

Standard Operating Procedure (SOP) #9

Post Dive Procedures and Equipment Maintenance

Version 1.02 (June 2, 2022)

Change History

New Version #	Revision Date	Author	Changes Made	Reasons for Change	Previous Version #
1.01	7/15/2021	Kelly Kozar	Minor updates to content.	To reflect current handling of datasheets.	1.0
1.02	6/2/2022	Kim Weisenborn	Updated content to refer to new PACN I&M SharePoint. Updated footnote.	PACN data is no longer stored on a networked server (I:\ drive) and is now stored on the PACN I&M SharePoint site.	1.01

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 covers post dive equipment maintenance for SCUBA gear and associated equipment.

Post-Dive Instructions for Equipment Cleaning and Maintenance

Step by step procedures:

1. Following each field day, all equipment must be rinsed with freshwater. Seawater left on the equipment for an extended period of time will reduce the operational life of the equipment. For reference, a SCUBA equipment list can be found in Appendix SOP 1.a. of SOP #1 Before the Field Season.
2. Ensure that electronic gear and other sensitive equipment such as regulators get rinsed quickly to reduce damage from salt crystallization.

3. Rinse all SCUBA gear including the inner bladder of the buoyancy compensators devices (BCD). The more that buoyancy is manipulated underwater the more seawater can enter a BCD.
4. Rinse the boat (if removed from the water), trailer, and vehicle. Apply WD-40® or other lubricant such as Corrosion Block® to moving parts on the trailer (e.g., winch) and boat engine. Rinse the engine and use a motor flusher attachment (rabbit ears) for the internal parts.
5. Rinse each datasheet with fresh water and then dry them by hanging sheets with clothes pins overnight in a secure area.
6. Rinse all other gear used each day.
7. Once dry, all equipment should be stored until needed again. If this is the final dive of the season, see SOP #20 After the Field Season for additional steps required when storing equipment.

Complete Dive Log

Each diver must log dive information as required NPS Reference Manual 4 - Diving Safety and Operations Manual (RM-4)¹ and submit the log to the Park Dive Officer at the end of each calendar year.

Post-Dive Instructions for Handling Datasheets

Step by step procedures:

1. Once datasheets are dry, photocopy all datasheets and store in a labeled three ring binder showing year and type of data, preferably in a metal fire-proof filing cabinet.
2. Scan all datasheets and upload to appropriate park folder in the “[Datasheets](#)” folder in the [Marine Fish Monitoring project workspace](#) on SharePoint.
3. Archive original data sheets according to SOP #10 Workspace Setup and Project Records Management guidelines.

¹ NPS Reference Manual 4 - Diving Safety and Operations Manual (RM-4), https://www.nps.gov/policy/DOrders/RM-4_6-2014.pdf (accessed 2 June 2022).