

SIG Research Priorities

DATE	As at 1 June 2015	
SIG:	Surface Water Integrated Management	
SIG CONTACT:	Tim Davie	
RESEARCH PRIORITIES	Ranking	Priority
	1	Groundwater/surface water interactions <ul style="list-style-type: none"> • Policy frameworks that adequately account for dynamic interaction and different timescales of physical response • Models able to operate at different levels of complexity but integrate groundwater and surface water
	2	Encapsulating matauranga Maori alongside traditional SWIM science in advice for community discussions
	3	Investigating linkages between nutrient inputs, periphyton growth, and ecosystem health
	4	Environmental drivers for toxic benthic cyanobacteria <ul style="list-style-type: none"> • Beyond biochemistry • Basic science being done now, need to look at wider environmental drivers
	5	Specific tools for management (beyond planning) <ul style="list-style-type: none"> • e.g., RIVPACS for comparing observed invertebrate scores with predicted • Always a need for science information to be packaged into usable tools
OTHER INFORMATION:	The driver is the implementation of the NPS for freshwater management "Surface Water Integrated Management research priorities" (March 2015) "Surface Water Integrated Management (SWIM) Strategy 2014" (June 2014)	