COASTAL MONITORING ASSOCIATES

Groundwater–Surface Water Interface Specialists

Capability Statement

COMPANY OVERVIEW

Coastal Monitoring Associates (CMA) is a federally registered (SAM.gov) small business founded in 2003 specializing in identifying, quantifying, and monitoring groundwater discharge to coastal, estuarine, and other aquatic systems, including sites impacted by PFAS, PAHs, petroleum hydrocarbons, metals, and other contaminants. As the Trident Probe patent holder and exclusive nationwide provider of the proprietary UltraSeep groundwater seepage meter, CMA has supported over 100 groundwater–surface water interface (GSI) investigations for the nation's leading environmental consulting firms, engineering firms, and federal agencies.

CORE COMPETENCIES

- Groundwater discharge zone screening (Trident Probe)
- Porewater & surface water sampling (Trident Probe)
- Groundwater seepage quantification (UltraSeep)
- PFAS investigations (porewater & surface water)
- Cap performance monitoring (Trident and UltraSeep)
- Sediment sampling (grab, Vibracore, etc.)
- Differential-pressure piezometer (DPZ) installation & monitoring
- Ebullition monitoring (Ebullition Meter)
- Contaminant mass flux estimation (UltraSeep + Trident Probe)
- Field health & safety planning and oversight

OUR APPROACH

CMA teams with prime environmental consulting and engineering firms, integrating seamlessly into the broader site investigation process to deliver robust, high-quality, accurate, and defensible GSI data. Each project is tailored to the questions our clients are asking at their sites, ensuring cost-effective data collection and sampling.

RECENT PERFORMANCE

Bayonne Sediment Site, Newark Bay, NJ — *Parsons (2026)*
Collocated Trident SW/PW sampling at two depths across 12 stations off a former refinery, with multi-day UltraSeep seepage quantification at six collocated stations.

US Navy, Installation Restoration Site 14, Alameda, CA — *AECOM (2026)*
UltraSeep seepage rate quantification and specific discharge analysis over an extended monitoring period. Trident intertidal shoreline PFAS sampling survey.

San Francisco Bay PFAS Background, CA — *AECOM (2026)*
Trident PW sampling and temperature/conductivity screening for PFAS background at 38 stations across ~18 km of Central SF Bay (Tiburon to Oakland Airport).

Portland Harbor Superfund Site, River Mile 2 East, OR — *Integral Consulting (2026)*
Integrated site-wide discharge zone mapping followed by a concurrent Trident Probe PW survey and UltraSeep seepage quantification at multiple locations.

Perth Amboy Co-Steel, Raritan River, NJ — *Jacobs (2026)*
Phased GSI investigation: Trident Probe screening at 60+ stations to identify groundwater discharge zones, statistical selection of confirmation stations, then co-located surface water, porewater (Trident), and sediment (Vibracore) sampling to confirm releases.

Tacoma Smelter Superfund Site, WA — *Jacobs (2025)*
Trident Probe PW screening at 50+ stations with conductivity/temperature contrast mapping and Trident PW sampling at ranked/selected discharge zones.

COMPANY DATA

UEI: L5EKN6SMKAZ3
NAICS: 541620 (Environmental Consulting Services)
NAICS: 541715 (Scientific R&D Services)
CAGE Code: 5NBT1
Patent: Trident Probe
SAM-registered small business
Founded: 2003
Geographic Coverage: Nationwide

WHY CMA

- Patented Trident Probe technology (sole-source eligible)
- Trident cited in NJDEP remediation guidance
- Seepage rate measurements as low as 0.05 cm/day (lab-calibrated detection limit)
- PARCC QA; flow precision & accuracy ≤2%
- Large-volume porewater sampling in low-yield sediments (clays & silts)
- Custom-engineered deployment systems for all field conditions (including PFAS compatibility)
- 20+ years / 100+ GSI investigations nationwide
- PhD- and MS- level senior scientific staff
- Zero safety incidents and no OSHA recordables since inception
- Fully insured; certificates of insurance available on request

KEY PERSONNEL

Chris Pickerell, M.S. - Principal
Lorne Brousseau, M.S. - Principal
Bart Chadwick, Ph.D. - Sr. Consultant
Chris Smith, M.S. - Sr. Consultant

SELECT CLIENTS

AECOM · Anchor QEA · Battelle · CDM Smith · EA Engineering, Science, and Technology · Floyd Snider · Foth · GeoEngineers · Geosyntec · GSI Water Solutions · HGL · Integral Consulting · Jacobs · LimnoTech · Parsons · QEA · Stantec · Terraphase Engineering · Tetra Tech · Trevet · US Navy · WSP

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