

**ES458/558 River Geology and Rafting
Tentative Field Trip Itinerary – Summer 2014**

Day 1 Fri. July 25 "The Adventure Begins"

Stop 1-1 Natural Science Building Roof
Stop 1-2 North Santiam State Park east of Salem
Stop 1-3 Detroit Dam / Detroit Lakes
Stop 1-4 Suttle Lake

Drive East / Camp at LaPine State Park

Day 2 Sat. July 26 "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 Overview of Columbia Plateau and Pleistocene Loess Terrain

Drive to The Dalles; Camp at Deschutes River State Park

Day 3

Sun. July 27 "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 Madras; Camp at Trout Creek, meet River Guides

Day 4 Mon. July 28 "Rafting, Rapids, and Rays"

Begin Day Raft Preparation / Launch
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 Tue. July 29 "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
Stop 5-3 River Mile 64 Buckskin Mary; Camp site lecture on paleoflood hydrology

Camp at Buckskin Mary

Day 6 Wed. July 30 "Out of the 'Chutes' Back Into the Valley"

Begin Day Campground Worksheets / Lab Exercises
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 High Cascades Overlook – Mt. Hood Vista

Return to Monmouth via Government Camp-Sandy-Mollala-Woodburn