

Mandatory Field Trip #2

Coastal Waves, Currents, & Shoreline Features

Blacks Beach, San Diego, CA

Tuesday, July 3, 2018

Introduction

This mandatory fieldtrip assignment involves participating in a field trip to Black's Beach during normally-scheduled class time. The focus of this fieldtrip is on coastal wave and current activity, including wind waves, longshore and rip currents, breaking surf, and beach system dynamics. Students must complete a field trip worksheet during the fieldtrip. The fieldtrip worksheet is due at the end of the fieldtrip - no exceptions.

Mandatory Fieldtrip to Black's Beach

Date: Tuesday July 3 -- Meet at 11:15 AM Finish by 12:45 PM

Extra Credit Option: Arrive one hour early (10:00 am) and spend 1 hour in the ocean with the professor, or pick up trash on the beach for one hour and earn 3 extra points. Note that you must personally contact the instructor at the meeting location at 10:00 am and then at 11am to earn the extra credit.

Where to meet: Torrey Pines Glider Port - Overlooking Black's Beach, San Diego. We will meet on the bluff overlooking the ocean due south of the glider port facility. Park in the dirt parking lot directly south of the glider port facility. Don't be late!

How to Get There: go to this site for maps and directions to the meeting place:

[Torrey Pines Glider Port - Torrey Pines Gliderport - La Jolla, CA](#)

How long?: The trip will probably take about one and a half hours to complete (11:15 am to 12:45 pm).

Cancellation due to Weather: The field trip will be cancelled if it rains (very unlikely!!).

General Purpose: To familiarize students with the coastal geology of San Diego County, and to better understand the concepts concerning sedimentary rocks, depositional environments, shoreline processes, geomorphology, weathering and erosion, with an emphasis on geologic history of San Diego.

Activities: Observe, study, and discuss the local ocean wave, current and beach conditions.

Field Assignment: Students will be required to complete a short field trip question handout, which includes answering fill-in questions, observing ocean and bluff conditions, and writing a short reflection on the field trip experience to be turned in via the online classroom assignment portal.

Grade Points: Students will receive 30 credit grade points for completed the field trip, which includes attendance and the completion and submittal of a written reflection.

What to Bring: Students should bring the worksheet, a clipboard, writing tools, water, sunscreen, and a camera.

Don't forget to bring a copy of the in-person fieldtrip worksheet - questionnaire. Download a copy from this link:

http://www.seascisurf.com/costa_ocean_fieldtrip2_worksheet.pdf

What to Wear: Loose, comfortable clothes (T-shirt and shorts is good) along with a sweatshirt or windbreaker. Beach weather may range from sunny and warm to overcast and cool. So it is a good idea to be prepared either way.