

CLEAN WATER REPORT

JULY 2013 UPDATE



INTRODUCTION

The Clean Water Project is an effort to provide potable water to the community of Saltadere, Haiti. This project is a collaborative effort between several groups including:

- The community of Saint Michel in Saltadere, Haiti
- The Bi-Parish Haiti Committee (Saint Thomas Aquinas, Holy Comforter Catholic Church)
- The University of Virginia
- Members of the Greater Charlottesville community



The main beneficiaries of the water project will be the 1000 school children in Saltadere

A DIRE WATER SITUATION



- Haiti has the lowest coverage levels in the Western Hemisphere for both water supply and sanitation.
- Of these “covered” areas with access to water, many depend on systems that are of poor quality or unusable.
- Many other access points are too far for people to reach on foot.

CURRENT WATER SITUATION IN SALTADERE – RAIN

- Seasonal variation in rainfall means the river near Saltadere is consistently low.
- Women walk up to five miles to fill their buckets in the river.
- Those who can afford chlorine tablets use them to purify the water.



TRANSITION AT ST MICHEL

- PERE ILRIC WAS ASSIGNED BY THE BISHOP OF HINCHE TO ST MICHEL IN JANUARY OF 2012 REPLACING PERE BLOT WHO WAS ASSIGNED TO CABESTOR IN THE LOWER PLATEAU
- WE MET WITH PERE ILRIC SHORTLY AFTER HE ARRIVED AND ESTABLISHED THE NEEDS FOR THE CLEAN WATER

RECENT EVENTS

- FATHER ILRIC CLARIFIES THAT THE SALTADERE WATER COMMITTEE IS LOOKING TO OUR GROUP TO CREATE A PLAN TO IMPROVE THE WATER DISTRIBUTION SYSTEM
- THE PROPOSAL COULD THEN BE TAKEN TO THE GOVERNMENT ENTITY DINEPA FOR APPROVAL
- HAVING THE BACKING OF THE ROTARY IN HINCHE IS IMPORTANT
- IN THE MEANTIME, CONTINUE THE SHIPMENT OF SPARE PARTS – AS IDENTIFIED EARLIER AS CRITICAL NEEDS – FOR MINOR, ESSENTIAL REPAIRS TO THE CLEAN WATER SYSTEM



Our Volunteers with Pere Blot and the Bishop of Hincbe

PLANNING ASSISTANCE

- FR. ILRIC HAS ASKED FOR ASSISTANCE IN PLANNING THE WORK AND TELLING THE WATER COMMITTEE WHAT THE OPTIONS ARE
- WE CANNOT DO THE PLAN FOR THEM, BUT WE CAN HELP WITH A STEP BY STEP APPROACH
 1. CREATE AN AGREEMENT TO WORK TOGETHER FOR BROAD GOALS
 2. STUDY THE DETAILED NEEDS OF THE COMMUNITY
 3. PLAN TO ADDRESS THE NEEDS AND ACTION ITEMS FOR BOTH PARTIES
 4. REACH A FINAL AGREEMENT TO MOVE FORWARD
- HE SUGGESTED THAT WE DEVISE TWO PLANS FOR CONSIDERATION TO CONTINUE MOVING FORWARD
- PICTURED AT RIGHT, FR. ILRIC INSPECTS EROSION AND DAMAGE TO WATER PIPELINE MAY-2013





PLAN A

- REPAIR AND MAINTAIN THE PRESENT PIPELINE AND TAP IN ORDER TO CONSERVE WATER LOSSES
- PROVIDE PARTS, SUPPLIES AND TOOLS TO THE WATER COMMITTEE – ENABLING THEM TO MAKE REPAIRS ON THEIR OWN AFTER SOME MINIMAL TRAINING
- PICTURED TO THE LEFT, LOCALS WORK ON REPAIRS TO THE PIPELINE- JANUARY 2013

PLAN A

- FUNDING SHARED BETWEEN OUR COMMITTEE AND COMMUNITY IN HAITI
 - PUBLIC TAP STANDS AND PUBLIC CISTERN REPAIR PARTS ARE URGENTLY NEEDED
 - AN INITIAL BANK OF REPAIR PARTS WILL BE PROVIDED AT NO COST BY THE ST. THOMAS COMMITTEE, AND THE WATER COMMITTEE WILL BE EXPECTED TO COLLECT FEES FOR ADDITIONAL PARTS AND REPAIRS IN THE FUTURE
 - PRIVATE WATER TAPS ARE ANOTHER CONSIDERATION, THAT WILL ALSO BE MAINTAINED AND REPAIRED UNDER PLAN A SUPPORTED BY USER FEES
 - LOGISTICS FOR PROVIDING REPAIR PARTS WAS DISCUSSES, WITH A LIST OF NEEDED VALVES PROPOSED BY PETE BENEDETTO, THIS WAS APPROVED AND A MANUAL CREATED
 - A REPAIR PARTS MANUAL WAS PROVIDED. FR. ILRIC AND THE WATER COMMITTEE WILL BE ADVISED TO ORDER FROM THE MANUAL IF NOT AVAILABLE IN HAITI, WE WILL OBTAIN THEM IN THE US AND SHIP THEM TO SALTADERE
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PLAN A

- GETTING PARTS TO SALTADERE THROUGH VARIOUS AVENUES
 - SHIPPING SEA CONTAINERS FILLED WITH SUPPLIES
 - FLYING IN A BOX OF SMALL PARTS
 - FEW PIECES CAN BE CARRIED BY VISITING MEMBERS
 - DIRECT COMMUNICATION WITH A MEMBER OF THE WATER COMMITTEE, ASSOCIATED WITH ST. MICHEL SCHOOL, WILL BE MADE USING RECENTLY INSTALLED COMPUTERS – HOPEFULLY PROVIDING INFORMATION ABOUT WHICH PARTS ARE MOST URGENTLY NEEDED



Local citizens waiting for water while pipeline is being repaired January 2012

PLAN B

- INCLUDES ALL OF PLAN A
- WILL DRAMATICALLY INCREASE THE WATER SUPPLY IN SALTADERE
- DISCUSSION CENTERS ON THE INSTALLATION OF A NEW 10 INCH DIAMETER WATER PIPELINE
 - THE 4 INCH PIPELINE FROM THE ABRICOT SPRING NEAR CERCA LA SOURCE TO DISTRIBUTION SITE 1 SUPPORTING THE VILLAGES OF TROSEAU/BIASSOU
WILL REMAIN THE SAME WITH NEW VALVES
 - A NEW 10 INCH INTAKE AT THE SPRING HEAD, A NEW PIPELINE WITH NEW OPEN/OFF VALVES, NEW BOXES, AND NEW AIR RELEASE TANKS AS WELL AS NEW A 50K GALLON CISTERN AND TAP STANDS IN SALTADERE
- THE HYDRAULIC GRADIENT WILL BE ESSENTIALLY IDENTICAL BUT NOT FOLLOW THE ROADWAY BUT MORE DIRECT TO DISTRIBUTION SITE 2 AND THE SINGLE CISTERN (9400 YRDS)



The water committee meets with the chair of the St Thomas-Holy Comforter committee Anne Knasel January 2012

PLAN B (CONT)

- THE NEW PIPELINE WILL BE CONSTRUCTED QUADUPLE THE EXISTING CAPACITY AND THE NEW CISTERN 150 FEET ABOVE VILLAGE WILL INSURE INCREASED PRESSURE
- EXPANSION OF PUBLIC TAP STANDS WILL BE POSSIBLE
- FOR PRACTICAL PURPOSES, THE EXPANSION WILL SERVICE A SINGLE SANITATION TREATABLE CISTERN, NEW PRIVATE TAPS, AND PUBLIC TAPS DOUBLE THE CURRENT REACH.
 - THE INSTALLATION OF WATER METERS IN EACH PRIVATE TAP WILL MEASURE THE WATER FOR BILLING PURPOSES (HOW? MECHANICAL METER)
 - USER FEES COLLECTED FROM THE PRIVATE TAPS WILL SUSTAIN THE SYSTEM



Picture of a water tap

FUNDING RAISED SO FAR

HAITI CLEAN WATER FUND

• INCOME	
• ANONYMOUS	\$6000.00
• SISTERS OF ST JOSEPH	\$5000.00
• BATTAGLIA GRANT	\$5000.00
• NOEL CATALOG DONATIONS	\$1000.00
• MISCELLANEOUS DONATION	\$250.00
• TOTAL INCOME	\$17,250.00



Saltadere citizens obtaining water from the Saltadere river. Note clean water pipeline crossing the river at the remains of an old bridge

REPAIR WORK TO DATE

EXPENSES

- WATER LINE REPAIR 12/11/2012 \$500.00
- REPAIRS MAY 2013 \$300.00
- TOTAL EXPENSES \$800.00
- BALANCE IN CLEAN WATER \$16,450.00



MOVING FORWARD

- FR. ILRIC HAS ASKED TO SEEK A GENERAL LETTER OF SOLIDARITY FROM THE HINCHE ROTARY, STATING THAT THEY SEEK HELP FROM US AS US COUNTERPARTS IN ROTARY AND THAT THEY WILL COORDINATE AND SUPPORT THE PROJECT (EITHER A OR B) AS A MEANS TO HELP ALL IN THE SALTADERE COMMUNITY
- A FEW OTHER ASSIGNMENTS WERE MADE, INCLUDING MAPPING DUTIES ASSIGNED TO UVA ENGINEERING STUDENTS



An artesian well provides a water source to the area



The People of Haiti thank
you for viewing this
presentation.

Rural eastern Haiti is dry and barren, there is no
source of water for much of the year.

THANK YOU - MESI ANPIL

