Eco-Tracker™
Water Quality Monitoring Systems
U.S. Patent 8,763,478 B2
MADE IN THE
USA
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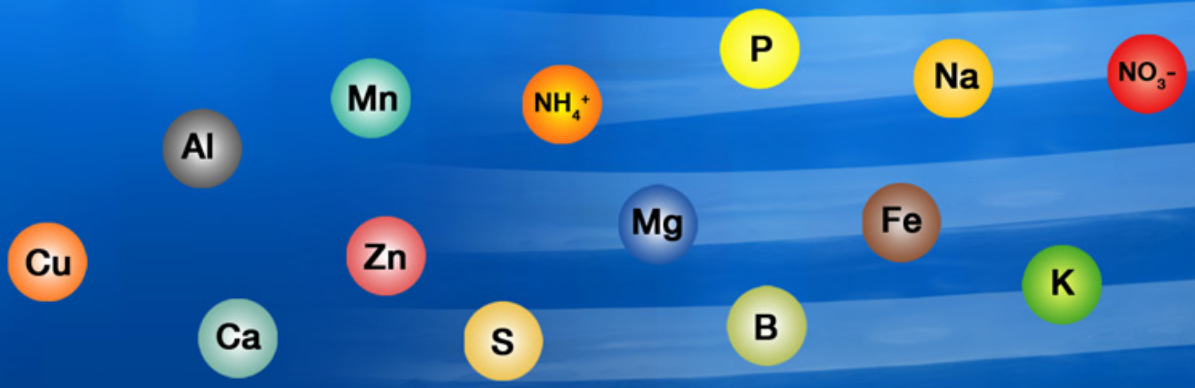
What is Eco-Tracker?

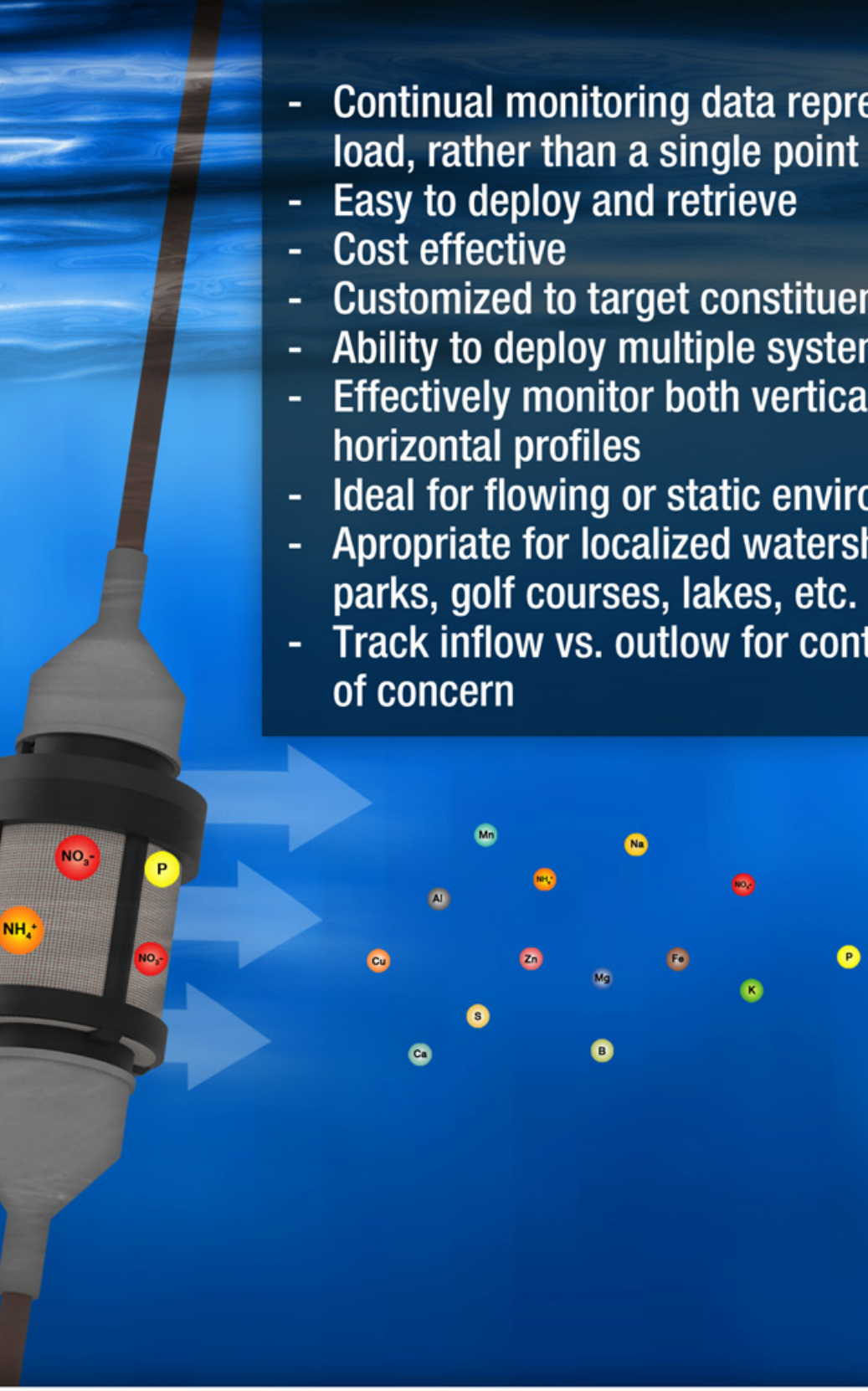
Eco-Tracker™ is an innovative passive water monitoring tool that utilizes patented resin blends to continually monitor targeted compound movement within a watershed system.

Contaminant Tracking



Data collection is continual following placement of the monitoring device. The system acts as a “data logger”, adsorbing target substances over time.

- Continual monitoring data represents a cumulative load, rather than a single point in time
- Easy to deploy and retrieve
- Cost effective
- Customized to target constituents
- Ability to deploy multiple systems
- Effectively monitor both vertical and horizontal profiles
- Ideal for flowing or static environments
- Apropriate for localized watersheds, parks, golf courses, lakes, etc.
- Track inflow vs. outlow for contaminants of concern

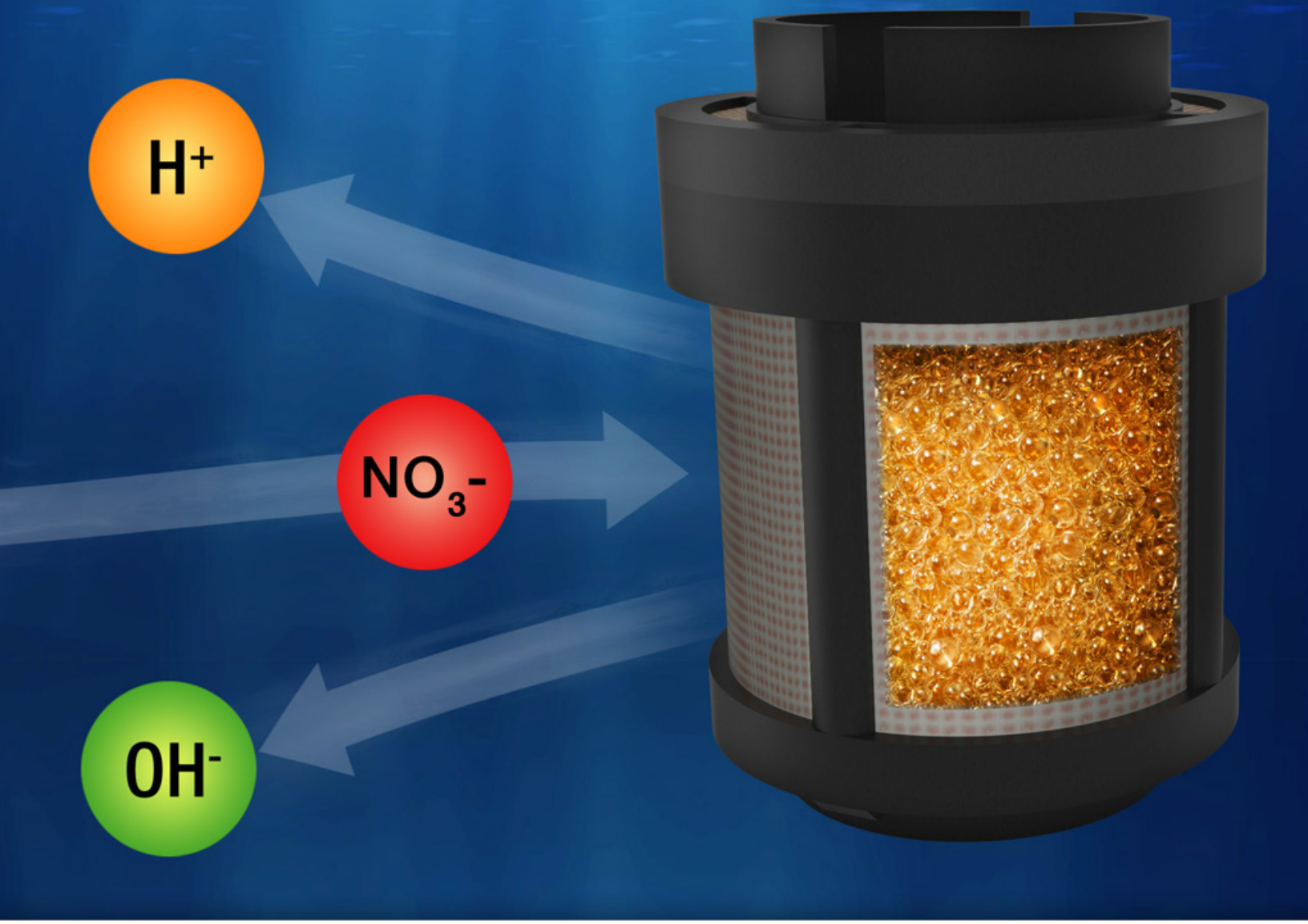


Whether in a freshwater or saltwater environment Eco-Tracker™ is equally effective.

The environmental community needs a simple, accurate and cost effective monitoring method - Eco-Tracker™ will deliver.

Passive Sampling Tool

Eco-Tracker™ acts as a trap, continually exchanging ions for specific counter ions. Once analyzed, the data represents a cumulative load.



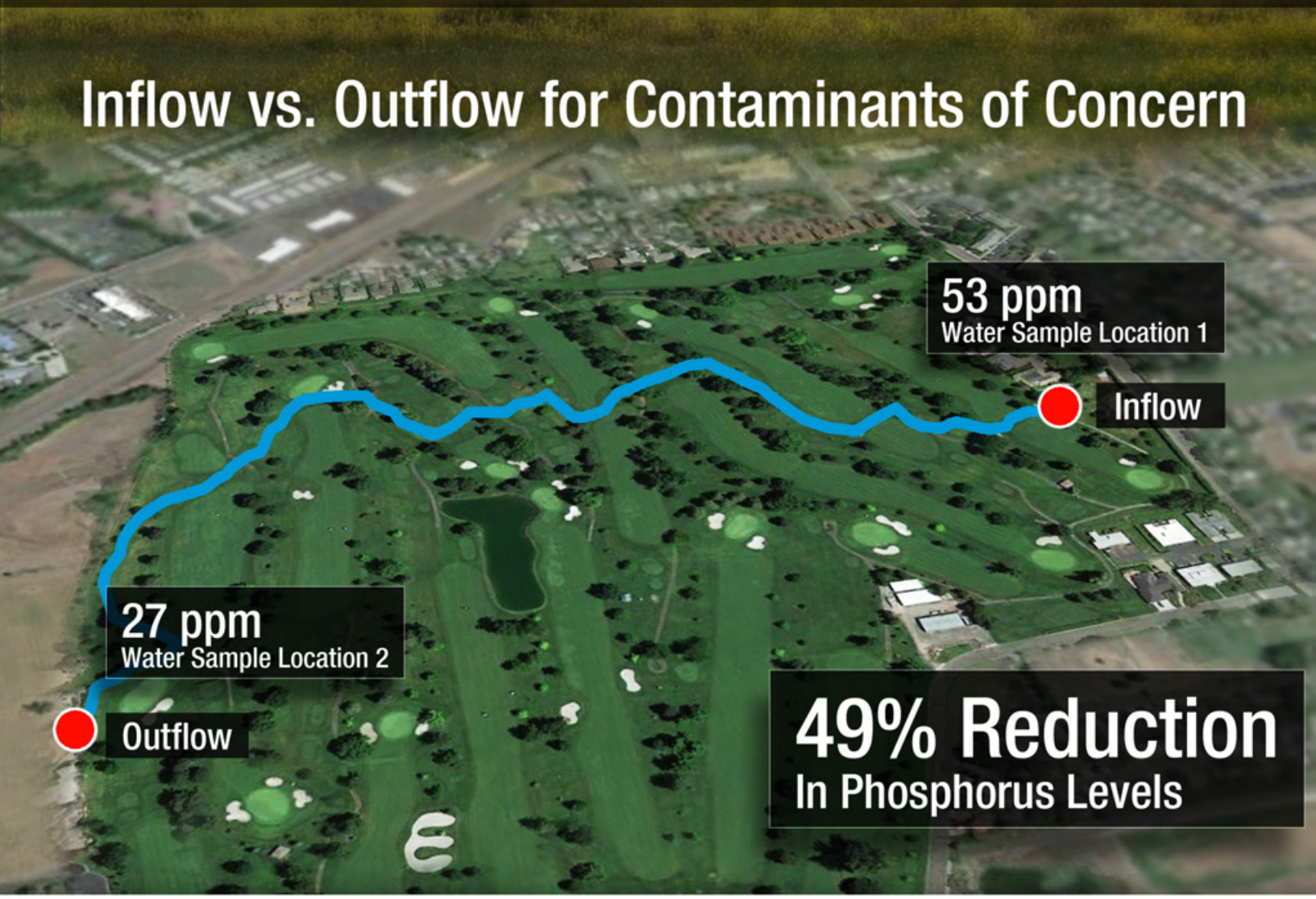
Applications

- Flowing or static environments
- Localized watersheds (parks, golf courses, lakes)
- Urban and effluent studies (contaminants of interest)
- Regional and national studies

Technology Benefits

- Evaluations of Best Management Practices
- Natural Resource Damage Assessments
- Research and Development

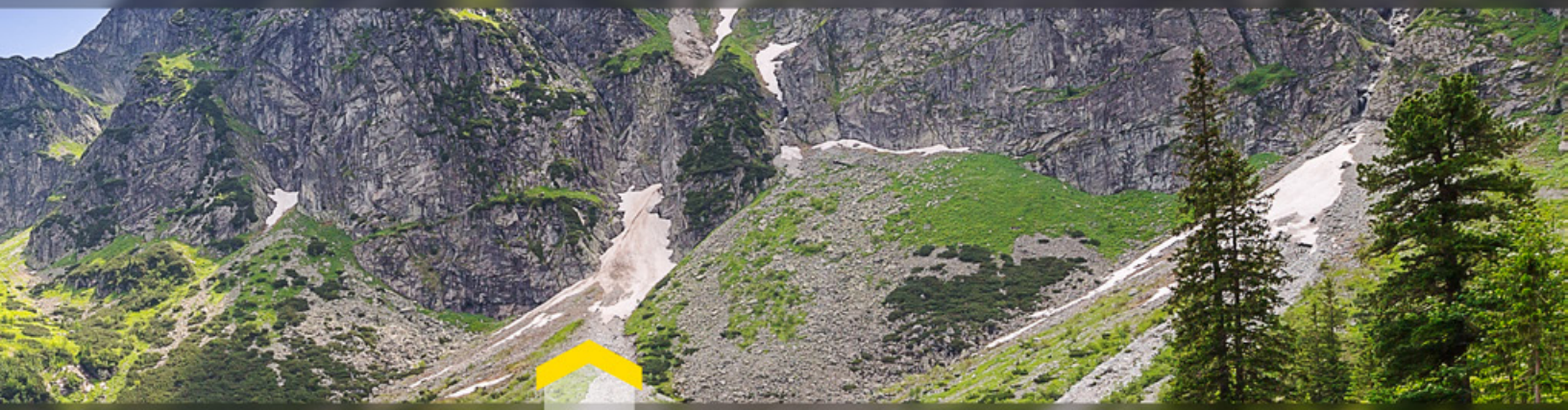
Inflow vs. Outflow for Contaminants of Concern

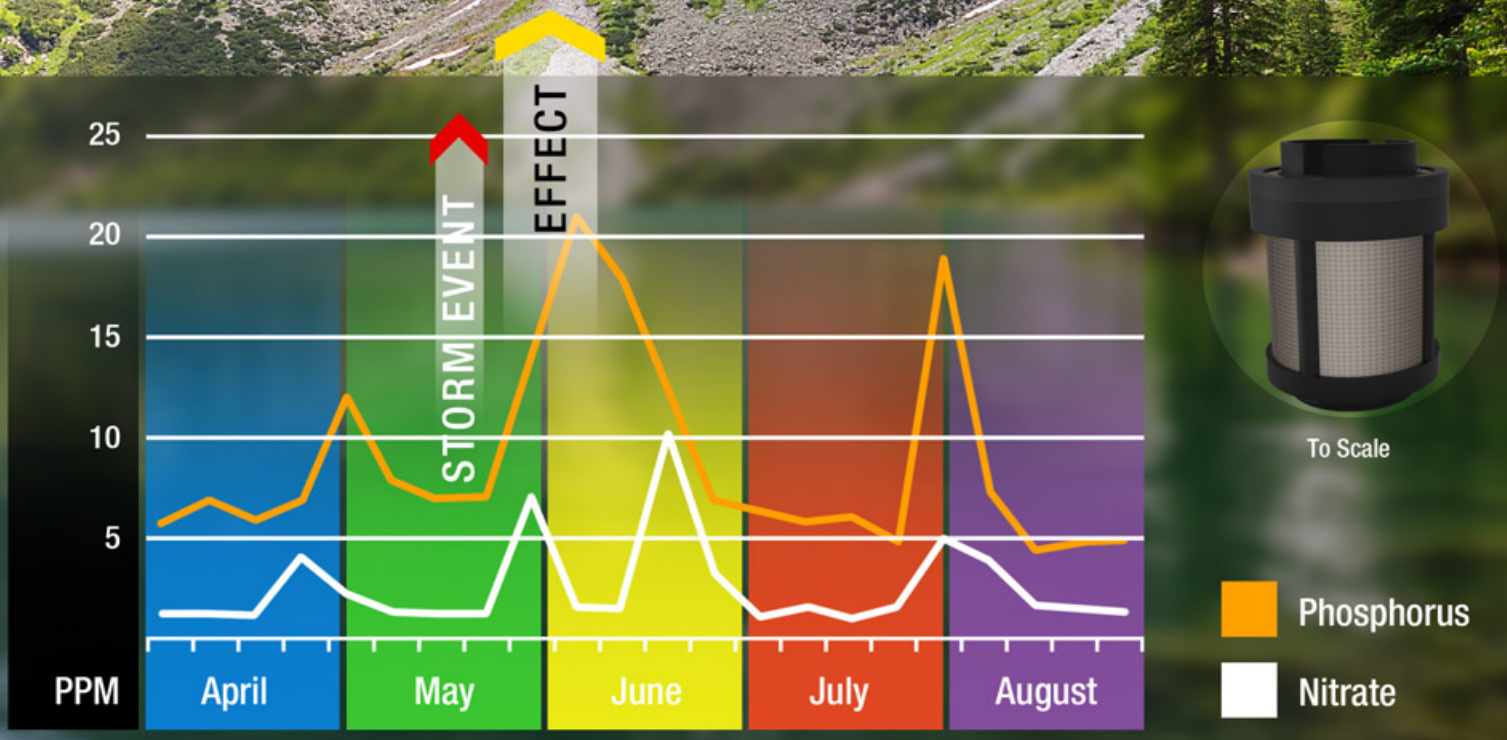


Whether tracking fertilizer or pesticide inputs in a local stream or tracing hazardous materials to a contamination source, **Eco-Tracker™** is your answer.

Seasonal Lake Nutrient Monitoring

Eco-Tracker™ can be used to measure targeted compounds including nutrients, metals, organics and other contaminants of interest.





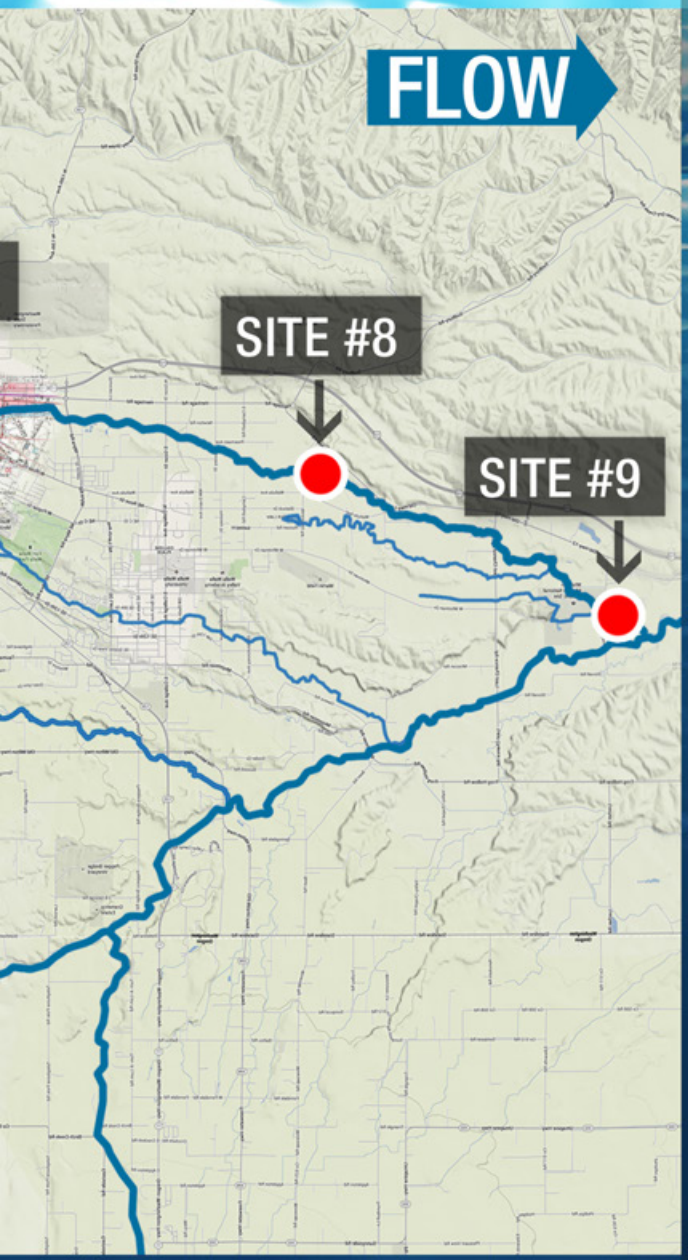
To Scale

Get Started with
Eco-Tracker™
Water Quality Monitoring

ASSESSING YOUR SITE

- A site assessment is required prior to system deployment
- Experienced staff will work with the site managers to determine ideal deployment locations and testing frequencies

- Eco-Tracker™ requires minimal training to install and collect the sampling network
- Once trained, users will be able to self-manage their sites



SITE LOCATIONS

SITE #1 - Upper Reach of Watershed

SITE #2 - Lower-Upper Reach of Watershed

SITE #3 - Confluence of Major Tributary

SITE #4 - Agriculture Center

SITE #5 - Beginning of Channelization

SITE #6 - Division Dam Below Distributary

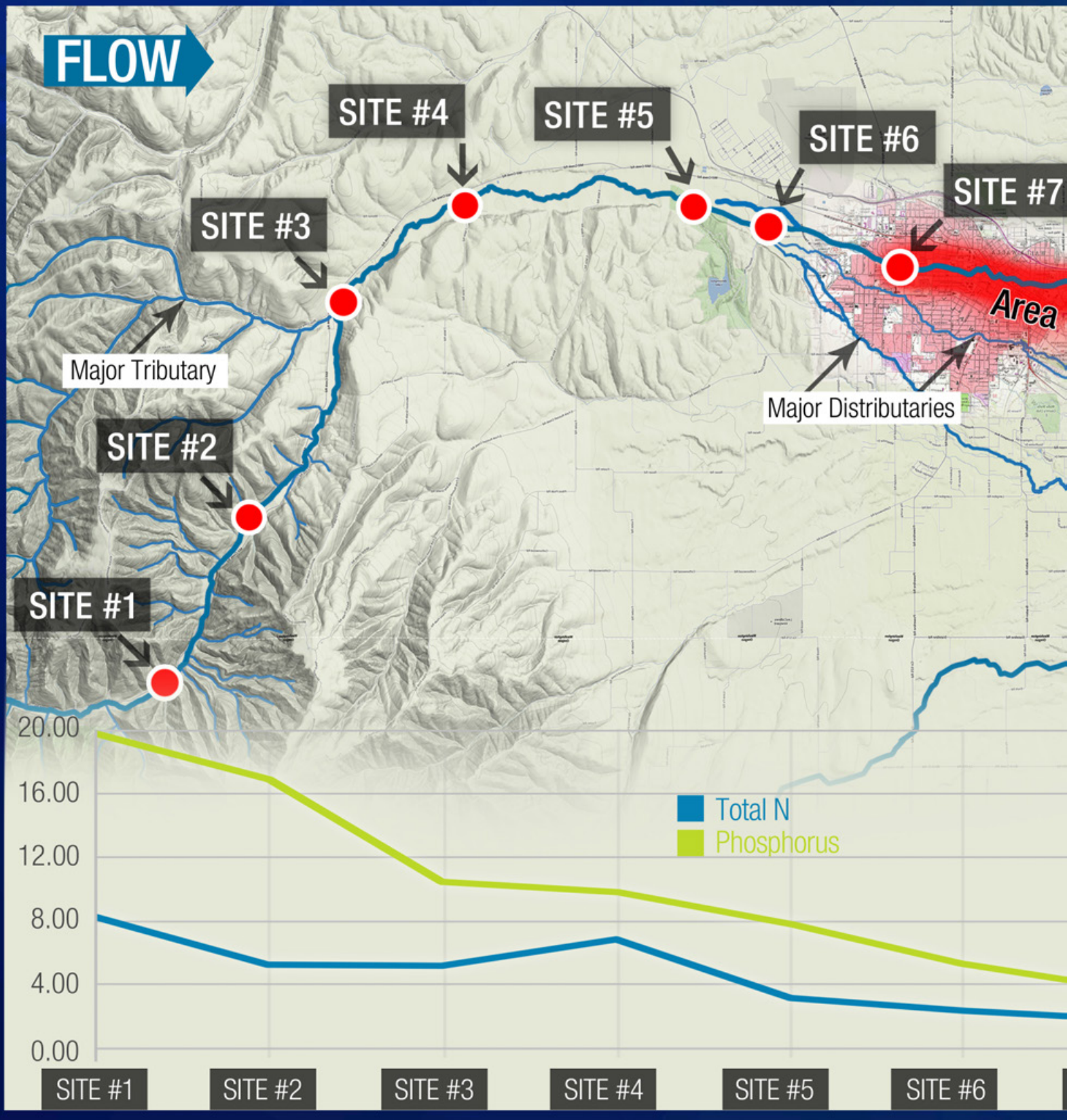
SITE #7 - Beginning of Urban Center

SITE #8 - Lower Reach of Watershed After Urban Center

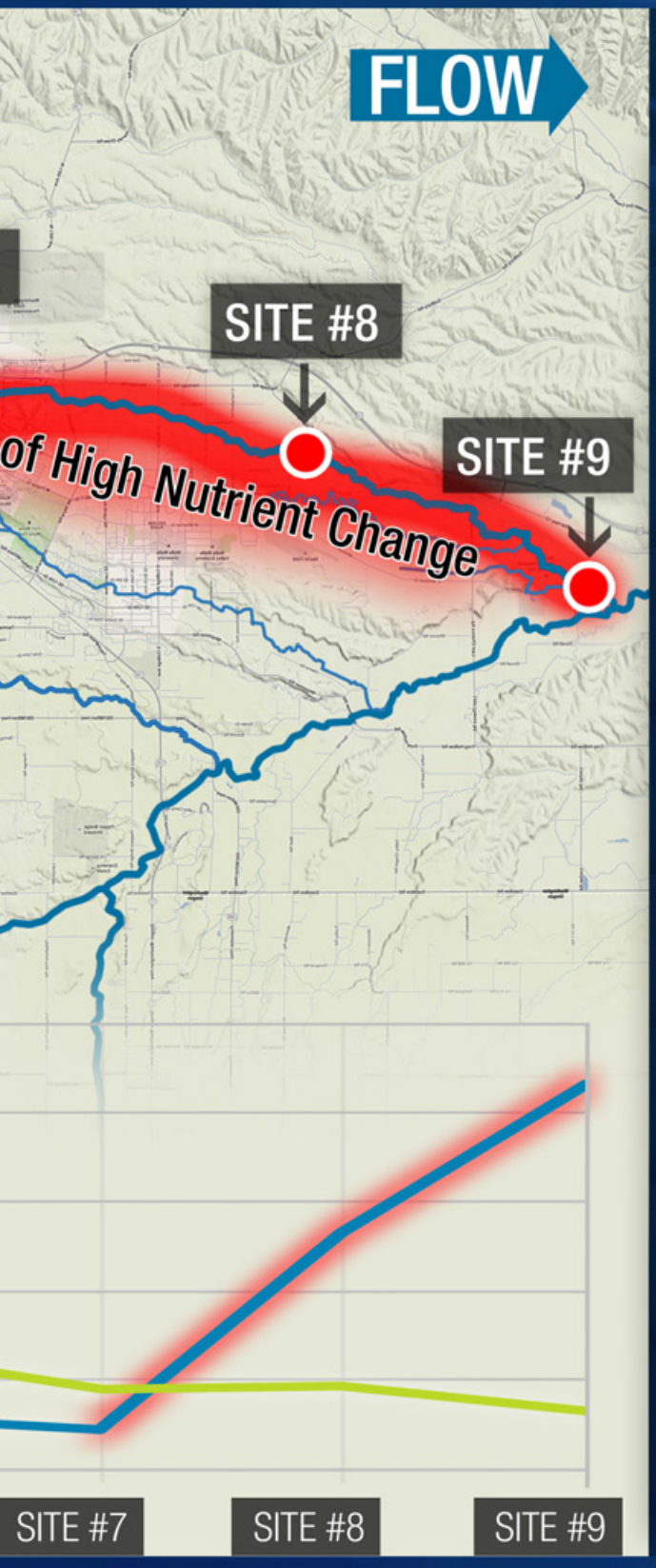
SITE #9 - Mouth of River

EASY TO UNDERSTAND

- Upon completion of resin analysis, data is compiled and interpreted by qualified staff into an easy to read format.

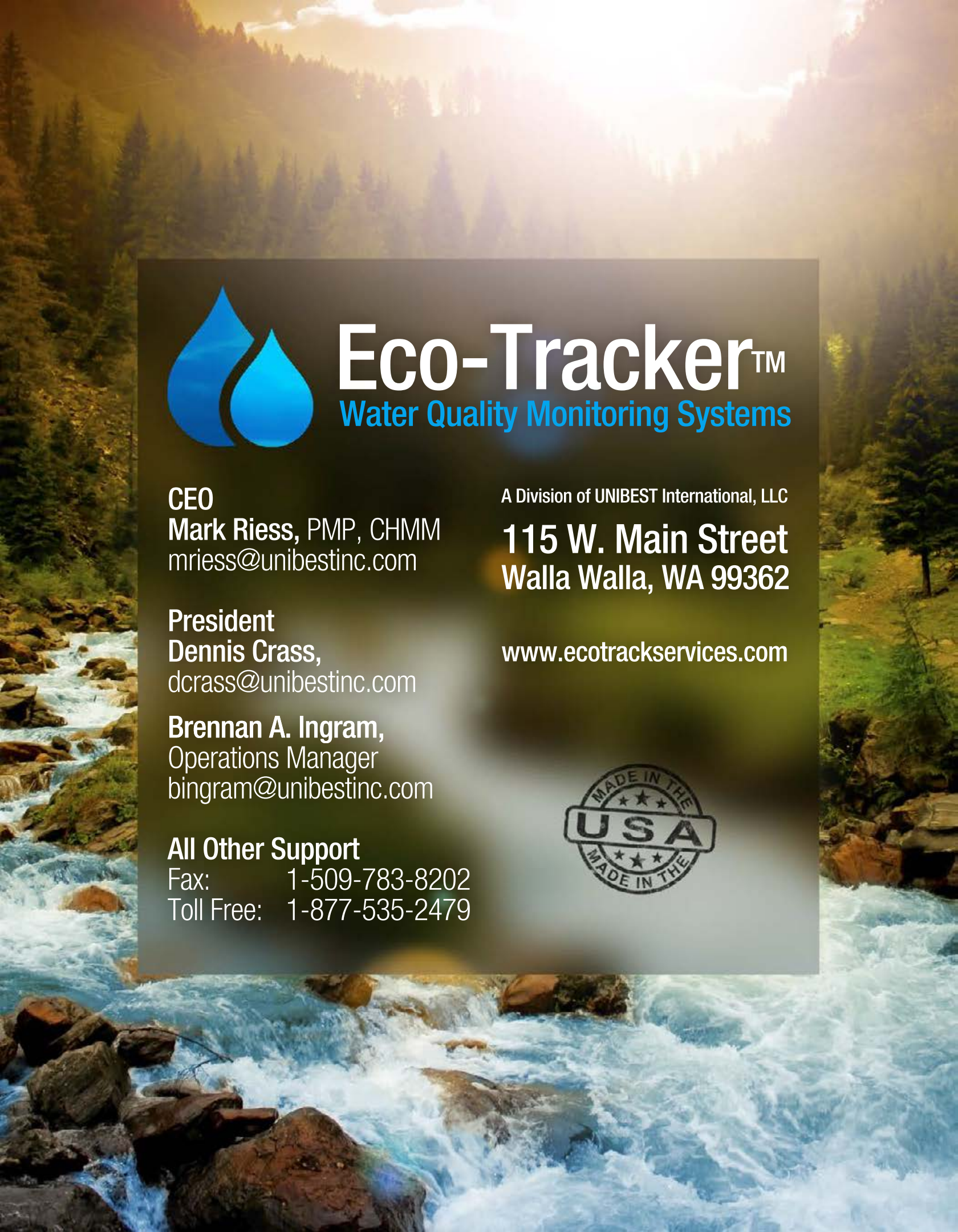


- Data reporting and system modeling provides insight for high impact areas, as well as meaningful metrics for Natural Resource Damage Assessments, Total Maximum Daily Load, and the evaluation of Best Management Practices.



SITE LOCATIONS

	Total N	Total P
SITE #1	8.135	19.740
SITE #2	5.095	16.900
Change from SITE #1	37% ▼	14% ▼
SITE #3	5.027	10.363
Change from SITE #1	38% ▼	48% ▼
Change from SITE #2	1% ▼	39% ▼
SITE #4	6.679	9.771
Change from SITE #1	18% ▼	51% ▼
Change from SITE #3	33% ▲	6% ▼
SITE #5	2.910	7.676
Change from SITE #1	64% ▼	61% ▼
Change from SITE #4	56% ▼	21% ▼
SITE #6	2.130	5.017
Change from SITE #1	74% ▼	75% ▼
Change from SITE #5	27% ▼	35% ▼
SITE #7	1.596	3.421
Change from SITE #1	80% ▼	83% ▼
Change from SITE #6	25% ▼	32% ▼
SITE #8	10.669	3.583
Change from SITE #1	31% ▲	82% ▼
Change from SITE #7	568% ▲	5% ▲
SITE #9	17.216	2.452
Change from SITE #1	112% ▲	88% ▼
Change from SITE #7	979% ▲	28% ▼
Change from SITE #8	61% ▲	32% ▼



Eco-Tracker™

Water Quality Monitoring Systems

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