

**GEOL 109 Lab**  
**Lab 1: Mad River fault zone and Mad River river**  
**Grading Rubric**

Total Points (20)

1. Background Tectonics

a. (5 pt ) Map Sketch:

- Plates
- Faults (including megathrust, triple junction)
- Motion Vectors
- HSU

b. (4 pt ) Cross Section Sketch

- Definition
- Sketch
- Arrows
- Correct angle  $\sim 30^\circ$

2. (3pt ) School Road Stop

- Definition (tectonic uplift + sea level changes)
- Sketch (higher terraces are older)

3. (4 pt ) Sea Cliff Stop

- Description of Outcrop
- Sketch of Outcrop

(4 points) MAP

- Label three stops (School Rd, Airport, Mad River Overlook)
- Correctly draw thrust faults – with teeth oriented in correct direction.