

Dear GEOG 442,

Our trip to Palos Verdes will begin at 8:30 a.m., when we'll meet the bus at the Brotman Hall fountains. I'll collect any waiver, release, and informed consent forms that you may not have completed in class.

Be sure to bring the following:

- **clothes you don't mind getting cruddy.** We could have a field fashion show and collect photographs of one another for blackmail purposes!
- **covered shoes** sturdy enough to hike in. These don't need to be hiking boots, but they should be covered as it's pretty grimy and the footing can be uneven in places.
- **long pants.** We'll be getting in among the vegetation, and you'll be scratched up if you're wearing shorts. This is prime tick season and, while it's rare in California, Lyme Disease has been found in California ticks, so you do not want to risk picking up ticks on your skin as you move through vegetation. After the trip, be sure to pair up and go over one another's clothes and skins to find any unwelcome passengers and remove them very carefully.
- **water.** Count on going through at least 1 liter (big beverage bottles). I hope to have a case or two of backup water along on the bus, but be sure to bring enough water to stay hydrated (2 l would be ideal).
- **layered clothes.** The weather can be changeable up there, so make sure you can stay comfortable by having something light like a t-shirt or tank top, another shirt that can go over that, and then a sweatshirt or jacket or sweater. That way, you can peel it off if it's hot and tie the excess stuff around your waist or, if it's cold, you can bundle up.
- **sunglasses and/or a brimmed hat.**
- **Kleenex or hankies.** Nothing quite like getting a runny nose out in the tules with nothing but your shirt to wipe it on!
- **SPF.** Hours out on a sunny or even a cloudy day could get you a burn or other skin damage. If you're dark complected, aim for SPF 4-8; if you're someone with lighter skin who tans readily; aim for 8-15; if you're light skinned and burn easily, have at least 15.
- **a clipboard or field notebook** (the bookstore carries those small orange spiral bound Elan Field Books -- those are perfect). You're going to be taking notes and recording data.
- **a couple of pens and/or pencils.** Ditto.
- **lunch.** Sandwiches can work, but avoid using anything that requires mayonnaise or other easily spoiled oils to be edible: Refrigeration is not an option! Peanut butter and jelly? Cheese slabs on sourdough or rice cakes? Some fruit (apples, bananas, oranges) or dried fruit. Trail mix. Don't over provision!
- it's okay to bring along a smart phone, netbook, or tablet computer with wireless broadband in order to access the PV key (<http://www.csulb.edu/geography/PV/>), but please do not use it for phoning, texting, gaming, music, except at lunch -- **you are in class!**

Our first stop will be at Del Cerro Park at the end of Crenshaw Blvd., probably arriving around 9:30. We'll be able to get a broad overview of Palos Verdes biogeography, disturbance history, and geology from up there. We'll then hike down Crenshaw Extension, test-driving the key as we go. We'll split into three groups and attempt to do transect sampling along Bundy, Peacock, and Fire trails and collect data for later use in a biodiversity lab. We may do some tree coring on Aleppo pines up there, too, to see how well they preserve local fire history. We'll get back up to the bus and have lunch, probably around 12:30 or 1 p.m.. Then, we'll run down Hawthorne to Palos Verdes Drive South and "experience" the Portuguese Bend landslide and maybe look at Sunken City. We should be back by 2:30 or 3.

