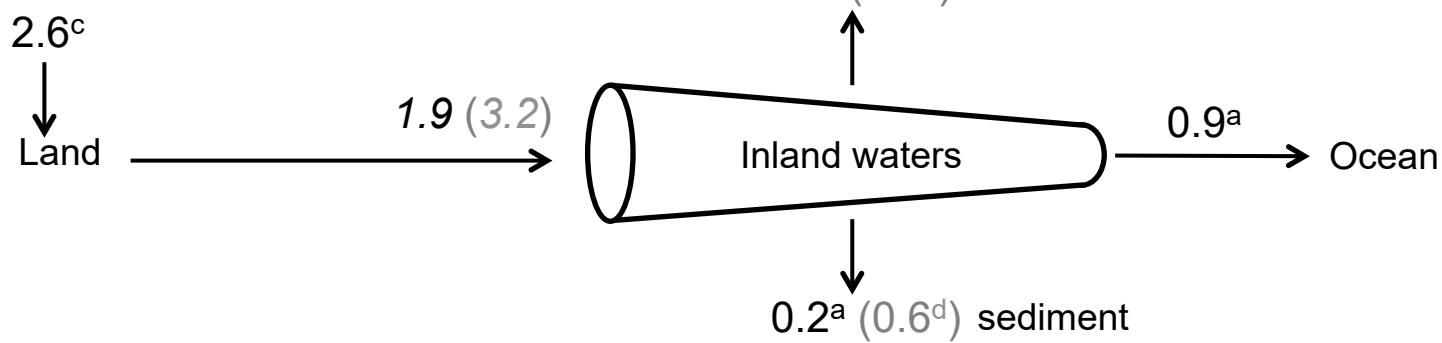


### (a) Passive pipe



### (b) Active pipe



### (c) Replumbed active pipe

