

San Diego Creek Causal Assessment

Informative Workshop #1 Outcomes

Case Definition

Spatial Constraints: Sections of San Diego Creek between Jeffery and Culver Ave

Temporal Constraints: Start by considering a multi-year framework (2006-2013 or 2009-2013), but potentially reduce the scope as we identify data gaps, consistency, etc.

Biological Endpoints: California Stream Condition Index (CSCI), Observed/Expected taxa (O/E), predictive Multi-Metric Index (pMMI) metrics, H2O Algal Index, and H2O metrics

Comparator Site Approach: Create a list of sites empirically based on natural gradients from the state-wide database and then constrain that list to the local region(s). Possibly add additional sites with engineered channels as needed/available.

Initial Candidate Causes

Annual sediment accumulation
Channel engineering
Pesticides
Elevated nutrients
Habitat simplification
Channel operation and maintenance
Flow (w/ attention to hydrology)
Temperature
Conductivity