

October 2018 AS WRRC Meeting Notes  
By: Kelley Anderson Tagarino

Stakeholder needs/input:

**American Samoa Environmental Protection Agency (AS EPA)**

From Aioletuna Sunia - [aioletuna.sunia@epa.as.gov](mailto:aioletuna.sunia@epa.as.gov)

1. Need assistance with lab personnel training, especially with regards to their nutrient analyzer (Tuna can provide details on make/model of machine).
2. Want to conduct pesticide testing in streams, especially for Round Up. (Henrietta was interested in this research)
3. Interested in conducting some lead testing. Roger seemed familiar with equipment needs for these areas. After discussion, AS may not have any indication of a lead problem – may want to reconfirm interest in lead testing with AS EPA.

*Note – no leadership from AS EPA was present*

**American Samoa Power Authority (ASPA)**

From Will Spitzenberg - [williams@aspower.com](mailto:williams@aspower.com)

1. Need assistance with groundwater modeling, especially with respect to sea level rise impacts.
2. Interested in additional guidance on geothermal – Nichol said our exploratory drill wells may have been too shallow (should have been at least 3000ft, ours were 2100ft)
3. Need advice on how to convert OSDS to more sustainable systems, Roger's research may be helpful in this.

*Note – Niels was suggested as a good asset for ASPA for prospecting for impounded water reservoirs, I can coordinate a conference call for ASPA with Niels if there is interest*

**National Park of American Samoa (NPSA)**

From Eric Brown [eric.brown@nps.gov](mailto:eric.brown@nps.gov) (Note – Eric has only been with NPSA for 2 days as of this meeting!)

1. Interested in having a socio-economic study related to reefs and how they are used in Fagasa and Vatia. (We shared that this has been done, to some extent, by Dr. Arielle Levine; Eric will look up her work and decide if further research is needed.)
2. Want to get a better handle on the carbonate chemistry by conducting a monitoring study on reefs seasonally to better inform pH studies in NPSA marine waters.
3. Studies on nutrient loading from submarine groundwater discharge.
4. Wants to see weather station data centralized, and water data in general. (Note – I shared that this came up in various forms during meetings in AS with Earl. Earl wants to create a portal for all WRRC programs to make research findings more useful across programs. Perhaps we could start this for HI's WRRC with organizing AS weather station data?)

### **Coral Reef Conservation Program (CRCP)**

From: Hideyo Hattori - [hideyo.hattori@noaa.gov](mailto:hideyo.hattori@noaa.gov)

1. Additional guidance/research on: sediment loading on reefs/watersheds, pollution (from contaminants in sediment, and otherwise) on reefs, and climate change adaptation on reefs.

### **Coral Reef Advisory Group (CRAG)**

From Sabrina Woofter (CRAG Coordinator) - [sabrina.woofter@crag.as](mailto:sabrina.woofter@crag.as)

1. Groundwater best management practices guidance to help inform watershed management plans.

From Diane (Fa'asalafa) Kitona (Watershed Coordinator) -

[faasalafa.kitona@crag.as](mailto:faasalafa.kitona@crag.as)

1. Need help in how to make village watershed plans feasible so that villages can take leadership of implementing the plans.
2. Interested in Veronica's algae study and maybe incorporating this into her watershed work.
3. Wants to focus on priority watersheds and close gaps there before expanding to other watersheds.

### **American Samoa Community College (ASCC)**

From Mark Schamedick (Entomologist and Research Coordinator for Land Grant) -

[markschmaedick@earthlink.net](mailto:markschmaedick@earthlink.net)

1. Need to ensure AS has a better (more relevant) selection of pesticides
2. Land Grant has a drone for mapping invasive species, can be used for other purposes too.