

































## Elizabeth River freshwater and estuarine water quality

Indicator and units	Freshwater		Estuarine	
	Water quality objective	Compliance	Water quality objective	Compliance
 <b>Electrical conductivity</b> ( $\mu\text{S}/\text{cm}$ )	<200	26 	NA	
 <b>Turbidity</b> (NTU)	<20	2.68 	NA	
 <b>pH</b>	6.0–7.5	6.5-6.7 	6–8.5	7.4-8.1 
 <b>Dissolved oxygen</b> (%)	50–100	87-94.6 	80–100	*
 <b>Total suspended solids</b> (mg/L)	<5	7 	<10	*
 <b>Chlorophyll a</b> ( $\mu\text{g}/\text{L}$ )	<2	2 	<4	1.42 
 <b>NOx</b> ( $\mu\text{g N}/\text{L}$ )	<8	13 	<20	4 
 <b>Ammonia</b> ( $\mu\text{g N}/\text{L}$ )	NA		<20	11 
 <b>Total nitrogen</b> ( $\mu\text{g N}/\text{L}$ )	<230	140 	<300	180 
 <b>Total phosphorus</b> ( $\mu\text{g P}/\text{L}$ )	<10	35 	<30	15 
 <b>Filterable reactive phosphorus</b> ( $\mu\text{g P}/\text{L}$ )	<5	0.5 	<10	0.25 
<b>Number of samples</b>		9		25
<b>2012 grade</b>				
<b>2011 grade</b>		B		A
<b>2010 grade</b>		A		A
<b>2009 grade</b>		A		C
Note: (NA). Not applicable, no WQO developed * WQO currently under revision.				