

ChemPop Hypotheses to be tested

Freshwater macroinvertebrates	
Code	Description
H1.2a	Macroinvertebrate species richness and diversity did not decline due to wastewater exposure
H1.2b	Populations of key macroinvertebrates did not decline in abundance due to wastewater exposure
H1.2c	Macroinvertebrate species richness and diversity did not decline due to upstream arable land-use
H1.2d	Populations of key macroinvertebrates did not decline in abundance due to upstream arable land-use
H1.2e	Macroinvertebrate species richness and diversity did not decline due to exposure to a specific chemical reported on WIMS
Freshwater fish	
Code	Description
H1.3a	There is no detectable impact of wastewater exposure or upstream agricultural land-use on species- and cohort-specific fish abundances
H1.3b	There is no detectable impact of wastewater exposure or upstream agricultural land-use on species- and cohort-specific fish body length growth rates
H1.3c	There is no detectable impact of wastewater exposure or upstream agricultural land-use on species- and cohort-specific fish recruitment success
Terrestrial invertebrates	
Code	Description
H2.1a	Population persistence of species over time is not related to the total weight of insecticide active ingredient applied per unit area.
H2.1b	Population persistence of species over time is not related to the weight of insecticides of different modes of action applied per unit area.
H2.1c	Population persistence of species over time is not related to the relative toxicity of insecticides of different modes of action applied per unit area.
Terrestrial birds of prey	
Code	Description
H2.2a	Sparrowhawk regional populations were unaffected by rodenticide exposure (based on the levels of rodenticide found in the bodies of individuals in that region)
Marine cetaceans	
Code	Description
H3.1a	Levels of PCBs have not been rising in harbour porpoises
H3.1b	Levels of PCBs have not been rising in other near shore cetaceans, pinnipeds or large-bodied sharks
H3.1c	Levels of PBDEs or new type flame retardants have not been rising in harbour porpoises, other near shore cetaceans, pinnipeds or large-bodied sharks
H3.1d	Levels of PCBs, PBDEs or new type flame retardants were not related to the health status of harbour porpoises, other near shore cetaceans, pinnipeds or large-bodied sharks