

#### Application Related Information

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Application: Application Incomplete  
Grad Program Applying To: MES

Iteration Name: 202510\_GR\_G  
Program Name: MES

#### Recommendation Information

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Recommended By: Amy Hays  
Recommenders Institution: NOAA Fisheries Service  
Waive Access to Recommendation Ltrs: I choose to waive my right to review this recommendation.  
Recommendation Form Submitted: ✓

Recommenders Title: Research Fisheries Biologist  
Contact Name: Hailey Rosenthal  
Recommendation Waiver Choice:  
Recommendation Status: Received

Received Date: 01/02/2024 07:26 AM  
Recommendation Type: General  
Recommendation Entity ID: 1024000112166540

Recommender Assessment: I recommend this applicant.  
Recommender Form: Letter of Recommendation  
Recommendation Owner: Josephine Bernier

#### Recommender Form Questions

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How long have you known applicant:	Applicant ability as self-directed learner:
Time since last contact with applicant:	Applicant as productive member of group:
Relationship with Applicant:	Applicant most significant strengths:
Ability to complete rigorous grad program:	Responsibility/reliability:
Communication Skills - Oral:	Communication skills - written:
Service Orientation-sensitivity/empathy:	Ability to work independently:
Ability to handle stress:	Ability to think critically:
Ability to analyze/problem solve:	Ability to think creatively:
Openness to feedback:	Potential for leadership:
Ability to work in a team:	Personal/professional reflection:

#### Description Information

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Description:

Form URL: <https://evergreenstatecollege.radiu>

#### Other Information

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Created Time: 11/05/2023 08:17 PM  
Modified Time: 01/02/2024 07:26 AM

Created By: Josephine Bernier  
Modified By: Josephine Bernier



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
NATIONAL MARINE FISHERIES SERVICE  
Southwest Fisheries Science Center  
8901 La Jolla Shores Drive  
La Jolla, CA 92037-1508

Date 19 September 2023

From: Amy E. Hays, Research Fishery Biologist, NOAA, NMFS, SWFSC  
Subject : Letter of Recommendation for Hailey Rosenthal

To Whom It May Concern,

I am a Research Fishery Biologist with NOAA, NMFS, Southwest Fisheries Science Center in La Jolla, CA. We very often rely upon talented volunteers such as Hailey Rosenthal to assist on our research cruises. In January and April of 2017, on two separate surveys, Hailey volunteered for 42 days participating on our CalCOFI Cruises (California Cooperative Oceanic Fisheries Investigations) aboard NOAA Ship Reuben Lasker (winter cruise) and NOAA Ship Bell M. Shimada (spring cruise). I was chief scientist on both surveys. Hailey was an outstanding volunteer, one of the best and brightest I have worked with in my 35 years at the SWFSC. Hailey's primary duties included:

- assisting with sea water collection from CTD (Conductivity, Temperature, Depth) casts for analyses of salinity, oxygen, nutrient, chlorophyll, organic solids, particulate matter, etc.
- filtering large volumes of collected seawater using vacuum pumps for preservation and later analyses
- analyzing extracted chlorophyll samples using a fluorometer
- assisting in plankton collection with various nets
- preservation of collected plankton with formalin
- setting up CTD instrument prior to deployment for each station
- running CTD profile casts with ship's computer and deck unit, determining proper depths to sample the water column with niskin bottles attached to the CTD

Specifically on our April spring cruise when we were short staffed, Hailey was tasked to run CTD casts entirely on her own with minimal supervision. This is a skill normally reserved for trained oceanographers. She went above and beyond her role as volunteer. Because of Hailey's enthusiasm and dedication to detail, we did not hesitate in asking this of her. Hailey truly went above and beyond her responsibilities as volunteer.

Our survey grid encompassed near shore and off shore waters, much of the time in rough seas. Hailey did fantastic and was able to hold her own on a 12-hour watch with no problem. Believe me, the ability to work on a ship takes a lot of skill. Adding rough weather to the mix makes it even more difficult and impossible for some, but not for Hailey. She came to us very knowledgeable having just graduated from college with a good handle on life. Hailey was a strong asset to our CalCOFI cruises. I do not hesitate in recommending Hailey Rosenthal for entrance into an Evergreen State College master's program. Please feel free to contact me with any questions.

Sincerely,  
Amy E. Hays  
Research Fishery Biologist  
NOAA, NMFS, SWFSC  
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858-546-7130

