

FIELD TRIP #4

APRIL 20th – 21ST, 2013

LOGISTICS:

- **Meeting Site:** Meet on **Saturday MAY 5th prior to 6:30am** in the same location as the other trips (*i.e.*, in the parking lot next to “Campus Security” on the east side of Grossmont College). Be ready to begin at 6:30 a.m. sharp.
- **Homework Assignment:** Summarize and explain (e.g., why any changes) the weather data from Trip #3.
- **Destination:** Southern Santa Ana Mountains above Temecula and Murrieta. Specifically: (1) Santa Rosa Plateau Ecological Reserve, and (2) SDSU’s Santa Margarita Ecological Reserve (SMER).
- **Day #1:** The full day will be spent as regular class time at the **Santa Rosa Plateau Ecological Reserve** (<http://www.rivcoparks.org/education/santa-rosa-plateau/santa-rosa-plateau/>). (We’ll include an initial oak-related stop in Murrieta; you’ll have 15 minutes free at about 8:30 am near a McDonalds and a Kwikimart, immediately before we go up to the Plateau.) Over the course of the whole day, we’ll hike for a total of about 4 easy miles in the hills above the Elsinore Fault Zone. **Bring appropriate supplies in a small backpack:** Pencils, colored pencils or highlighters, a water bottle, aspirin, allergy medication, chapstick, sun block, a hat; a clip-board is recommended. **Lunch:** Bring a sack lunch for in-the-field; we’ll have an ice chest available for storage; there will be no stores available at all whatsoever until dinner time. **Dinner:** We’ll drive to Pizza Factory in Temecula for dinner (*large tables allow “eat-and-review”*); either bring money or your own sack dinner.
- **Overnight:** We’ll stay at the North Field Station of SDSU’s “Santa Margarita Ecological Reserve” (SMER), which overlooks the Santa Margarita River Gorge (<http://fs.sdsu.edu/smer-river-gorge-fly-through/>). It’s surrounded by native Coastal Sage Scrub. We’ll arrive at SMER by Saturday night; SMER includes an inside facility with lighting, tables, and chairs ideal for conducting a Review Session for the Final Exam. **Camp Gear:** Bring the same basic “camp gear” as on the other trips; you can either set up a tent outside, or you can roll out a sleeping bag (and pad) directly on the concrete floor of the main room at SMER. (*No showers available.*)
- **Day #2:** We’ll use the full day to conduct our open-note Final Exam at SMER. **Breakfast** and **Lunch:** Both will be provided at SMER. Lunch will include chips, drinks, and non-silicate material to build-your-own sandwich, and will be available throughout the Final Exam.
- **Bring all course material, and, your three-ring binder** (*have this material potentially well-protected in the event of rain*): Organized binders will be turned in for grading at the end of class on Sunday evening.
- **Bring appropriate clothing:** An outer coat/poncho for rain-protection, several layers of jacket/clothing for warmth, but also something light for heat. It may be **cold, wet, and windy**, or **hot and dry**, but we’ll nonetheless be outside standing, writing, measuring, etc. For **sun protection**, bring a hat, dark glasses and sun block.
- **Bring several heavy-duty trash bags** for wrapping your gear in case of **rain**. (*This includes wrapping of any damp/wet tents before reloading into the vans.*)



damp/wet tents before reloading into the vans.)

- Know the **Geologic Time Scale**, at least the following in relative terms: *Precambrian, Paleozoic, Mesozoic, and Cenozoic; Triassic, Jurassic, Cretaceous (K); Tertiary (T) including the Eocene and Miocene Epochs; Quaternary including the Pleistocene and Holocene Epochs.*
- Know **S.M.U.T.**, plus the age and rock-type of all rock units seen on Trips 1-3.

Last minute emergency questions or info:

Tim Cliffe (619) 962-1278

Mark Goodman (619) 203-1845

FINAL EXAM: SUNDAY AT “SMER”