

Standard Operating Procedure #11

Water Quality Sampling

Version 1.0 (November 7, 2018)

Change History

New Version #	Revision Date	Author	Changes Made	Reasons for Change	Previous Version #

Only changes in this specific SOP will be logged here. Version numbers increase incrementally by hundredths (e.g., version 1.01, version 1.02) for minor changes. Major revisions should be designated with the next whole number (e.g., version 2.0, 3.0, 4.0). Record the previous version number, date of revision, author of the revision, changes made, and reason for the change along with the new version number.

Purpose

This SOP describes the steps required to prepare for water quality sampling as part of the Pacific Island Network (PACN) Anchialine Pool Monitoring Protocol.

Overview

Water quality preparation, measurement, and sampling will be conducted in accordance with standard practices used in the [PACN Water Quality Monitoring Protocol](#) Jones (2011). However, because anchialine pool animal sampling is done at high tide, and standard water quality sampling is done at low tide, both high tide and low tide water samples and sonde measurements should be taken. Thus, pools sampled at high tide for water quality during annual anchialine pool sampling must be resampled at low tide within 24 hrs. Pools that dry at low tide can only be characterized by high tide conditions.

Tide stage will be recorded on datasheets and in databases. Water quality data collected for the anchialine pool protocol will be recorded in the water quality database. Refer to the water quality protocol for standard procedures relating to sonde calibration, sonde use, water sampling, data entry, verification, and certification.