

Refresher - attributes, drivers, solutions

December 2017



E.coli

- Biggest nut to crack?
- 90% 'swimmable' by 2040
- Solving problem probably has multiple benefits

Ammonia toxicity

- Mostly ok
- Caused by effluent (human and animal)
- Probably easy to improve

Nitrate toxicity

- Mostly in 'A' band
- Check “improve to top of band”

Periphyton

- Temperature, light, nutrients
- BBN modelling suggests difficult to move even with good shifts in nutrients
- Checking this with other analysis
- Note Parkvale- monitoring 'B' at shaded site. Shows good shading result
- Several required shifts



MCI

- Really hard to move
- Big drivers suspended sediment and habitat loss/disturbance
- Very poor information on change required in contaminants to improve MCI
- Everywhere above “bottom line”

Sediment

- Still needs more work
- Clarity vs suspended sediment
- Large reductions in SSC are possible
- Stream bank vs hillslope (pole planting and retirement)