

Maejanoi, Thailand

- Project: Water Containment and Distribution
- Community Name: Maejanoi
- Location: Mae Hong Son, Northern Thailand
- **Purpose:** Maejanoi needs a system to collect and distribute water year-round. There is currently a water shortage in the dry season.
- Outcome: The community hopes to enhance quality of life by having access to water year-round thus leading to a self sustaining community.

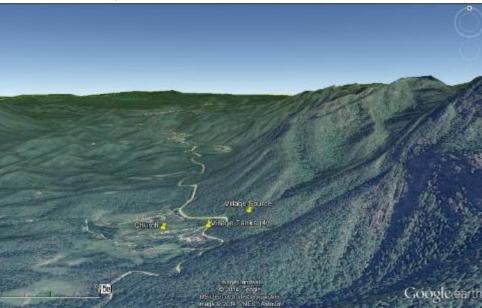
Status

- Assessment trip completed November 2014
- First implementation trip completed March 6-20, 2016 (storage tank)
- Second implementation trip in May 2016 (pump, pipes)
- Future work water purification



Yen Baio Thai Nguyen Kunhing Keng Tung, Myanmar Dien Bien Phu ကွန်ဟိန် ന്റ്രാ uang Namtha Hà Nội (Burma) tp. Son La tp. Hoa Binh Hài Ph Mueang Chiang Rai Naypyidaw เทศษาสนครเชียงราย Thanh Hoa Laos Taungoo Chiang Mai somice ทศบาลนครเรียงใหม Vinh Lamphun Vientiane Hà Tinh Lampang เทคบาดเครดาบาง tp: Dong Yangon Phitsanulok Sakon Nakhon Mawlamvine ពុធិញផ្ เทคบาลนครพิษณไลก Khon Kaen Savanhakhet Kamphaeng Phet Phetchabun Pyapon Maha Sarakham Nakhon Sawan Ubon Ratchathani CHARTTERNA Thailand PLEBLE STEEL Si Sa Ket Pakse Surin Dawè Bangkok approur กรงเทพมหานคร Siem Reap Sisophon ហៀមរាប Ratchaburi សរសោភិណ Pattava เมืองพัทยา Battambang Cambodia Myeik Dhagas Donb

Maejanoi, Thailand



- Northwest Thailand bordering Myanmar
- 950 km from Bangkok
- 236 km from Chiang Mai
- People migrated from mountains and settled in the community
- Population ~200 (Karen Tribe)
- March weather
 - High ~100 F
 - Nights ~70 F
 - Smoky/hazy from forest fires
 - No rain since ~1 week prior to trip

Partnering NGO

Life Encounter Asia Foundation (LEAF)

- Based in Bangkok
- Handles all accommodations & car rental
- Arranges meetings with government officials
- Accompany EWB team
- Translation Services (Karen →
 Thai → English)
- Encouraged Maejanoi to start savings fund for project



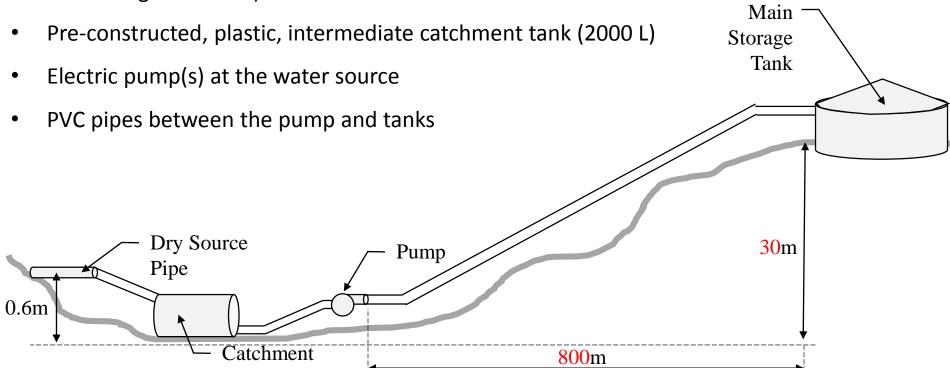


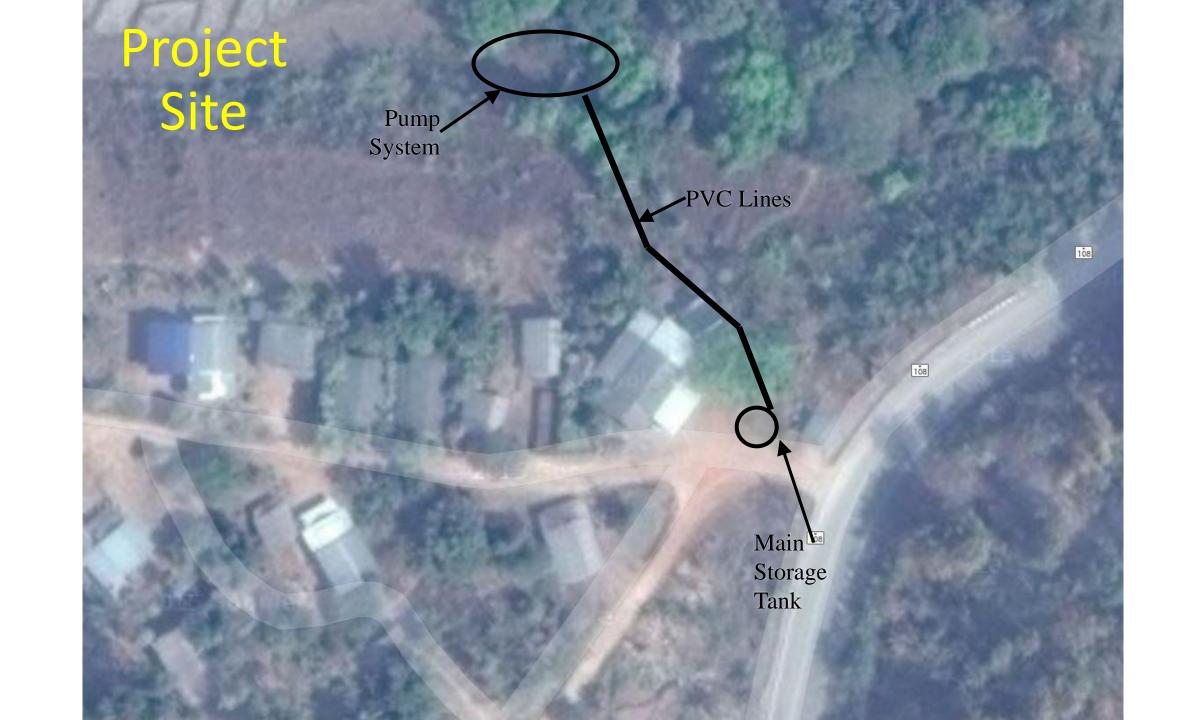
Water Containment Project

- March Trip
 - 40 m³ ferrocement main storage tank at village entrance

Tanks

- May Trip
 - Small catchment tank (cement rings) at dry season water source (downhill from village entrance)

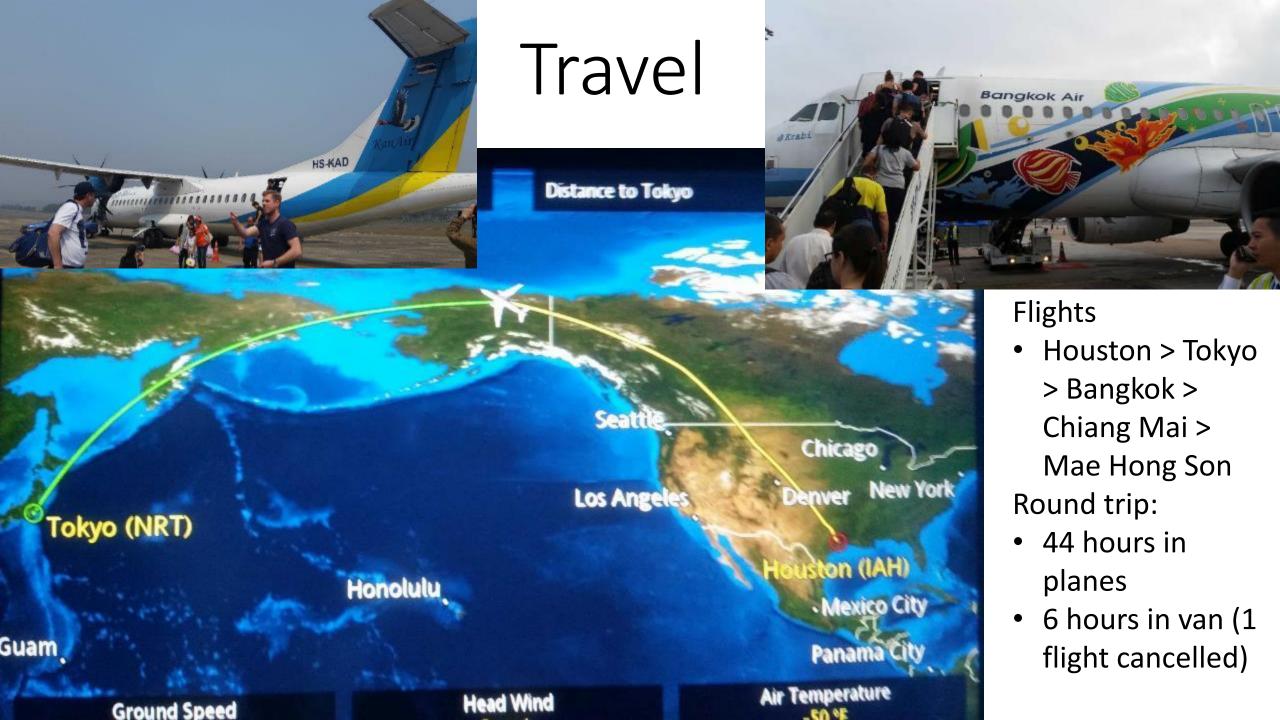




Travel Team

- Tom Bryan, JSC (Cimarron)
 - Chapter treasurer, project co-lead
- Jonathan Koenighain, Bechtel
 - Project co-lead, mechanical engineer
- Camilo Betancourt, Bechtel
 - Mechanical engineer, health/safety officer
- Mai Lee Chang, JSC
 - Education & PMEL lead, health/safety officer
- Anne Baghdanov, Bechtel
 - Civil engineer
- Miguel Segura Moreno, Bechtel
 - Civil engineer, tank design lead
- Joel Castaneda, JSC
 - Photographer











Base Slab

Tank stats

- 40,000 liter capacity
- 5m diameter
- 2m height
- 1.2 tons rebar

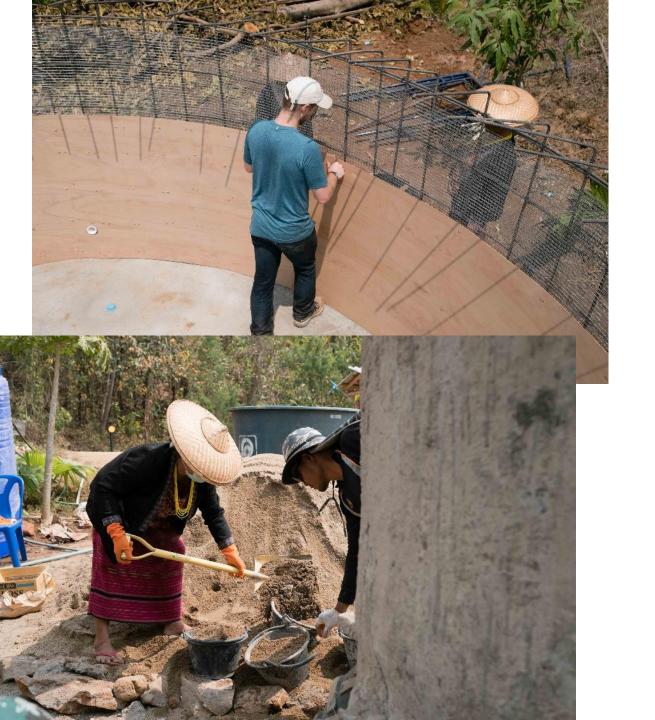














































Completed Tank







Dry Season Source





Elevation Measurements







Hardware Stores





Interested in getting involved?

- Regular project meetings every other Saturday from 10am-noon at Park Place Library
 - Next meeting April 16
- Will begin plans for water purification soon
- Other needs
 - Fundraising
 - Operations & maintenance manuals
 - Research pipe repair, organic farming



