

- Pressure
 - Landuse, entrance change, water extraction, riparian clearing, water extraction, population density
- Stressors
 - Pollutant (including nutrient) loads and concentrations, tidal prism, river flow, altered trophic structure, turbidity, physical damage/disturbance, carbon flow, pH
- Outcomes
 - The reactions of ecological communities to stressors

ESSENTIAL TO UNDERSTAND CONCEPTUAL LINKS WHEN CHOOSING INDICATORS

NSW Estuary Program – 184 estuaries, about 12 catchments (plus 20 in Ecohealth)



Estuary: Chlorophyll, turbidity, seagrass depth

Fresh: Macroinvertebrates, macrolgae, DO (fish), chlorophyll

Stressors: nutrient conc and load, TSS, bank stability

Pressures: population density, landuse, entrance modification







- Clear conceptual understanding of links between stressors and condition
- Scientifically validated indicators
- DON'T mix stressors and condition in indices they tell you different things, at best autocorrelated, at worst contradictory
- Conceptual understanding allows management of pressures to reduce stressors and improve condition