E. coli - Lakes

Summary sheet of baseline and modelling data

Lake name	Where in lake is this monitored or modelled?	What is the baseline state?		What is the likely change by 2080 from the baseline under this scenario? (using 3D modelling)								What is the likely % change by 2080 from the baseline under this scenario in E.coli concentration? (using 1D model median)							
		From baseline 3D scenario modelling	From MfE swimmability map (NB only one score for whole lake)	BAU	Silver	Gold	Silver + 1m additional depth	Silver + Onoke outlet closed	Silver + Onoke outlet closed + all flows of Ruamāhanga into Lake Wairarapa	Silver + all flows of Ruamāhanga into Lake Wairarapa	Silver + non-flood flows of Ruamāhanga into Lake Wairarapa	BAU	Silver	Gold	Silver + 1m additional depth	Silver + Onoke outlet closed	Silver + Onoke outlet closed + all flows of Ruamāhanga into Lake Wairarapa	Silver + all flows of Ruamāhanga into Lake Wairarapa	Silver + non-flood flows of Ruamāhanga into Lake Wairarapa
Lake Wairarapa - north	Site 2	A	B	–	–	–	–	░	░	–	–	-13	-40	-40	-60	░	░	+321	+103
Lake Wairarapa - middle	Middle	A	B	–	–	–	–	░	░	–	–								
Lake Wairarapa - south	Alsops Bay	A	B	–	–	–	–	░	░	–	–								
Lake Wairarapa - outlet	DS barrage gates	A	B	–	–	–	–	░	░	–	–								
Lake Onoke - north	Site 1	B	D	–	–	–	–	–	↑	░	░	-14	-16	-16	+111	+66	-74	-70	░
Lake Onoke - middle	Middle	B	D	–	–	–	↓↓	–	↑	░	░								
Lake Onoke - south	Deepest	C	D	–	–	–	↑	↑	↑↑	░	░								

NOF Attribute state

A	B	C	D	E
For at least half the time, the estimated risk of Campylobacter infection is <1 in 1000 (0.1% risk). The predicted average risk is 1%	For at least half the time, the estimated risk of Campylobacter infection is <1 in 1000 (0.1% risk). The predicted average risk is 2%	For at least half the time, the estimated risk of Campylobacter infection is <1 in 1000 (0.1% risk). The predicted average risk is 3%	20-30% of the time, the estimated risk of Campylobacter infection is ≥50 in 1000 (>5% risk). The predicted average risk is >3%	For more than 30% of the time, the estimated risk of Campylobacter infection is ≥50 in 1000 (>5% risk). The predicted average risk is >7%

Likely change

>1 band worse	1 band worse	No change	1 band better	>1 band better
↓↓	↓	–	↑	↑↑