

## Preliminary Thinking on Impacts, Principles, and Criteria for Water Stewardship

Impact: Impaired water flow regime		
<b>Principle 1: Restore and maintain water flow regime</b>		
<b>Criteria 1.1:</b> User flow volume	<b>Indicator 1.1.1:</b> Intake volume at user site  <b>Indicator 1.1.2:</b> Discharge volume at user site	<b>Target:</b> No user in a catchment can affect monthly flow conditions by X %
<b>Criteria 1.2:</b> Catchment flow volume	<b>Indicator 1.2.1:</b> Monthly flow volume measure at targeted catchment points	<b>Target:</b> Cumulative flow monthly changes in a catchment cannot be greater than by Y %
Impact: Impaired water quality		
<b>Principle 2: Restore and maintain water quality</b>		
<b>Criteria 2.1:</b> Nutrients in effluents	<b>Indicator 2.1.1:</b> Nitrogen concentration Or <b>Indicator 2.1.1:</b> Chlorine concentration  <b>Note:</b> Indicator will vary by sector	<b>Target:</b> 4 mg/L total nitrogen in effluent  <b>Note:</b> Target in standard could vary by sector and/or catchment
<b>Criteria 2.2:</b> Sediments in effluents	<b>Indicator 2.2.1:</b> Sediment concentration	<b>Target:</b>
<b>Criteria 2.3:</b> Temperature of effluents	<b>Indicator 2.3.1: Discharge temperature at user site</b>  <b>Note:</b> Indicator will vary by catchment	<b>Target:</b> Discharge should not be X% greater than receiving body average temperature
Impact: Lack of water governance		
<b>Principle 3: Improve water governance</b>		
<b>Criteria 3.1:</b> Local water use regulations	<b>Indicator 3.1.1:</b> Are there local regulations that govern water use and quality?	<b>Target:</b>
<b>Criteria 3.2:</b> Voluntary systems for water management	<b>Indicator 3.2.1:</b> Are there voluntary systems to manage water use and quality?	<b>Target:</b>
<b>Criteria 3.3:</b> Water Pricing	<b>Indicator 3.3.1:</b> is water priced in the catchment?	<b>Target:</b>
Impact: Impaired ecosystems and habitat (TBD)		
<b>Principle 4: High Value Wetlands Maintained (TBD)</b>		