**GEOLOGIC FIELD TRIP**

**POINT REYES NATIONAL SEASHORE**

**AUGUST 10, 2019**

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FOR CSUB GEOLOGY CLUB

8:00 am City Park, Novato, California

8:30 am Novato quarry; Novato Quarry terrane; broken formation

9:30 am Classic "knocker" topography typical of Franciscan melange.

10:30 am Pillow Basalts, Nicassio Reservoir terrane, Black Mountain

11:30 am Point Reyes visitor center; San Andreas Fault. Earthquake Trail and Mount Wittenberg

2:00 pm Kehoe Beach; granitic basement and overlying transgressive marine sequence.

3:30 pm Drakes Beach; diatomaceous mudstone, upper Miocene/Pliocene Purisima Formation.

4:30 pm (optional) Point Reyes lighthouse; Paleocene/Eocene turbidites; submarine channel

5:30 pm Oil Seeps

6:30 pm Hot Springs

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**WHAT WILL I SEE?**

-Unique geologic formations

-San Andreas Fault

-Point Reyes Lighthouse

-Spectacular beaches, flora and fauna and photographic vistas

**WHAT IS REQUIRED?**

**-**Positive attitude for learning and adventure

-Dependable transportation

-Experienced safe driver

-Food, Water

-Boots, Long-leg pants, hat sunscreen, sunglasses

**REFERENCES**

<http://www.ncgeolsoc.org/past-field-trips/geology-of-the-point-reyes-area/>