

**ES408/508 River Geology and Rafting / ES299W Introduction to River Science  
Tentative Field Trip Itinerary – Summer 2009**

**Day 1 Sat. August 1 "The Adventure Begins"**

- Stop 1-1 Natural Science Building Roof
- Stop 1-2 North Santiam State Park east of Salem
- Stop 1-3 Bigl Cliff Dam / Detroit Lakes
- Stop 1-4 Suttle Lake
- Stop 1-5 Lava Butte / Benham Falls

*Camp at La Pine State Park*

**Day 2 Sun. August 2 "From Volcanoes to River Canyons"**

- Begin Day Campground Worksheets / Lab Exercises
- Stop 2-1 Paulina Peak
- Stop 2-2 Little Cone Campground / Paulina Lake
- Stop 2-3 Paulina Lake (Paulina Creek Outlet)
- Stop 2-4 Paulina Falls
- Stop 2-5 Paulina Creek Field Exercise (Ogden Group Camp and McKay Crossing)
- Stop 2-6 Hwy 197 – Overview of Columbia River Basalts and Loess Hills

*Camp at Deschutes River Recreation Area*

**Day 3 Mon. August 3 "Missoula Floods and the Columbia Gorge"**

- Begin Day Campground Worksheets / Lab Exercises
- Stop 3-1 (O'Connor Stop 3.2) Hwy 197 Roadcut South of The Dalles
- Stop 3-2 (O'Connor Stop 1.1) Petersburg Bar
- Stop 3-3 (O'Connor Stop xx) Fairbanks Divide
- Stop 3-4 (O'Connor Stop 1.2) Celilo Falls Overlook
- Stop 3-5 (O'Connor Stop 1.4) Scabland

*Drive to Maupin / Camp at Trout Creek*

**Day 4 Tue. August 4 "Rafting, Rapids, and Rays"**

- Raft Preparation
- Stop 4-1 Lower Trout Creek – Road Cut
- Stop 4-2 (Beebe et al. Stop 3) Warms Springs Confluence / Railroad Cut
- Stop 4-3 (Beebe et al. Stop 4) Axford Flood Deposits (cutbank river left)
- Stop 4-4 (Beebe et al. Stop 5) River Mile 78.5 Whiskey Dick; Camp-site lecture on Deschutes River hydrology and geomorphology

*Camp at Whiskey Dick*

**Day 5 Wed. August 5 "Another Day Floating the River"**

- Begin Day Campground Worksheets / Lab Exercises
- Stop 5-1 Morning Hike to "The Pot" Overlook (from Whiskey Dick)
- River Mile 77 Whitehorse Rapids (Yee Haw!)
- Stop 5-2 (Beebe et al., Stop 6) River Mile 76 – The Pot – lower end

*Camp at Buckskin Mary*

**Day 6 Thurs. August 6 "Out of the 'Chutes and Into the Gorge"**

- Stop 6-1 (Beebe et al., Stop 8) River Mile 64 – Buckskin Mary / Dant DF Overlook
- Stop 6-2 (Beebe et al., Stop 9) River Mile 62.5 – Outhouse Flood Bar
- Stop 6-3 (O'Connor Stop 3.4) Cascade Locks Marine Park / Bridge of the Gods
- Stop 6-4 Bonneville Dam

*Return to Monmouth via Portland*