**Hydrology**

Paradise Creek flood mitigation engineering to include design and design flood mitigation strategies to reduce or eliminate flooding in Paradise Creek. Paradise Creek is a flashy urban stream that experiences flooding during high-impact events. The wet weather basin in San Diego, California, is characterized by exceptionally high rainfall events called "king tides." High tide flooding in the Creek, and the surrounding community, is heavy rain along with the king tides. This can result in severe flooding in Paradise Creek, specifically at the confluence of the creeks, which includes businesses, residential areas, and recreational parks near the creek.

**Project Summary**

**Construction & Permitting**

- The permits needed for construction and operation include the Coastal Act Section 1903, which requires Coastal Act Section 1903, which includes Water Board certification for any federal permit or license authorizing impacts to waters of the United States. The National City local permits are required to include local jurisdictional

**Traffic Study**

- Traffic will be maintained during construction with an emphasis on minimizing traffic impacts and minimizing disruption to the community.

**Environmental Impacts**

- The proposed project will have a less than significant environmental impact with mitigation.

- Project costs include:
  - Flood Barrier: $1,700,000
  - Detention Pond: $800,000
  - Mitigation: $50,000
  - Pumps: $300,000
  - Percent: 10%