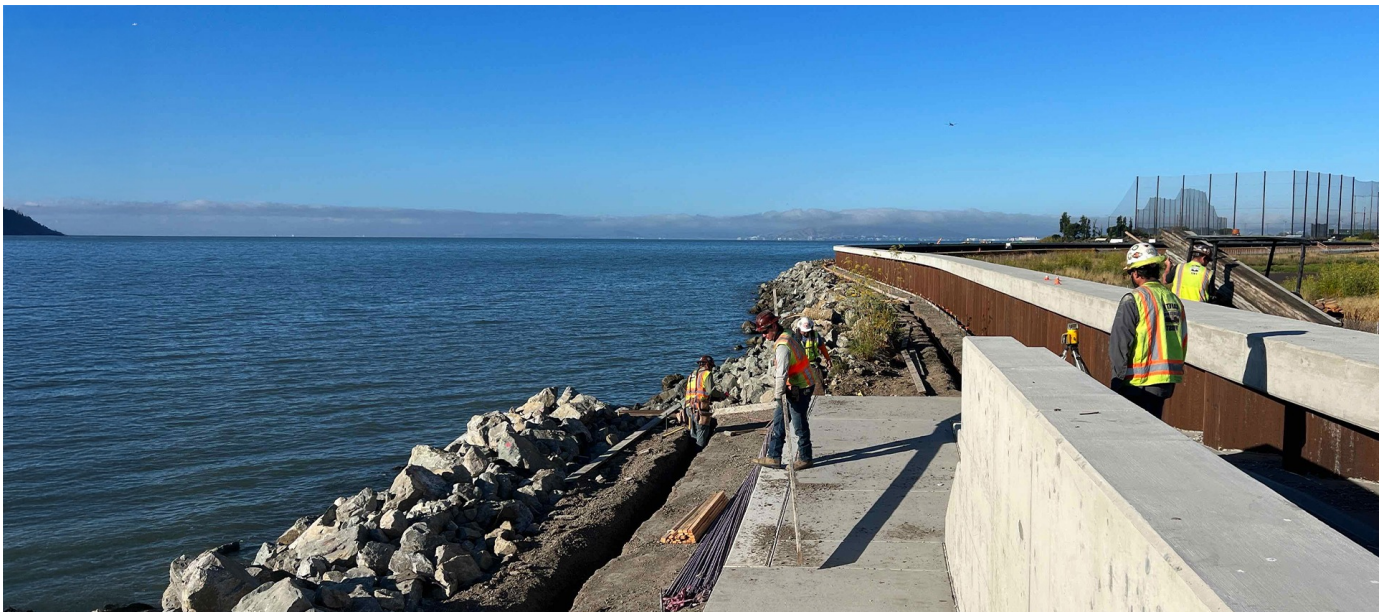


Flood control

We deliver long-lasting flood control solutions by integrating technical depth, regulatory insight, and nature-based design.

Climate change and aging infrastructure are intensifying flood risks. Developers, municipalities, and government agencies need forward-looking ways to protect their communities and assets. These solutions require a holistic understanding of environmental, regulatory, and social variables — from Federal Emergency Management Agency (FEMA) funding to urbanization to site geology and ecology.

Haley & Aldrich brings deep technical expertise and decades of experience to flood control consulting. Our team includes certified floodplain managers and licensed engineers who have designed and reviewed numerous flood mitigation projects across the United States. We support our clients through every facet and phase of a project, from watershed modeling and floodplain delineation to permitting, funding, and construction. These clients trust us to navigate complexity and deliver solutions that protect property, communities, and ecosystems because we approach flood control not as siloed engineers but as an integrated team that sees the big picture.

We specialize in design-build delivery of dams, levees, floodwalls, and stormwater infrastructure. Our extensive modeling capabilities allow us to simulate complex flood scenarios and optimize designs for resilience and cost efficiency. We also support FEMA conditional letters of map revision (CLOMR) and letters of map revision (LOMR) applications and provide technical review services for municipalities.

Talk to our service experts

HALEY ALDRICH



Christopher Langham

Senior Technical Expert, Hydrogeologist



Phil Gregory

Senior Principal Consultant

Service highlights

- Watershed modeling and flood risk analysis
- Flood risk assessments and FEMA CLOMR and LOMR support
- Floodplain management and permitting
- Infrastructure design and construction (e.g., levees, culverts, basins)
- Erosion and sediment control
- Resilience planning
- Nature-based restoration and mitigation
- Regulatory compliance
- Permitting
- Stabilization



Resilient flood control solutions that consider engineering, ecology, and regulatory needs

Flood control must evolve with climate change. That's why we embed resilience in our approach, balancing today's needs with tomorrow's risks. Our team designs infrastructure that withstands extreme events while enhancing natural systems. From wetland restoration to riparian mitigation, we integrate nature-based solutions that reduce long-term costs and improve ecosystem services.

Clients need flood control consultants that understand the practical realities of flood control, and our experts navigate FEMA requirements, permitting processes, and maintenance concerns to ensure your solution is feasible and fundable. Whether designing new infrastructure or upgrading existing systems, we deliver value by aligning technical performance with regulatory and financial goals.

Haley & Aldrich provides flood control consulting services for clients in:

- **Aerospace**
- **Education, healthcare, and cultural institutions**
- **Energy**
- **Environmental trusts**
- **Government infrastructure**

- **Industrial and manufacturing**
- **Mining**
- **Real estate developers**

Contact us to learn more about our flood mitigation, risk assessment, and planning services.