



Region 1 Barrier ID: W010 (Priority Barrier).

Barrier Name: I-5/SR-299 intersection north to I-5/SR-89 intersection.

Linear Infrastructure: I-5 and SR-299.

Geographic Area: Shasta and Siskiyou Counties, Redding to Azalea.

Length: 99.29 km (61.71 mi).

Target Species: Deer (*Odocoileus hemionus*), black bear (*Ursus americanus*), mountain lion (*Puma concolor*), mesocarnivores.

Connectivity Concerns: The barrier significantly disrupts (>50%) a linkage identified in a species movement study, regional connectivity study, or Conceptual Area Protection Plan, or significantly disrupts connectivity between or within important habitat blocks. It bisects an ungulate migration corridor that has been mapped based on GPS collar data or expert knowledge. The barrier also affects important movement corridors for sensitive or high-priority species, as identified in species movement studies, population viability analyses, or genetic studies. Data shows roadkill hotspots, significant or consistent wildlife mortality events, or mortality that could lead to population-level impacts for one or more species.

Remediation Goals: Additional data collection and analysis is required. Possible remediation goals include expanding and enhancing existing infrastructure such as culverts and creek bridges, create new overpass and wildlife exclusion fencing.



Figure: Barrier W010, beginning at I-5/SR-299 intersection north to I-5/SR-89 intersection, from Redding to Azalea in Shasta and Siskiyou Counties.