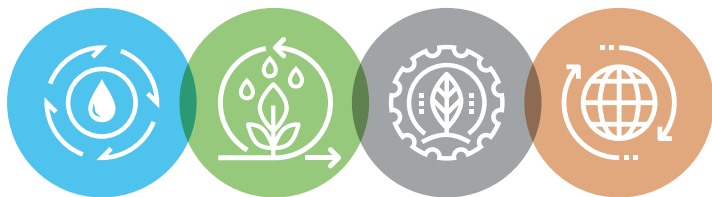




Synergy of Water and Science®



CES – providing solutions for **over 40 years.**

Water



Water Source, Treatment and Reuse

We specialize in taking the waste out of water.

CES provides expertise in locating and developing ground and surface water sources. Our comprehensive approach to water management combines mechanical and land-based systems to achieve the most cost-effective and sustainable solutions. Our experienced team of professionals specialize in design, permitting and construction of water supply and treatment systems. By designing systems that beneficially reuse water, solids and byproducts, CES is able to reduce capital costs while expanding usable water resources.

Services include:

- Permitting and regulatory reporting
- Surface water diversion
- Pump station and well design/construction
- Water source development and rights
- Storage ponds and reservoirs
- Groundwater/surface water investigations
- Water treatment systems

Agriculture



Agriculture Resources

Advanced solutions that expand available water resources while preserving our environment.

As the demand for water grows, the need for effective management and efficient use grows too. Using science and engineering, CES can create solutions that leverage natural site features to reduce cost and improve water quality and availability.

Services include:

- Automated soil moisture monitoring
- Irrigation scheduling
- Animal waste treatment/management design
- Irrigation system design
- Turn-key water system development
- Poor quality water management
- Salinity management
- Soil investigations/reclamation
- Beneficial reuse of agricultural and industrial byproducts

to our clients' water and environmental needs

Cascade Earth Sciences (CES) was founded in 1976 as a soil consulting firm. In 1998, CES joined Valmont® Irrigation, the world's largest mechanized irrigation company. CES provides our clients with sustainable solutions that combine science, engineering and natural systems. Our reputation is built on innovative solutions that conserve both financial and natural resources. With a focus on client satisfaction, CES is proud to report that year over year, 99% of our clients would utilize CES for future projects.

Engineering



Engineering Design Solutions

Custom solutions for complex challenges.

The multi-disciplined CES design team provides comprehensive solutions to our client's complex water, wastewater, solid waste and environmental challenges. Using science, engineering and cost feasibility, CES provides advanced solutions for municipal wastewater, dairy waste, food processor discharges, industries and stormwater.

Services include:

- Wastewater land application/reuse
- Wastewater treatment feasibility and design
- Treatment lagoons and engineered wetlands
- NPDES permitting and TMDL compliance
- Pumping and distribution system design
- Landfill permitting, design and oversight
- Economic assessments
- Construction management

Environmental



Remediation, Reclamation and Permitting

High quality environmental assessments, reclamation, and permitting services.

CES has interdisciplinary environmental professionals with extensive experience assisting clients with the growing challenges of State and Federal permitting and compliance regulations. Our solutions are based on close collaboration with our clients, site characteristics and strong working relationships with many regulatory agencies.

Services include:

- Preliminary assessments and site inspections
- Environmental impact assessments
- Wetland assessments and delineation
- Stormwater pollution prevention plans (SWPPPs)
- Compliance monitoring
- Remedial investigations/feasibility studies
- Removal/remedial actions (design-build options)



Design-Build

Allow CES to manage your next project for lower cost, improved timelines and less risk.

CES has significant experience with a broad variety of design-build projects including water treatment, large ponds and lagoons, irrigation systems, dam removals, river diversions, pump stations and mine reclamation. Our services include system design, cost estimating, complete procurement, general contracting, construction inspection and management, permitting and system warranties. By choosing the Design-Build project approach, our clients have more control over quality while greatly simplifying contracting. This approach allows for a single point of responsibility, streamlines design and construction, while also accelerating project completion times by 20-40%; thus increasing overall savings.

Contact CES for assistance with your water, environmental and engineering needs.

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IDAHO

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OREGON

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Pasco, WA | 509.547.1623

INTERNATIONAL

Beijing, China | +86 10.8532.3512



Close client-consultant relationships, responsiveness, technical achievement, quality, responsibility and on-time delivery are our trademarks.

CES Staff

Our interdisciplinary approach provides sustainable solutions to water and environmental challenges.

Our experienced professionals bring proven experience to solve complex water and environmental challenges. We believe that most client needs are best achieved by an interdisciplinary team of engineers and scientists working closely with client team members to ensure projects consistently exceed expectations. Our registered engineers are experienced environmental, chemical and civil professionals. Additionally, our team of scientists include soil, agronomy, geology, hydrology and biology professionals. These dedicated professionals provide top-tier consulting services for a broad range of clients across the country and around the world.