



# Proposed Belize Aquaponics Grow-Bed Project

Subject: Beta Project in Belize to install Aquaponic Grow-Beds in 10 Villages  
Area 10 Committee: Will Carlton, (CTR), Mike Sherwood (FMR), John Pokorny (LMR), John Kazor(LNR), Herman Oosyterwijk (DNR), Elvis Stephans(DMR) & DGE Gerald Robinson  
Date: July 20, 2017



## Background and Needs Assessment

### **Background:**

**Remote Villages Located in Belize with lack of sustainable economic support. Villagers live on sustenance farming in areas with poor farming conditions**

### **Initial Needs Assessment and Potential Solutions**

- Poor agricultural conditions
- 70 to 75 % of water needs are required for agriculture and farming – access to water is poor
- Rural villages lack electricity
- Villages lack economic resources to purchase food – whatever is grown is used to feed village families

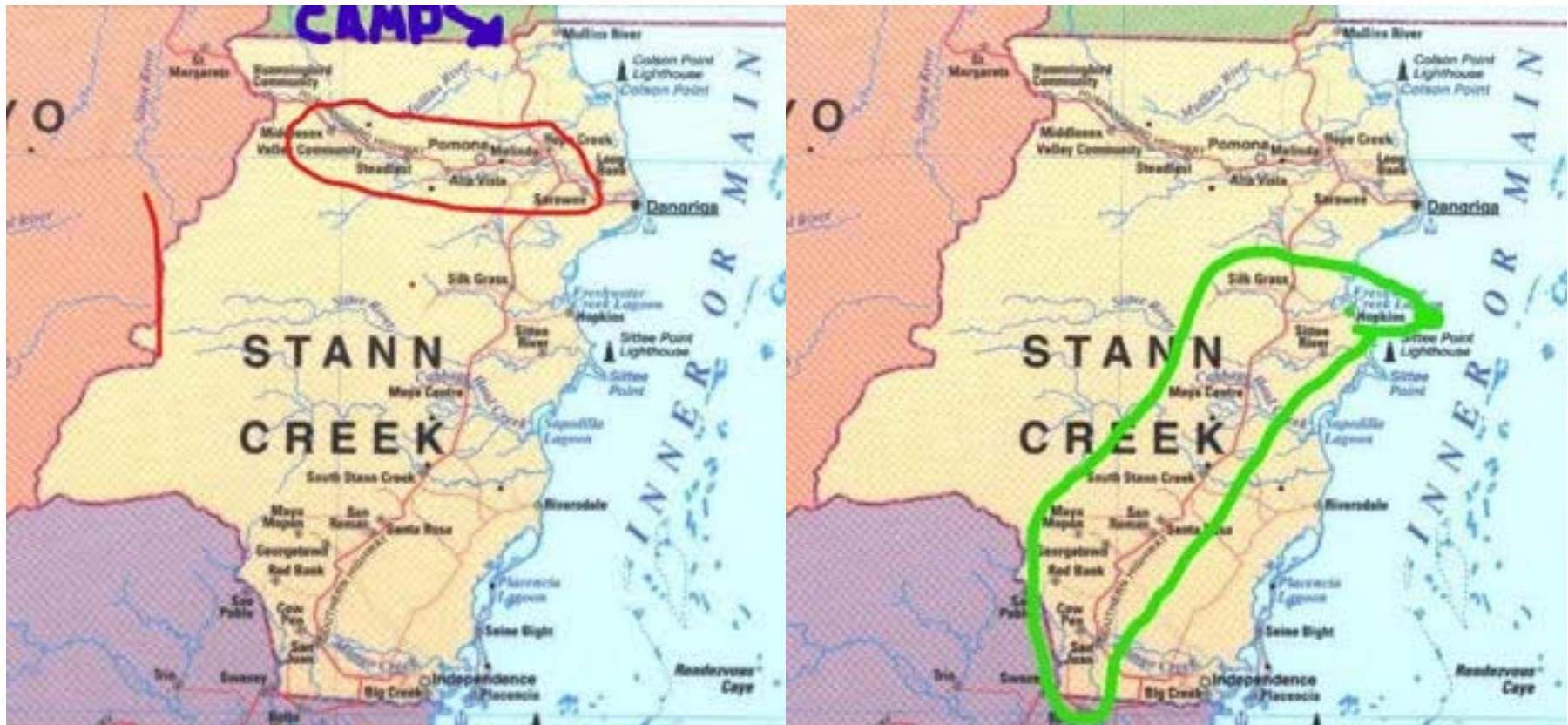
### **Potential Solutions**

- **Installation on Aquaponic Systems**
  - **Closed system that cuts water usage by 80% and uses fish and vegetable farming to support each other**
  - **gardens we are proposing would feed about forty people each and would be managed by villages**
- **Proposing installation of aquaponic systems in 10 Beta site Villages**

# Location



## Location of Village Sites

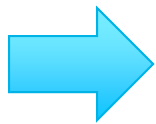


Proposing 2 teams of Rotarians – 5 installations each

# Photo's of other aquaponic projects



Demonstration set-up by a Church in The Colony



## Project Needs

- **\$1,500 per installation**
- **Proposed \$15,000 District Grant Submission**
  - Participating Area 10 Clubs raise a \$12,000
  - Matching District Grant of \$3,000
- **Labor**
  - 12 to 15 Rotary Members
  - 2 teams approx.
  - 3 to 4 days

## Proposed Schedule

- **July 31, 2017 Submit District Grant Application**
  - Application # will be assigned
  - Participating Clubs will go to [MatchingGrants.com](http://MatchingGrants.com) and pledge the amount they wish to provide
- **Sept 19 thru 21 – Identify partner clubs in Belize, perform site visits and confirm needs assessment**
- **September & October secure funds**
  - Participating clubs will be receive pledge payment instructions
- **November & December arrange for materials purchase and shipment. Confirm Rotary member participation and material delivery**
- **Mid Jan 2018 to Early Feb – Teams of Area 10 Rotary members and Rotary members from Belize assemble to install systems and train villagers to operate and maintain**

- Evaluate project 2018
- Based on lessons learned, prepare a global grant to install systems throughout Belize
- Vision
  - April or May 2019 - Destination District Conference at a large resort on the Belize Coast
  - In addition to normal conference agenda, members of our district will have the opportunity for hands on participation in a Global Grant
  - Rotary, making a difference