

The 2019 PS SEPM Fall Field Trip is to Owens Valley!

\$35 for Students \$125 Professional Camping Friday & Saturday \$10

Register online Now!

<https://www.pacificsectionsepm.org/2019-field-trip>

**PACIFIC SECTION SEPM (Society for Sedimentary Geology)
FALL FIELD TRIP, Saturday & Sunday, Oct. 26-27, 2019**

**Anatomy of Anachronistic Carbonate Platform:
Environmental Conditions and Biotic Recovery in the
Aftermath of the Permian – Triassic Mass Extinction**

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Participant Limit: 100+

Vehicles: 4WD recommended; High clearance required

Highlights: The 2019 PS-SEPM Fall Field trip will examine Lower Triassic carbonates of the Union Wash Formation in the southern Inyo Mountains in order to examine environmental conditions in a shallow to deep carbonate sequence deposited in the aftermath of the Permian – Triassic mass extinction. We will start at the classic angular unconformity in Darwin Canyon that separates Lower Permian and Lower Triassic rocks. From there, we will walk through the majority of the section exposed in the Darwin Hills. We will begin by examining abundant *Thalassinoides* burrow networks that are found within shallow water sediments of the lower member, and represent an early, nascent recovery. Unusual fabrics and facies of the middle and upper member that are indicative of harsh environmental conditions will make the rest of our day, and will include seafloor precipitates, thick sequences of cm-scale alternations of laminated micritic limestone and calcareous siltstone, and unusual micritic limestone units. We will also get a chance to see ample evidence of soft sediment deformation. Sunday will be spent examining microbial facies and fabrics found in the upper member of the Union Wash Formation at Cerro Gordo, CA.