

SEDIMENT TRAP MAPPING AND DESIGN INTERN

We are seeking a promising and self-motivated Sediment Trap Mapping and Design Intern to support the long-term growth and success of Conservation International's work in the Asia-Pacific Field Division for a period of 3-6 months. The intern will have the opportunity to work alongside Conservation International's team in New Caledonia to support the sustainable management of natural seascapes through a ridge-to-reef approach by performing literature reviews and conducting monitoring and evaluation activities on sediment trap designs.

The Conservation International University Internship Program is open to undergraduate students in local universities reading Geography, Life Sciences, Environmental Studies, or related fields.

About Conservation International

Conservation International works to spotlight and secure the critical benefits that nature provides to humanity. Since our inception in 1987, we've helped to protect more than 6 million square kilometers of land and sea across more than 70 countries. Currently with offices in 29 countries and 2,000 partners worldwide, our reach is truly global. Building upon a strong foundation of science, partnership, and field demonstration, Conservation International empowers societies to responsibly and sustainably care for nature, our global biodiversity, for the well-being of humanity.

In Singapore, Conservation International envisions a vibrant, resilient and sustainable city for generations to come and aims to empower the community to protect nature through individual and collective action. Conservation International Singapore's country program is focused on community engagement and education, capacity building through student internships, and exploring and supporting innovative solutions for conservation science and research.

Conservation International Values

We expect that all employees will embrace the values of our organization:

- **Passion:** Inspired by people and by nature, we are urgently compelled to drive change for a sustainable future.
- **Integrity:** We are honest, transparent and accountable for our actions.
- **Teamwork:** We work together as one CI, recognizing that inclusion, collaboration and cooperation are fundamental to achieving a healthy and prosperous world for all.
- **Respect:** We respect each other and work to earn trust, valuing our diversity of cultures, talents, and experiences.
- **Courage:** We pursue our vision, taking bold action, persevering and overcoming challenges.
- **Optimism:** We are optimistic about the capacity of people to be caring, generous and brilliant, and believe that with partners, we can inspire humanity to create a better future.

Location

Singapore (remote-working)

Must have stable and secure internet access for work.

About the Project

New Caledonia boasts one of the world's largest lagoons (24,000 km²) hosting 1,700 fish species, circled by the second longest coral reef at 1,600 km with over 450 coral species and 60% of it is listed as a World Heritage site. It is also the world's smallest biodiversity hotspot with the highest density of endemic species.

The coral reef (especially fringing reef), seagrass beds and mangroves are declining, mainly because of land-based erosion and over-siltation, uncontrolled bushfires, introduction of invasive species and nickel mining. A quarter of a million people in New Caledonia depend on healthy ecosystems for their survival and livelihoods. In order to restore these critical ecosystems and the benefits they bring to local communities, siltation processes must be mitigated. Beyond terrestrial efforts Conservation International seeks to develop sediment traps in estuaries, while expanding mangrove areas.

About the Role

Working with the Marine Officer and CI's team in New Caledonia, the intern will provide support in the following areas:

- Performing literature reviews on sediment trap design as well as monitoring and evaluation activities for coastal areas.
- Develop a feasibility study or design that involves two sediment traps at different sites.
- Scope the potential for sediment traps across the territory.

Qualifications

- Current enrolment in a Singapore university (or gap year), reading an undergraduate degree in Geography, Life Sciences, Environmental Studies, or related fields
- Proficiency in spatial analysis, mapping, and the use of remote sensing and associated software (e.g. ArcGIS, QGIS, Google Earth Engine).

Desirable Qualities

- Independent thinker and worker
- Interest in adaptive ecosystem and land management

Benefits

The intern will be provided with a monthly stipend of SGD 1,000 for a 5-day work week.

Application

To be considered for this internship, please apply to singapore@conservation.org with the subject “**Application: Sediment Trap Mapping and Design Intern – [full name]**” and the following attachments:

1. Curriculum vitae.
2. Cover letter, which should include the applicant’s interest in working with Conservation International’s field programs in the Asia-Pacific and any relevant experience working in an NGO or environmental conservation setting.
3. Period of availability.
4. Writing sample.
5. Sample maps/projects to show experience and skills working with GIS software.

Shortlisted candidates will be invited for an interview.