters.

Figure 4 – Geophysical studies on the Pagala -Gare site

Date: 13/01/2026	Region: CENTRAL	Prefecture: BLITTA
Canton: PAGALA GARE	Village: PAGALA GARE	Locality: ZONGO
Profile length: 20 m	Number of points: 10	Orientation: E/W
Latitude: 8.18062°	Positive points: 6	
	Longitude: 0.971274°	



Resistivity curves derived from 40 frequencies



Cross-section of the studied subsoil, original map . This profile cross-section of the studied subsoil, process map . This profile shows, in general terms, the thickness of the water table and the various fractures encountered in the studied subsoil.

**Profile analysis:** Point 06 is favorable for a 95 m deep borehole minimal or a maximum depth of 110 m with an estimated flow rate of 3,700 m<sup>3</sup>/h. The first water inflows are observed between 35 and 40 meters. The second water inflows are observed between 65 and 75 meters.

#### 4. Drilling, Development and Equipment

Drilling, development and equipment work was successfully completed at all 4 project sites from January 21 to 25, 2026.

The technical data is recorded in the table below.

**Table 2 - Drilling Results**

No.	Region	Prefecture	Canton	Villages	Place name	Drilling date	Depth (m)	Drilling flow rate (m <sup>3</sup> /h)	Status
1	Central	Tchamba	Larini	Yeliwa	Kaoude	21/01/2026	65	2,100 <sup>1</sup>	Positive <sup>2</sup>
2	Central	Tchaoudjo	Kparatao	Nigbaoude II	Center	23/01/2026	75	3,600	Positive
3	Central	Tchaoudjo	Kparatao	Kparatao	Center	24/01/2026	110	5,200	Positive
4	Central	Blitta	Pagala - Station	Pagala - Station	Zongo	25/01/2026	95	3,700	Positive

#### 5. Pumping and physico-chemical and microbiological analyses of borehole water:

The pumping of the boreholes took place two (2) weeks after the drilling phase . It occurred from February 10th to 14th, 2026, and consisted of:

- ✓ Measure the drilling flow rate;
- ✓ Determine the variation in its production at different flow rates;
- ✓ Quantify the characteristics of the aquifer, including the permeability coefficient and water storage capacity.

The pumping data is entered in the table below:

**Table 3 – Pumping Results**

Region	Prefecture	Canton	Villages	Place name	Actual flow rate (m <sup>3</sup> )	Static Level (m)	Dynamic Level (m)	Pump installation dimensions (m)
Central	Tchaoudjo	Kparatao	Nigbaouide II	Center	2.32 <sup>3</sup>	43 <sup>4</sup>	3,200 <sup>5</sup>	65 <sup>6</sup>
Central	Tchaoudjo	Kparatao	Kparatao	Center	16.00	64	7,300	75
Central	Tchamba	Larini	Yeliwa	Kaoude	05.83	65	5,700	75
Central	Blitta	Pagala - Station	Pagala - Station	Zongo	6.05	30	14,200	45

At the end of the pumping, water samples were taken for physicochemical and bacteriological analyses at the laboratory of the Regional Directorate of Water and Hydraulics of Kara.

The analyses were carried out from February 11 to 15, 2025.

<sup>1</sup>This is the apparent flow rate. The next step (pumping) will give the actual flow rate of the well. Pumping increases the well's flow rate.

<sup>2</sup>For a borehole to be successful, it must have a depth of at least 40 meters and a flow rate of 0.300 m<sup>3</sup> per hour.

<sup>3</sup>This is the actual flow rate, the one measured after pumping. Here, it increased by 1.1 m<sup>3</sup> (2,100 – 3,200).

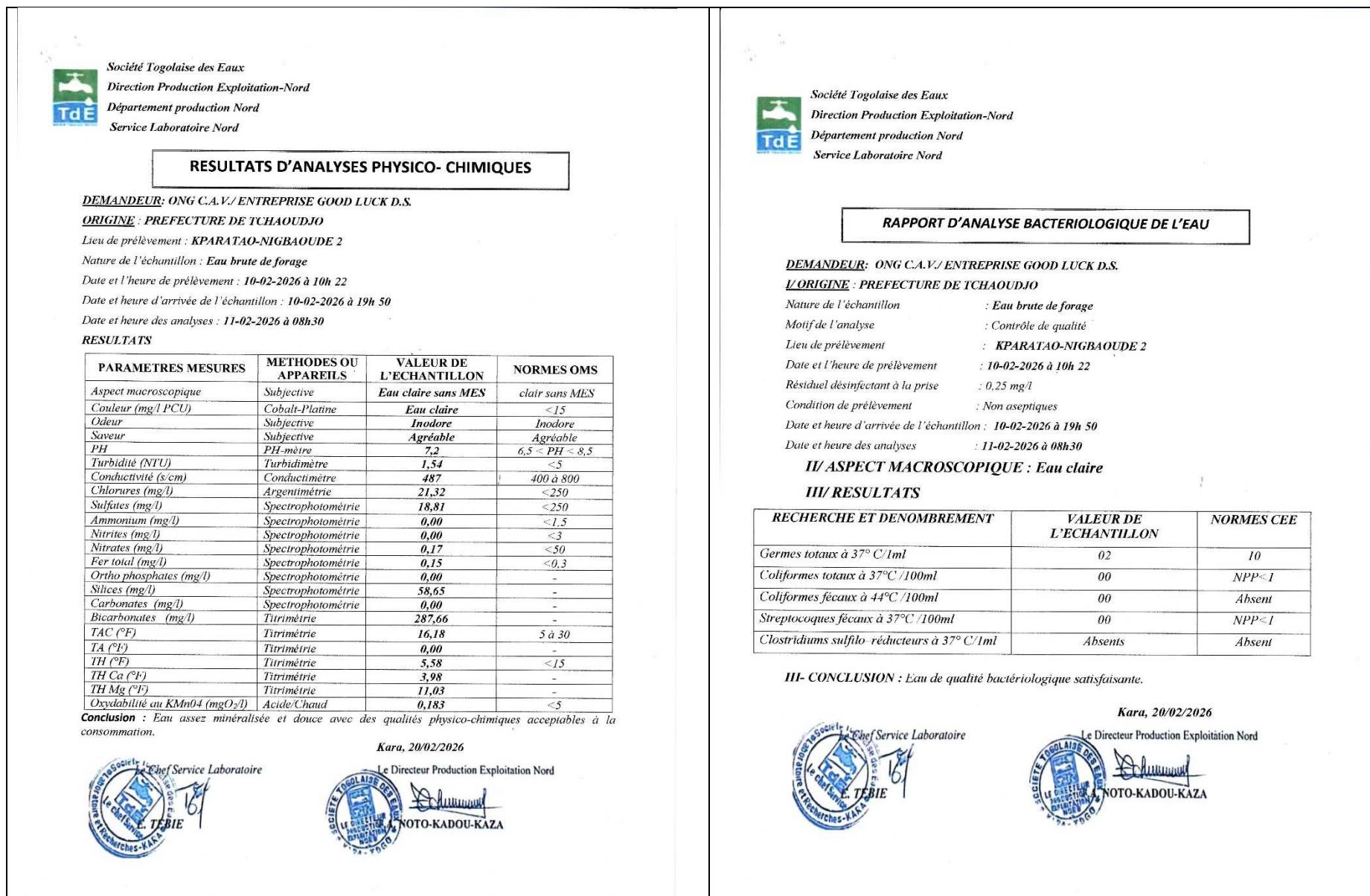
<sup>4</sup>This is the upper level of the borehole water, or the distance at which one begins to see the borehole water.

<sup>5</sup>This is the lowest level of the borehole water, i.e. the level at which the borehole water stops regardless of the duration of pumping.


<sup>6</sup>Since the water level is 70 meters regardless of the duration of pumping, the pump to be installed must therefore be below 70 meters, so 73 meters.

The results of the analyses were deemed satisfactory and fully comply with WHO (World Health Organization) standards. They are contained in the following tables.

**Figure 5 : Results of the physicochemical and bacteriological analyses of the water from the Nigbaoudè II borehole**



**Figure 6 : Results of the physicochemical and bacteriological analyses of the water from the Kparatao borehole**



Société Togolaise des Eaux  
Direction Production Exploitation-Nord  
Département production Nord  
Service Laboratoire Nord

**RESULTATS D'ANALYSES PHYSICO- CHIMIQUES**



**DEMANDEUR:** ONG C.A.V./ ENTREPRISE GOOD LUCK D.S.  
**ORIGINE :** PREFECTURE DE TCHAOUDJO  
**Lieu de prélèvement :** KPARATAO-CENTRE  
**Nature de l'échantillon :** Eau brute de forage  
**Date et l'heure de prélèvement :** 10-02-2026 à 16h 18  
**Date et heure d'arrivée de l'échantillon :** 10-02-2026 à 19h 50  
**Date et heure des analyses :** 11-02-2026 à 08h30


**RESULTATS**

PARAMETRES MESURES	METHODES OU APPAREILS	VALEUR DE L'ECHANTILLON	NORMES OMS
Aspect macroscopique	Subjective	Eau claire sans MES	clair sans MES
Couleur (mg/l PCU)	Cobalt-Platine	Eau claire	<15
Odeur	Subjective	Inodore	Inodore
Saveur	Subjective	Agréable	Agréable
PH	PH mètre	7,1	6,5 < PH < 8,5
Turbidité (NTU)	Turbidimètre	5,2	<5
Conductivité (s/cm)	Conductimètre	271	400 à 800
Chlorures (mg/l)	Argentimétrie	10,65	<250
Sulfates (mg/l)	Spectrophotométrie	3,6	<250
Ammonium (mg/l)	Spectrophotométrie	1,136	<1,5
Nitrites (mg/l)	Spectrophotométrie	0,0096	<3
Nitrates (mg/l)	Spectrophotométrie	0,531	<50
Fer total (mg/l)	Spectrophotométrie	0,12	<0,3
Ortho phosphates (mg/l)	Spectrophotométrie	0,00	-
Silices (mg/l)	Spectrophotométrie	6,55	-
Carbonates (mg/l)	Spectrophotométrie	0,00	-
Bicarbonates (mg/l)	Titrimétrie	224,35	-
TAC (°F)	Titrimétrie	26,15	5 à 30
TA (°F)	Titrimétrie	0,00	-
TH (°F)	Titrimétrie	6,77	<15
TH Ca (°F)	Titrimétrie	5,44	-
TH Mg (°F)	Titrimétrie	1,32	-
Oxydabilité au KMnO4 (mgO2/l)	Acide/Chaud	1,56	<5

**Conclusion :** Eau moyennement minéralisée et très douce avec des qualités physico-chimiques acceptables à la consommation.

**Kara, 20/02/2026**  
Le Directeur Production Exploitation Nord



Société Togolaise des Eaux  
Direction Production Exploitation-Nord  
Département production Nord  
Service Laboratoire Nord

**RAPPORT D'ANALYSE BACTERIOLOGIQUE DE L'EAU**

**DEMANDEUR:** ONG C.A.V./ ENTREPRISE GOOD LUCK D.S.  
**ORIGINE :** PREFECTURE DE TCHAOUDJO  
**Nature de l'échantillon :** Eau brute de forage  
**Motif de l'analyse :** Contrôle de qualité  
**Lieu de prélèvement :** KPARATAO-CENTRE  
**Date et l'heure de prélèvement :** 10-02-2026 à 16h 18  
**Résiduel désinfectant à la prise :** 0,25 mg/l  
**Condition de prélèvement :** Non aseptiques  
**Date et heure d'arrivée de l'échantillon :** 10-02-2026 à 19h 50  
**Date et heure des analyses :** 11-02-2026 à 08h30



**II/ ASPECT MACROSCOPIQUE :** Eau claire

**III/ RESULTATS**

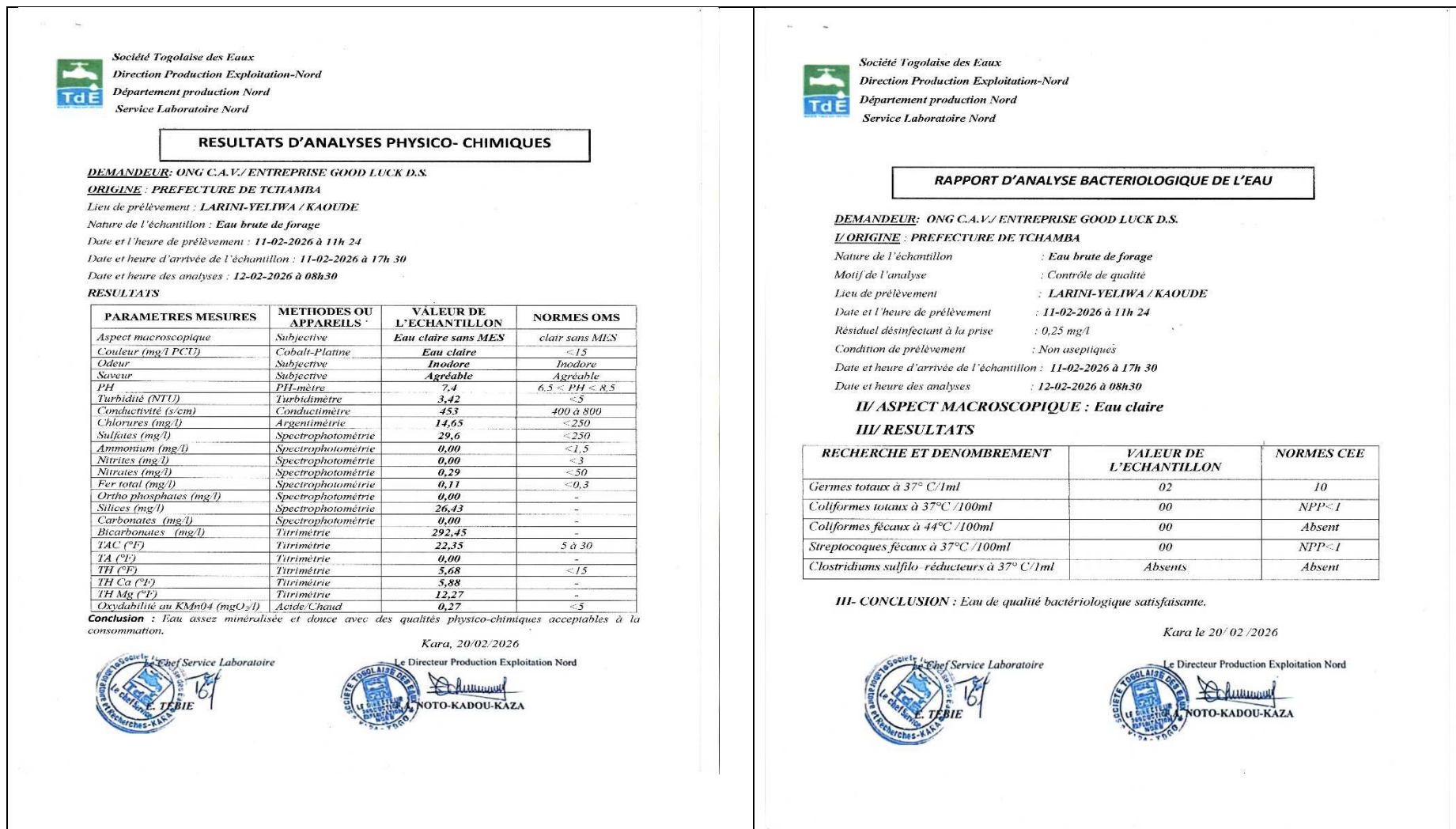
RECHERCHE ET DENOMBREMENT	VALEUR DE L'ECHANTILLON	NORMES CEE
Germes totaux à 37° C/1ml	05	10
Coliformes totaux à 37°C /100ml	00	NPP<1
Coliformes fécaux à 44°C /100ml	00	Absent
Streptocoques fécaux à 37°C /100ml	00	NPP<1
Clostridium sulfilo-réducteurs à 37° C/1ml	Absents	Absent

**III- CONCLUSION :** Eau de qualité bactériologique satisfaisante.

**Kara le 02/02/2026.**

**Figure 7 : Results of the physicochemical and bacteriological analyses of the water from the Yéliwa-Kaoudé borehole**



**Figure 8 : Results of physico-chemical and bacteriological analyses of the water from the Pagala -Gare borehole**

Société Togolaise des Eaux  
Direction Production Exploitation-Nord  
Département production Nord  
Service Laboratoire Nord

**RESULTATS D'ANALYSES PHYSICO- CHIMIQUES**

**DEMANDEUR:** ONG C.A.V./ ENTREPRISE GOOD LUCK D.S.  
**ORIGINE :** PREFECTURE DE BLITTA  
*Lieu de prélèvement :* PAGALA GARE -ZONGO  
*Nature de l'échantillon :* Eau brute de forage  
*Date et l'heure de prélèvement :* 14-02-2026 à 11h 42  
*Date et heure d'arrivée de l'échantillon :* 14-02-2026 à 21h 13  
*Date et heure des analyses :* 15-02-2026 à 08h30

**RESULTATS**

PARAMETRES MESURES	METHODES OU APPAREILS	VALEUR DE L'ECHANTILLON	NORMES OMS
Aspect macroscopique	Subjective	Eau claire sans MES	clair sans MES
Couleur (mg/l PCU)	Cobalt-Platine	Eau claire	<15
Odeur	Subjective	Inodore	Inodore
Saveur	Subjective	Agréable	Agréable
PH	PH-mètre	7,2	6,5 < PH < 8,5
Turbidité (NTU)	Turbidimètre	4,22	<5
Conductivité (s/cm)	Conductimètre	687	400 à 800
Chlorures (mg/l)	Argentimétrie	12,17	<250
Sulfates (mg/l)	Spectrophotométrie	29,31	<250
Ammonium (mg/l)	Spectrophotométrie	0,00	<1,5
Nitrites (mg/l)	Spectrophotométrie	0,00	<3
Nitrates (mg/l)	Spectrophotométrie	0,2	<50
Fer total (mg/l)	Spectrophotométrie	0,11	<0,3
Ortho phosphates (mg/l)	Spectrophotométrie	0,00	-
Silices (mg/l)	Spectrophotométrie	33,39	-
Carbonates (mg/l)	Spectrophotométrie	0,00	-
Bicarbonates (mg/l)	Titrimétrie	277,48	-
TAC (°F)	Titrimétrie	22,35	5 à 30
TA (°F)	Titrimétrie	0,00	-
TH (°F)	Titrimétrie	4,85	<15
TH Ca (°F)	Titrimétrie	4,97	-
TH Mg (°F)	Titrimétrie	13,79	-
Oxydabilité au KMnO4 (mgO2/l)	Acide/Chaud	0,15	<5

**Conclusion :** Eau assez minéralisée et douce avec des qualités physico-chimiques acceptables à la consommation.

Kara, 20/02/2026

Le Chef Service Laboratoire  
 E. TEBIE

Le Directeur Production Exploitation Nord  
 NOTO-KADOU-KAZA

Société Togolaise des Eaux  
Direction Production Exploitation-Nord  
Département production Nord  
Service Laboratoire Nord

**RAPPORT D'ANALYSE BACTERIOLOGIQUE DE L'EAU**

**DEMANDEUR:** ONG C.A.V./ ENTREPRISE GOOD LUCK D.S.  
**ORIGINE :** PREFECTURE DE BLITTA  
*Nature de l'échantillon :* Eau brute de forage  
*Motif de l'analyse :* Contrôle de qualité  
*Lieu de prélèvement :* PAGALA GARE -ZONGO  
*Date et l'heure de prélèvement :* 14-02-2026 à 11h 42  
*Résiduel désinfectant à la prise :* 0,25 mg/l  
*Condition de prélèvement :* Non aseptiques  
*Date et heure d'arrivée de l'échantillon :* 14-02-2026 à 21h 13  
*Date et heure des analyses :* 15-02-2026 à 08h30

**II/ ASPECT MACROSCOPIQUE :** Eau claire

**III/ RESULTATS**

RECHERCHE ET DENOMBREMENT	VALEUR DE L'ECHANTILLON	NORMES CEE
Germes totaux à 37° C/1ml	05	10
Coliformes totaux à 37°C /100ml	00	NPP<1
Coliformes fécaux à 44°C /100ml	00	Absent
Streptocoques fécaux à 37°C /100ml	00	NPP<1
Clostridium sulfilo-réducteurs à 37° C/1ml	Absents	Absent

**III- CONCLUSION :** Eau de qualité bactériologique satisfaisante.

Kara le 20/ 02 /2026

Le Chef Service Laboratoire  
 E. TEBIE

Le Directeur Production Exploitation Nord  
 NOTO-KADOU-KAZA

## 6. Coordination and monitoring of project activities.

Monitoring activities were carried out by the project team. This team consisted of the NGO's Coordinator, Accountant, and Cashier. Site visits were organized to monitor progress during the geophysical surveys, drilling and water pumping operations, and the construction of the N'Tchourou sanitation block . The project team, the companies involved, and the project's technical monitoring officer communicated via telephone, email, and WhatsApp .

## II - NEXT STEPS:

The activities to be carried out from March 1 ·2026 are as follows:

For drilling activities:

- The construction of the superstructures of the 2 human-powered boreholes;
- The construction of the water towers for the 2 photovoltaic boreholes;
- Supply of equipment and installation of mechanical and photovoltaic power systems;
- Support for the establishment of Water Committees, responsible for monitoring and managing boreholes and the latrine management committee;
- Training of Water Committees on the maintenance and sustainable management of structures;
- The technical and provisional acceptance of the works;
- The final acceptance of the works;
- Monitoring and supervision of project activities.

Specifically for the activities of the sanitary block:

- Plastering;
- The installation of the doors;
- The floor tiles;
- The whitewash on the walls;
- The equipment (installation of latrine pots, washbasins);
- Support for the establishment of the Committee, responsible for monitoring and managing latrines;
- Training for the Latrine Management Committee on the maintenance and sustainable management of the facility

Done at Sokodé, on March 2, 2026.

For the NGO CAV, the Coordinator



A handwritten signature in blue ink, appearing to be "Guewe Ousmane".

**GBELE-GUEWE Djobo Ousmane**

**APPENDICES:**

**SOME PHOTOS OF THE ACTIVITIES CARRIED OUT**



**Community awareness-raising in Yéliwa-Kaoudè on January 7, 2025**



**Community awareness-raising in Nigbaoudè II on January 10, 2025**



Geophysical studies at the Yéliwa site on January 12, 2026





**Well drilling at the Pagala -Gare canton site on January 25, 2026**



**Well drilling at the Nigbaoudè village site on January 24, 2026**



**Well drilling at the Kparatao site on January 23, 2026**



**Well drilling at the site of Yéliwa village on January 21, 2026**



**Pumping of the borehole in the village of Nigbaoudè on February 10, 2026 under the supervision of the Regional Director of Water and Hydraulics (in green shirt)**





View of the construction work on the sanitary block in N' Tchourou as of February 15, 2026

