

















Exogenous Forcing	Parameter	Sensitivity	State variables affected					
Flood events	Total volume		Sill height Water volume Stratification state					
Waves	Wave height		Salt content Stratification state Sill height					
Base Flow	Average base flow		Salt content Stratification state					
Tidal influence	Diurnal tidal amplitude Spring neap amplitude		Salt content Stratification state					

Preliminary results: Influence of wave
event after a re-setting flood

Wave height (m)	Freshwater Flows (x 10 <sup>6</sup> pa)						
	34 (natural)	24	10	2	1		
3.82	open	open	open	open	open		
3.97	open	open	open	open	open		
4.00	self breaching	self breaching	open	closed	closed		
4.05	self breaching	self breaching	closed	closed	closed		
4.25	self breaching	self breaching	closed	closed	closed		
4.45	self breaching	closed	closed	closed	closed		
5.00	self breaching	closed	closed	closed	closed		
6.00	closed	closed	closed	closed	closed		

## Preliminary results: Influence of wave event without re-setting flood

Wave	Freshwater Flows (x 10 <sup>6</sup> pa)						
height (m)	34	24	10	2	1		
3.82	open	open	open	open	open		
3.97	open	open	closed	closed	closed		
4.00	self breaching	closed	closed	closed	closed		
4.05	self breaching	closed	closed	closed	closed		
4.25	self breaching	closed	closed	closed	closed		
4.45	self breaching	closed	closed	closed	closed		
5.00	closed	closed	closed	closed	closed		
6.00	closed	closed	closed	closed	closed		



