

## Bob Santore, Adam Ryan, and Kelly Croteau join Windward Environmental LLC

Windward is excited to announce the addition of Bob Santore, Adam Ryan, and Kelly Croteau to our existing team of environmental science and engineering professionals. Bob and his group are a great fit with Windward because we share a strong interest in developing scientifically defensible solutions that successfully address the important and often complex issues faced by our clients. Bob and his group are internationally recognized leaders in the fate and effects of metals. They are well known for their ability to work collaboratively with industry, regulatory agencies, and academia to effectively address environmental questions and problems using sound science.

Bob, Adam, and Kelly will be based in Syracuse, New York, which is close to home for our clients in the northeastern US and eastern Canada. They will complement Windward's strong capabilities in aquatic ecotoxicology and further strengthen our expertise and ability to support clients on a broad variety of important issues related to metals and other stressors, including site-specific assessments and regulatory permits. We already have several metals and mining industry clients in common, so joining forces will allow us to coordinate and streamline services to better meet our clients' needs.

Examples of their work include:

- Freshwater Biotic Ligand Models (BLMs) for Al, Cd, Co, Cu, Ni, Pb, and Zn
- Marine BLMs for Cu, Ni, and Zn
- Development of bioavailability-based regulatory frameworks in partnership with the US Environmental Protection Agency and other agencies around the world
- Metal bioavailability in sediment
- Metal mixture BLM
- Development of software tools that combine database processing, graphics, and jurisdictionally specific water quality standard calculations (e.g., Zinc Comp Tool and Al BLM software)
- Site-specific criteria case studies in San Diego Bay and other sites
- Development of BLM-based approaches for predicting effects of episodic exposure of freshwater organisms to Cu
- Efficient application of scripting (i.e., code-based approaches) for processing large datasets in support of risk assessments, including high-volume application of the tools/approaches listed above



[www.windwardenv.com](http://www.windwardenv.com)

For additional information on Windward or how we may be able to support you on environmental issues, please contact either Mike Johns (206-812-5418; [MikeJ@windwardenv.com](mailto:MikeJ@windwardenv.com)) or Bob Santore (206-812-5450; [RobertS@windwardenv.com](mailto:RobertS@windwardenv.com)).