

Water Project in Ebonyi State Nigeria – 2020 Final Report

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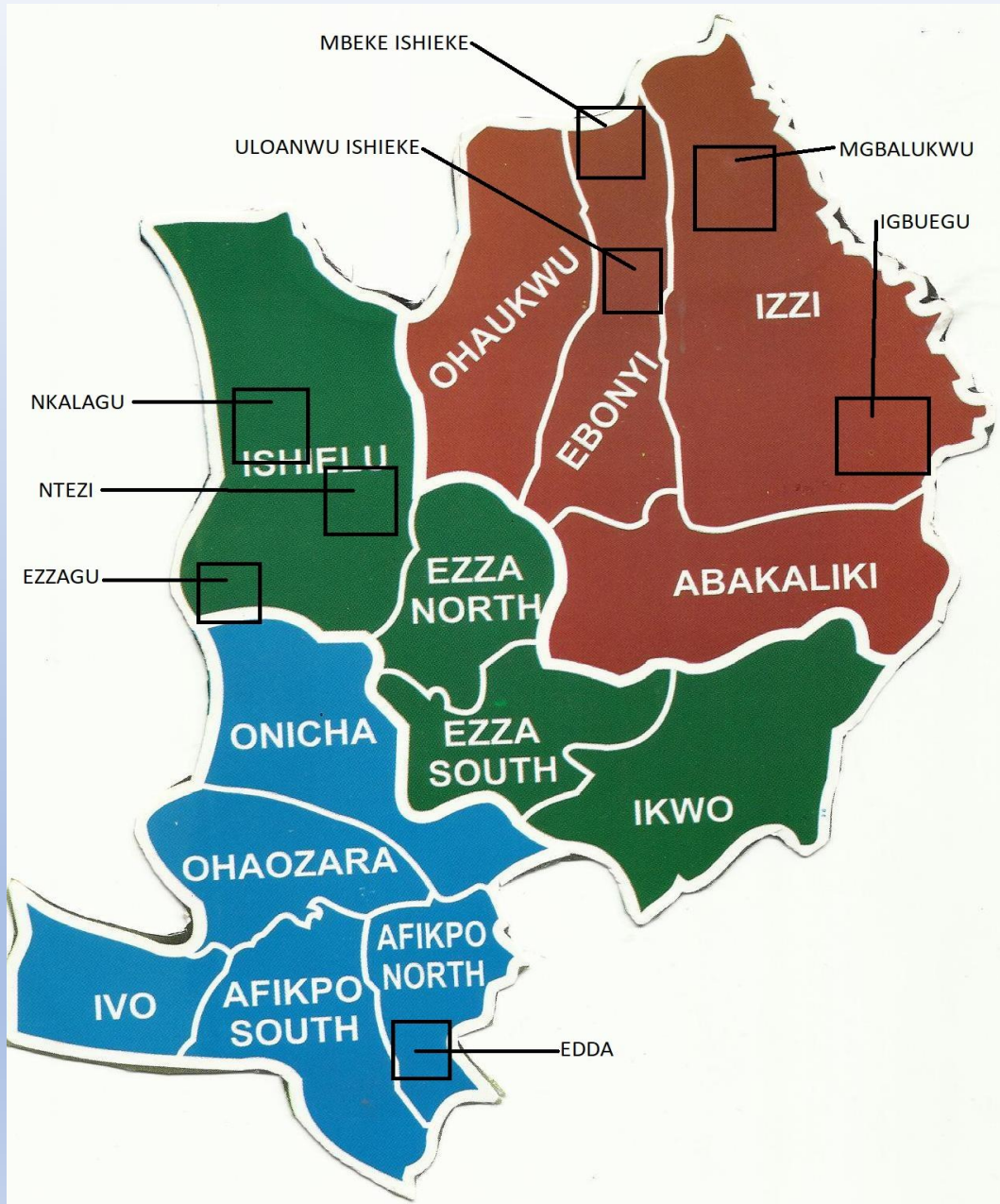
IN COOPERATION WITH
AMURT FOUNDATION



PROJECT ACTIVITIES TIME TABLE & SUMMARY

S/N	VILLAGE/ COMMUNITY	LGA	DATE OF ASSESSMENT	DATE OF SENSITIZATION	GEOPHYSICAL SURVEY	DRILLING	WASHCOM TRAINING	INSTALLATION	DEPTH	DEPTH OF INSTALLED	STATIC WATER LEVEL	COLLECTION OF SAMPLE	DISINFECTION
1	Amanakwa, Amazu	Ishielu	9 September 2019	25 February 2020	4 March 2020	12 March 2020	18/05 & 19/05	19 May 2020	130Ft	100Ft	110Ft	5 August 2020	27 August 2020
2	Ndiagu Ishiagu, Nkalagu	Ishielu	9 September 2019	25 February 2020	4 March 2020	11 March 2020	20/05 & 21/05	21 May 2020	120Ft	80Ft	90Ft	5 August 2020	27 August 2020
3	Onunwankwo 1, nkalagu	Ishielu	9 September 2019	27 February 2020	4 March 2020	24 March 2020	26/05 & 27/05	27 May 2020	130Ft	80Ft	120Ft	5 August 2020	27 August 2020
4	Aguegede, Azuinyaba	Ishielu	9 September 2019	26 February 2020	6 March 2020	14 March 2020	28/05 & 29/05	29 May 2020	115Ft	80Ft	80Ft	6 August 2020	27 August 2020
5	Ndiegu Achi, Ezulu	Ishielu	9 December 2019	27 February 2020	5 March 2020	13 March 2020	22/05 & 25/05	25 May 2020	130Ft	90Ft	120Ft	5 August 2020	27 August 2020
6	Bilode Ulepa, Ntezi	Ishielu	24 March 2020	5 June 2020	24 March 2020	24 March 2020	1/06 & 2/06	2 June 2020	115Ft	80Ft	105Ft	5 August 2020	20 August 2020
7	Udoka Igwebuike Eguhuo, Ezzagu	Ishielu	20 September 2019	28 February 2020	6 March 2020	25 March 2020	3/06 & 4/06	4 June 2020	115Ft	80Ft	100Ft	6 August 2020	27 August 2020
8	Egwudinagu Eguhuo, Ezzagu	Ishielu	20 September 2019	28 February 2020	6 March 2020	25 March 2020	5/06 & 8/6	8 June 2020	150Ft	90Ft	132Ft	6 August 2020	27 August 2020
9	Uhumba Alo Umuezeokeoha, Ntezi	Ishielu	16 September 2019	3 February 2020	5 March 2020	13 March 2020	9/06 & 10/06	10 June 2020	115Ft	80Ft	90Ft	5 August 2020	20 August 2020
10	Uhumba Edeoke, Ndiagu Ezza, Ntezi	Ishielu	16 September 2019	3 February 2020	5 March 2020	14 March 2020	11/06 & 12/06	12 June 2020	115Ft	80Ft	105Ft	5 August 2020	20 August 2020
11	Uhumba Umoke umuezeoka, Ntezi	Ishielu	19 May 2020	21 May 2020	21 May 2020	29 May 2020	11/06 & 12/06	12 June 2020	130Ft	80Ft	115Ft	5 August 2020	20 August 2020
12	Inyurugbada, Mgbalukwu	Izzi	9 October 2019	10 February 2020	3 April 2020	16 April 2020	15/06 & 16/06	16 June 2020	130Ft	90Ft	105Ft	11 August 2020	2 September 2020
13	Ndikpa Ndieze Inyimagu, Mgbalukwu	Izzi	9 October 2019	10 February 2020	3 April 2020	16 April 2020	17/06 & 18/06	18 June 2020	115Ft	90Ft	105Ft	11 August 2020	2 September 2020
14	Ogbodo Ndiebor, Igbeagu	Izzi	16 January 2020	11 February 2020	3 April 2020	16 April 2020	19/06 & 22/06	22 June 2020	150Ft	100Ft	125Ft	11 August 2020	2 September 2020
15	Odarico, Igbeagu	Izzi	16 January 2020	11 February 2020	3 April 2020	16 April 2020	23/06 & 24/06	24 June 2020	130Ft	80Ft	122Ft	11 August 2020	2 September 2020
16	Obegu Nsiegbu, Azuakpa Uwalagbaegwu	Izzi	9 October 2019	12 February 2020	3 April 2020	17 April 2020	25/06 & 26/06	26 June 2020	105Ft	80Ft	95Ft	17 August 2020	1 September 2020
17	Zone 5 Ephuenyim Ishieke	Ebonyi	21 September 2019	12 February 2020	9 March 2020	19 March 2020	29/06 & 30/06	30 June 2020	160Ft	100Ft	155Ft	10 August 2020	1 September 2020
18	Ndiokwase Uloanwu Ishieke	Ebonyi	21 September 2019	13 February 2020	9 March 2020	18 March 2020	1/07 & 2/07	2 July 2020	130Ft	80Ft	110Ft	10 August 2020	31 August 2020
19	Ofia Nwachi Uloanwu ishieke	Ebonyi	21 September 2019	13 February 2020	9 March 2020	18 March 2020	3/07 & 6/07	6 July 2020	105Ft	80Ft	85Ft	10 August 2020	31 August 2020
20	Zone 1 Ephuenyim Ishieke	Ebonyi	21 September 2019	14 February 2020	9 March 2020	18 March 2020	7/07 & 8/07	8 July 2020	130Ft	80Ft	110Ft	10 August 2020	31 August 2020
21	Zone 2 Ephuenyim Ishieke	Ebonyi	21 September 2019	14 February 2020	9 March 2020	18 March 2020	7/07 & 8/07	8 July 2020	105Ft	80Ft	85Ft	10 August 2020	31 August 2020
22	Ozanta Ndiegu Ishieke	Ebonyi	9 October 2019	18 February 2020	20 March 2020	30 March 2020	9/07 & 10/07	10 July 2020	165Ft	90Ft	145Ft	17 August 2020	1 September 2020
23	Ndiagenu NdiogodoAba Ishieke	Ebonyi	22 September 2019	18 February 2020	20 March 2020	28 March 2020	13/07 & 14/07	14 July 2020	115Ft	80Ft	97Ft	10 August 2020	31 August 2020
24	Ndiuruku Ohagelode Ishieke	Ebonyi	22 September 2019	17 February 2020	20 March 2020	27 March 2020	17/07 & 20/07	20 July 2020	130Ft	90Ft	110Ft	17 August 2020	31 August 2020
25	Ndiidenyi Ndiazuachi Ohagelode Ishieke	Ebonyi	22 January 2020	19 February 2020	20 March 2020	27 March 2020	15/07 & 16/07	16 July 2020	105Ft	80Ft	95Ft	17 August 2020	31 August 2020
26	Ndinwaleke Ohagelode Ishieke	Ebonyi	17 February 2020	18 February 2020	30 March 2020	1 April 2020	21/07 & 22/07	22 July 2020	130Ft	90Ft	117Ft	17 August 2020	31 August 2020
27	Ndiudeagha Amangwu Edda	Afikpo South	9 November 2019	24 February 2020	4 March 2020	4 July 2020	23/07 & 24/07	24 July 2020	150Ft	100Ft	145Ft	18 August 2020	28 August 2020
28	Amakabi, Owuttu Edda	Afikpo South	9 November 2019	20 February 2020	4 March 2020	4 July 2020	27/07 & 28/07	28 July 2020	105Ft	80Ft	85Ft	18 August 2020	28 August 2020
29	Ndiuduma Oso Edda	Afikpo South	13 April 2020	13 April 2020	13 April 2020	18 April 2020	31/07 & 3/08	3 August 2020	150Ft	100Ft	130Ft	18 August 2020	28 August 2020
30	Ndiobasi Oso Edda	Afikpo South	13 April 2020	13 April 2020	13 April 2020	18 April 2020	29/07 & 30/07	30 July 2020	115Ft	80Ft	85Ft	18 August 2020	28 August 2020

Water Project in Ebonyi State Host Communities



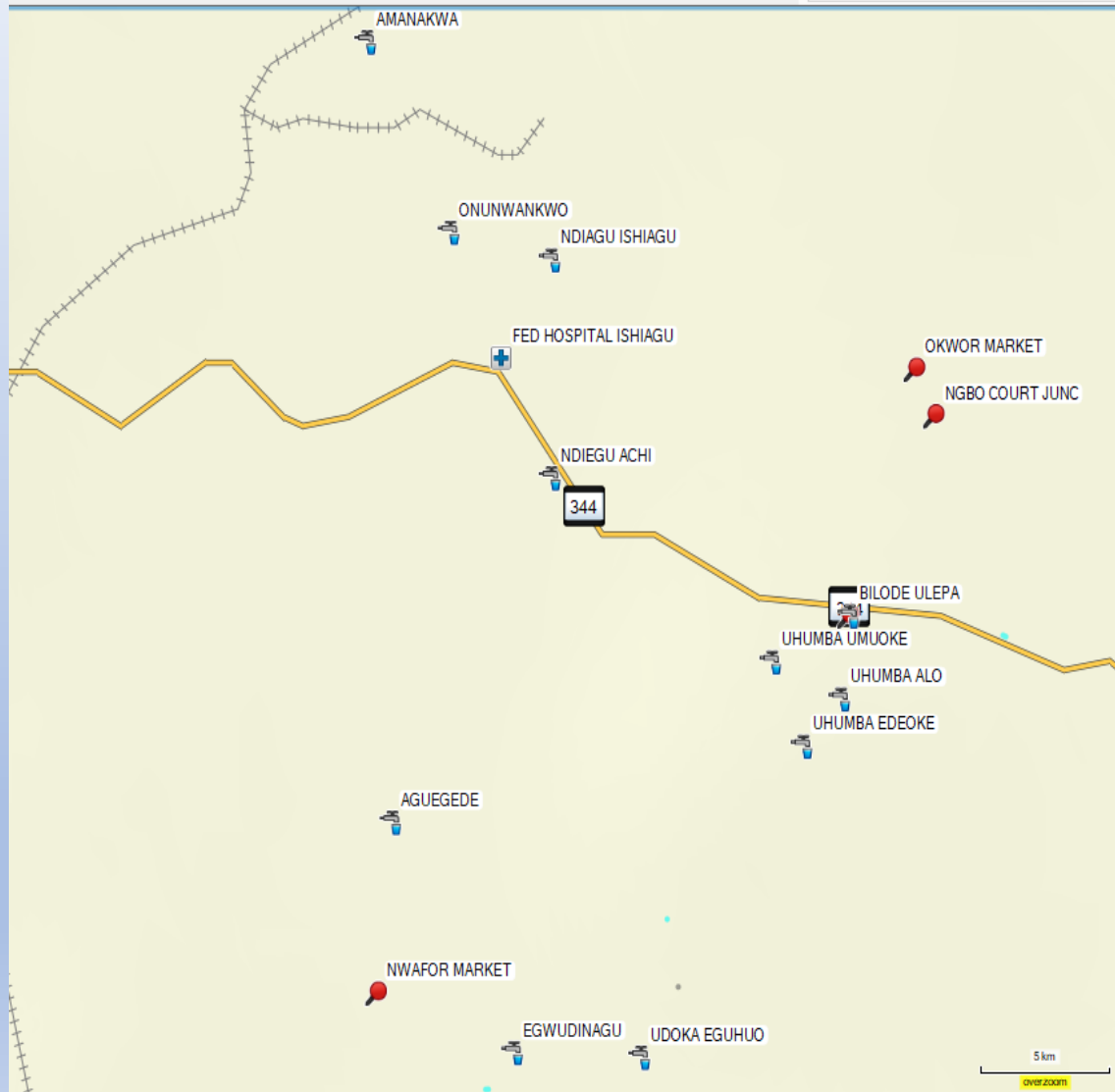
ISHIELU LGA – 11 villages

EBONYI LGA – 10 villages

IZZI LGA – 5 villages

AFIKPO SOUTH LGA – 4 villages

ISHIELU LOCAL GOVERNMENT AREA



1. AMANAKWA, AMAZU
2. ONUNANKWO
3. NDIAGU ISHIAGU
4. NDIAGU ACHI EZIULO
5. BILODE ULEPA NTESI
6. UHUMBA UMUOKE
7. UHUMBA ALO
8. UHUMBA EDEOKE
9. AGUEGEDE AZUINYA
10. UDOKA IGWEBUIKE EZZAGU
11. EGWUDINAGU EZZAGU

AMANAKWA, AMAZU COMMUNITY, ISHIELU LGA



Drilled	12 March	PHOTOS	1	2	3
Installed	19 May	Top	Village sensitization	WASHCOM training	WASHCOM training
Depth	130 feet	Bottom	Platforming	Completion of installation	Rotary visit
Notes:	The first borehole to be installed. Water turbidity not good. Needs flushing. Road to borehole collapsed				



ONUNANWKOR 1, UMUHUALI COMMUNITY, ISHIELU LGA



Drilled	24 March	PHOTOS	1	2	3
Installed	27 May	Top	Village sensitization	WASHCOM training	Drilling
Depth	130 feet	Bottom	Platforming	Completion of installation	Rotary visit
Notes:	The borehole will benefit from flushing to improve turbidity				



NDIAGU ISHIAGU, NKALAGU COMMUNITY, ISHIELU LGA



Drilled	11 March	PHOTOS	1	2	3
Installed	21 May	Top	WASHCOM training	Geophysical survey	Platforming
Depth	120 feet	Bottom	Installing pipes	Tasting first water	Rotary visit
Notes:					



NDIEGU ACHI, EZUILO COMMUNITY, ISHIELU L.G.A.



Drilled	13 March	PHOTOS	1	2	3
Installed	25 May	Top	Village sensitization	WASHCOM election	WASHCOM training
Depth	130 feet	Bottom	Preparing pipes	Rotary visit	Tippy Tap construction
Notes:					



BILODE ULEPA, NTEZI COMMUNITY, ISHIELU LGA



Drilled	24 March	PHOTOS	1	2	3
Installed	27 May	Top	Drilling	WASHCOM training	Platforming
Depth	130 feet	Bottom	Installing connecting rods	Completion of installation	Handing over tool box
Notes:	The village was selected to replace Gioke Obegu village. The village was not accessible due to the collapse of a culvert.				



UHUMBA UMUOKE, UMUEZEOKA, NTEZI, ISHIELU LGA



Drilled	29 May	PHOTOS	1	2	3
Installed	23 June	Top	Drilling	WASHCOM training	Platforming
Depth	130 feet	Bottom	Installing connecting rods	Tasting first water	Completion of installation
Notes:	Uhumba Umoke villages was selected to replace Amoso Edda in Afikpo South LGA. The reason was that we drilled several times in Amoso Edda without finding water. After failing to locate reliable sources in the area we had to leave the place.				



UHUMBA ALO, UMUEZEOKA, NTEZI, ISHIELU LGA



Drilled	13 March	PHOTOS	1	2	3
Installed	10 June	Top	Village sensitization	WASHCOM training	Installing pipes
Depth	115 feet	Bottom	Completion of installation	Handing over tool box	Borehole with signage
Notes:					



UHUMBA EDOKE, NDIAGU EZZA, NTEZI, COMMUNITY, ISHIELU LGA



Drilled	14 March	PHOTOS	1	2	3
Installed	12 June	Top	Village sensitization	WASHCOM training	Installing pipes
Depth	115 feet	Bottom	Tasting first water	Completion of installation	Borehole with signage
Notes:					



AGUEGEDE, AZUINYABA COMMUNITY, ISHIELU LGA



Drilled	14 March	PHOTOS	1	2	3
Installed	29 May	Top	Village sensitization	WASHCOM training	WASHCOM training
Depth	115 feet	Bottom	Installing bolts	Completion of installation	Rotary visit
Notes:					



UDOKA IGWEBUIKE EGUHUO, EZZAGU COMMUNITY, ISHIELU LGA



Drilled	25 March	PHOTOS	1	2	3
Installed	4 June	Top	Village sensitization	Drilling	WASHCOM training
Depth	115 feet	Bottom	Installing pipes	Tasting first water	Completion of installation
Notes:					



EGWUDINAGU EGUHUO, EZZAGU COMMUNITY, ISHIELU LGA



Drilled	25 March	PHOTOS	1	2	3
Installed	8 June	Top	Drilling	Drilling	WASHCOM training
Depth	150 feet	Bottom	Installing pipes	Installing pipes	Completion of installation
Notes:					



EBONYI LGA

ISHIEKE COMMUNITY



1. EPHUENYIM ZONE 1
2. EPHUENYIM ZONE 2
3. EPHUENYIM ZONE 5
4. NDIOKWASE
5. OFFIA NWACHI
6. OZANTA
7. NDIAGENU, NDOGODO
8. NDIDENYI
9. NDIDWALEKE
10. NDIURUKU

EPHUENYIM ZONE 1, ISHIKEKE COMMUNITY, EBONYI LGA



Drilled	18 March	PHOTOS	1	2	3
Installed	8 July	Top	Village sensitization	Drilling	WASHCOM training
Depth	130 feet	Bottom	Installing pipes	Completion of installation	Visit to see security const.
Notes:					



EPHUENYIM ZONE 2, ISHIEKE COMMUNITY, EBONYI LGA



Drilled	18 March	PHOTOS	1	2	3
Installed	8 July	Top	Village sensitization	Night drilling	Installing pipes
Depth	105 feet	Bottom	Installing head assembly	Tasting first water	Completion of installation
Notes:					



EPHUENYIM ZONE 5, ISHIEKE COMMUNITY, EBONYI LGA



Drilled	19 March	PHOTOS	1	2	3
Installed	30 June	Top	Dancing – sensitization day	Drilling	Platforming
Depth	160 feet	Bottom	Installing pipes	Completion of installation	Visit with signage
Notes:					



NDIOKWASE ULOANWU, ISHIEKE COMMUNITY, EBONYI LGA



Drilled	18 March	PHOTOS	1	2	3
Installed	2 July	Top	Village sensitization	Drilling	WASHCOM training
Depth	130 feet	Bottom	Installing pipes	Tasting first water	Completion of installation
Notes:					



OFFIA NWACHI ULOANWU, ISHIEKE COMMUNITY, EBONYI LGA



Drilled	18 March	PHOTOS	1	2	3
Installed	6 July	Top	Village sensitization	Drilling	WASHCOM training
Depth	105 feet	Bottom	Installing pipes	Installing connecting rods	Completion of installation
Notes:					



OZANTA, NDIAGU ISHIEKE COMMUNITY, EBONYI LGA



Drilled	30 March	PHOTOS	1	2	3
Installed	10 July	Top	Village sensitization	WASHCOM training	Platforming
Depth	165 feet	Bottom	Installing pipes	Installing connecting rods	Completing signage
Notes:					



NDIAGENU NDIOGODO, ISHIEKE COMMUNITY, EBONYI LGA



Drilled	28 March	PHOTOS	1	2	3
Installed	14 July	Top	Village sensitization	WASHCOM election	WASHCOM training
Depth	115 feet	Bottom	Installing pipes	Installing pipes	Completion of installation
Notes:					



NDIDENYI NDIAZUACHI, ISHIEKE COMMUNITY, EBONYI LGA



Drilled	27 March	PHOTOS	1	2	3
Installed	16 July	Top	Village sensitization	WASHCOM training	Installing pipes
Depth	105 feet	Bottom	Tasting first water	Completion of installation	Visit with signage
Notes:					



NDINWALEKE OHAGELODE, ISHIEKE COMMUNITY, EBONYI LGA



Drilled	1 April	PHOTOS	1	2	3
Installed	22 July	Top	Drilling	WASHCOM training	WASHCOM training
Depth	130 feet	Bottom	Installing pipes	Completion of installation	Visit with signage
Notes:	Ndinwaleke was selected to replace Obegu Ukoro village. We drilled the borehole and fail. After repeated surveys we could not find reliable source of water and was forced to move the borehole to nearby village.				



NDI URUKU OHAGELODE, ISHIKEKE COMMUNITY, EBONYI LGA

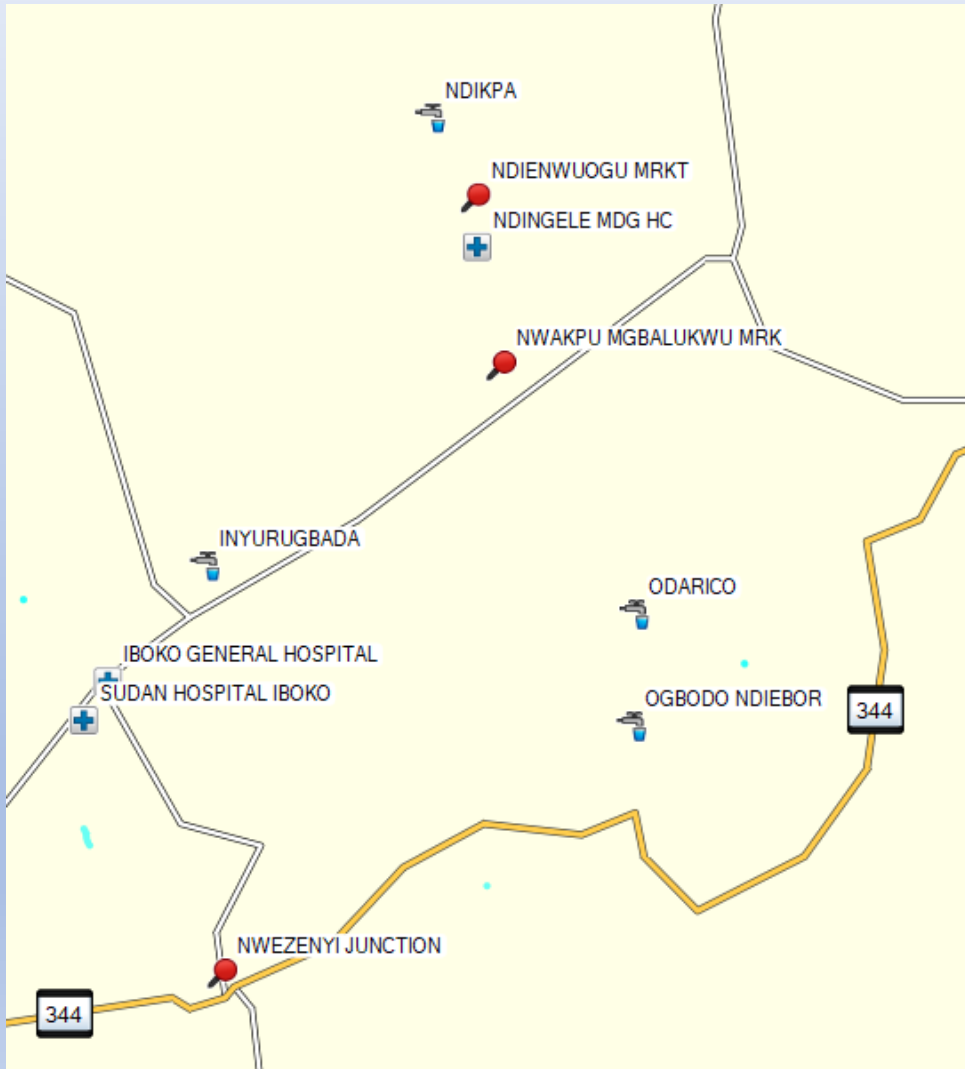


Drilled	27 March	PHOTOS	1	2	3
Installed	20 July	Top	Village sensitization	WASHCOM training	WASHCOM training
Depth	130 feet	Bottom	Installing connecting rods	Completion of installation	Disinfection
Notes:					



IZZI LGA

OBEGU NSIEGBE



1. INYURUGBADA, MGBALUKWU
2. NDIKPA NDIEZE INYEMAGU
3. OGBODO NDIEBOR, IGBEAGU
4. ODARICO, IGBEAGU
5. OBEGU NSIEKPE, AZUAKPU

INYURUGBADA, MGBALUKWU COMMUNITY, IZZI LGA



Drilled	16 April	PHOTOS	1	2	3
Installed	16 June	Top	Village sensitization	Night drilling	WASHCOM training
Depth	130 feet	Bottom	Installing connecting rods	Completion of installation	Tippy Tap construction
Notes:					



NDIKPA NDIEZE, INYIMAGU COMMUNITY, IZZI LGA



Drilled	16 April	PHOTOS	1	2	3
Installed	18 June	Top	Village sensitization	Drilling	Platforming
Depth	115 feet	Bottom	WASHCOM training	Installation of bolts	Tasting first water
Notes:					



OGBODO NDIEBOR, IGBEAGU COMMUNITY, IZZI LGA



Drilled	16 April	PHOTOS	1	2	3
Installed	22 June	Top	Village sensitization	Drilling	WASHCOM training
Depth	150 feet	Bottom	Installing pipes	Completion of installation	Visit with signage
Notes:					



ODARICO, IGBEAGU COMMUNITY, IZZI LGA



Drilled	16 April	PHOTOS	1	2	3
Installed	24 June	Top	Village sensitization	Drilling	WASHCOM training
Depth	130 feet	Bottom	Installing pipes	Completion of installation	Visit with signage
Notes:					



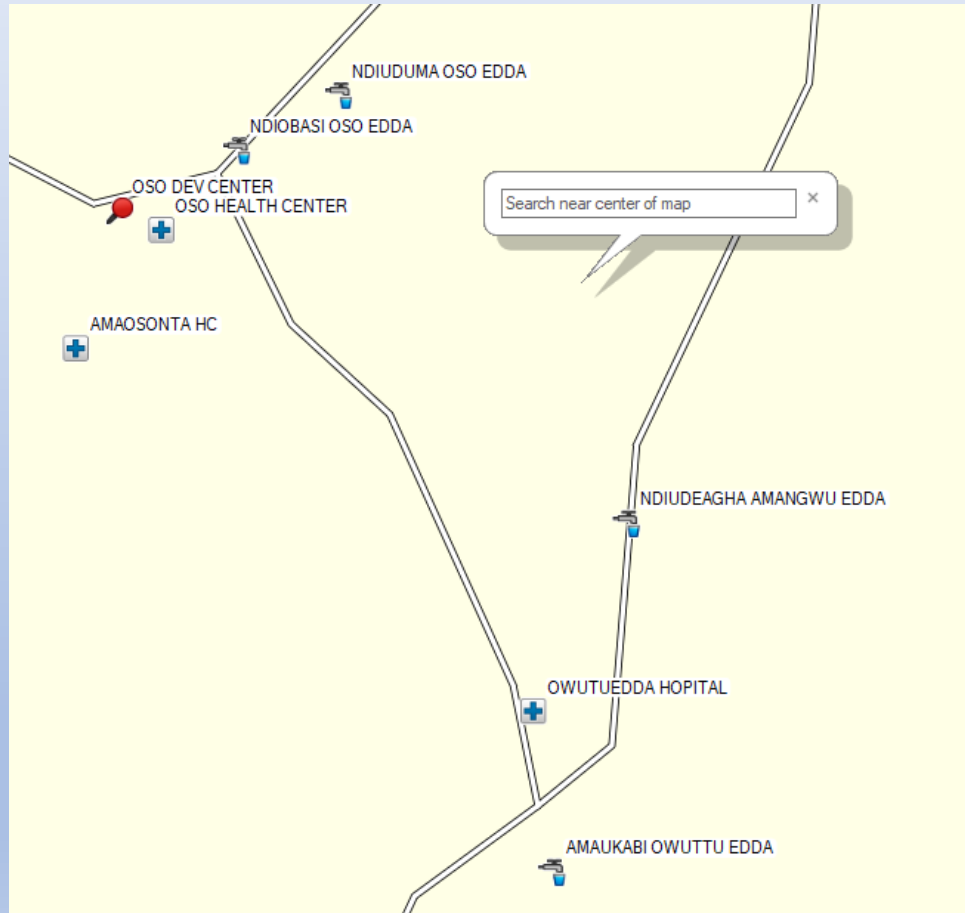
OBEGU NSIEGBE, AZUAKPU COMMUNITY, IZZI LGA



Drilled	17 April	PHOTOS	1	2	3
Installed	26 June	Top	Village sensitization	Drilling	WASHCOM training
Depth	105 feet	Bottom	Installing connecting rods	Completion of installation	Handing over tool box
Notes:					



AFIKPO SOUTH LGA



1. NDIUDEAGHA AMANGWU EDDA
2. AMUKABI OWUTTU EDDA
3. NDIUDUMA OSO EDDA
4. NDIOBASI OSO EDDA

NDIUDEAGHA, AMANGWU EDDA, AFIKPO SOUTH LGA



Drilled	4 July	PHOTOS	1	2	3
Installed	24 July	Top	WASCHOM training	Installing pipes	Installing connecting rods
Depth	150 feet	Bottom	Installing connecting rods	Visit with signage	Handing over tool box
Notes:	The water has high turbidity and will benefit from flushing				



AMAUKABI, OWUTTU EDDA, AFIKPO SOUTH LGA



Drilled	4 July	PHOTOS	1	2	3
Installed	28 July	Top	Village sensitization	Drilling	Platforming
Depth	105 feet	Bottom	WASHCOM training	Installing pipes	Completion of installation
Notes:					



NDI UDUMA, OSO EDDA COMMUNITY, AFIKPO SOUTH LGA



Drilled	18 July	PHOTOS	1	2	3
Installed	3 August	Top	Geophysical survey	Drilling	WASHCOM training
Depth	150 feet	Bottom	WASHCOM training	Installing connecting roes	Completion of installation
Notes:	Ndi Uduma was selected to replace Amagbo EziEdda. We conducted geophysical but could not locate reliable source of water in the village. The water has turbidity and will benefit from flushing.				



NDIOBASI, OSO EDDA COMMUNITY, AFIKPO SOUTH LGA



Drilled	18 April	PHOTOS	1	2	3
Installed	30 July	Top	Drilling	Platforming	WASHCOM training
Depth	115 feet	Bottom	Installing head assembly	Tasting first water	Completion of installation
Notes:	Ndi Obasi was selected to replace Ofueseni Owuttu Edda. The geophysical survey revealed that water was only available at a depth of 350 to 400 feet, which is not feasible for hand pumps.				

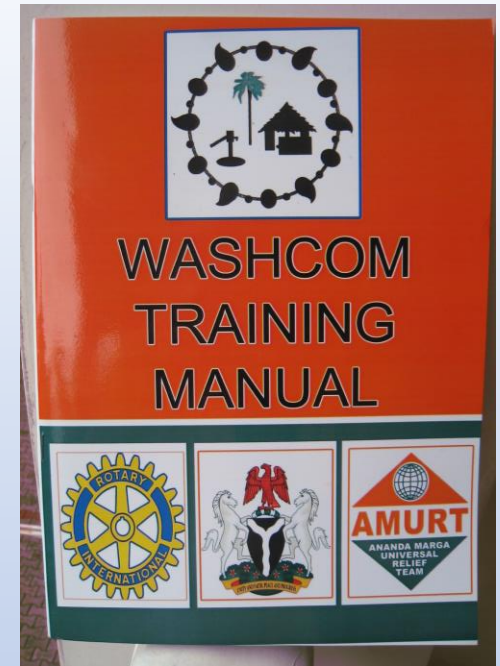


WASHCOM MANUAL

Training manual for Water, Sanitation & Hygiene Committee.
Given to all WASHCOM members.

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TIPPY TAP

A simple tool for to make handwashing easy. Constructed and taught in the WASHCOM training in all the 30 villages.



DISINFECTION OF BOREHOLES

USING CHLORINE FOR DISINFECTION – All 30 boreholes were disinfection with chlorine between 27th August and 2nd September.



SPAREPARTS FOR EACH BOREHOLE

Distributed to all 30 village age between 27th August and 2nd September.



SPARE PARTS FOR VILLAGE TOOLBOX DETAILS

1 Pairs of pump buckets (3)

2 Chain

3 Upper valve

4 Lower valve

5 Axle bolt

6 Bolts and Nuts (4)

7 Sealing ring upper

8 Sealing ring lower

9 Grease

10 Bolt for chain

11 Pair of bearing

Purchase of 10 additional pipes and five cylinders were diverted to cover the cost increase in borehole materials brought on by the Corona virus crisis



LABORATORY WATER QUALITY TEST

Conducted at Enugu State Water Corporation

The water quality test/ analysis were conducted by Enugu State Water Corporation, under the department of Water Analysis Laboratory. Samples of the 30 boreholes were collected between 5th and 18th of August and submitted for analysis in three batches.

RESULT: Some of the samples analyzed indicate challenges which includes; total plate count, total coli form and turbidity. Treatment / disinfection were recommended to address these challenges. Between 27 August and 2nd September all the 30 boreholes were disinfected with chlorine.

Four villages had high turbidity. They are Ndiudeagha Amangwu Edda Afikpo South LGA, Onunwankwo 1 Ishielu LGA, Amanakwa Amazu Ishielu LGA and Ndiuduma OsoEdda Afikpo South LGA. Flushing was recommended. We had originally budgeted for flushing five boreholes. However, due to rise in the cost of borehole materials, as a result of corona virus impact on the economy, we had to cut flushing from our budget. We are looking at alternative funding to complete the flushing of three of these boreholes. The fourth, Amanankwa is currently inaccessible due to collapse of the road



ENUGU STATE WATER CORPORATION					
WATER ANALYSIS LABORATORY					
NAME OF THE SAMPLE: BOREHOLE AT NDIAGENU NDI OGODO ABA ISHIEKE, EBONYI LGA, EBONYI STATE.					
SUBMITTED BY: ANANDA MARGA UNIVERSAL RELIEF TEAM (AMURT). (ROTARY WATER PROJECT 2020.)					
DATES SUBMITTED: 12 TH AUGUST, 2020.					
S/NO	PARAMETERS	UNITS	SAMPLE RESULTS	W.H.O. STANDARDS	NSDWQ STANDARDS
1	TURBIDITY	NTU	4.0	10	5
2	TEMPERATURE	°C	29.0	AMBIENT	AMBIENT
3	pH	-	7.50	6.5 – 8.5	6.5 – 8.5
4	COLOR	Pt.Co	55.0	5 – 25	15
5	ELECTRICAL CONDUCTIVITY	µs/cm	240.0	1000	1000
6	TOTAL DISSOLVED SOLID	mg/L	158.2	500	500
7	TOTAL SUSPENDED SOLID	mg/L	0.02	10	-
8	TOTAL SOLIDS	mg/L	158.22	1000	-
9	CHLORIDE (CL)	mg/L	21.5	250	250
10	CHLORIDE (AS NA CL)	mg/L	35.50	-	-
11	TOTAL HARDNESS	mg/L	200.00	500	150
12	CALCIUM HARDNESS	mg/L	193.00	200	-
13	MAGNESIUM HARDNESS	mg/L	7.0	150	-
14	TOTAL ALKALINITY	mg/L	150.00	500	-
15	SALINITY	mg/L	0.40	-	-
16	IRON (Fe)	mg/L	0.00	0.3	0.3
17	LEAD (Pb)	mg/L	0.017	0.01	0.01
18	SULPHATES (SO ⁴)	mg/L	2.50	200	200
19	NITRATES (NO ³)	mg/L	0.89	10	50
20	MANGANESE (Mn ²⁺)	mg/L	0.026	0.1	0.2
21	CALCIUM ION (Ca ²⁺)	mg/L	77.2	150	-
22	MAGNESIUM ION (Mg ²⁺)	mg/L	2.1	50	20
23	TOTAL PLATE COUNT	cfu/mL	111.0 *	100	-
24	TOTAL COLIFORM	cfu/mL	14.0 *	3.0	10
25	E.COLI	cfu/mL	2.0 *	-ve	0.0

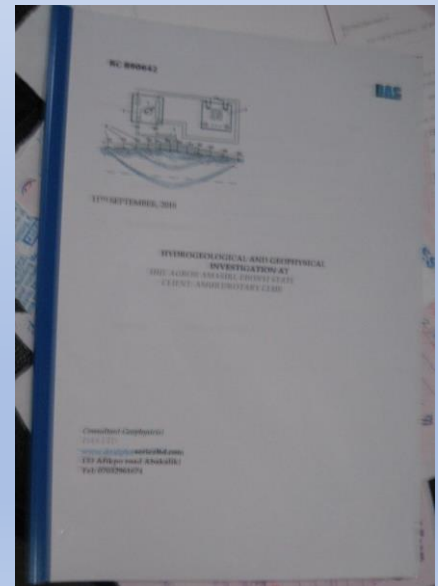
COMMENT

- THE WATER SAMPLE ANALYSIS RESULT INDICATE BACTERIOLOGICAL CHALLENGES (TOTAL PLATE COUNT AND TOTAL COLIFORM).
- TREATMENT AND DISINFECTION MAY BE APPLIED TO IMPROVE WATER QUALITY.

SIGN: 
 OKOLO MICHAEL
 HOD QUALITY CONTROL


GEOPHYSICAL SURVEY

Survey to determine water level and drilling depth



CHANGE OF VILLAGES

Five of the villages originally selected were changed due to lack of access or no water. The new village were selected from applicants after assessment.

S/N	VILLAGE/COMMUNITY	LGA	REPLACED	LGA	REASON(S) FOR REPLACEMENT
1	Gioke Obegu	Ishielu	Bilode Ulepa Ntezi	Ishielu	There was a collapsed culvert to the community which makes the drilling machines unable to access the village after spending more than 24 hours in the area; and the community members were not able to fix alternative access.
2	Amagbo EziEdda	Afikpo South	Ndiuduma Oso Edda	Afikpo South	After conducting geophysical survey in the areas, all the locations proved abortive. This led to the change of the village to Ndiuduma OsoEdda.
3	Ufueseni Owuttu Edda	Afikpo South	Ndiobasi Oso Edda	Afikpo South	Geophysical survey report reveals that the areas cannot be feasible with hand pump boreholes. It stated that one must drill between 350ft to 400ft before getting low yield water
4	Amoso Edda	Afikpo South	Uhumba Umoke, Ntezi	Ishielu	The surveyed point in the area failed after drilling up to 60m. Also, the geophysical survey reveals that the area is not feasible for hand pump borehole(s).
5	Obegu Ukoro, Ohagelode	Ebonyi	Ndinwaleke, Ohagelode	Ebonyi	After drilling about 60m in the area and it was abortive, another geophysical survey was conducted which proved that there is no water in the area.

AMURT WASH TEAM

Ejike Mama: driver & technician, Israel Igwe: assistant & Peter Elem Chukwu: WASH manager



ROTARY CLUB of ABAKALIKI & AMURT WASH TEAM

