

Experiments	Description
Base	Forced by the riverine inputs of monthly observed DO, nutrients and particulate organic carbon concentration from 2006 collected by the State Oceanic Administration.
DO simulations	
RivDO-50%	Same as Base simulation except the riverine DO inputs are decreased by 50 %.
RivDO+50%	Same as Base simulation except the riverine DO inputs are increased by 50 %.
Nutrients simulations	
RivNtr-50%	Same as Base simulation except the riverine nutrients inputs are decreased by 50 %.
RivNtr+50%	Same as Base simulation except the riverine nutrients inputs are increased by 50 %.
POC simulations	
RivPOC-50%	Same as Base simulation except the riverine inputs of particulate organic carbon are decreased by 50 %.
RivPOC+50%	Same as Base simulation except the riverine inputs of particulate organic carbon are increased by 50 %.