














**Rapid Creek catchment freshwater and estuarine water quality**

Indicator and units	Water quality objective freshwater	Compliance freshwater	Water quality objective estuarine	Compliance estuarine
 <b>Electrical conductivity</b> (µS/cm)	<200	45.5 ✓	NA	
 <b>Turbidity</b> (NTU)	<20	0.9 ✓	NA	
 <b>pH</b>	6.0–7.5	6.0-6.2 ✓	6–8.5	7.7-8.3 ✓
 <b>Dissolved oxygen</b> (%)	50–100	77-89 ✓	80–100	*
 <b>Total suspended solids</b> (mg/L)	<5	2.5 ✓	<10	*
 <b>Chlorophyll a</b> (µg/L)	<2	0.5 ✓	<4	0.5 ✓
 <b>NOx</b> (µg N/L)	<8	19.5 ✗	<20	3.5 ✓
 <b>Ammonia</b> (µg N/L)	NA		<20	15 ✓
 <b>Total nitrogen</b> (µg N/L)	<230	90 ✓	<300	135 ✓
 <b>Total phosphorus</b> (µg P/L)	<10	5 ✓	<30	2.6 ✓
 <b>Filterable reactive phosphorus</b> (µg P/L)	<5	5 ✓	<10	1.25 ✓
<b>Number of samples</b>		12		4
<b>2012 grade</b>		<b>B</b>		<b>A</b>
<b>2011 grade</b>		A		A
<b>2009 grade</b>		B		**
<p>Note: Four sites included the data from sites at Kimmorley Bridge, Yankee Pools, Henry Wrigley Bridge and DW21. Data for Kimmorley Bridge, Yankee Pools, Henry Wrigley Bridge and Mitigation Weir were supplied by Darwin International Airport.                      Note: (NA). Not applicable, no WQO developed                      * WQO currently under revision.                      **No grades for 2010, no estuarine grades for 2009 (Limited data)</p>				

**Biological health using the AUSRIVAS score**

Site	2010	2012	Change
Upstream of weir	C	C	No Change