

# TRIP REPORT FOR PANAMA JAN-FEB 2004

## THE THREE QUESTIONS FOR EACH COMMUNITY:

- 1) IS WATER FLOWING?
- 2) IF NOT, WHAT ARE THE PROBLEMS?
- 3) IS THERE ANYTHING WATERLINES NEEDS TO DO?
- 4) WHAT IS THE CURRENT POPULATION FOR EACH COMMUNITY IN PEOPLE (NOT ONLY IN FAMILIES)
- 5) PARTICULARLY ON THE NEW PROJECTS, PLEASE WRITE DOWN THE EXACT DESCRIPTION OF WHERE THESE PROJECTS ARE LOCATED RELATIVE TO NEARBY LANDMARKS--HIGHWAYS, OTHER TOWNS, KNOWN COMMUNITIES, ETC.

THANKS.

VAYAN CON DIOS

## WATER PROJECTS IN MARCIAL MENDOZA'S COMMUNITIES (& KEVIN BINGLEY)

20) VILLAGE: Cerro Maiz, Panama (Chiriqui District) 360 people (a Guaymi Indian community with houses clustered over a 10 square kilometer area). Located 12 miles off the Pan-American Highway, halfway between the cities of David and Santiago. SPONSOR: Wardle Family Foundation and WATERLINES

WATER PROJECT: Water continues to run. Father Robert Cumberland and Steve Peart report in January 2003: "We talked to Emilio, the Presidente, who said that they have plenty of water for the lower houses served by the deposito. Marcial said that the teacher is applying to another organization for water for the school and the approximately 10 upper houses. This year the big religious reunion, served by the aqueducto, was moved to another village. . . The deposito has separated at a corner near the top. Nicholas will examine this and probably take apart the top courses and install rebar that was probably left out."

### 2004 UPDATE BY FR. ROBERT AND RAMON FOR CERRO MAIZ

Additional funding was obtained for the construction of a second toma by UNICEF. Marcial reports that this now provides sufficient drinking water for the community.

21) VILLAGE: Cerro Venado, Panama, Chiriqui (a Guaymi Indian community of 265 people)  
SPONSOR: Wardle Family Foundation and WATERLINES (Cost: \$7800)

WATER PROJECT: During 2002 Peace Corps Volunteer Kevin Bingley and Marcial Mendoza finished the Cerro Venado springbox repair and extension of the line. They purchased \$1,003 worth of materials from Spiegel in May, 2002. In January, 2003 Father Robert and Steve Peart wrote: "We visited the new toma, deposito (for the solar pump) solar system, and the replastered main deposito. It was pumping very well (about one and one half gallons per minute) but because of the location in a low place was pumping only 5 hours which isn't enough. . . We reported to Victor the short period of solar pumping (5 hours per day). Victor said he will evaluate the panels again. He does not believe relocating the panels higher on the hill will help. Five hours may be the optimum. Victor will also check the lift that the pump is rated to pump and calculate friction loss over the run of supply line from pump to deposito. Elevation at the pump is 1070' and deposito is 1215'. Total lift is 145'. . . the pump seems to be rated for this. Esteban's work on the construction of the toma and solar collection tank is very encouraging. . . Kevin accompanied us several days to visit 2 new communities, Cerro Chuzo and Buenos Aires. He is very well prepared, even checking the mud and vegetation in studying the water source. A great asset--technical."

### 2004 UPDATE BY FR. ROBERT AND RAMON FOR CERRO VENADO

Water from the gravity flow system provides plenty of water during several months and is then supplemented with water from the solar system for the remaining five months. Marcial stated he would clean a larger area around the solar panels in an effort to capture more sun. We also spoke with Victor and requested he visit w/ Marcial to evaluate the solar systems.

## Marcial (continued)

30) VILLAGE: Cerro Redondo, 16 houses Chiriqui, Panama

SPONSOR: Wardle Family Foundation, WATERLINES. Completed in late 1996-early 1997. Cost: \$5,000.

WATER PROJECT: WATER PROJECT: Water continues to flow. In January, 2003, Marcial tells Father Robert and Steve Peart that "everything is fine."

### 2004 UPDATE BY FR. ROBERT AND RAMON FOR CERRO REDONDO

Marcial stated that a new water committee has just been formed, but did not have the names of the directors. Technically the water system is working fine and everyone is receiving plenty of water.

33) VILLAGE: Llano Macano, Panama, Chiriqui District, 25 houses

SPONSOR: WATERLINES. \$5,400 via Marcial Mendoza for the benefit of Llano Macano (\$200 of which went to the shallow well of Piedra Pintura.)

WATER PROJECT: Father Robert and Steve Peart write in January, 2003: "The community reports 25 faucets and they are just getting enough water. The community would like to develop some new tomas to increase its existing supply and provide water to another community of 20 to 25 houses (called Changoso) from the existing system. The new deposito is about 8'x7'x6'. This community has not submitted a request form. . . The Llano Macano community had just finished a small Catholic chapel designed like a typical Nobe house but from modern materials. . . they just barely have enough water but never totally lack water."

### 2004 UPDATE BY FR. ROBERT AND RAMON FOR LLANO MACANO

Marcial reports that construction of a new school is underway. At the end of the summer months the water is low, but the community gets by. Changoso - A community about half an hour from Llano Macano will submit a project for funding at a later date. A good spring has been located, which will be included in the study completed by the Ministry of Health.

38) VILLAGE: Cerro Caballo, Chiriqui District, Panama. SPONSOR: WATERLINES

WATER PROJECT: "The community has plenty of water," according to Marcial Mendoza in January 2003.

### 2004 UPDATE BY FR. ROBERT AND RAMON FOR CERRO CABALLO

Marcial reports that the community has plenty of water. He also stated that the community is planning a reforestation project around the spring to include a fence.

43) VILLAGE: Cogle ("Cogle de Corregimiento de Cero Viejo"), Panama. pop. 24 families (110 people) and schoolhouse. SPONSOR: WATERLINES 1999 Completion: Cost \$1,780.

WATER PROJECT: Father Robert and Steve report in January, 2003: "The community reports that they do not have enough water and are requesting some funds to add another springbox nearby to increase the flow. Marcial will forward their request and the estimate. . . We have noticed a trend that communities are looking to develop several sources in order to insure enough water for the original system. It's called 'planning for the future.'" 2004 UPDATE BY FR. ROBERT AND RAMON FOR COGLE

Information for this community remains the same. Marcial will encourage the community to submit their request for additional funding.

Marcial (continued)

50) VILLAGE: Los Santo, (Chiriqui) Panama 23 families

SPONSOR: WATERLINES Marcial Mendoza provided invoices in January, 2001 totaling \$3450

WATER PROJECT: Water continues to flow. Fr. Robert and Steve Peart in 2003: "We talked to their neighbors from Cabuya and they said that Los Santo has plenty of water." 2004 UPDATE BY RAMON AND FR. ROBERT FOR LOS SANTO

Marcial reports that they have plenty of water

61) VILLAGE: Cabuya, Panama (Marcial Mendoza) 250 people SPONSOR: WATERLINES (est. cost @\$5,000)

WATER PROJECT: Father Robert and Steve Peart in January 2003 write: "The springbox by Nicholas is another 'classic.' He really does a good job. We also saw the deposito and a few houses next to the clinic which also receive water. They have plenty of water. We recommended using the excess water (about 3 to 4 gallons a minute) for a small fish pond. The families were very happy with their new aqueducto. . . This is another example of how important Nicholas' role with WATERLINES as a 'technico' is, especially with our new working partnership with Panama's Ministry of Health. WATERLINES should plan funding for Nicholas to have some level of participation in our WATERLINES' projects, either doing in whole or overseeing projects--interpreting Ministry of Health plans and specifications for whoever builds the system. Nicholas is WATERLINES' insurance that the system is built correctly."

2004 UPDATE BY RAMON AND FR. ROBERT FOR CABUYA:

Marcial reports that the community has plenty of water and everything is working good.

67) VILLAGE: Piedra Pintada, Chiriqui, District, Panama SPONSOR: Dotty Stevenson, WATERLINES

WATER PROJECT: Water runs. Father Robert and Steve in 2003, "We visited the community next to the highway above Cerro Venado. The whole (system) looks very good. Our original fear was that they would not keep up payment for the electricity. They pay 75 cents a month and have a lot of water. . . A community member operates the system from 3am to 6am each day. The tank is emptied each day. As to technical problems: there's a possible air lock in the system. Pump can only be run for 25 minutes before float valve shuts off. . . discharge goes from 2 gallons per minute to zero; survey at the springbox is 4 gpm. Need to discuss with Peter Fant the possible air lock problem; Victor will check the pump float valve."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR PIEDRA PINTADA:

The Association is currently paying between \$13-\$18 per month on their electric bill. Water rates are adjusted as needed to accomplish the payment. There is still lots of air in the line, but it doesn't seem to effect water for community. Victor will visit the site to perform any necessary maintenance on the pumps

NEW PROJECT:

83) VILLAGE: 1/2004 UPDATE BY FR. ROBERT AND RAMON

CERRO CHUZO (MARCIAL AND KEVIN BINGLEY) We need information about the status of this project (as well as the potential cost, population to be benefitted, description of the project). Kevin Bingley asked us (on January 6, 2003) if Fr. Robert and Ramon "could pick up the Aqueduct plans for Cerro Chuzo from a Virgilio Miranda (Technico de Saneamiento de Ambiental). He should be reached at the Centro de Salud in Llano Nopo. Supposedly he has the plans for Cerro Chuzo, but after two attempts to send messages to him concerning these plans I've not heard anything in return. Marcial has not wanted to go up there and I have not had a day free to do so either. If they are able to get the plans, can they drop them off with Marcial?"



- ?resident - Roman Jimenez
- President - Moises Carivillo
- tech. - Jaime Carpenters
- tech. - Cristobal Carpenters
- member - Felix Carpenters

After having discussions with all parties involved in this project; Community, Marcial, Nicolas, MINSA, and Kevin, every one came to a understanding on the project. Marcial will coordinate the ordering and delivery of material from Spiegel and will inform Nicolas when they arrive. Once material has arrived, Nicolas will begin the construction of the springbox & tank. The present committee is very proactive and has cleared a road to the spring.

PADRES OF TOLE AND SISTERS OF LLANO NOPO (CONTINUED)

35) VILLAGE: (In Llano Nopo, Panama): Nobe Hogar and Solar Lighting Project for Hospital, Sisters' House, Church, Hospital refrigerator and Hogar. Chiriqui District, Panama

SPONSORS: Charles and Awanda Whitworth, and the Dana Beck Fancher Mission Committee of the First Presbyterian Church, Dunedin, Florida. The total cost for the Guaymi Hogar was \$28,248. In 1999 and 2000 Victor Saldana completed the solar-electric work (the solar refrigerator for vaccines \$1,155, and solar-lighting system in house of sisters, \$2,536). Additional solar-electric work for the Clinic, Hogar and the Church cost \$15,430 (sent in 2000 by the Whitworths through their church directly to Victor Saldana).

PROJECTS: The Nobe Hogar and the Solar Electric Work: Father Robert and Steve Peart write in January, 2003: "The Nobe Hogar (they no longer use the word "Guaymi" in the Comarca) looks in very good condition. We slept here 2 nights and as usual there were people in the dormitories both nights--people who came to the Clinic or who were passing through (4, 6, 8 hour walks to communities close to the Cordillera who arrive in 4-wheel 'taxis' to the bridge at Llano Nopo). Victor checked all the the electric system which works fine. He arranged for the Sisters to get rainwater for the batteries. The Comarca will install 26 solar light systems in the Clinic, doctor's house, school, teachers houses, etc. this 'summer,' so the lighting is being solved by the government. We saw other improvements--7th grade for the first time, etc. Victor and his family visited us in the community on Sunday. He filled the storage batteries and cleaned the terminals. The whole facility is being used greatly by both the people and the Sisters. We need to reaffirm thanks to the donors."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR THE NOBE HOGAR & SOLARELECTRIC

*Please refer to Father Robert's report on the solar project.* The waterline committee, the sisters and Ministry of Health have worked together to successfully replace and install additional waterline. Nicolas will be looking at the possibility of adding a new spring box from an additional source of water to continue providing plenty of water for the ever growing student population, approximately 500 this coming school year. In addition the Sisters are requesting funding for the construction of a longer storage tank, the existing water storage tank overflows every night. The water committee includes members from different communities surrounding Llano Nopo and is organized very well. The approximate 2 mile drive to Llano Nopo from the freeway takes 3 hours long in busy conditions. Allow plenty of time to reach the community.

36) VILLAGE: Alto Cieniga, (12 km from Llano Nopo) Chiriqui District, Panama. 32 families

SPONSOR: Dana Beck Fancher Missions Committee, Dunedin, Florida. Water project completed 1999.

WATER PROJECT: Steve and Fr. Robert write in January, 2003: "There's plenty of water for the community even though it has grown some. The tank leaks; Nicholas repaired it several years ago, but it will need to be replaced some day because of poor construction by another builder. . . WATERLINES will need to prepare for either upgrade costs or rebuilding parts of the existing system. However, with our new proposed relationship with the Ministry of Health and Nicholas being more involved in the future, WATERLINES should be able to limit its exposure in the future."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR ALTO CIENIGA

*The report remains the same as last year. It seems that the water committee has not done a good job of providing or going maintenance. The Sisters will continue to follow-up with the committee!*

37) VILLAGE: Llano Majagua, (3/4 hour walk from Llano Nopo) Chiriqui District, Panama. 18 families (100 people)

SPONSOR: Dana Beck Fancher Mission Committee of First Presbyterian Church, Dunedin, Florida.

WATER PROJECT: Fr. Robert and Steve write in January, 2003: "We were told by two different people who visited the community that there are no problems. However, Nicholas reports that someday the tank may need to be repaired or replaced since it has the same problems as at Alto Cieniga."

Water continues to flow. In January, 2002 Father Robert reports, "No complaints, no problems."

1/1/2003 UPDATE BY FR. ROBERT AND RAMON FOR LLANO MAJAGUA

*The report remains the same for 2004.*

PADRES OF TOLE AND SISTERS OF LLANO NOPO (CONTINUED)

46) VILLAGE: Llano Rey, (near Llano Nopo), Chiriqui, Panama (12 families)

SPONSOR: Dotty Stevenson/ memory of Rev. Art Stevenson. (Expenses in 2000 for Llano Rey & Llano Bonito \$6,009).

WATER PROJECT: In January of 2003, Fr. Robert and Steve report that "water is running very well and three communities are working together on the 'granja' (agricultural project) that is also doing very well."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR LLANO REY

Members of the committee reported that everything is going well with their water system. A letter of appreciation has been submitted to Waterlines.

47) VILLAGE: Llano Bonito (near Llano Nopo, 14 families). Panama.

SPONSOR: Dotty Stevenson, in memory of the Rev. Art Stevenson.

WATER PROJECT: Fr. Robert and Steve note in January, 2003: "Several people reported that the water system is doing very well and that the families from these communities are still in the 'granja' selling chicken, fish, pineapple, and yucca. The aqueducto water is used only for the family's drinking water."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR LLANO ~~Rey~~ Bonito

It has been reported that the water system is doing very well. Excess water is still supplying the granja with fresh water.

56) VILLAGE: Tabasara, (Chiriqui District) Panama

SPONSOR: WATERLINES. Cost: \$3951 Completed in 2000 by community/ Nicholas/Padres at Tole. On March 2, 2001, WATERLINES sent \$323 to the Padres to cover the deficit for expenses outstanding.

WATER PROJECT: Father Robert and Steve write in January, 2002, "The Padres at Tole say the project is ok."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR TABASARA

Outside of occasional breaks in the line, the water system is operating fine and the community has water.

59) VILLAGE: Tijera, Panama (Fr. Iturbe)

SPONSOR: WATERLINES (\$4,324 sent to the Padres at the Tole Mission on March 2, 2001)

WATER PROJECT: In January, 2003, Father Robert and Steve write: "Nicholas reports that the system is working very well."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR Tijera

Nicholas reports that the system is operating very well, but will need to replace older line in the near future. The existing waterlines are about 12 years old. The association has approximately a \$1,000 that has been collected at 50's per month per member. There are approximately 38 members serving 160 people. The community will use its funds to make any repairs.

PADRES OF TOLE AND SISTERS OF LLANO NOPO (CONTINUED)

*begin the house of -*

60) VILLAGE: Cerro Banco, Panama (Fr. Iturbe)

SPONSOR: WATERLINES (\$1,955 sent to the Padres on March 2, 2001)

WATER PROJECT: Water flows. In January, 2003, Father Robert and Steve report: "After delays because of the distance and some difficulties within the community, Nicholas was able to successfully conclude the project which is providing water to the houses. The project there has encouraged other communities nearby to solicit their own aqueducto. Success is a good seller."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR CERRO BANCO

*After resolving the misunderstanding about the property where the spring is located, everything is operating well and the community has plenty of water.*

62) VILLAGE: Llano Palma, Chiriqui District, Panama (Padre Iturbe) 30 families

SPONSOR: WATERLINES (\$4,000 sent to the Padres on September 11, 2002 for phase one to build an aqueduct.)

WATER PROJECT: Steve and Fr. Robert write in 2003: "This project has not been done yet because of the change of pastors in Tole it was put on hold (Father Iturbe has been moved; Father Lain back in charge of projects). Fr. Lain will talk with the Sisters in Llano Nopo who first proposed the project. Nicholas and the people are ready to go and the Fathers have the \$4,000. We talked to Nicholas about this and other communities which request multiple aqueductos. We suggested that each community make separate requests to simplify them, and not raise people's hopes that soon they will have their projects."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR LLANO PALMA

*After meeting with Father Luis Francisco, the Sisters and Nicholas, it was agreed that construction should start as quickly as the roads were passable. The project is expected to be completed between 4-to-6 months.*

PEACE CORPS VOLUNTEER-RELATED PROJECTS (APART FROM KEVIN BINGLEY & MARCIAL)

68) VILLAGE: Alto Rey, Panama (NEW), near San Felix, Chiriqui District 250 SPONSOR: Dotty Stevenson (Cost @3,000) WATER PROJECT: From 2003 report, all is well, and the townspeople are working on an additional source of water as well. Back in March, 2002, Peace Corps Volunteer Christine Son had written: "The original plans included building a complete aqueduct to the 250 people in the community. This included the storage and deposit tanks, and tubes for distribution and also a motor pump to transport the water. After much consideration with community members and other specialists, we decided that due to the high cost involved, plus the technical knowledge and maintenance required to use the motor pump, this would not be feasible at this time. We have decided (instead) to build a concrete tank of about 3000 to 4000 gallons, to collect and store rain water. This would provide for the local school to have accessible water throughout the year. (The excess can be used by the nearby community members during the dry season when the water springs tend to decrease significantly)."

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR ALTO REY

*A water storage tank of 3,000 gallons was successfully constructed.*

75) Village: Cerro Miguel (Panama) New Project with Peace Corps Volunteer, Ryan Gross Steve and Father Robert write in January, 2003: (Fr. Robert: "We discovered Ryan up to his knees in mud as he and men from Cerro Miguel began construction at the springbox. He showed us the plans of the project prepared by the Ministry of Health for the Comarca. He had solicited their approval of the project and they had designed it. We met with the two other volunteers in neighboring communities. We were very impressed by their skill and especially by their commitment to the people with whom they live in their very poor conditions. (Steve): "We were led to this community by two Peace Corps Volunteers, Anna and Claire. Ryan was supervising a worker from the community beginning construction of the toma. Nicholas also accompanied us on this visit and very graciously offered technical assistance to the community worker. This was an important visit as it offered us an opportunity to see first-hand an example of working 'plans and specs' from the Ministry of Health. This is what we may be working with in the future. Clearly someone who knows how to interpret and read blueprints will be needed. Nicholas and PCVs may be able to fill this role. Again we continue to be impressed with the Peace Corps Volunteers and their level of commitment and willingness to live in the communities with their 'nose to the ground.'"

This project involves the construction of a springbox (that will connect to the present system of Quebrada de Loro and feed into the storage tank used by that system). There will be a distribution system that will split off to Cerro Miguel to serve the 34 houses there. The system will be treated by an in-line chlorinator, with one faucet per house. (Ryan hopes to start a 2nd project in Quebrada Loro in February.) Ryan is also looking into the possibility of an SPA (Small Projects Assistance) Grant from the Peace Corps, which apparently gives up to 1,500 per project.

1/1/2004 UPDATE BY FR. ROBERT AND RAMON FOR CERRO MIGUEL

<p>President - Antonio Rodriguez          1. Pres - Miguel Rodriguez          Treasurer - Rogelio Rodriguez          Secretary - Blodemia Pinto          Fiscal - Mauricio Rodriguez</p>	<p>2004 damaged the 4000 gallon storage tank, therefore the community is bypassing the tank and water is flowing directly to the households. A second tank located in Quebrada de Loro Arriba will be utilized to store some water until the damaged tank can be repaired. The community is being supplied with water from 3 Tomas. There are approximately 60 connections between both communities.</p>
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78) Village: El Zapote, Panama. Peace Corps Volunteer Ryan Gross received \$3,300 in February 2003 to provide water for 200 villagers. He also received \$1,500 in SPA money. Waterlines received a grant from the Atkinson Foundation for this project. Ryan writes in July, " We have just completed the storage tank for El Zapote. Yesterday, we connected the spring box to the tank. When we opened the valve, hardly anything came out. I walked up and down the line and couldn't figure out what it was. When I finally concluded that the air must be trapped in the line somewhere, someone else had the bright idea of disconnecting the tube from the tank. Water dribbled out for a minute and then spewed forth the obstruction: a mouse and its nest. The cleared line then ran smooth. The moral of the story is that an engineering degree only goes so far in the jungle." Ryan can be reached at idobrai@yahoo.com or Entrega General, Estafeta de Correos de David, Chiriqui, Republica de Panama.-

1/2004 UPDATE BY FR. ROBERT AND RAMON FOR EL ZAPOTE

<p>resident - Benigno Cubilla          Pres - Felcito          ed. - Avel Montezuma          treasurer - Jose Santos</p>	<p>Approximately 22 homes were being served by the spring tank. Water is abundant in the community 10 months of every year. Nicolas recommended that the community fence and restore the spring area in an effort to bring water all year. This community along with other communities such as Cerro Miguel were designed by the Ministry of Health, which seem to have problems with straight in the tanks and Tomas. In addition, Toma design is like a tank, which holds water unnecessarily.</p>
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## PEACE CORPS VOLUNTEER-RELATED PROJECTS

79) Village: Punta Valiente, Panama. Danny Hurtado is the Peace Corps volunteer here. Danny@yahoo.com Danny received \$3,439 April 3, 2003 for this project from the Atkinson Foundation through Waterlines. In July the Bocas jungle was cleared from the water source to the community—no small feat. The community all volunteered their time and labor as well as hauled all the sand and gravel to the cleared spring. The spring box and storage tank were completed in August and the people have running water for the first time in their history. About \$400 is left over to be used toward the Guacamayo project. Danny got over \$600 to build composting latrines from returned Peace Corps volunteers in Florida as well.

NOTE: For the Guacamayo project, Danny Hurtado will use approximately \$400 left over from Punta Valiente.

### 1/2004 UPDATE BY FR. ROBERT AND RAMON FOR PUNTA VALIENTE

As noted above, the project turned out well and continues to operate and provide water to the community.

Guacamayo - Construction of this project has begun and is anticipated to be completed by April 2004. They will serve approximately 350 people.

80) Village: La Trinidad, Panama. Phil Schlesinger, the Peace Corps Volunteer, received \$2,000 from the Atkinson Foundation through Waterlines last April and \$2,000 from a matching grant from Peace Corps along with the donation of a water pump. The agricultural ministry dug the well in July. It's output is 25 gallons/minute. La Trinidad is a Latino community consisting of 3 small communities of 197 residents with more in the summer. There is an old but deteriorating aqueduct that need replacing. Philjames13@yahoo.com

### 1/2004 UPDATE BY FR. ROBERT AND RAMON FOR LA TRINIDAD - PLEASE GET EXACT LOCATION OF PROJECT.

The project was completed in about October 2003.

Greg will provide a map with the location of this project and all other Peace Corps projects. Greg will also follow-up more on this project and report it directly to David Douglas.

85) Village: Oriente de Risco, Bocas del Toro, Panama sponsored by Ruby Holloway. Peace Corps Volunteer Megan Kirwanmegankirwan@hotmail.com coordinated with PCV Kevin Bingley Kevin Panama@hotmail.com have received \$3,085 for a new aqueduct that will bring water from a spring 750 meters away and a storage tank. Water needs and availability differ with the seasons. The villagers will work within these constraints. The community does not have money to support the project, but 41 people have volunteered to work on the construction. They will support the project financially monthly. This will correct the situation where the same water is used for latrines, washing clothes and bathing resulting in much sickness. The project will serve 349 people.

### 1/2004 UPDATE BY FR. ROBERT AND RAMON FOR ORIENTE DE RISCO

Please refer to my comments in Father Robert's reports.  
Thanks to Waterlines for providing the first "Grain of Sand" to get the project started.



## PEACE CORPS VOLUNTEER-RELATED PROJECTS

La Gloria is a separate community. Waterline funds have gone for the community.  
86) Village: La Galilea (the community of La Gloria) in the Bocas del Toro region of Panama. Sponsors: Ruby Holloway and Danna Larson. Peace Corps Volunteer John Spaulding jkspaulding@yahoo.com has received \$1,513 for this project to improve the aqueduct that now exists bringing water to 12 houses and replacing tubing to 7 houses with larger tubing. This project will serve 356 people.

### 1/2004 UPDATE BY FR. ROBERT AND RAMON FOR LA GALILEA

President - Albeirio Abrego  
V. Pres. - Samuel Abrego  
Secretary - Antonio Abrego  
Treasurer - Morrison Santa  
Board Member - Rosa Quintana

and runs a good system. Community.

Approximately 400 people are being served by this system through approximately 2 miles of pipeline connected to different communities. Members pay \$35¢ per month, which will fund the extension of waterline to the growing community. The committee is well organized John with Peace Corps provides excellent support to the

87) Village - Orema - PCV Chris Burke can be reached atpanamaburke@yahoo.com Waterlines will fund \$3080 of \$6,897. The project will serve 212 people. This project will bring water from a spring that is 80 feet from the first house in the pueblo. This subterranean spring is supplemented by another whose flow is 6 gal/min during the winter. Together they should provide enough water for the whole year. A 4,000 gallon tank will be built. MINSA's role in funding?

### 1/2004 UPDATE BY FR. ROBERT AND RAMON FOR OREMA

Construction for the waterline will begin the latter part of February and should be completed in approximately 3 weeks. The town and the deposits are already designed and construction will begin March 15, 2004. It is anticipated that all work will be completed in approximately 8 weeks. Chris Burke is providing board training, the board is working on roles & responsibilities of the board.  
President - Jose Rodriguez  
V. President - Victoriano  
Treasurer - Ch. lo

88) Village: Tigre Abajo - PCVs Kevin Bingley and Jake McClelland are responsible for this project. Kevin is using \$350 from his Cerro Venado project to build a spring box and restore water for this community. They expect to be done in January or February.

### 1/2004 UPDATE BY FR. ROBERT AND RAMON FOR TIGRE ABAJO

Approximately 200 people are served with this project. Kevin reported that the waterline extension will be completed in March. The \$350 mentioned above was enough to complete the spring box.

THANK YOU, FR. ROBERT AND RAMON, FOR THIS TRIP.

Soni Abajo

1/29/04

Jose Castillo - President  
Virginia Williams - Secretary

This community has approximately 13 connections with approximately 80 people. The community is working on a spring box and replacement of older lines. Waterlines will assist with the extension of waterlines to approximately 15 new homes.

Shawn & Beth, Peace Corps Volunteers are assisting the community with the work, the ministry of health will be donating faucets, valves and wires, which will allow the waterline furling to go further.

Ministry of Health  
Abdó Alvarado - Engineer

Llano Venado

2/1/04

Nicolas and Ramin took the 2 hour hike from Llano Napo to the spring at Llano Venado. Information about the community can be found in the application form received 2/03.

Ceras Cóna

1/27/04

A study is complete but is lacking papers to the spring. They have not formally selected board members.

This information was obtained from Nicolas Arce.